I. W. INDUSTRIES, INC. SITE

35 MELVILLE PARK ROAD
MELVILLE, NEW YORK

PERIODIC REVIEW REPORT

JUNE 10, 2011 THROUGH JANUARY 31, 2013

NYSDEC Site No: 152102

Prepared for:

KAILYN REALTY I, LLC

For Submittal to:

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Prepared by:

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APRIL 2013

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LIST OF ACRONYMS

Acronym	Definition
ASP	Analytical Services Protocol
DUSR	Data Usability Summary Report
ECs	Engineering Controls
EDDs	Electronic Data Deliverables
FPM	FPM Group, Ltd.
Fbg	feet below grade
ICs	Institutional Controls
IRM	Interim Remedial Measure
MS/MSD	Matrix spike/matrix spike duplicate
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
O&M	Operation and Maintenance
OU	Operable Unit
PID	Photoionization Detector
PPM	Parts per million
PRR	Period Review Report
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
SCO	NYSDEC Part 375 Soil Cleanup Objectives
Site	I. W. Industries, Inc. Site #152102
SMP	Site Management Plan
Standards	NYSDEC Class GA Ambient Water Quality Standards
ug/l	micrograms per liter
VOC	Volatile Organic Compound

EXECUTIVE SUMMARY

The findings in this Periodic Review Report (PRR) for the I.W. Industries Site (No. 152102), located at 35 Melville Park Road, Melville, New York, are summarized as follows:

- The Site was investigated and remediated by I. W. Industries, Inc. in accordance with a Record of Decision issued by the New York State Department of Environmental Conservation (NYSDEC). Metro Assets III, LLC (Metro) subsequently purchased the Site under a U.S. Bankruptcy Court Order and had continuing obligations with respect to the remedial program for the Site, including completion of the remedial program and implementation of any required institutional and engineering controls. Kailyn Realty I, LLC (Kailyn) subsequently purchased the Site from Metro and presently operates offices and warehousing in the onsite building and leases portions of the building for similar office/warehouse operations. Due to contractual issues, in mid-2012 FPM Group (FPM) ceased performing work at the Site on behalf of Metro. Although Kailyn is not responsible for any of Metro's obligations or for any of the requirements in the Site Management Plan (SMP) except as specifically noted in the SMP, Kailyn recently retained FPM to conduct site management activities and prepare this PRR;

- The engineering controls (ECs) for the Site presently include a cover system over former leaching pools LP-1 through LP-3, and free-phase product monitoring and removal at wells MW-1 through MW-3. Routine Site-Wide inspections (including the cover system) and product monitoring visits were performed during this reporting period and documented that the ECs remained in place and effective. No changes to the cover system were noted and no floating product was detected at the Site during this reporting period;

- The institutional controls (ICs) for the Site include several site use restrictions. All Site use restrictions remained in place and were observed during this reporting period. The SMP also functions as an institutional control (IC) as it contains provisions for operating, monitoring and maintaining the ECs. The provisions of the SMP were implemented throughout the reporting period. All aspects of the Site are in compliance with the applicable elements of the SMP;

- Product monitoring was not conducted between August and November 2012 due to contractual issues between FPM and the former Site owner, Metro. Based on the absence of product not only within this reporting period but also dating back seven years to 2005, this gap in product monitoring is not a significant deficiency;

- With the exception of low concentrations of one volatile organic compound (VOC) originating from an off-Site source, no VOCs were detected at the Site during this reporting period in excess of the NYSDEC's Class GA Ambient Water Quality Standards (Standards). VOCs do not present a significant concern at this Site. Semivolatile organic compound (SVOC) concentrations are currently very low and remained relatively unchanged when compared to previous sampling events. Several SVOCs were detected in two wells at very low concentrations exceeding the NYSDEC Standards during the most recent monitoring events. SVOCs do not present a significant concern in Site

groundwater. Metals concentrations have declined in the majority of the Site wells. The remaining Site-related metals of concern for which exceedances of NYSDEC Standards continue to be observed include only iron and manganese in several wells, and a very low concentration of lead in one well. Groundwater metals concentrations from the wells closest to the remediated leaching pools have decreased for those analytes associated with the leaching pools, and are no longer changing significantly;

- No groundwater monitoring deficiencies were noted during the reporting period with the exceptions of not being able to sample at well MW-5 due to the absence of water in the well, and not being able to sample well MW-8, which was appears to have been inadvertently destroyed. The most recent sample results for well MW-5 (2010) indicated that no exceedances of the NYSDEC Standards were noted for any targeted compounds. Well MW-8 is an upgradient well; the only historical exceedances of the Standards at this well include low concentrations of iron and manganese. These deficiencies are not significant.

- The Site has an Environmental Easement in place that dictates that the property must remain in compliance with all ICs. The Site has remained in compliance with the ICs throughout the reporting period.

➢ **Effectiveness of Remedial Program**

- The remedial program for the Site has been effective at reducing groundwater contamination at the Site and eliminating exposure to residual Site materials. No free-phase product has been noted at the Site since 2005. Site-related groundwater constituent concentrations have declined from historic levels and are now either below the NYSDEC Standards or low and asymptotic. Residual materials at the former LP-1 through LP-3 leaching pools remain effectively isolated by capping.

➢ **Recommendations**

- The historical and recent groundwater monitoring results demonstrate the effectiveness of the remedy; no significant changes in groundwater conditions are anticipated in the future. We recommend that groundwater monitoring for the Site be terminated.

- Based on the absence of floating product since 2005, a time-frame that included both high and average water level conditions, free-phase product is no longer present at the Site. Therefore, free-phase product monitoring should be terminated.

- The groundwater monitoring wells should be abandoned in accordance with the SMP and NYSDEC requirements.

SECTION 1.0
INTRODUCTION AND SITE OVERVIEW

1.1 Introduction

This Periodic Review Report (PRR) was prepared to document site management activities at the I. W. Industries, Inc. Site (Site) #152102 conducted between June 10, 2011 and January 31, 2013 under the New York State (NYS) Inactive Hazardous Waste Disposal Site Program administered by New York State Department of Environmental Conservation (NYSDEC). The Site is located at 35 Melville Park Road, Melville, Town of Huntington, Suffolk County, New York. This PRR includes activities completed during the reporting period.

Site management activities were conducted by FPM Group, Ltd. (FPM) in accordance with the NYSDEC-approved Site Management Plan (SMP). The resumes of the FPM environmental professionals implementing the SMP are included in Appendix B. This PRR was prepared in accordance with guidelines provided by the NYSDEC in December 17, 2012 correspondence (45-day reminder notice) as well as additional follow-up correspondence with the NYSDEC, copies of which are included in Appendix A.

1.2 Site Overview

Detailed Site background information was provided in the SMP; summary background information is provided below. Detailed information pertinent to implementation of the SMP during the reporting period is summarized herein. A plan showing the Site is presented in Figure 1.2.1 for reference.

1.2.1 Background Information

The Site was investigated and remediated by I. W. Industries, Inc. in accordance with a Record of Decision (ROD) issued by the NYSDEC on March 30, 2000. The selected remedy was implemented under a NYSDEC-approved Remedial Action Work Plan (June 2000). The remedial activities were completed in 2000 and documented in a Remedial Action Report (November 2000), which was approved by the NYSDEC on January 4, 2002. Annual monitoring of groundwater and free-phase product has been ongoing since 2000. Additional remedial work was conducted in 2006 during facility closure prior to Kailyn's occupancy.

Metro Assets III, LLC (Metro) subsequently purchased the Site under a U.S. Bankruptcy Court Order. Under this Court Order, Metro had continuing obligations with respect to the remedial program for the Site. These obligations included completion of the remedial program and implementation of any required institutional and engineering controls. Metro entered into an Order on Consent (Index #W1-0725-04-09) with the NYSDEC to complete the implementation of the remedial program for the Site; this Order required Metro to complete the operation, maintenance and monitoring of the selected remedial alternative and implementation of institutional and/or engineering controls.

316 SOUTH SERVICE ROAD
KONG USA INC.

320 SOUTH SERVICE ROAD
KATHERINE GIBBS SCHOOL

25 MELVILLE PARK ROAD
OFFICE BUILDING

70 MELVILLE PARK RD.
LONG ISLAND CENTER AND MAXEDD

MW-8(DESTROYED)
MW-6
LP-17
HYD
LP-18
MH
MH
LP-15
MH
MH
LP-31
LP-20
LP-21
LP-22
MH
LP-14
MH
TRANSFORMER
HYD
MW-5
LP-12
LP-13
LP-11
LP-23
BUILDING
LP-24
LP-8
LP-25
LP-9
LP-5
LP-4
LP-3
GAS-FIRED
FURNACE
MH
UG GAS SERVICE
LP-10
LP-6
LP-3R
LP-2R
MW-7
LP-7
LP-2
LP-1
LP-1R
HYD
UG GAS SERVICE
LP-30
MW-1
SIDEWALK
SEPTIC TANK
LP-27
LP-28
(SEPTIC TANK)
MW-2
LP-29
LP-26
MW-10
FD-SIAMESE
MW-9
MW-4
T-BOX
UG FIBER OPTIC
MW-11
CB
MW-3
PROPERTY LINE
(APPROXIMATE)

MELVILLE PARK ROAD

10 MELVILLE PARK ROAD
MARCUM KILEGMAN, LLP

20 MELVILLKE PARK RD SPRING

30 0 30 60 90
GRAPHIC SCALE - FEET

LEGEND:

MW-1 MONITORING WELL LOCATION

LP-1R / DR / LP-27 LEACHING POOL LOCATION WITH MANHOLE

( ) LEACHING POOL LOCATION WITH SUBGRADE ACCESS

FORMER LEACHING POOL

FPM GROUP

FIGURE 1.2.1
SITE PLAN
35 MELVILLE PARK ROAD
MELVILLE, NEW YORK

Drawn By:H.C. | Checked By:J.B. | Date: 3/12/13

H:\Kailyn Realty\MELVILLE PARK RD\A.dwg, 4/2/2013 9:43:14 AM, 11x17

Kailyn Realty I, LLC (Kailyn) subsequently purchased the Site from Metro and presently operates offices and warehousing in the onsite building and leases portions of the building for similar office/warehouse operations. Although Kailyn and its successors and assigns and Kailyn's tenants are not responsible for any of Metro's obligations under the Order on Consent or for any of the requirements in the SMP except as specifically noted in the SMP, Kailyn recently retained FPM to conduct site management activities and prepare this PRR.

After completion of the remedial work described in the Remedial Action Report, some contamination was left in the subsurface at this Site, which is hereafter referred to as 'residual contamination.' The residual contamination consists of soil at the bottom of former leaching pools LP-1, LP-2, and LP-3 (now abandoned); free-phase product on the groundwater at select Site wells (MW-1, MW-2 and MW-7) and within the soil matrix beneath former leaching pools LP-1, LP-2 and LP-3; and iron and/or manganese in groundwater in select Site wells. The SMP was prepared to identify and implement the institutional and/or engineering controls required for the Site and to provide for the necessary monitoring and/or operation and maintenance of the remedy.

An Institutional Control (IC) has been incorporated into the Site remedy to provide proper management of residual contamination in the future to ensure protection of public health and the environment. This IC is a Site-specific Environmental Easement recorded with the Suffolk County Clerk that provides an enforceable means to ensure the continued and proper management of residual contamination and protection of public health and the environment. It requires strict adherence to all Engineering Controls (ECs) and ICs placed on this Site by the NYSDEC, the grantor of the Environmental Easement, and any and all successors and assigns of the grantor. The ICs provide restrictions on Site usage and mandate operation, maintenance, monitoring and reporting measures for all ECs and ICs.

1.2.2 General Site Conditions

The Site is located in the Town of Huntington, Suffolk County, New York. The Site is an approximately six-acre lot and is bounded by Melville Park Road and commercial/industrial buildings to the west, north, and east. The property immediately to the west is also an Inactive Hazardous Waste Disposal Site, the New York Twist Drill Site (Site No. 1-52-169). This adjoining site is impacted with chlorinated solvents.

The Site includes an approximately 97,000-square-foot masonry building, associated paved parking areas, and landscaped vegetation and was formerly used for manufacture of threaded metal parts. The Site was redeveloped starting in 2006 and is presently owned by Kailyn, which operates offices and warehousing in the Site building and leases portions of the building to others for similar office and warehouse uses. No manufacturing or industrial uses currently occur onsite. The current operations by Kailyn and its tenants are not related to the historic residual contamination present onsite, although Kailyn continues to utilize onsite leaching systems to manage and dispose stormwater runoff and sanitary waste.

IWI occupied the Site since it was developed in approximately 1966 and manufactured threaded metal parts onsite until approximately 2005. The manufacturing process produced scrap brass with associated lubrication and cutting oils. Washing of the finished parts produced wastewater,

which was discharged to two leaching pools (LP-1 and LP-2) under a State Pollutant Discharge Elimination System (SDPES) permit prior to 1984. Onsite management of scrap also resulted in some inadvertent discharges of scrap brass and oils to other onsite leaching pools.

In 1982 oil and/or oil emulsion were noted to be present in several leaching pools and IWI entered into an Order on Consent with the Suffolk County Department of Health Services (SCDHS) for the elimination of wastewater discharges and cleanout of the leaching pools. Oil was removed from the leaching pools in 1982 and 1984. Groundwater monitoring wells were installed in 1983 and 1985. By October 28, 1986 IWI had switched to a hold and haul operation and was no longer discharging to onsite leaching pools. However, in 1989 and 1990 oil was noted in several storm drains in loading bays.

Additional soil and groundwater investigations were conducted in 1993 and 1994 and the property was listed as a NYSDEC Inactive Hazardous Waste Disposal site in 1997 due to the leaching pool discharges and detected groundwater impacts. A Remedial Investigation (RI) was performed in 1997; the findings are summarized as follows:

- Several leaching pools were identified with sediments requiring remediation;
- No soil requiring remediation was identified;
- VOCs and metals were present in onsite groundwater and groundwater monitoring was required; and
- Free-phase product that appeared to have originated as lubrication and/or cutting oil found at wells downgradient of leaching pools LP-1 and LP-2.

Remediation activities were conducted in 2000 following the issuance of the ROD and were documented in a Remedial Action Report (November 2000). Remediation included removal of impacted sediments from leaching pools LP-3 through LP-15, LP-18, LP-22 through LP-24, LP-28, LP-29, and LP- 31. Verification samples documented that the VOCs formerly present in the leaching pools were successfully remediated and concentrations of semivolatile organic compounds (SVOCs) and metals were also significantly reduced, although residual contamination remained present in some leaching pools. No further remediation of the leaching pools was required at that time by the NYSDEC.

Removal of free-phase product from the top of the water table was implemented in 2000 and continued through 2005. Minor amounts of free-phase petroleum or visible sheen were noted at wells MW-1, MW-2, and/or MW-7 periodically during this time and were treated as necessary. No measurable accumulations (>0.01 foot) have been noted since 2005; product monitoring is ongoing as an EC at the Site. Documentation of the inspection and maintenance of this EC is provided in Section 3.2 of this PRR.

IWI ceased operations and vacated the Site in early 2006. Resource Conservation and Recovery Act (RCRA) closure activities were subsequently conducted under a RCRA Closure Plan approved by the NYSDEC and were overseen by NYSDEC representatives. Additional facility closure activities were conducted under the oversight of the SCDHS. During RCRA closure

activities, the remaining stored wastes at the Site were characterized, removed and properly disposed, all contaminated equipment and structures were decontaminated and/or properly disposed, and all wastes generated during the closure process were disposed in accordance with applicable State and Federal regulations. Sampling and analyses performed in accordance with the Quality Assurance Project Plan (QAPP) demonstrated that the closure was complete; the completed work was approved by the NYSDEC on September 5, 2007.

Additional non-RCRA facility closure activities were conducted in 2007 under SCDHS oversight. These activities included additional decontamination of the facility interior; sampling and remediation of select leaching pools; and removal of non-RCRA storage tanks. Under the RCRA and non-RCRA closure activities all of the onsite storage tanks, including underground and aboveground storage tanks (USTs and ASTs) were properly removed from the Site under NYSDEC and/or SCDHS oversight. Documentation of the closure of the RCRA tanks was submitted to the NYSDEC in the RCRA Closure Report and documentation of the closure of the non-RCRA tanks was submitted to the SCDHS (November 13, 2007 correspondence). No further work has been required in any of the former tank areas and no tanks remain present at the Site.

After completion of the remedial work, it was determined that leaching pools LP-1, LP-2, and LP-3 required abandonment as a permanent EC to further reduce the potential for human contact and/or groundwater contamination; this EC was implemented in August 2009. This EC included disconnecting the leaching pools from their piping systems, backfilling the pools with clean soil, and sealing the top of each pool with a 12-inch-thick reinforced cover set between four and five feet below grade. The area above each abandoned leaching pool was capped by backfilling with approved materials and repaving. New leaching pools were also installed outside of the area of residual contamination to manage stormwater runoff previously directed to LP-1 through LP-3. A Soil Management Plan is included in the SMP and outlines the procedures required in the event that residual contamination at the former locations of LP-1 through LP-3 is disturbed in the future. Documentation of the inspection and maintenance of this EC is provided in Section 3.1 of this PRR.

The Site also has a series of ICs in the form of Site restrictions as required by the Environmental Easement. The ICs for the Site are discussed in detail below.

1.3 Evaluation of Remedy Performance, Effectiveness and Protectiveness

The remedy has been implemented in compliance with NYSDEC requirements and was managed in compliance with the SMP during the reporting period. The EC portion of the remedy (capping above residual soil) was effective at preventing human contact with residual materials and in reducing groundwater contamination, as evidenced by groundwater monitoring data summarized in Section 3.3 of this PRR.

Product monitoring and removal have been protective of public health and the environment as these activities have apparently eliminated the presence of free-phase product at the Site.

The IC portion of the remedy (restrictions on Site use) is also protective of human health and the environment as inappropriate uses that might result in human contact with residual materials are prevented.

SECTION 2.0
ENGINEERING AND INSTITUTIONAL CONTROLS COMPLIANCE

Contamination identified at the Site includes residual contamination in the form of residual free-phase petroleum in limited areas of the Site at the water table (approximately 50 feet below grade), iron and/or manganese in groundwater in select Site wells, and soil beneath former leaching pools LP-1 through LP-3 (at least 18.5 feet below grade). These areas of residual contamination are addressed by ECs and ICs.

As an EC, LP-1 through LP-3 were abandoned by backfilling and sealing them at a depth of four to five feet below grade; the areas above the abandoned leaching pools are capped by pavement. The abandonment of LP-1 through LP-3 is a permanent EC and the integrity of the completed abandonment is inspected at defined, regular intervals as required in the SMP.

Free-phase product removal and offsite disposal are conducted as an EC. Product removal materials are installed as necessary in affected wells (MW-1, MW-2, and/or MW-7) and are serviced in accordance with established operating and monitoring procedures.

Both of the ECs are monitored in accordance with the NYSDEC-approved SMP, as described in detail below.

The Site has ICs in the form of Site restrictions. Adherence to these ICs is required under the Environmental Easement. Site restrictions that apply to the Site are:

- Vegetable gardens and farming on the Site are prohibited;
- Use of groundwater underlying the Site is prohibited without treatment rendering it safe for the intended use;
- All future activities on the Site that will disturb the ECs are prohibited unless conducted in a manner approved by the NYSDEC; and
- The Site may be used for commercial or industrial use only, unless other usage is approved by the NYSDEC.

The Environmental Easement also requires compliance with ICs associated with site management. These ICs consist of the following:

- The ECs must be implemented as specified in the SMP;
- The ECs must be inspected and certified at a frequency and in a manner defined in the SMP;
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

- Data and information pertinent to Site Management for the Site must be reported at the frequency and in a manner defined in the SMP;

- Onsite environmental monitoring devices, including but not limited to, groundwater monitor wells, must be protected and replaced as necessary to ensure continued functioning in the manner specified in the SMP.

The ECs and ICs for the Site should:

- Prevent contact with residual soils;

- Prevent exposure to groundwater with contamination levels that exceed drinking water standards;

- Allow groundwater to be restored to pre-disposal/pre-release conditions, to the extent practicable;

- Isolate potential sources of groundwater contamination; and

- Prevent migration of contaminants that would result in offsite groundwater contamination.

2.1 Engineering Control Components

The ECs for this Site include abandonment and capping of the former LP-1, LP-2 and LP-3 leaching pools, and free-phase product removal and disposal.

2.1.1 Abandoned Leaching Pools LP-1 through LP-3

Abandonment and capping of leaching pools LP-1 through LP-3 was implemented as an EC to further reduce the potential for human contact and/or groundwater contamination as described in Section 1.2. The area above each abandoned leaching pool was repaved. Figure 1.2.1 shows the former locations of LP-1 through LP-3 and a reduced copy of the Site survey showing the areas subject to this EC is shown in Appendix C.

The abandonment of leaching pools LP-1 through LP-3 is a permanent EC and the integrity of the completed abandonment is inspected in accordance with the Monitoring Plan included in the SMP. Inspection of this EC was conducted during the reporting period, as discussed in Section 3.1.2 herein.

A Soil Management Plan is included in Attachment 1 to the SMP and outlines the procedures required in the event that residual contamination at the former locations of LP-1 through LP-3 is disturbed in the future. Soil management was not required during the reporting period as no activities resulting in disturbance of residual soil occurred.

2.1.2 Free-Phase Product Removal

Free-phase product removal and offsite disposal has been implemented at the Site as an EC. Product removal materials are installed as necessary in affected wells (MW-1, MW-2, and/or MW-7) and are serviced in accordance with established operating and monitoring procedures. Monitoring of the affected wells was conducted during the reporting period, as discussed in detail in Section 3.2 herein. Free-phase product removal was not required during the reporting period as no free-phase product was observed.

2.2 Institutional Control Component

ICs are required to: (1) implement, maintain, and monitor ECs; (2) prevent future exposure to residual contamination by controlling disturbances of the ECs; and, (3) restrict the use of the Site to commercial and industrial uses only unless other uses are approved by the NYSDEC. Adherence to these ICs on the Site is required under the Environmental Easement and is implemented under the SMP. The Site has ICs in the form of Site restrictions. Restrictions that apply to the Site are:

- Vegetable gardens and farming on the Site are prohibited;
- Use of groundwater underlying the Site is prohibited without treatment rendering it safe for the intended use;
- All future activities on the Site that will disturb the ECs are prohibited unless conducted in a manner approved by the NYSDEC; and
- The Site may be used for commercial or industrial use only, unless other usage is approved by the NYSDEC.

The Environmental Easement also requires compliance with ICs associated with site management. These ICs consist of the following:

- The ECs must be implemented as specified in the SMP;
- The ECs must be inspected and certified at a frequency and in a manner defined in the SMP;
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to Site Management for the Site must be reported at the frequency and in a manner defined in the SMP;
- Onsite environmental monitoring devices, including but not limited to, groundwater monitor wells, must be protected and replaced as necessary to ensure continued functioning in the manner specified in the SMP.

The site restrictions were in place and no contraventions occurred during the reporting period. The monitoring procedures and requirements in the SMP were conducted during the reporting period, as discussed in Section 3.0 below.

The Site use is commercial, which is consistent with the uses listed on the EC/IC Certification.

2.3 EC/IC Certification

The EC/IC Certification Form provided by the NYSDEC has been completed in accordance with the associated general certification instructions. The completed certification form is included in Appendix D.

SECTION 3.0
MONITORING PLAN COMPLIANCE

The Monitoring Plan for the Site includes measures for evaluating the performance and effectiveness of the ECs. Monitoring of the leaching pool abandonment EC is performed by inspection and by evaluating groundwater monitoring data. Monitoring of the free-phase product removal EC is performed by evaluating product measurements and groundwater monitoring data.

3.1 Compliance Inspections of Abandoned Leaching Pools LP-1 though LP-3

Abandoned leaching pools LP-1 through LP-3 are monitored by visual inspection to confirm that the surface seals remain undisturbed. The required inspection frequency is once every five quarters. In the event that a severe condition occurs, such as a flooding event that may affect the seals above LP-1 through LP-3 occurs at the Site, or if it is suspected that some condition has occurred that may affect the LP-1 through LP-3 seals, then an inspection will be performed promptly following this event/condition. Any indicated corrective measures will be promptly undertaken.

3.1.1 Summary of Compliance Inspection Monitoring Program

Compliance inspection procedures for abandoned leaching pools LP-1 through LP-3 are included on the Site-wide Inspection Forms for this Site. The former locations of LP-1 through LP-3 are visually inspected by a qualified environmental professional to confirm that the pavement above the seals (seals are at four to five feet below grade) remains intact and undisturbed and that there is no visual or other evidence of potential discharges to the abandoned structures.

If large holes or other significant damage occurs to the pavement above the leaching pool seals, then these damaged areas will be promptly repaired in kind and documented in the PRR. If more significant damage or failures are noted or if the potential for discharges to these abandoned structures are noted, then the NYSDEC will be promptly notified and appropriate corrective measures will be implemented commensurate with the nature of the damage or failure.

All compliance inspection monitoring activities were in general accordance with the SMP and were recorded on Site-wide Inspection Forms. The completed forms are included in Appendix F.

3.1.2 Compliance Inspection Monitoring Results

The pavement above the LP-1 through LP-3 seals remained intact and undisturbed between June 10, 2011 and January 31, 2013 and there is no visual or other evidence of potential discharges to the abandoned structures. The pavement above the former locations of LP-1 through LP-3 was inspected on August 22, September 7, October 5, and December 13 in 2011; January 24, February 16, March 9, May 18, June 6, July 20, November 12, and December 26 in 2012, and January 31, 2013. The November 2012 inspection was performed shortly after Superstorm Sandy (a severe condition) to confirm that the EC remained in place and undisturbed. The pavement above LP-1 through LP-3 was noted to be in good condition and undisturbed during each inspection event.

3.1.3 Compliance Inspection Monitoring Deficiencies

No compliance inspection monitoring deficiencies were noted during this reporting period.

3.1.4 Compliance Inspection Monitoring Conclusions and Recommendations

The compliance inspection monitoring results for the reporting period indicate that the seals above the former LP-1 through LP-3 locations remained intact and undisturbed during the reporting period and there was no visual or other evidence of potential discharges to the abandoned structures. This EC remains intact and effective. There are no recommendations for any changes to the compliance monitoring inspection for this EC.

3.2 Monitoring/Removal of Free-Phase Product

Free-phase product monitoring and removal are conducted as an EC at the Site. This EC may be discontinued upon approval by the NYSDEC. Product removal materials are installed in affected wells (MW-1, MW-2, and/or MW-7) if necessary and are serviced in accordance with operating and monitoring procedures established in the SMP.

3.2.1 Summary of Free-phase Product Monitoring/Removal Program

The product removal method is based on the apparent thickness of product in each affected well. The affected wells are monitored on a periodic basis, including measuring the depth to groundwater and depth to any free-phase product that may be present with an interface probe. If free-phase product is noted, its apparent thickness is calculated. When free-phase product is noted, removal is conducted in accordance with the SMP.

No measurable free-phase product has been noted in these wells since 2005. In the event that free-phase product returns and is removed, it will be contained as described in the SMP and disposed offsite in accordance with applicable regulations.

Water table relative elevations for Site wells MW-1, MW-2, and MW-7 are derived from each month's monitoring measurements and are used to evaluate whether groundwater levels have lowered sufficiently to ascertain whether any product remains trapped below the water table surface. To confirm that residual free-phase product is no longer present at the Site, product monitoring is scheduled to continue at the Site until groundwater relative elevations decline to at least average levels and free-phase product remains absent. Product monitoring and removal may be discontinued when the criteria for completion are met, as described in the SMP, and after approval by the NYSDEC.

A complete list of components to be checked during each monitoring event is provided in the Site-Wide Inspection Checklist. If any readings are not within their typical range, any equipment is observed to be malfunctioning, or the product removal equipment is not performing within specifications, then prompt maintenance and repair of the affected wells and/or equipment, as per the Operation and Maintenance Plan is required to restore the product removal measures. Operational problems will be noted in the PRR.

3.2.2 Product Monitoring Results

Free-phase product monitoring activities during the reporting period were in general accordance with the monitoring procedures included in the NYSDEC-approved SMP and were recorded on the product monitoring log. A copy of the monitoring log for the reporting period is included in Appendix E.

Monitoring was generally performed on a monthly basis during the reporting period with the exception of the time between August and November 2012. No free-phase product was noted during the reporting period.

Representative water level measurements for the monitoring period are depicted on Figure 3.2.2.1 and indicate that the historic low groundwater relative elevation for the site of approximately 47 feet was recorded in March 2002 following a significant drought period. The historic high groundwater relative elevation of approximately 57 feet was recorded in April 2010. The average groundwater relative elevation for the Site since monitoring was first performed in 1997 is approximately 52 feet. Following the historic high elevation recorded in April 2010, the elevation of groundwater at the Site has steadily declined and is now approximately 51.5 feet, which is just under the historic average.

3.2.3 Product Monitoring Deficiencies

Product monitoring was not conducted between August and November 2012 due to contractual issues between FPM and the former Site owner, Metro. This condition was resolved in December 2012 when the current Site owner, Kailyn, contracted with FPM to continue the product monitoring activities. Based on the apparent consistency of water level data before and after this interval and the absence of product throughout the monitoring period, this data gap does not appear to be significant.

3.2.4 Product Monitoring Conclusions and Recommendations

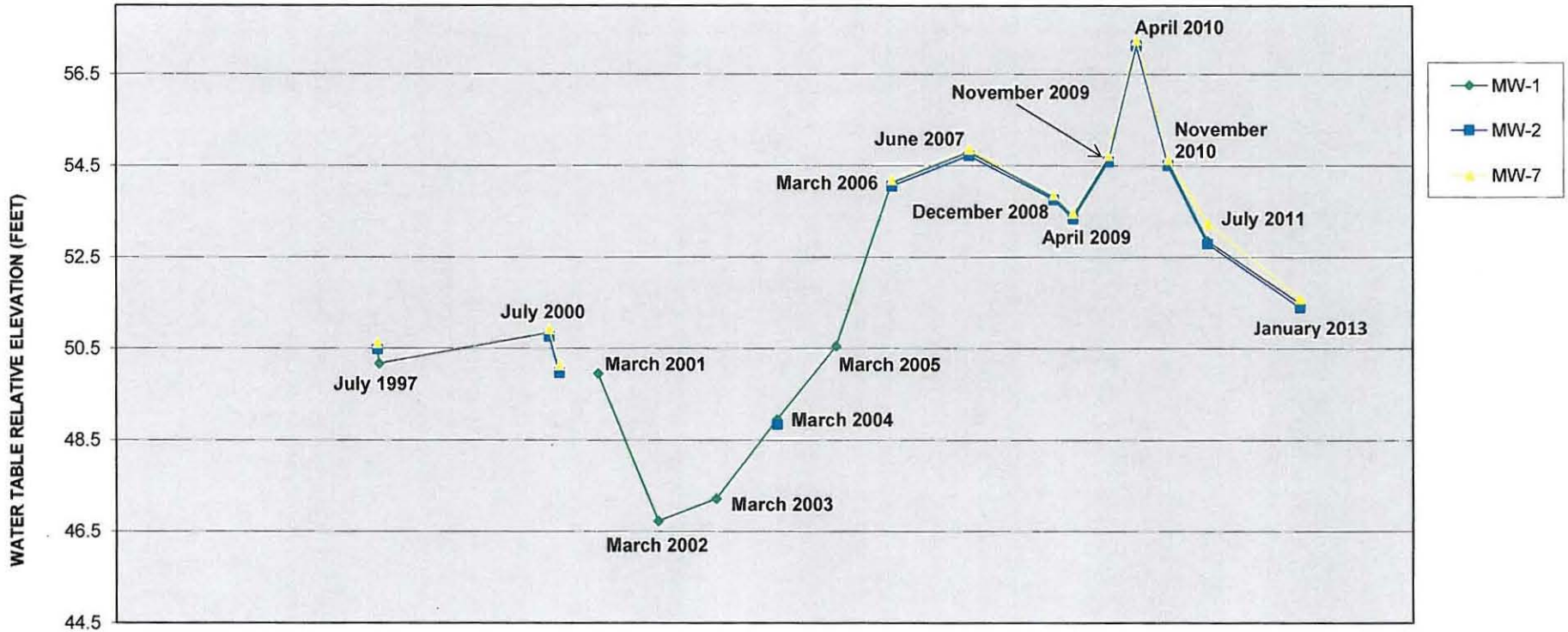
The product monitoring results have shown no free-phase product in any of the formerly-affected wells since 2005 (approximately eight years). The water level measurements document that water levels at the Site have declined approximately five feet between April 2010 and January 2013 and have returned to at or below the average level based on the historic data. No free-phase product was noted despite this drop in water level.

Based on these results, it appears that free-phase product is no longer present. It is recommended that free-phase product monitoring be discontinued.

3.3 Groundwater Monitoring System Components

Groundwater monitoring has been performed on a regular basis to assess the performance of the remedy. Groundwater monitoring activities are outlined in the Monitoring Plan of the SMP and will continue, as determined by the NYSDEC, until groundwater concentrations are found to be below the NYSDEC Standards or have become asymptotic over an extended period and permission to discontinue is granted in writing by the NYSDEC.

FIGURE 3.2.2.1
HISTORIC WATER TABLE RELATIVE ELEVATIONS
I.W. INDUSTRIES, INC. SITE
35 MELVILLE PARK ROAD, MELVILLE, NEW YORK



The network of monitoring wells is designed to monitor both upgradient and downgradient groundwater conditions at the Site. The full network of Site wells is shown on Figure 1.2.1 and has been located based on the following criteria:

- Location relative to upgradient (northerly) and crossgradient (westerly and easterly) properties and potential offsite contaminant sources;
- Location downgradient (south) of former onsite sources (leaching pool systems); and
- Ability to monitor appropriate aquifer (water table Upper Glacial Aquifer).

Monitoring of this network since 2000 provided sufficient data to evaluate impacts to onsite groundwater quality from offsite sources and to evaluate improvements in onsite groundwater quality following the remedial activities conducted in 2000. Accordingly, the scope of the monitoring program was reduced to include monitoring of select wells (MW-1, MW-2, MW-3, MW-5 and MW-7) downgradient of the former onsite source areas, as discussed below. Monitoring is performed once every five quarters so as to allow for evaluation of groundwater conditions at different times during the year.

3.3.1 Summary of Groundwater Monitoring Program

The monitoring well network was sampled twice during the reporting period, including one full round of samples and one sampling of the select wells, in accordance with the NYSDEC's requests. Wells MW-1 through MW-4, MW-6, MW-7, MW-9, and MW-10 were sampled in the third quarter (July) of 2011. Well MW-5 did not contain any water and well MW-8 was previously destroyed (reportedly by a snow plow); therefore, these two wells were not sampled. For the first quarter (January) 2013 monitoring event, the NYSDEC directed that wells MW-1 through MW-3, MW-5, and MW-7 be sampled, and that an additional attempt should be made to locate well MW-8. Based on these directives, wells MW-1 through MW-3 and MW-7 were sampled in January 2013. Well MW-5 did not contain any water and, therefore, was not sampled. The area of well MW-8 was thoroughly investigated from grade to approximately 1.5 feet below grade and the well was not located. Based on the absence of any well casing or access cover, it appears that at least the top portion of the well has been destroyed and/or removed. It should be noted that the former well was slightly elevated and located away from the parking lot in a grassy area adjacent to a wooded strip of land; this area does not receive any stormwater runoff from any buildings or parking lots. Furthermore, at a minimum the top portion of the well appears to be removed and this area has filled in with surrounding soil. Therefore, the potential for a direct pathway for parking lot or building stormwater runoff or discharge to contact groundwater does not appear to be present.

All groundwater monitoring procedures were in accordance with the SMP and were recorded in a field book and on groundwater sampling logs, which also serve as inspection forms for the groundwater monitoring well network. Copies of the completed sampling logs for the reporting period are included in Appendix G.

At each well to be sampled, the depth to the static water level, the depth to any non-aqueous-phase liquids (product), and depth of the well were measured using an interface probe. Depth to

groundwater measurements were also obtained from the other Site wells not scheduled for sampling. Either a dedicated bailer or a decontaminated low-flow submersible pump was then used to purge a minimum of three to a maximum of five casing volumes of water from each well to be sampled. The purge water was examined for indications of visible contamination (sheen, odor). As no indications of visible contamination were noted in any of the purge water, it was discharged to the ground surface in the vicinity of the well and allowed to infiltrate. Following the removal of each casing volume, field parameters, including pH, turbidity, specific conductivity, and temperature, were monitored. When all stability parameters varied by less than 10 percent between the removal of successive casing volumes, the wells were sampled.

Following purging, the pump was removed and samples were obtained using dedicated disposable polyethylene bailers. The retrieved samples were decanted into laboratory-supplied sample containers in accordance with the sampling matrix in the SMP.

All non-disposable downhole sampling equipment was decontaminated in accordance with the procedures in the SMP prior to use at each location to reduce the potential for cross-contamination. Decontamination fluids containing only water and Alconox (anionic detergent) and that did not appear to be visibly impacted were discharged to the Site surface and allowed to infiltrate. All sampling equipment was either dedicated disposable equipment or decontaminated prior to use at each location.

All samples were consistently identified in all field documentation, chain-of-custody (COC) documents, and laboratory reports using an alphanumeric code. Once the groundwater samples were collected and labeled, they were placed in ice-filled coolers and stored in a cool area away from direct sunlight to await shipment to the laboratory. Completed COC forms accompanied the cooler. Samples were returned to the FPM office for transport directly to the laboratory by a laboratory courier.

Quality assurance/quality control (QA/QC) samples, including trip blanks, field blanks, field duplicates, and MS/MSD samples, were collected and analyzed in accordance with the site-specific Quality Assurance Project Plan (QAPP).

All groundwater and QA/QC samples collected were analyzed by a NYSDOH-certified lab using the most recent NYSDEC Analytical Services Protocol (ASP). Analytical data were provided in complete ASP Category B data packages, copies of which are included on a CD in Appendix H. A data usability summary report (DUSR) was also prepared for each laboratory package. The DUSRs are included in Appendix I.

The January 2013 analytical data in the form of the NYSDEC Electronic Data Deliverables (EDDs) were also processed using the EQuIS Data Processor and submitted for upload to the NYSDEC's Environmental Information Management System (EIMS).

3.3.2 Groundwater Monitoring Results and Comparison with Remedial Objectives

A groundwater flow direction map was developed from the existing survey data and depth-to-groundwater information obtained during each of the monitoring events, as shown in

Figures 3.3.2.1 and 3.3.2.2. The groundwater flow is to the south-southeast and is consistent with previous groundwater flow direction information presented in the SMP.

The data from the July 2011 and January 2013 sampling events are summarized in Tables 3.3.2.1 and 3.3.2.2 together with the data from previous sampling events for comparison purposes. The data are evaluated with respect to the NYSDEC Class GA Ambient Water Quality Standards (Standards); exceedances of the NYSDEC Standards are highlighted.

No VOCs were detected in any of the sampled wells in July 2011, with the exception of a low estimated concentration of one VOC in well MW-3. Similarly, VOC concentrations in January 2013 were low to non-detect in wells MW-1 through MW-3 and MW-7. Chlorobenzene was detected in wells MW-1 and MW-2 at concentrations only slightly above its NYSDEC Standard. No other exceedances were noted. In general, VOC concentrations have decreased or remained relatively unchanged since the last sampling event prior to this review period. As previously discussed in the SMP, wells with VOC detections are located at the southwest corner of the Site in the vicinity of the adjoining New York Twist Drill site, which was a source of VOC-impacted groundwater. These VOCs do not originate from the Site. Therefore, changes in VOC concentrations do not reflect changes in Site groundwater quality related to the remediation of the Site leaching pools.

SVOC concentrations in July 2011 and January 2013 remained relatively unchanged compared to the previous monitoring events. Several SVOCs were detected at the Site (wells MW-1 and MW-7) in exceedance of their Standards. The detected concentrations were only very slightly above the Standards and were, in several cases, estimated. No SVOCs were detected at wells MW-6, MW-9, or MW-10 during the reporting period. SVOCs do not present a significant concern in Site groundwater.

Metals concentrations in July 2011 and January 2013 generally decreased or remained relatively unchanged since the last sampling was performed prior to this review period, with the only exception being a slight increase in the lead concentration in well MW-2; the detected concentration (27 ug/l) was only slightly above the Standard of 25 ug/l. Iron, manganese and/or sodium concentrations in several of the wells were noted to slightly exceed the Standards, yet generally remained relatively unchanged or lower than previously-detected concentrations. In general, metals concentrations declined in the majority of the Site wells between 1997 and 2008. Continued reductions have been noted since the closure of leaching pools LP-1, LP-2, and LP-3 in 2009. The remaining Site-related constituents for which exceedances of NYSDEC Standards continue to be observed include only iron, manganese, and a low concentration of lead. Iron and manganese are often found at elevated concentrations in Long Island groundwater and their NYSDEC Standards are based on aesthetic considerations, and not health-related concerns. Sodium concentrations in the Site wells are not related to remediation of Site soil because this sodium originates from an offsite source and/or from winter road salt applications.

316 SOUTH SERVICE ROAD
KONG USA INC.

320 SOUTH SERVICE ROAD
KATHERINE GIBBS SCHOOL

25 MELVILLE PARK ROAD
OFFICE BUILDING

70 MELVILLE PARK RD.
LONG ISLAND CENTER AND MAXEDO

MW-8
MW-6
(53.30)
LP-17
HYD
LP-18
MH
MH
LP-15
MH
MH
LP-31
LP-20
LP-21
LP-22
MH
LP-14
MH
TRANSFORMER
H/H
53.20
MW-5
(53.21)
LP-12
LP-13
LP-11
GROUNDWATER
FLOW DIRECTION
BUILDING
LP-24
LP-8
53.00
LP-25
LP-9
LP-5
LP-4
LP-3
LP-6
LP-3R
LP-2R
LP-7
LP-2
LP-1
LP-1R
MW-7
(52.95)
GAS-FIRED
FURNACE
MH
UG GAS SERVICE
LP-10
LP-30
MW-1
(52.87)
SIDEWALK
SEPTIC TANK
LP-27
LP-28
(SEPTIC TANK)
LP-29
LP-26
MW-2
MW-10 (52.81)
(52.83)
FD-SIAMESE
WM
MW-9
(52.76)
52.80
MW-4
(52.79)
T-BOX
UG FIBER OPTIC
MW-11
CB
MW-3
(52.82)
PROPERTY LINE
(APPROXIMATE)

MELVILLE PARK ROAD

10 MELVILLE PARK ROAD
MARCUM KILEGMAN, LLP

20 MELVILLKE PARK RD SPRING

30 0 30 60 90
GRAPHIC SCALE - FEET

LEGEND:

MW-1 (52.87) MONITORING WELL LOCATION WITH GROUNDWATER RELATIVE ELEVATION, JULY 2011

LP-1R DR LP-27 LEACHING POOL LOCATION WITH MANHOLE

( ) LEACHING POOL LOCATION WITH SUBGRADE ACCESS

FORMER LEACHING POOL

FPM GROUP

FIGURE 3.3.2.1
SITE PLAN WITH GROUNDWATER RELATIVE ELEVATIONS, JULY 2011
35 MELVILLE PARK ROAD
MELVILLE, NEW YORK

Drawn By:H.C. | Checked By:J.B. | Date: 3/12/13

H:\Kalfin Realty\MELVILLE PARK RD\B.dwg, 4/2/2013 9:39:52 AM, 11x17

316 SOUTH SERVICE ROAD
KONG USA INC.

320 SOUTH SERVICE ROAD
KATHERINE GIBBS SCHOOL

25 MELVILLE PARK ROAD
OFFICE BUILDING

70 MELVILLE PARK RD.
LONG ISLAND CENTER AND MAXEDD

MW-8
MW-6
(51.97)
LP-17
HYD
LP-18
MH
MH
LP-15
MH
MH
LP-31
LP-20
LP-21
LP-22
51.90
LP-14
MH
MH
TRANSFORMER
MW-5
(DRY)
LP-12
LP-13
LP-11
BUILDING
LP-23
LP-24
51.70
LP-8
LP-25
LP-9
LP-5
LP-4
LP-3
GROUNDWATER
FLOW DIRECTION
GAS-FIRED
FURNACE
MH
UG GAS SERVICE
LP-10
LP-6
LP-3R
LP-2R
MW-7
(51.60)
LP-7
LP-2
LP-1
LP-1R
51.50
HYD
UG GAS SERVICE
LP-30
MW-1
(51.49)
SIDEWALK
SEPTIC TANK
LP-27
LP-28
(SEPTIC TANK)
LP-29
LP-26
MW-2
MW-10 (51.41)
(51.40)
FD-SIAMESE
MW-9
(51.39)
MW-4
(51.41)
T-BOX
UG FIBER OPTIC
MW-11
CB
MW-3
(51.43)
PROPERTY LINE
(APPROXIMATE)

MELVILLE PARK ROAD

10 MELVILLE PARK ROAD
MARCUM KILEGMAN, LLP

20 MELVILLKE PARK RD SPRING

30 0 30 60 90
GRAPHIC SCALE - FEET

LEGEND:

MW-1 (51.49) — MONITORING WELL LOCATION WITH GROUNDWATER RELATIVE ELEVATION, JANUARY 2013

LP-1R DR LP-27 — LEACHING POOL LOCATION WITH MANHOLE

( ) — LEACHING POOL LOCATION WITH SUBGRADE ACCESS

FORMER LEACHING POOL

FPM GROUP

FIGURE 3.3.2.2
SITE PLAN WITH GROUNDWATER RELATIVE ELEVATIONS, JANUARY 2013
35 MELVILLE PARK ROAD
MELVILLE, NEW YORK

Drawn By:H.C.	Checked By:J.B.	Date: 3/12/13

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TABLE 3.3.2.1
GROUNDWATER SAMPLES
ORGANIC PARAMETERS DATA
I.W. INDUSTRIES, MELVILLE, NEW YORK

Well No.	MW-1										MW-2						MW-3								MW-4						MW-5						MW-6						MW-7						NYSDEC GA Standards
Sampling Date	7/14/97	3/22/01	3/30/04	3/23/05	3/8/06	6/29/07	12/2/08	4/30/10	7/11/11	1/31/13	3/8/06	6/29/07	12/2/08	4/30/10	7/11/11	1/31/13	7/14/97	3/22/01	3/8/06	6/29/07	12/2/08	4/30/10	7/11/11	1/31/13	3/8/06	6/29/07	12/2/08	4/30/10	7/11/11	1/31/13	7/14/97	3/8/06	6/29/07	12/2/08	4/30/10	7/11/11	1/31/13	7/14/97	3/8/06	6/29/07	12/2/08	4/30/10	7/11/11	1/31/13	3/8/06	6/29/07	12/2/08	4/30/10	7/11/11	1/31/13	
Volatile Organic Compounds in ug/l																																																	
Acetone	U	U	U	U	U	U	U	U	U	U	U	U	U	1.1 JB	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	U	U	50**
2-Butanone (MEK)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	1.9 J	U	U	U	U	U	U	U	U	U	U	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	U	U	50**
1,2-Dichloroethene	3 J	3 J	U	3.7 J	1.4 J	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	2.4 J	U	U	U	U	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	U	U	5
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	U	U	5
Ethylbenzene	U	U	U	U	U	U	U	U	U	0.35 J	U	U	U	U	U	0.17 J	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	U	U	5
Trichloroethene	U	U	U	U	U	U	U	U	U	0.34 J	U	U	U	U	U	0.18 J	U	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	U	0.17 J	5
Chlorobenzene	41	20	9	6.8	1.5 J	25	23	9.0	U	14	0.92 J	4.3 J	23	4.1 J	U	15	U	NS	U	U	16	7.1	U	2.0	U	U	1.3 J	U	U	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	4.3 J	8.1	6.9	3.8 J	U	2.6	5
Isopropylbenzene	U	U	U	U	U	U	U	U	U	0.16 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	U	U	5
Tetrachloroethene	U	U	U	0.57 J	1.1 J	U	U	U	U	U	0.66 J	1.3 J	U	U	U	0.25 J	U	NS	4.4 J	2.6 J	2.2 J	1.3 J	0.99 J	0.39 J	0.51 J	U	U	U	U	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	1.7 J	U	0.99 J	5
Toluene	U	U	U	U	U	U	U	U	U	0.19 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	U	U	5
m&p-Xylene	U	U	U	U	U	U	U	U	U	0.29 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	U	U	5
o-Xylene	U	U	U	U	U	U	U	U	U	0.16 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	U	U	5
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	U	U	5
cis-1,2-Dichloroethene	U	U	U	U	U	7.3	3.0 J	U	U	0.64 J	U	1.1 J	U	U	U	0.61 J	U	U	U	U	U	U	U	U	U	2.3 J	U	U	U	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	1.9 J	U	1.3	5
Semivolatile Organic Compounds in ug/l																																																
1,2-Dichlorobenzene	2 J	1 J	U	U	U	3.7 J	5.2	U	2.5 J	4.9	U	U	1.7 J	U	0.80 J	1.9	U	1 J	U	U	U	U	1.3 J	1.8	U	U	U	U	U	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	1.6 J	U	0.67 J	0.65 J	3
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	0.48 J	1.0	U	U	U	U	U	0.28 J	U	NA	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	1.1 J	1.1 J	1.3	3
1,4-Dichlorobenzene	6 J	3 J	U	2 J	U	2.1 J	5.0	U	4.2	9.5	0.9 J	0.52 J	3.7 J	U	1.1 J	3.0	U	3 J	U	U	U	U	0.69 J	1.3	U	U	U	U	U	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	0.6 J	4.5 J	9.9	6.1	6.0	6.2	3
bis(2-Ethylhexyl)phthalate	U	U	U	U	U	U	U	U	2.7 JB	U	U	U	U	U	2.8 JB	U	U	1 JB	U	U	U	U	2.8 JB	U	2 J	U	U	U	0.70 JB	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	2 J	U	U	0.71 J	0.78 JB	U	5
Di-n-butylphthalate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	NS	U	NS	NS	1 J	U	U	U	5.0 B	U	NS	U	U	U	5.0 B	U	U	50
Benzo(a)anthracene	U	U	U	U	U	U	U	U	U	0.88 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	0.89 J	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	U	U	0.002
Benzo(a)pyrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	0.77 J	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	U	0.41 J	ND
Benzo(b)fluoranthene	U	U	U	U	U	U	U	U	U	0.74 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	1.4 J	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	0.54 J	0.59 J	0.002
Benzo(g,h,i)perylene	U	U	U	U	U	U	U	U	U	2.2 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	0.74 J	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	U	U	-
Benzo(k)fluoranthene	U	U	U	U	U	U	U	U	U	0.64 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	0.42 JM	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	U	U	0.002
Carbazole	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	1.2 J	U	U	U	-
Chrysene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	0.85 J	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	0.46 J	U	0.002
Dibenz(a,h)anthracene	U	U	U	U	U	U	U	U	U	1.6	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	U	0.28 J	-
Fluoranthene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	1.6 J	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	4.4	0.66 J	U	50
Phenanthrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	0.55 J	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	0.33 J	U	50
Pyrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	1.4 J	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	1.3 J	0.58 J	U	50
4-Methylphenol	U	U	U	U	U	U	1.3 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	U	U	-
Indeno(1,2,3-cd)pyrene	U	U	U	U	U	U	U	U	U	1.4	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	0.81 J	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	U	0.47 J	0.002
Diethylphthalate	U	1 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1 J	1 J	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	NS	U	NS	NS	U	U	U	U	U	U	NS	U	U	U	U	U	U	50

TABLE 3.3.2.1 (CONTINUED)
GROUNDWATER SAMPLES
ORGANIC PARAMETERS DATA
I.W. INDUSTRIES, MELVILLE, NEW YORK

Well No.	MW-8								MW-9												MW-10										NYSDEC GA Standards
Sampling Date	7/14/97	3/22/01	3/8/06	6/29/07	12/2/08	4/30/10	7/11/11	1/31/13	7/14/97	3/22/01	3/27/02	3/20/03	3/30/04	3/23/05	3/8/06	6/29/07	12/2/08	4/30/10	7/11/10	1/31/13	7/14/97	3/22/01	3/27/02	3/20/03	3/30/04	3/23/05	3/8/06	6/29/07	12/2/08	4/30/10	7/11/11	1/31/13	
Volatile Organic Compounds in ug/l																															
2-Butanone (MEK)	U	U	U	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	UB	U	U	U	U	U	NS	50**
1,2-Dichloroethene	U	U	U	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NS	47	6	5 J	3 J	6	6.7	U	U	U	U	U	NS	5
1,2-Dichloroethane	U	NA	U	NS	NS	NS	NS	NS	U	NA	U	U	U	U	U	U	U	U	U	NS	U	NA	UJ	U	U	U	U	U	U	U	U	NS	0.6
Trichloroethene	U	U	U	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NS	9 J	2 J	21	5 J	2 J	4.9 J	U	UM	U	U	U	NS	5
Chlorobenzene	U	U	U	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NS	2 J	1 J	U	2 J	18	3.4 J	U	U	U	U	U	NS	5
Tetrachloroethene	U	U	U	NS	NS	NS	NS	NS	U	U	0.9 J	U	U	U	U	U	U	U	U	NS	29	6	44	15	8	18	10	3.6 J	4.6 J	1.5 J	U	NS	5
1,1,1-Trichloroethane	U	U	U	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NS	UJ	2 J	6 J	2 J	U	U	U	U	U	U	U	NS	5
Semivolatile Organic Compounds in ug/l																															
1,2-Dichlorobenzene	U	U	U	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	0.7 J	U	1 J	U	U	U	U	U	U	NS	3
1,3-Dichlorobenzene	U	NA	U	NS	NS	NS	NS	NS	U	NA	U	U	U	U	U	U	U	U	U	NS	U	NA	1 JM	U	1 J	U	U	U	U	U	U	NS	3
1,4-Dichlorobenzene	U	U	U	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NS	2 J	2 J	3 J	2 J	6 J	U	U	U	U	U	U	NS	3
bis(2-Ethylhexyl)phthalate	U	1 JB	U	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	U	U	U	NS	5
Di-n-butylphthalate	U	U	U	NS	NS	NS	NS	NS	2 J	U	U	U	0.9 J	U	U	U	U	U	5.0 B	NS	U	U	U	U	U	U	U	U	U	4.8 B	U	NS	50
Benzo(a)anthracene	U	U	U	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	U	U	U	NS	0.002
Benzo(a)pyrene	U	U	U	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	U	U	U	NS	ND
Benzo(b)fluoranthene	U	U	U	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	U	U	U	NS	0.002
Benzo(g,h,i)perylene	U	U	U	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	U	U	U	NS	-
Benzo(k)fluoranthene	U	U	U	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	U	U	U	NS	0.002
Carbazole	U	U	U	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	U	U	U	NS	-
Chrysene	U	U	U	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	U	U	U	NS	0.002
Fluoranthene	U	U	U	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	U	U	U	NS	50
Phenanthrene	U	U	U	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	U	U	U	NS	50
Pyrene	U	U	U	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	U	U	U	NS	50
4-Methylphenol	U	U	U	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	U	U	U	NS	-
Indeno(1,2,3-cd)pyrene	U	U	U	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	U	U	U	NS	0.002
Diethylphthalate	U	1 JB	U	NS	NS	NS	NS	NS	U	U	U	U	0.3 J	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	0.67 J	U	U	NS	50

Notes:

Only analytes detected in one or more samples are included in this table.
Several wells were dry on occasion and could not be sampled.
NS = Not Sampled.
NA = Not Analyzed.
U = Not detected
B = Analyte is detected in an associated blank.

J = Result is an estimated value below the reporting limit.
M = Manually integrated compound.
ug/l = micrograms per liter.
Bold shaded values exceed their respective NYSDEC Class GA Standard or Guidance Value.
** = There is no established Standard; a Guidance Value of 50 ug/l has been established.

TABLE 3.3.2.2
GROUNDWATER SAMPLES
INORGANIC PARAMETERS DATA
I. W. INDUSTRIES, MELVILLE, NEW YORK

Well No.	MW-1														MW-2							MW-3													MW-4								NYSDEC GA Standards
Sampling Date	7/14/97	1/29/98		3/22/01		3/30/04	3/23/05	3/8/06		6/29/07	12/2/08	4/30/10	7/11/11	1/31/13	3/8/06		6/29/07	12/2/08	4/30/10	7/11/11	1/31/13	7/14/97	1/29/98		3/22/01		3/8/06		6/29/07	12/2/08	4/30/10	7/11/11	1/31/13	3/8/06		6/29/07	12/2/08	4/30/10	7/11/11	1/31/13	
Sample Type	Whole	Whole	Filtered	Whole	Filtered	Whole	Whole	Whole	Filtered	Whole	Whole	Whole	Whole	Whole	Whole	Filtered	Whole	Whole	Whole	Whole	Whole	Whole	Whole	Filtered	Whole	Filtered	Whole	Filtered	Whole	Whole	Whole	Whole	Whole	Whole	Whole	Filtered	Whole	Whole	Whole	Whole	Whole	-	
Metals in ug/l																																										
Aluminum	7,350	485	U	976	9.9 B	788	192 B	169 B	U	U	59 J	U	25.5 J	U	332 B	U	U	1,100	U	46.9 J	3,620	4,370	1,050	28.9 B	1,760	48.3 B	132 B	U	U	U	U	48.1 J	619	U	U	U	U	U	18.2 J	NS	-
Antimony	3.6 BN	U	U	U	U	U	U	U	U	U	ND	U	U	U	6.3 B	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	3
Arsenic	35.3	23.6	12.9	15.8	7.7 B	25.1 B	13.5 B	14.7 B	9.5 BJ	6.7 J	ND	U	U	4.8 J	6.3 B	U	9.0 J	4.7 J	7.9 J	U	14.2	6.3 B	1.9 B	U	18.1	U	28.6 B	13.4 BJ	12 J	6.2 J	U	U	9.1	U	U	8.8 J	5.0 J	U	5.8 J	NS	25
Barium	75.8 B	44.1 B	13.6 B	67.2 B	22.1 B	76.4	27.3	17.3	8.1 J	9.8	17	21.1	37.9 B	30.6 J	92.5	72.1 J	13	19	29.9	51.7 B	76.4 J	61.2 B	56.9 B	37.7 B	164 B	12.5 B	53.6	36.2 J	64	17	33.0	32.2 B	51.3 J	112	90.1 J	230	120	148	143	NS	1,000
Beryllium	0.87 B	0.20 B	U	0.20 B	U	U	U	U	U	U	ND	U	U	U	U	U	U	U	U	U	U	0.50 B	0.10 B	U	0.34 B	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	3
Cadmium	3.5 B	0.63 B	U	0.43 B	U	2.0 B	1.8 B	U	U	U	ND	U	U	U	U	U	U	U	U	U	U	0.67 B	0.30 B	U	1.0 B	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	5
Calcium	25,400	13,600	12,400	11,400	11,200	24,700	13,400	8,970	9,190 J	7,900	8,600	11,500	14,300	9,770	29,200	28,900 J	11,900	8,800	22,000	86,300	17,400	6,830	11,500	9,990	8,030	5,860	11,900	13,100 J	10,900	7,700	14,600	24,800	13,000	15,600	13,900 J	13,700	10,800	28,300	17,500	NS	-
Chromium	11.1	1.8 B	U	2.8 B	U	2.7 B	1.8 B	2.3 B	1.8 BJ	2.0 J	ND	0.84 J	0.57 J	U	U	U	U	3.8 J	0.96 J	U	9.3 J	18.2	3.5 B	0.73 B	7.8 B	1.8 B	1.9 B	2.3 B J	U	U	U	U	U	1.6 B	U	U	U	U	U	NS	50
Cobalt	24.4 B	14.4 B	12.4 B	8.1 B	6.9 B	11.5	7.1 B	3.8 B	3.7 BJ	U	ND	1.4 J	1.6 J	U	2.1 B	1.9 BJ	5.2 J	3.4 J	3.1 J	1.2 J	U	6.3 B	3.4 B	1.7 B	1.8 B	U	21.4	20.9 J	5.9 J	1.5 J	U	U	U	35.7	8.4 BJ	22	5.2 J	1.5 J	5.0	NS	-
Copper	306	43.1	3.1 B	30.5	U	84.8	13.1	21.3	5.0 BJ	11	4.6 J	6.2 J	1.6 J	U	11.3	10.4 J	15	12	13.3	2.1 J	41.9	43.7	22.7 B	4.6 B	43.7	6.9 B	65.6	24.1 J	15	2.5 J	5.1 J	2.8 J	12.2 J	7.2 B	4.4 BJ	7.6 J	3.6 J	U	U	NS	200
Iron	58,000	95,900	80,400	38,000	33,900	65,900	72,300	70,200	38,800 J	57,500	42,600	29,200	24,200	27,100	20,300	475 J	45,500	51,100	16,800	15,900	36,100	18,900	4,720	187	43,300	785	59,500	36,500 J	55,000	48,900	26,200	23,100	14,600	20,700	2,560 J	47,300	32,900	2,570	14,100	NS	300
Lead	41.3	14.5	1.5 B	13.4	U	12.5	3.3 JB	3.2 B	U	U	ND	U	2.9 J	U	4.7 B	U	U	11	U	U	27.0	29.9	19.9	4.9	66.8	17.3	4.4 B	U	U	U	U	U	10.8	U	U	U	U	U	U	NS	25
Magnesium	4,520 B	2,120 B	1,970 B	2,160 B	2,040 B	2,610	2,080	1,810	1,850 J	1,400	1,300	2,580	3,600	2,420 J	1,770	1,840 J	2,000	1,600	4,170	7,930	2,930 J	3,340 B	3,830 B	3,410 B	2,690 B	2,060 B	2,810	3,060 J	2,700	1,500	3,510	4,700	3,540 J	2,980	3,180 J	2,600	2,700	5,900	3,860	NS	35,000
Manganese	1,000	1,710 JN	1,590 JN	822	853	1,080	892	831	745 J	530	526	372	410 B	390	328	187 J	470	640	433	300 B	384	403	237 JN	128 JN	248	8.3 B	1,380	1,200 J	550	470	349	336 B	194	3,130	608 J	1,600	600	123	413	NS	300
Mercury	0.11 B	U	U	U	U	U	UJ	U	U	U	ND	U	U	U	U	U	U	U	U	U	U	U	U	U	0.11 B	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	0.7
Nickel	13.3 B	4.8 B	3.5 B	6.5 B	3.7 B	5.7 B	2.6 B	U	2.2 BJ	U	ND	1.8 J	1.6 J	U	2.0 B	4.4 BJ	2.5 J	U	2.5 J	U	5.1 J	9.3 B	2.2 B	U	2.8 B	U	14.7	15.0 J	3.2 J	U	U	U	U	U	20.4	4.3 BJ	3.0 J	U	U	3.7 J	NS	100
Potassium	15,100	5,200	4,540 B	5,120 J	5,350 J	12,700 J	4,050	2,110	2,060 J	1,500	1,500	2,600	2,630	2,130 J	23,700	22,700 J	1,900	1,300	4,560	11,100	3,640 J	2,450 B	3,330 B	2,980 B	1,980 JB	1,670 JB	3,930	4,170 J	2,500	1,200	3,480	3,620	2,910 J	3,980	3,580 J	3,200	2,300	5,200	2,640	NS	-
Selenium	U	4.5 B	4.1 B	U	U	UJ	U	U	U	U	ND	U	U	U	U	U	U	U	U	U	U	3.0 B	U	U	4.4 B	3.4 B	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	10
Silver	U	U	U	U	U	U	U	U	U	U	ND	0.32 J	U	U	U	U	U	U	0.54 J	U	U	U	U	U	U	U	U	U	U	U	0.78 J	U	U	U	U	U	U	U	U	NS	50
Sodium	30,300 E	10,900 JE	9,890 JE	14,600	15,300	50,100	19,200	10,700	21,600	11,600	8,400	29,900	33,900	21,500	119,000	123,000	10,800	8,400	27,500	68,100	22,700	10,600 E	11,900 JE	12,000 JE	8,610	8,630	19,200	32,600	17,400	8,100	25,500	23,200	17,400	27,900	16,800 J	16,500	17,100	33,500	29,300	NS	20,000
Thallium	U	U	U	U	U	UJ	U	UJ	U	U	ND	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U	U	U	UJ	UJ	U	11 J	U	U	U	U	UJ	U	U	U	U	U	NS	0.5
Vanadium	14.1 B	2.2 B	U	4.7 B	0.44 B	5.0 B	2.1 B	2.4 B	U	2.2 J	2.0 J	1.1 J	U	U	4.5 B	U	1.3 J	7.6 J	1.5 J	2.4 J	14.6 J	14.1 B	3.6 B	U	14.1 B	0.61 B	2.5 B	U	1.1 J	3.5 J	U	U	U	U	U	U	1.3 J	U	U	NS	-
Zinc	261	71.5	30.7	39.7	28	70.1	U	35.3 B	36.9 BJ	U	ND	U	5.1 J	U	11.1 BJ	20.6 J	U	26 J	U	U	45.9	65.8	25.3	27.7	48.3	36.1	18.5 BJ	48.9 BJ	U	U	U	U	11.1 J	35.5 B	U	U	U	U	U	NS	2,000
Iron and Manganese	59,000	97,610	81,990	38,822	33,853	66,980	73,192	71,031	39,545 J	58,030	43,120	29,572	24,610 B	27,490	20,628	662 J	45,970	51,740	16,433	16,200 B	36,484	19,303	4,957	315	43,548	793.3	60,880	37,700 J	55,500	49,370	26,549	23,436 B	14,794	23,830	3,168 J	48,900	33,500	2,693	14,513	-	500

TABLE 3.3.2.2 (CONTINUED)
GROUNDWATER SAMPLES
INORGANIC PARAMETERS DATA
I. W. INDUSTRIES, MELVILLE, NEW YORK

Well No.	MW-5							MW-6								MW-7							MW-8										NYSDEC GA Standards
Sampling Date	3/8/06		6/29/07	12/2/08	4/30/10	7/11/11	1/31/13	7/14/97	3/8/06		6/29/07	12/02/08	4/30/10	7/11/11	1/31/13	3/8/06		6/29/07	12/02/08	4/30/10	7/11/11	1/31/13	7/14/97	1/29/98	3/22/01	3/8/06				12/02/08	4/30/10	7/11/11	1/31/13	
Sample Type	Whole	Filtered	Whole	-	Whole	-	-	Whole	Whole	Filtered	Whole	Whole	Whole	Whole	-	Whole	Filtered	Whole	Whole	Whole	Whole	Whole	Whole	Whole	Filtered	Whole	Filtered	Whole	Filtered	-	Whole	-	-	
Total Metals in ug/l																																		
Aluminum	7,710	U	1,000	NS	154 J	NS	NS	1,270	U	U	U	U	U	75.2 J	NS	228 B	U	U	U	25.0 J	453	577	2,820	1,960	11.5 B	989	22.5 B	760	U	NS	NS	NS	NS	-
Antimony	U	U	U	NS	U	NS	NS	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	3
Arsenic	9.8 B	U	U	NS	U	NS	NS	U	U	U	U	U	U	U	NS	6.7 B	4.3 BJ	15 J	U	U	4.8 J	5.6	3.5 B	U	U	U	U	U	U	NS	NS	NS	NS	25
Barium	70.1	20.3 J	73	NS	47.0	NS	NS	47.2 B	35.1	18.1 J	46	60	44.3	26.6 B	NS	41.6	35.5 J	87	77	82.0	77.1	98.25	53.6 B	122 B	76.1 B	134 B	131 B	47.8	45.1 J	NS	NS	NS	NS	1,000
Beryllium	U	U	U	NS	U	NS	NS	0.17 B	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	0.23 B	0.17 B	U	U	U	U	U	NS	NS	NS	NS	3
Cadmium	U	U	U	NS	U	NS	NS	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	0.33 B	0.23 B	U	0.42 B	0.65 B	U	U	NS	NS	NS	NS	5
Calcium	11,400	10,800 J	12,500	NS	12,100	NS	NS	8,280	9,100	7,680 J	9,500	10,100	9,010	6,960	NS	12,800	13,300 J	14,100	11,400	11,100	12,500	56,500	11,200	16,800	16,000	23,400	25,500	25200 J	30,400 J	NS	NS	NS	NS	-
Chromium	11.4	U	2.1 J	NS	U	NS	NS	5.4 B	U	U	U	U	U	U	NS	U	U	U	U	U	1.2 J	U	20.2	13.5	1.3 B	6.1 B	U	3.3 B	U	NS	NS	NS	NS	50
Cobalt	3.5 B	U	U	NS	U	NS	NS	2.0 B	3.4 B	3.4 BJ	U	U	U	U	NS	9.0 B	8.3 BJ	2.8 J	U	1.6 J	U	U	3.4 B	2.0 B	U	1.7 B	1.1 B	U	U	NS	NS	NS	NS	-
Copper	132	U	23	NS	4.6 J	NS	NS	16.7 B	U	U	U	U	U	U	NS	9.8 B	U	6.7 J	9.1 J	8.9 J	36.0	82.4	24.0 B	36.4	2.4 B	17.2 B	3.4 B	17.7	U	NS	NS	NS	NS	200
Iron	9,280	U	1,300	NS	271	NS	NS	3,360	73.9 B	U	110 J	U	U	130	NS	21,200	12,900 J	29,000	9,100	12,300	11,100	6,430	8,280	2,750	23.1 B	2,690	12.8 B	1,490	U	NS	NS	NS	NS	300
Lead	45.0	U	5.8 J	NS	U	NS	NS	4.8	U	U	U	U	U	U	NS	U	U	U	U	U	9.8 J	14.9	14.7	10.6	U	12.5	2.8 B	4.3 B	U	NS	NS	NS	NS	25
Magnesium	3,570	U	3,400	NS	3,320	NS	NS	2,010 B	1,940	1,630 J	2,500	2,500	2,230	1,650	NS	3,140	3,170 J	3,400	2,600	2,310	4,910	4,860 J	4,020 B	3,950 B	3,530 B	4,920 B	5,220	6,590 J	7,730 J	NS	NS	NS	NS	35,000
Manganese	126	2,530 J	840	NS	29.3	NS	NS	143	10.2 B	U	16	9.8 J	4.5 J	15.7 B	NS	475	431 J	190	210	106	128	101	227	160 JN	27.5 JN	216	194	63.1	11.4 BJ	NS	NS	NS	NS	300
Mercury	U	U	U	NS	U	NS	NS	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	U	U	0.13 B	0.14 B	U	U	NS	NS	NS	NS	0.7
Nickel	6.2 B	2.2 BJ	U	NS	U	NS	NS	4.2 B	U	U	U	U	U	U	NS	4.8 B	5.4 BJ	U	U	1.6 J	U	U	5.3 B	4.9 B	U	5.6 B	4.0 B	U	2.8 BJ	NS	NS	NS	NS	100
Potassium	1,800	1,350 J	2,000	NS	2,060	NS	NS	1,570 B	995	1,080 J	1,000	1,400	1,150	946	NS	2,260	2,290 J	2,100	1,600	1,920	2,230	6,690	2,000 B	2,810 B	2,490 B	5,610 J	6,090 J	2,470 J	2,870 J	NS	NS	NS	NS	-
Selenium	U	U	U	NS	U	NS	NS	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	NS	NS	NS	10
Silver	U	U	U	NS	U	NS	NS	U	U	U	U	U	U	U	NS	U	U	U	U	U	U	U	1.3 B	U	U	1.3 B	U	U	U	NS	NS	NS	NS	50
Sodium	9,910	21,200	28,300	NS	15,700	NS	NS	9,180 JE	4,700	15,800	9,500	23,400	21,700	14,800	NS	19,500	30,500	18,700	17,770	43,400	32,200	54,200	22,900 E	40,200 JE	40,000 JE	34,500	37,100	19,700	35,300	NS	NS	NS	NS	20,000
Thallium	UJ	UJ	U	NS	U	NS	NS	U	UJ	UJ	U	U	U	U	NS	UJ	UJ	U	U	U	U	U	U	U	U	U	U	UJ	UJ	NS	NS	NS	NS	0.5
Vanadium	14.4	U	1.8 J	NS	U	NS	NS	4.9 B	U	U	U	U	U	U	NS	U	U	U	1.2 J	U	1.8 J	U	6.4 B	2.3 B	U	2.3 B	U	1.9 B	U	NS	NS	NS	NS	-
Zinc	58.7	U	14 J	NS	5.2 J	NS	NS	21.7	U	U	U	U	U	U	NS	28.9 BJ	35.5 BJ	1.2 J	11 J	5.7 J	44.9	78.7	35.3	33.8	15.2 B	30.6	29.9	23.8 B	11.5 BJ	NS	NS	NS	NS	2,000
Iron and Manganese	9,406	2,530 J	2,140	NS	300.3	NS	-	3,503	84.1	U	126	9.8	4.5 J	145.7 B	-	21,675	13,331 J	29,190	9,310	12,406	11,228	6,531	8,507	2,910	50.6	2,906	206.8	1,553	11.4 J	-	-	-	-	500

TABLE 3.3.2.2 (CONTINUED)
GROUNDWATER SAMPLES
INORGANIC PARAMETERS DATA
I. W. INDUSTRIES, MELVILLE, NEW YORK

Well No.	MW-9																MW-10																NYSDEC GA Standards
Sampling Date	7/14/97	1/29/98		3/22/01	3/27/02		3/20/03	3/30/04	3/23/05	3/8/06		6/29/07	12/2/08	4/30/10	7/11/11	1/31/13	7/14/97	1/29/98		3/22/01		3/27/02		3/20/03	3/30/04	3/23/05	3/8/06		6/29/07	12/2/08	4/30/10	7/11/11	1/31/13	
Sample Type	Whole	Whole	Filtered	Whole	Whole	Filtered	Whole	Whole	Whole	Whole	Filtered	Whole	Whole	Whole	Whole	-	Whole	Whole	Filtered	Whole	Filtered	Whole	Filtered	Whole	Whole	Whole	Whole	Filtered	Whole	Whole	Whole	Whole	-	
Total Metals in ug/l																																	
Aluminum	7,460	10,800	6,090	19,300	17,700 J	16,200	9,330 J	7,860	1,960	1,470	U	770	1,700	1,120	2,590	NS	269	61,600	17.8 B	2,010	27.1 B	911 J	U	739 NJ	624	347 B	U	U	U	U	U	U	NS	-
Antimony	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	3.4 B	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	3
Arsenic	U	6.9 B	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	119	U	6.5 B	U	U	U	U	U	U	U	U	U	U	U	U	NS	25
Barium	55.5 B	53.0 B	40.3 B	87.7 B	59.8 J	66.1 J	51.1	36.2	19.0	8.8	5.0 BJ	29	83	53.0	89.9	NS	148 B	5,630	92.5 B	275	159 B	222	183	179	236	192	99.9	71.0 J	110	140	215	234 B	NS	1,000
Beryllium	0.83 B	1.8 B	0.80 B	1.6 B	1.6 B	1.5 B	1.1 B	0.94 B	U	U	U	U	U	U	U	NS	U	6.3	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	3
Cadmium	U	0.80 B	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	U	0.27 B	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NS	5
Calcium	12,800	16,700	18,300	11,500	18,800	20,100	27,500	23,800	7,400	10,800	11,100 J	18,200	16,500	10,900	13,300	NS	9,780	11,200	9,590	10,900	10,800	13,600	13,900	21,100	21,600	14800	12,200	12,300 J	10,600	13,300	12,300	13,900	NS	-
Chromium	0.87 B	7.1 B	U	3.1 B	3.9 B	2.3 B	3.9 B	U	11.9	35.2	37.8 J	16	2.8 J	2.0 J	1.9 J	NS	5.7 B	90.7	U	3.3 B	U	1.7 B	U	U	U	1.6 B	U	U	U	U	U	U	NS	50
Cobalt	5.8 B	51.3	12.2 B	38.7 B	28.9	21.3	16.4	13.6	4.8 B	6.5 B	U	4.2 J	U	U	1.7 J	NS	27.9 B	61.3	10.4 B	8.0 B	6.8 B	3.3 B	3.7 B	14.4	41.2	23.3	3.3 B	2.4 BJ	2.7 J	U	U	U	NS	-
Copper	120	27.1	20.9 B	44.9	33.1	33.7	16.4	21.9	7.5 B	4.9 B	U	6.2 J	20	7.3 J	6.4 J	NS	7.8 B	164	1.7 B	10.7 B	U	4.6 B	6.3 B	2.4 B	5.5 B	6.0 B	U	5.4 BJ	4.3 J	U	U	U	NS	200
Iron	85.1 B	9,360	30.2 B	2,830	2,550	157 B	5,470	593	442	3,860 J	U	U	U	U	107 J	NS	19,600	249,000	9,500	19,400	9,910	3,910	794	3,080	5,050	9,400	656	U	2,400	950	247	37.0 J	NS	300
Lead	17.2	10.7	0.81 B	4.2	U	U	U	U	UJ	U	U	U	U	U	U	NS	U	118	U	8.3	U	U	U	U	U	UJ	U	U	U	U	U	U	NS	25
Magnesium	3,220 B	3,480 B	3,570 B	3,550 B	4,480	4,640	5,070	4,600	1,680	2,070	2,050 J	3,000	3,300	2,260	2,830	NS	2,370 B	8,120	2,340 B	2,490 B	2,310 B	3,020	3,000	4,620	4,960	3610	3,050	3,010 J	2,800	3,200	3,260	3,540	NS	35,000
Manganese	592	1,650 JN	855 JN	1,210	1,080	943 J	871	645	219	181	13.9 BJ	89	57	29.6	81.6	NS	1,570	1,890 JN	823 NJ	1,110	1,140	1,580 J	1,850 J	4,680	5,730 J*	2,000	303	190 J	99	410	41.6	82.5 B	NS	300
Mercury	U	U	U	0.21	U	U	U	U	UJ	U	U	U	U	U	U	NS	U	0.46	U	0.15 B	*	U	U	U	U	UJ	U	U	U	U	U	U	NS	0.7
Nickel	20.4 B	21.3 B	17.3 B	22.2 B	23.6	22.9	19.3	15.9	6.5 B	4.1 B	U	6.0 J	U	1.2 J	3.8 J	NS	10.1 B	59.9	3.7 B	4.6 B	2.7 B	2.6 B	9.7 B	3.9 B	7.2 B	5.3 B	3.0 BJ	4.4 BJ	U	U	U	U	NS	100
Potassium	10,900	10,200	10,700	19,800 J	27,500	28,500	17,700 J	12,300 J	4,790	2,750	2,230 J	2,700	3,700	3,550	4,580	NS	1,910 B	11,300	5,740	3,010 JB	2,800 JB	3,730	3,550	4,410 NJ	5,710 J	4,870	4,540	4,210 J	2,400	1,900	2,460	2,500	NS	-
Selenium	U	U	U	U	U	U	U	U J	U	U	U	U	U	U	U	NS	U	12.4	U	U	U	U	U	U	U J	U	U	U	U	U	U	U	NS	10
Silver	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U	U	NS	U	U	U	U	U	UJ	UJ	U	U	U	U	U	U	U	U	U	NS	50
Sodium	28,700 E	24,300 JE	27,100 JE	32,000	34,800	35,800	34,900	31,400	22,000	22,400	33,500	19,300	32,200	28,900	34,500	NS	12,100 E	12,800 JE	14,000 JE	12,900	13,800	16,100	16,600	16,700 E	25,000	24,100	22,800	32,600	17,500	21,800	19,900	39,900	NS	20,000
Thallium	U	U	U	U	U	U	U	U J	U	UJ	UJ	U	U	U	U	NS	U	2.3 B	U	U	U	U	U	U	U J	U	UJ	UJ	U	U	U	U	NS	0.5
Vanadium	U	14.7 B	U	3.6 B	5.0 B	U	9.5	U	U	3.3 B	U	U	U	U	U	NS	U	220	U	8.9 B	U	3.5 B	U	3.1 B	2.1 B	U	U	U	U	U	U	U	NS	-
Zinc	74.9	56.4	50.1	66	69.9 J	93.7 J	49.8 B	44.3 B	17.2 B	23.3 B	U	150	110	10.3 J	12.7 J	NS	40.2	228	16.5 B	19.5 B	16.3 B	U	24.9 B	U	U	U	15.1 B	16.1 BJ	U	U	U	U	NS	2,000
Iron and Manganese	677.1	11,010	885.2	4,040	3,630	1,100	6,341	1,238	661	4,041	13.9 J	89	57	29.6	188.6	-	21,170	250,890	10,323	20,510	11,050	5,490	2,644	7,760	10,780	11,400	959	190 J	2,499	1,360	258.6	119.5 JB	-	500

Notes:

Several wells were dry on occasion and could not be sampled.
U = Not Detected.
B = Reported value is less than the Contract
E = Reported value is estimated.
*Laboratory data not valid.

NS = Not Sampled.
J = Estimated value.
ug/l = micrograms per liter.
Bold values exceed their respective NYSDEC Class GA Standard or Guidance Value.

3.3.3 Groundwater Monitoring Deficiencies

No groundwater monitoring deficiencies were noted during the reporting period, with the exception of not being able to perform sampling at well MW-5 due to the absence of water in the well. The most recent sample results for well MW-5 collected in 2010 indicated that no exceedances were noted for any targeted compounds; therefore, this deficiency does not appear to be significant.

3.3.4 Groundwater Monitoring Conclusions and Recommendations

Groundwater monitoring has been conducted and reported to the NYSDEC, generally on an annual basis, since 2001. Monitoring has been performed during all four quarters of the year. VOCs detected on the southwestern portion of the Site do not originate from the Site and, therefore, changes in VOC concentrations do not reflect changes in Site groundwater quality related to the remediation of the Site leaching pools. SVOC concentrations in the Site wells are currently very low to non-detect and have remained relatively unchanged when compared to previous sampling events; SVOCs do not present a significant concern in Site groundwater. Metals concentrations have declined in the majority of the Site wells. The remaining Site-related metals for which exceedances of NYSDEC Standards continue to be observed include only iron and manganese in several wells, and a low concentration of lead in one well. Iron and manganese are often found at elevated concentrations in Long Island groundwater and their NYSDEC Standards are based on aesthetic considerations, and not health-related concerns. Sodium concentrations in the Site wells are not related to remediation of Site soil because this sodium originates from an offsite source and/or from winter road salt applications.

Groundwater metals concentrations from the wells closest to the remediated leaching pools have decreased for those analytes associated with the leaching pools, and are no longer changing significantly.

It is recommended that groundwater monitoring be discontinued at the Site.

3.4 Site-Wide Inspection

Site-wide inspections are performed on a regular schedule at a minimum of once every five quarters. Site-wide inspections are also performed after all severe weather conditions that may affect ECs or monitoring devices. Site-wide inspections were performed generally on a monthly basis between July 11, 2011 and January 31, 2013 during the reporting period. A Site-wide inspection was also performed on November 11, 2012 shortly after Superstorm Sandy (a severe event). During these inspections, an inspection form was completed to assess the following:

- Compliance with all ICs, including Site usage;
- The condition and continued effectiveness of ECs;
- General Site conditions at the time of the inspection;

- That Site Management activities being conducted including, where appropriate, groundwater sampling and health and safety inspections;
- Compliance with schedules included in the Operation and Maintenance Plan; and
- That Site records are up to date.

Copies of the completed Site-wide inspection forms for the monitoring period are included in Appendix F. These forms document that no out-of-compliance conditions were noted during the reporting period.

SECTION 4.0
OPERATION AND MAINTENANCE PLAN COMPLIANCE

The Site has operation and maintenance (O&M) requirements for the network of groundwater monitoring wells. The wells are to be operated and maintained in accordance with the Operation and Maintenance Plan in the SMP. In general, the groundwater monitoring wells were checked during each monitoring event to evaluate whether maintenance (redevelopment, repair, etc.) was necessary.

4.1 Summary of O&M Activities

The groundwater monitoring wells, some of which are also used for free-phase product monitoring and recovery, were inspected on a periodic (at least once every five quarters) basis during the reporting period. Inspection of the product monitoring wells was conducted more frequently. Inspection included lowering a weighted measuring tape to the bottom of the wells to ensure that they have not been filled in with silt, and conducting a visual assessment of the well casing, cap, and protective standpipe/manhole.

No damage or sand/silt accumulation was noted for any of the Site's active monitoring wells (with one exception) and no maintenance of the groundwater monitoring wells was necessary. Well MW-8, which is located adjoining an active truck roadway, could not be located during the reporting period, and is presumed to have been damaged by a snow plow. During two site visits conducted in December 2012 and January 2013, the location of well MW-6 and the area around the well were surveyed with a metal detector and partially excavated and fully probed using hand tools to a minimum depth of one foot below grade. No evidence of a well was detected by the metal detector or noted during excavation and probing. We conclude that the upper portion of this well may have been removed by a snow plow and that the area has been filled by the surrounding soil. The former location of this well is in a lawn area that does not receive stormwater runoff from the building or the parking lot.

4.2 Evaluation of O&M Activities

The O&M activities enabled the groundwater monitoring system to continue operating as intended. Although well MW-8 could not be located and is assumed to be destroyed, as this well was on the upgradient side of the Site and was no longer actively monitored, it does not present a significant concern.

4.3 O&M Deficiencies

No significant O & M deficiencies were noted during the reporting period.

4.4 O&M Conclusions and Recommendations

O&M activities for the groundwater monitoring network were generally effective in maintaining the network during the reporting period. Based on the historic monitoring results, it is recommended that groundwater monitoring be terminated. If the NYSDEC concurs with this

recommendation, then the monitoring well network should be properly abandoned in accordance with the SMP and NYSDEC requirements.

SECTION 5.0
CONCLUSIONS AND RECOMMENDATIONS

5.1 Compliance with SMP

Assessment of the overall Site condition and compliance with the SMP during the reporting period are summarized as follows:

➢ **EC and IC Compliance**

- The existing ECs for the Site currently include a cover system over former leaching pools LP-1 through LP-3, and free-phase product monitoring and removal. Routine Site-wide inspections and product monitoring visits were performed during this reporting period in general accordance with the guidelines in the SMP. The only deficiency noted was that product monitoring was not conducted between August and November 2012 due to contractual issues between FPM and the former Site owner, Metro. However, based on the absence of product since 2005 and throughout the recent monitoring period, this gap in product monitoring is not a significant deficiency. The cover system over former leaching pools LP-1 through LP-3 was routinely inspected during this reporting period; no changes were noted and the cover system was observed to be in good condition.

- No product was noted during the reporting period; product has not been observed since 2005 (over seven years ago). Groundwater was noted to decrease in relative elevation throughout the reporting period and has declined to below the historic average water level. Despite this decline in the water table elevation, product was not observed in any of the wells and it is concluded that free-phase product is no longer present.

- The ICs for the Site include several site use restrictions outlined in Section 2.0 of this PRR. The Site use is commercial and is consistent with the approved uses. No changes in Site usage were noted during this reporting period and the property was noted to be in compliance of all Site use restrictions;

- The SMP also functions as an IC as it contains provisions for operating, monitoring and maintaining ECs. The provisions of the SMP were implemented during the reporting period. With the exception of minor deficiencies noted in this PRR (loss of one upgradient monitoring well) all aspects of the Site are in compliance with the SMP.

- Groundwater monitoring was conducted in July 2011 and January 2013 during the reporting period, which is in general accordance with the monitoring schedule outlined in the SMP. The monitoring was conducted to assess the performance of the remedy and whether the criteria for termination of monitoring have been met.

5.2 Performance and Effectiveness of the Remedy

- The remedy was managed during the reporting period in general compliance with the SMP. The remedy has performed effectively to reduce groundwater impacts and eliminate exposure to residual soil contamination;

- The cover system above former leaching pools LP-1 through LP-3 was effective as it isolated residual materials remaining at the Site and reduced the potential for environmental impacts;

- The restrictions on Site use were also protective of human health and environment as inappropriate uses of the Site that might result in human contact with residual Site materials were prevented;

- Groundwater monitoring was effective as it allowed for confirmation of changes in levels of Site-related constituents in onsite groundwater resulting from implementation of the remedy. The monitoring data show that the only remaining Site-related impacts include several SVOCs at very low concentrations in two wells, a low concentration of lead in one well, and iron and manganese in several wells. Iron and manganese are often found at elevated concentrations in Long Island groundwater and their NYSDEC Standards are based on aesthetic considerations and not health-related concerns. Sodium was also noted in several wells. However, sodium concentrations in the Site wells are not related to remediation of Site soil as the sodium appears to originate from an offsite source and/or winter road salt applications;

- Free-phase product monitoring was effective as it allowed for confirmation of the continued absence of free-phase throughout the reporting period, which included a significant decrease in water levels to below average historic levels. Free-phase product is no longer present at the Site.

5.3 Recommendations

Based on the current Site conditions, FPM recommends the following site management activities for the next reporting period:

- Based on the recent and historical groundwater monitoring results, no significant Site-related groundwater impacts remain present. Therefore, we recommend that groundwater monitoring be terminated and the monitoring wells properly abandoned;

- Based on the continuous absence of floating product since 2005, an interval that included both high and average water level conditions, free-phase product is no longer present. Therefore, free-phase product monitoring should be terminated and the associated monitoring wells properly abandoned.

APPENDIX A

NYSDEC CORRESPONDENCE

New York State Department of Environmental Conservation
Division of Environmental Remediation, 11th Floor
625 Broadway, Albany, New York 12233
Phone: (518) 402-9553 **Fax:** (518) 402-9577
Website: www.dec.ny.gov

Joe Martens
Commissioner

12/17/2012

Mr. Frank Andrea
Andrea & Towsky
320 Old Country Road
Garden City, NY 11530

Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: I.W. Industries, Inc.
Site No.: 152102
Site Address: 35 Melville Park Road
Melville, NY 11747

Dear Mr. Frank Andrea:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at http://www.dec.ny.gov/regulations/67386.html) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **March 02, 2013**. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.

All site-related documents and data, including the PRR, are to be submitted in electronic format to the Department of Environmental Conservation. The Department will not approve the PRR unless all documents and data generated in support of that report have been submitted in accordance with the electronic submissions protocol. In addition, the certification forms are required to be submitted in both paper and electronic formats.

Information on the format of the data submissions can be found at:
http://www.dec.ny.gov/regulations/2586.html

The signed certification forms should be sent to Brian Jankauskas, Project Manager, at the following address:

New York State Department of Environmental Conservation
Division of Environmental Remediation, BURA
625 Broadway
Albany, NY 12233-7015

Phone number: 518-402-9626. E-mail: bfjankau@gw.dec.state.ny.us

The contact information above is also provided so that you may notify the project manager about upcoming inspections, or for any other questions or concerns that may arise in regard to the site.

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

cc: w/ enclosures

Kailyn Realty I, LLC

ec: w/ enclosures

Brian Jankauskas, Project Manager
John Swartwout, Section Chief
Walter Parish, Hazardous Waste Remediation Engineer, Region 1
Krista Anders, DOH

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7)**:**

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.

- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 152102

Site Name I.W. Industries, Inc.

Site Address: 35 Melville Park Road Zip Code: 11747
City/Town: Melville
County: Suffolk
Site Acreage: 6.0

Reporting Period: June 10, 2011 to January 31, 2013

	YES	NO
1. Is the information above correct?	☐	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☐
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☐
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☐
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☐

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☐	☐
7. Are all ICs/ECs in place and functioning as designed?	☐	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 152102 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
268-1-005	Kailyn Realty I, LLC	Ground Water Use Restriction IC/EC Plan Landuse Restriction Monitoring Plan O&M Plan Site Management Plan Soil Management Plan

Box 4

Description of Engineering Controls

Parcel	Engineering Control
268-1-005	Cover System

Engineering Control Details for Site No. 152102

Parcel: 268-1-005

March 30, 2000 Record of Decision:

- Site may be used for commercial or industrial use only.
- Use of groundwater underlying the Site is prohibited without treatment rendernig it safe for the intended use.
- All future activities on the Site that will disturb the ECs are prohibited unless conducted in a manner approved by the DEC.
- Vegetable gardens and farming on the Site are prohibited.
- Free-phase product monitoring shall occur and measureable product shall be removed.
- Groundwater sampling shall be conducted every 5 quarters to monitoring site conditions.
- Certifications of Institutional and Engineering Controls shall be performed.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☐	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☐	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 152102

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as _____(Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

_____ _____
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification Date

IC/EC CERTIFICATIONS

Box 7

Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as a for the _____
(Owner or Remedial Party)

_____ _____ _____
Signature of , for the Owner or Remedial Party, Rendering Certification | Stamp (Required for PE) | Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-page or less)
   A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
   B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
      1. progress made during the reporting period toward meeting the remedial objectives for the site
      2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
   C. Compliance
      1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
      2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
   D. Recommendations
      1. recommend whether any changes to the SMP are needed
      2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
      3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)
   A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
   B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
   Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)
   A. IC/EC Requirements and Compliance
      1. Describe each control, its objective, and how performance of the control is evaluated.
      2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
      3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
      4. Conclusions and recommendations for changes.
   B. IC/EC Certification
      1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)
   A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
   B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
   C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
   D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
   E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
   A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
   B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
   C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated the ability of each component of the remedy subject to O&M requirements to perform as

designed/expected.

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
   1. whether all requirements of each plan were met during the reporting period
   2. any requirements not met
   3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals
   1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
   2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.

FPM group — Engineering and Environmental Science

FPM Group, Ltd.
FPM Engineering Group, P.C.
formerly Fanning, Phillips and Molnar

CORPORATE HEADQUARTERS
909 Marconi Avenue
Ronkonkoma, NY 11779
631/737-6200
Fax 631/737-2410

VIA EMAIL

March 13, 2013

Mr. Brian Jankauskas
Environmental Engineer 2
Remedial Bureau A
New York State Department of Environmental Conservation
625 Broadway, 12th Floor
Albany, NY 12233-7015

Re: **Extension Request**
I.W. Industries, Inc. Site, NYSDEC Site #152102
35 Melville Park Road, Melville, New York
FPM File No. 900-13-06

Dear Brian:

On behalf of our client, Kailyn Realty I, LLC, FPM Group (FPM) is hereby requesting additional time to complete the Periodic Review Report (PRR) for the above-referenced site. The New York State Department of Environmental Conservation (NYSDEC) December 17, 2012 Reminder Notice stipulated that this PRR was due on March 2, 2013. We have recently completed the groundwater monitoring work that is required to be included in the PRR and are currently preparing the report. We anticipate providing the PRR to the NYSDEC during the week of April 8, 2013.

Please confirm that this extension to the schedule is acceptable. Should you have any questions, please do not hesitate to call me at (631) 737-6200, ext. 228.

Sincerely,

Stephanie O. Davis
Senior Hydrogeologist
Department Manager

Cc: Perry Youngwall, Kailyn Realty I, LLC
Leslie Lopez, Andrea & Towsky

S:\KailynRealty\35 MPR\JankauskasLtr1.docx

From: Brian Jankauskas
To: Bukoski, John;
cc: Davis, Stephanie;
Subject: Re: I.W. Industries Site- 35 Melville Park Rd
Date: Thursday, March 14, 2013 10:42:50 AM

John,

An extension to April 12th will be acceptable.

Regards,
Brian

>>> "Bukoski, John" <j.bukoski@fpm-group.com> 3/14/2013 10:21 AM >>>
Brian,

Attached please find our extension request letter for the above-referenced site.

John S. Bukoski
FPM Group
909 Marconi Avenue
Ronkonkoma, NY 11779
(631) 737-6200, ext. 218
Mobile: (516) 381-3535

APPENDIX B

RESUMES OF ENVIRONMENTAL PROFESSIONALS

Stephanie O. Davis, PG, CPG

FPM group — Engineering and Environmental Science

Ms. Davis has diversified experience in geology and hydrogeology. Her professional technical experience includes groundwater, soil, and soil vapor investigations, design and management of soil and groundwater remediation projects, design and installation of groundwater containment systems, design and evaluation of soil vapor mitigation systems, groundwater flow modeling, aquifer testing and interpretation, evaluation of site compliance with environmental regulations, environmental permitting, and personnel training. Ms. Davis presently manages several large-scale investigation and remedial programs, including program scopes, budgets, staffing, and schedules.

Functional Role	Title	Years of Experience
Senior Hydrogeologist	**Department Manager - Hydrogeology**	**29**

Personal Data

Education
M.S./1984/Geology/University of Southern California
B.S./1981/Geology/Bucknell University

Registration and Certifications
Certified Professional Geologist #9487, (AIPG) 1995
California Registered Geologist #5192, 1991
Pennsylvania Registered Geologist #PG-000529-G, 1994
OSHA – Approved 40 hour Health and Safety Training Course (1990)
OSHA - Approved 8 hour Health and Safety Training Refresher Courses (1991-Present)
OSHA-Approved 8-hour Site Safety Supervisor Training Course (2008)
National Ground Water Association
Long Island Association of Professional Geologists
USEPA Triad Training for Practitioners

Employment History

1993-Present	FPM Group
1992-1993	Chevron Research and Technology Co.
1990-1992	Chevron Manufacturing Co.
1984-1990	Chevron Exploration, Land, and Production Company

Continuing Education
- Treatment of Contaminated Soil and Rock
- Groundwater Pollution and Hydrology
- Environmental Law and Regulation
- Remedial Engineering
- Soil and Foundation Engineering
- Environmental Geochemistry
- Project Management Professional (PMP) training

Detailed Experience

Site Investigations

- **Program Manager** for ongoing investigation and remedial projects at several New York State Inactive Hazardous Waste Disposal sites, Voluntary Cleanup Program (VCP) sites, and Brownfield Cleanup Program (BCP) sites. Investigations have included site characterization, Remedial Investigations/Feasibility Studies (RI/FS), and Resource Conservation and Recovery Act (RCRA) facility investigations and closures. Remedial services have included contaminated soil removal; ORC and HRC injections; design, installation, and operation of air sparge/soil vapor extraction (AS/SVE) systems and sub-slab depressurization systems (SSDS), capping, and other remedial services.
- **Program Manager, NYS BCP Site, Far Rockaway, NY.** Managed all aspects of pre-application investigation, BCP application, RI Work Plan development, and Citizen Participation Plan (CPP) for a chlorinated solvent site. Responsible for scope development, NYSDEC and NYSDOH coordination, budget, schedule, staffing, and report management.
- **Program Manager, Site Characterization (SC) for NYS Inactive Hazardous Waste Disposal Site, Flushing, NY.** Responsible for SC scope development, budget, schedule, SC Work Plan and report review, staffing, and agency negotiations for a chlorinated solvent site undergoing residential redevelopment.
- **Program Manager** for all Phase I ESA, Phase II investigations, and remediation projects for a major commercial developer on Long Island, New York. Projects have included environmental services associated for the purchase and redevelopment of office buildings, aerospace facilities, former research and development facilities, and large manufacturing plants. Remedial services have included RCRA closures, UIC closures, tank removals, and BCP projects.

- **Program Manager, Remedial Investigation/ Feasibility Study (RI/FS), Levittown, NY.** Managed all aspects of RI/FS for a Class 2 Inactive Hazardous Waste Disposal (Superfund) site involving chlorinated solvents. Responsibilities included RI/FS scope, budget and schedule development, RI/FS work plan, HASP, CAMP, and QAPP, coordination with client, tenants, and regulatory agencies, report review, remedial approach development, and conceptual design.
- **Project Manager, RCRA Facilities Investigation (RFI), Barksdale AFB, LA, AFCEE**. Responsible for all aspects of field program planning, solicitation and selection of subcontractors, mobilization and establishment of a field office, supervising multiple field crews, installation and sampling of monitoring wells, collection and soil samples, data tracking and management and preparation of an RFI report. The scope of work included characterization of the nature and extent of groundwater and soil contamination at thirteen Solid Waste Management Units (SWMUs), performing a base-wide evaluation of background contaminant concentrations, and developing a long-term monitoring (LTM) program for the base.
- **Field Services Manager, UST Investigation, Plattsburgh AFB, NY, AFCEE**. Responsible for field crew training, coordination of sampling crews at multiple sites, sample labeling, handling, tracking, and shipping, field data management and remote field office management. The scope of work included collection of over 450 groundwater samples to characterize groundwater conditions in the vicinity of 150 USTs using a Geoprobe sampling rig, well points, and rapid turnaround-time analysis.
- **Project Manager** for site investigation activities, including soil vapor sampling, soil sampling and analysis, groundwater sampling and analysis, and geotechnical evaluation for numerous sites in Suffolk County, New York. The resulting data were utilized by a major supermarket company in the negotiations for the purchase of the properties and in the property remediation prior to development.
- **Project Manager, Site Investigation, Bronx, NY, NYCT.** Managed field sampling and data analysis activities, including soil vapor analysis, soil sample analysis, and groundwater sampling and analysis at an active commercial bus terminal. Made recommendations for site remediation, including UST removal, soil excavation and disposal, and free-phase product extraction.
- **Project Manager, RCRA Facilities Investigation, City of Richmond, CA**. Prepared RFI work plan, incorporating existing geologic, chemical, and historical data, evaluating newly-acquired site data, and developing recommendations for further investigation and remedial action at a former municipal landfill.
- **Project Manager, Site Investigation, Bay Shore, NY**. **Manufacturing facility.** Managed onsite and offsite soil and groundwater sampling program. Compiled and evaluated data and prepared a comprehensive report of the investigation results for the Suffolk County Department of Health Services (SCDHS) and NYS Department of Environmental Conservation (NYSDEC). Proposed remediation technologies for onsite soil contamination and onsite and offsite groundwater contamination.
- **Project Manager, Site Investigation, Newark Airport, NJ, FAA.** Managed and conducted a soil and groundwater sampling program adjacent to Runway 29. Analyzed chemical analytical data and developed recommendations.
- **Project Manager, Remedial Investigation, Richmond Refinery, CA.** Supervised and conducted drilling, soil sampling, cone penetrometer testing, and well installation at a refinery process water effluent treatment system and former municipal landfill.
- **Senior Hydrogeologist, multiple sites, NY metro area**. Supervised drilling, installation, development, and sampling of monitoring wells at numerous sites in the greater New York metro area. Utilized resulting stratigraphic, hydrologic, and chemical analytical data to evaluate site conditions.
- **Program Manager, multiple sites, major New York Metro area automobile dealer.** Managed all investigation and remedial activities for a major automobile retailer with multiple facilities. Sites included tanks, petroleum spills, underground injection control (UIC) systems, soil vapor intrusion issues, and hazardous waste management. Responsible for work scope and budget preparation, staffing and oversight, client and regulatory agency interactions, addressing insurance issues, reporting and certification, and project closeouts.
- **Program Manager, SWTP groundwater monitoring program, Town of East Hampton.** Managed groundwater sampling and reporting for the Scavenger Waste Treatment Plant (SWTP). Responsibilities included oversight of well installation, purging and sampling the SWTP groundwater monitoring wells, and providing data to the Town for reporting purposes.

Remediation

- **Program Manager, NYSDEC BCP site, NY City, major real estate developer.** In responsible charge of all investigation and remedial activities at a NYSDEC BCP site in New York City. Prepared the Remedial Investigation and Remedial Work Plan; coordinated with the owner, other contractors, and the NYSDEC; prepared for and conducted citizen participation activities; supervised all waste characterization, profile preparation, and waste management; developed the Final Engineering Report (FER) and Site Management Plan (SMP) for NYSDEC approval; and ensured that all remedial requirements were met such that the Certificate of Completion (COC) was issued. Continuing activities include coordination of the ongoing site management, communications with the NYSDEC and NYSDOH, and preparation of the annual Certification Report.
- **Program Manager, Major Oil Storage Facility (MOSF) closure, Glen Harbor, NY. Real estate developer.** Responsibilities included coordination of the work scope with the NYSDEC and NCDOH, development of work plans for tanks, UIC, and petroleum spill closure, budget and schedule development, staffing and oversight, reporting and certification, and closeout of all environmental issues such that residential redevelopment could proceed.
- **Program Manager, Delineation and Remedial Services, NYS Spill Site, St. James, NY.** Responsible for client and agency coordination, budget, schedule, staffing, remedial design and reporting for a petroleum release at a Service Station property with offsite impacts.
- **Program Manager, RCRA Closure Site, Freeport, NY.** Managed all aspects of RCRA Closure of a former printing facility, including scope, budget and schedule development, Closure Plan, NYSDEC interactions, QAPP, and specifications for contractor services.
- **Program Manager, Sub-slab depressurization system (SSDS), Brooklyn, NY.** Managed all aspects of SSDS implementation, including delineation sampling, remedial design, budget and schedule, construction services testing, reporting, and O&M manual development for a former dry cleaner site in an active shopping center.
- **Program Manager, SSDS, Bronx, NY.** Responsible for all aspects of SSDS implementation for a former dry cleaner site in a mixed-use building, including delineation sampling, SSDS design, construction contractor services, testing, reporting, and O&M manual development.
- **Project Manager, Soil Remediation, Hauppauge, NY. Metal plating facility**. Planned remedial project and managed contractor support for soil remediation. Project was completed and approved by SCDHS.
- **Remedial Design, AS/SVE projects**. Developed pilot test plans, evaluated pilot test results, and prepared conceptual designs for several air sparge/soil vapor extraction (AS/SVE) systems to treat petroleum and/or chlorinated solvent VOCs. These systems were subsequently installed and Ms. Davis provides ongoing review of system operations and remedial monitoring results.
- **Program Manager, Waste soil management, Brooklyn, NY. Travelers Insurance**. In responsible charge of several task orders for waste characterization of a 90,000-cy construction soil stockpile at a municipal sewer facility. Responsibilities included development and implementation of Sampling and Analysis Plans (SAP), coordination of staffing, review of lab data, preparation of Field Sampling Summary Reports (FSSR), coordination with disposal facilities, and preparation of waste profiles.
- **Program Manager, NYS Inactive Hazardous Waste Disposal (Superfund) site, Hicksville, NY. Property owner**. Responsibilities included developing and implementing pre-demolition investigations, developing and implementing remedial actions (source removal) in conjunction with retail redevelopment, conceptual design and installation of sub-slab depressurization systems (SSDSs),maintaining ongoing OM&M programs.
- **Project Manager, Remedial projects, Patchogue, NY. US Tape**. Designed and performed indoor underground storage tank abandonment program, leaching pool remediation plan, and managed contractor support for closure activities at a manufacturing facility. SCDHS provided oversight and approval.
- **Senior Hydrogeologist, Remedial design for a landfill, Richmond, CA**. Contributed to the design of a groundwater containment and remediation system for a former municipal landfill, including subsurface groundwater barrier walls and extraction wells.
- **Project Manager, Soil remediation, Carle Place, NY, Kimco**. Designed remedial plan and supervised soil remediation activities at an active construction site involving excavation and disposal of 5,000 tons of PCB-, metal-, and petroleum-contaminated soil. NYSDEC oversaw and approved the completed remediation.

- **Project Manager, Groundwater containment system, Richmond, CA**. Coordinated technical aspects of groundwater barrier wall construction, including routing, permitting, design, material selection, and field activities.
- **Project Manager, Multiple UIC investigations and closures, Suffolk and Nassau Counties, NY** Responsible for investigation and remediation of contaminated cesspool and stormwater drain pool in systems. Fully conversant with SCDHS SOP 9-95 and USEPA UIC regulations for investigation and cleanup of leaching pool systems, including Action Levels and Cleanup Standards, groundwater monitoring criteria, and remedial requirements.
- **Project Coordinator, UIC Closure, Hempstead, NY.** Coordinated and supervised all aspects of waste management for a UIC closure, including disposal facility review, waste sampling and classification, manifesting, project closeout, and taxation issues.

Hydrogeologic Evaluations

- **Project Manager, well permitting, East Hampton, NY. Private client**. Prepared Engineer's Report for Long Island Well Permit for a 230-gpm irrigation supply well. Responsible for evaluation of well interference, salt water upcoming, impacts from contaminants, and other factors affecting the proposed well. Performed well design (gravel pack size, screen size, etc.) for numerous groundwater wells on Long Island. Familiar with sieve analyses, well construction and development methods.
- **Senior Hydrogeologist, groundwater modeling, East Hampton,** NY. Utilized Visual Modflow to evaluate the impact of a contaminant plume on a proposed SCWA wellfield. Model development included evaluation of recharge, aquifer properties, subsurface stratigraphy, boundary conditions, plume source and concentration, and various wellfield locations and pumping rates.
- **Hydrogeologist, aquifer testing, Manhattan, NY. NYCT.** Participated in a multi-day, multi-well aquifer pumping test for NYCT. Responsible for operating and maintaining data logging equipment, coordinating manual water level measurements, and analyzing resulting drawdown data.
- **Hydrogeologist, aquifer evaluation, Brooklyn, NY. NYCT.** Evaluated subsurface geologic conditions for subway site utilizing existing boring logs, topographic, and historic map data.
- **Hydrogeologist, aquifer testing, Queens, NY. NYCT**. Performed slug tests on monitoring wells at an East Side Access site, and evaluated hydrologic properties using the HYDROLOGIC ISOAQX computer program.
- **Hydrogeologist, remedial wells, Deer Park, NY. USEPA.** Supervised drilling, installation and development of groundwater extraction, injection, and monitoring wells at a Superfund site. Interpreted aquifer and well performance from development data and recommended modification of drilling and development procedures.
- **Hydrogeologist, aquifer testing, NYC, NYCT**. Performed aquifer pumping and slug tests and evaluated hydrologic properties using the computer program AQTESOLV.
- **Hydrogeologist, aquifer evaluation, Mattituck Airport, Mattituck, NY**. Performed water level and water quality monitoring at a NYSDEC Superfund site. Constructed groundwater elevation contour maps and utilized chemical analytical data to predict contaminant plume migration.
- **Senior Hydrogeologist, DEIS services, Lazy Point, NY. Town of East Hampton**. Prepared a detailed evaluation of groundwater conditions and potential impacts for a water extension to Lazy Point for a draft Environmental Impact Statement (DEIS). Evaluated current and historic groundwater data and analytical models to determine potential impacts for both Lazy Point and the drinking water source area and prepared associated portions of the DEIS.

Landfills

- **Program Manager, Greenhouse gas monitoring program, Town of Islip, NY**. Responsibilities include scope and budget management, staffing, client and USEPA coordination, reporting review, and troubleshooting.
- **Project Manager, Landfill Closure Investigations, Town of East Hampton, NY**. Prepared Closure Investigation work plans, including Hydrogeologic investigations, methane investigations, surface leachate investigations, and vector investigations. Prepared final Closure Investigation Reports, approved by the NYSDEC.
- **Project Manager, Landfill monitoring networks, Town of East Hampton, NY.** Supervised installation of groundwater and methane monitoring wells at the landfills, including hollow-stern auger and mud-rotary well installations, split-spoon soil sampling and boring log preparation, oversight and interpretation of wireline electric logging, and completion of initial baseline monitoring events.
- **Hydrogeologist, Landfill groundwater monitoring, NJ, private client**. Performed groundwater sampling at a radio tower facility constructed on a landfill. Analyzed results and made recommendations.

- **Hydrogeologist, Landfill gas monitoring, Town of East Hampton, NY**. Conducted methane monitoring at two landfills over a multi-year period.
- **Program Manager, Landfill monitoring programs, Town of East Hampton, NY.** Supervises ongoing groundwater and methane monitoring programs, including field team coordination, communications with the Town, report scheduling, data review, and report review prior to distribution to the client and NYSDEC. Negotiated successfully with NYSDEC for reduced monitoring frequencies based on historic monitoring results.
- **Senior Hydrogeologist, Landfill plume modeling, Town of East Hampton, NY.** Conducted groundwater flow modeling to evaluate the nature and extent of a landfill plume and its fate. Findings were presented at public meetings and were used to determine the configuration of the landfill's groundwater monitoring network.
- **Hydrogeologist, Septage lagoon Superfund site, Town of East Hampton, NY.** Conducted sampling of former septage lagoons at a landfill. Evaluated the resulting data and prepared a delisting petition for this NYSDEC Superfund site.
- **Hydrogeologist, containment system modeling, Richmond, CA.** Used the FLOW PATH modeling program to predict groundwater flow directions and evaluate extraction well locations and pumping rates for a groundwater containment and remediation system at a former municipal landfill.
- **Program Manager, Landfill gas monitoring program, Town of Islip, NY**. Manages monthly methane monitoring for all landfills, including onsite and offsite monitoring wells, methane collection systems, and flare systems. Data is recorded electronically and downloaded to computer for formatting prior to expedited delivery to Town.
- **Program Manager, Landfill monitoring reporting program, Town of Smithtown, NY**. Supervised and reviewed production of quarterly and annual monitoring reports for all monitoring programs at the landfills for Town compliance with NYSDEC requirements, including tabulation and reporting of groundwater and methane monitoring data, solid waste and recycling collection data, yard waste composting operations, and landfill leachate collection and disposal data.
- **Program Manager, Landfill remediation, Town of Huntington, NY.** An historic landfill was removed from parkland under the NYSDEC's ERP. Responsibilities included work scope development, schedule and budget management, staffing, client and regulatory agency coordination and reporting, and report review and certification.

Environmental Data Analysis

Ms. Davis has participated in multiple sessions of environmental geochemistry training provided by environmental geochemists, including physical chemistry, thermodynamics, ionic interactions, complexation, biologic effects, and other basic principles. Training also included field sampling procedures and effects on chemical data, chemical analytical methods and equipment, and QA/QC procedures and interpretation. Attended periodic environmental chemistry training sessions hosted by environmental laboratories and participated in hands-on training in data and QA/QC evaluation.

- **Data Evaluation, multiple projects**. Reviewed and evaluated numerous soil, groundwater, product, indoor/ambient air, and soil vapor chemical analytical datasets, including evaluation of batch and site-specific QA/QC samples, laboratory narratives, comparison to regulatory agency criteria, historic data, and background data.
- **QAPPs, multiple projects**. Developed and implemented numerous QAPP, including QAPP design, sample delivery group (SDG) evaluations, sampling procedures and sequences, and QA/QC sample preparation/collection.
- **DUSR Preparation, multiple projects**. Prepared Data Usability Summary Reports (DUSRs) for numerous chemical analytical datasets for projects overseen by USEPA, NYSDEC and other regulatory agencies, including soil, groundwater, soil vapor, indoor air, and ambient air datasets.
- **Electronic Data Deliverables, multiple projects**. Implemented protocols and procedures for all FPM sites for which NYSDEC Electronic Data Deliverables (EDDs) are required. Responsibilities included staff training, data package QA/QC, client interactions, budget and schedule impact assessments, and dissemination of EDD training information.
- **Data Evaluation, multiple sites**. Performed forensic assessments of historic environmental chemical analytical data to resolve apparent discrepancies with modern data and other inconsistencies.
- **Leachate test assessments**. Assessed leachate test protocols and results to determine the most applicable methods to evaluate and develop soil cleanup objectives for non-regulated compounds.
- **Organic parameter breakdown assessments.** Interpreted numerous organic parameter datasets to evaluate breakdown sequences, likely original parameters, and rates of degradation.

- **Insitu remediation assessments, multiple sites**. Formulated numerous chemical treatment plans for insitu remediation, including assessment of contaminant concentrations and distribution, chemical processes and indicators, natural attenuation indicators, additional stociometric demands, and hydrogeologic factors.

Community Impacts

- **Community Monitoring Plans, multiple hazardous waste sites**. Developed Community Air Monitoring Plans (CAMP) for investigation and remediation projects, including monitoring procedures, action levels, and mitigation measures for odors, traffic, noise, dust, and/or vapors with the potential to affect surrounding communities. Each CAMP was reviewed and approved by the NYSDEC and NYSDOH and was implemented under agency oversight. Presented CAMP findings at numerous community meetings. Addressed community and agency questions and issues
- **Vector Assessments, multiple landfill sites, Long Island, NY**. Evaluated and implemented abatement for vectors (rodents, flies, and seagulls) in association with landfill closures, including inspection and reporting of vector populations, development of vector abatement plans, and assisting Town personnel with vector abatement.
- **Odor Abatement, NYSDEC BCP site, NYC, NY. Major real estate developer**. Developed and implemented an odor abatement plan for highly-odorous soil discovered during a remedial project. The site was surrounded by three public schools; complaints following discovery of odorous soil resulted in a job shutdown until the nuisance was abated. The odor abatement plan was prepared and implemented within 24 hours and involved immediate covering of the odorous soil followed by spot excavation and removal during non-school hours (night work) and the use of odor-controlling foam. The removal was completed within one week without further incident. The NYSDEC and NYSDOH approved the completed work, allowing the job to recommence.
- **Vector Assessment, transfer station, Town of East Hampton, NY**. Conducted inspections of intense fly infestations at a Town transfer station building to identify the locations and migration pathways of flies inside the building and to develop an abatement plan. This plan was successfully implemented and abated the nuisance flies.
- **Soil Vapor Intrusion Assessments, multiple sites**. Developed and implemented air and soil vapor investigations of residential and commercial properties, as approved by the NYSDEC/NYSDOH, to evaluate potential air quality impacts and determine if mitigation or monitoring was necessary. Monitoring/mitigation designs were developed for NYSDEC/NYSDOH approval.
- **CAMP Monitoring, multiple sites**. Conducted odor, dust, noise, and organic vapor monitoring in communities surrounding environmental sites. Data were collected and interpreted in accordance with NYSDEC and/or NYSDOH guidance and the results were submitted to these agencies together with recommendations for mitigation, if appropriate.
- **Project Manager, Environmental data assessment, Windmill Village, Town of East Hampton, NY.** Evaluated environmental data obtained during due diligence testing for a proposed housing development. Recommended additional sampling and confirmed the absence of impacts.

Expert Witness/Technical Services

- **Expert Witness/Technical Services, residential project, Glen Harbor, NY. Private client**. Provided expert witness and technical services regarding environmental conditions and remedial procedures for residential redevelopment of a former oil terminal, including preparing and obtaining NYSDEC and NCDOH approval of remedial work plans, preparing remedial cost estimates and schedules, and providing testimony at a public hearing before the Town Board from which a change of zone was requested. The proposed change of zone, although subject to considerable public opposition, was approved, allowing redevelopment and associated remediation of the property to move forward.
- **Expert Witness/Technical Services, petroleum spill site, Westbury, NY. Private client.** Provided expert witness and technical services to a petroleum company defending NYSDEC cost recovery claims for a petroleum spill. The spill site involved two very large petroleum releases at gasoline stations adjoining the defendant's property. Services provided included evaluating tank tests, groundwater, soil and soil vapor chemical analytical data, petroleum fingerprint data, remediation activities and costs. Prepared numerous detailed timelines of activities, large displays of site information and subsurface conditions, and cost allocation calculations. Conducted a detailed subsurface investigation to evaluate stratigraphic conditions.

- **Expert Technical Services, development site, Village of Larchmont, NY**. Assisted the Village in successfully opposing the construction of a very large superstore in the adjoining community, including evaluating previous environmental investigations, developing cost estimates and scopes of work for a full environmental site assessment, preparing scoping cost estimates for likely remediation scenarios, preparing technical documents in support of the Village's position, and making a presentation at a public hearing. The proposed project was subsequently withdrawn.
- **Expert Hydrogeologist Services, development site, Town of Carmel, NY**. Provided technical evaluation of a proposed water district. The proposed water district would impact existing residents due to limited available water supplies and likely impact on existing wells. The work included evaluation of aquifer pumping tests, determining impacts on nearby wells, assessment of likely increased water demand, preparation of supporting documents, and presentations at project hearings. The proposed project was subsequently conditionally approved by the NYSDEC with significant modifications to protect the water rights of existing residents.
- **Expert Witness Affidavits, multiple projects**. Prepared affidavits regarding environmental conditions at client properties in support of pending legal actions, including landfill issues, wetlands and navigatable waterway issues, and petroleum spills.
- **Expert Technical Services, road construction projects, Westchester County, NY. Croton Watershed Clean Water Coalition**. Provided technical services to the CWCWC to assess impacts from proposed road construction projects on the Kensico Reservoir and other New York City water supply system facilities. This work included evaluating stormwater pollutant loading calculations, assessing impacts to wetlands, promoting application of more accurate stormwater runoff calculation methods, assessing proposed stormwater management techniques, presenting at public meetings, preparing technical statements for submittal to regulatory agencies, and participating in the NYSDOT SWPPP Guidance committee.
- **Expert Technical Services, solvent plume site, Nassau County, NY. Private client**. Provided technical support to a property owner subject to a USEPA investigation as the potential source of a large chlorinated solvent plume, including evaluation of a plume-wide RI/FS, detailed review of property historic information, multiple meetings with the USEPA, client and counsel, and identification of additional potential source areas.

Health and Safety

- **Health and safety monitoring, multiple sites**. Implemented HASP monitoring at investigation and remediation sites during intrusive activities, including calibration and operation of photoionization detector (PID) and flame ionization detector (FID) for organic vapors and combustible gas indicator (CGI) for methane. Compared results to applicable action levels and implemented protective measures as necessary.
- **CAMP monitoring, multiple sites**. Performed community monitoring, including monitoring for noise, particulates (dust), and organic vapors. Recorded observations and compared to applicable action levels. Calibrated and operated noise meters, particulate monitors, and PID/FID.
- **Radiation screening, multiple sites**. Performed screening for radiation at select sites, including operating Geiger counter in different radiation modes and obtaining background readings.

Miscellaneous Projects

- **Phase I ESAs**. Performed numerous Phase I Site Assessments for residential and industrial sites in the metropolitan New York area.
- **Environmental Trainer.** Conducted aquifer pumping and soil vapor extraction test training. Instructed classes for site investigation methods, aquifer pumping test analysis, and risk assessment.
- **Project Management**. Performs a wide range of project management functions, including development and management of project budgets and schedules, coordination of field and office staffing, document preparation, review, editing, and interaction with clients, regulatory, legal, real estate, consultant, and compliance personnel.
- **Field Mapping Studies**. Organized, supervised, and conducted field mapping studies in Alaska.
- **Downhole Logging**. Directed petroleum well site geophysical logging operations and interpreted geophysical well logs.
- **Geophysical Data Interpretation**. Processed and interpreted seismic reflection data and constructed seismic velocity models.
- **Regulatory Evaluations**. Assisted and reviewed regulator's revision of proposed risk assessment-based UST cleanup guidelines. Reviewed proposed USEPA NPDES permits for remediation system effluent.
- **Geologic Mapping**. Constructed and interpreted structural and stratigraphic cross sections, and structure contour, fault surface, isochore, and isopach maps.

Regulatory Compliance

- **Site Audits**. Has conducted numerous site audits for regulatory compliance, particularly with respect to Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Responsibility and Liability Act (CERCLA), the Clean Water Act (CWA) and Clean Air Act (CAA).
- **RCRA compliance audits.** Conducted inspections and reporting regarding underground and aboveground storage tanks (USTs and ASTs), hazardous waste storage facilities, waste management and reporting requirements, and hazardous waste storage area closures in compliance with RCRA.
- **CERCLA Compliance**. Oversees and coordinates environmental site assessments (ESAs) for compliance with CERCLA requirements for a wide variety of facilities including operating and historic industrial sites manufacturing plants, abandoned facilities, and multi-property Brownfield sites.
- **Superfund Sites**. Managed multiple investigation and remedial projects at state and federal Superfund sites. Is very familiar with all phases of CERCLA projects including PA/SI, RI, FS, RD and RA. Has overseen activities at many Superfund sites from investigation through closure.
- **CWA Projects.** Conducted investigation and remediation of Class V underground injection control (UIC) Systems, investigation and acquisition of UIC discharge permits, and discharges into surface water bodies.
- **CAA Compliance Projects**. Conducted facility investigations for emissions sources, including paint booths, fume hoods, process discharges and other point sources. Sampled and evaluated remediation system discharges for CAA compliance, recommended emissions treatment when required.

Representative DOD Projects

- **Barksdale RFI, Barksdale AFB, LA, $520K-**Lead Geologist for RFI for multiple Base-wide sites at Barksdale AFB, including landfills, petroleum spills, fire training areas, sewage treatment plans, and chemical spills. Managed field crews and sampling of soil, groundwater, and waste, performed sample and waste management, and coordinated with Base representatives. Prepared RFI Report, including analytical data reports, CS, and recommendations.
- **Barksdale LTM Program, Barksdale AFB, LA, $1.7M-**Lead Geologist for LTM Program for Base-wide Barksdale groundwater, including landfills, petroleum spills, fire training areas, sewage treatment plants, and chemical spills. Supervised field crews, managed samples and waste, prepared LTM Reports and made recommendations for LTM optimization.
- **Site Characterization, Plattsburgh AFB, NY, $720K-**Field Team Leader for SC investigation of fuel oil USTs and petroleum spills at Base housing, officers' quarters, and support building prior to transition of these areas to other uses. Working for AFCEE, developed and conducted an SC for over 200 USTs, including soil and groundwater sampling to identify petroleum contamination. Supervised several field crews in an accelerated sampling program to complete the SC prior to winter conditions. Prepared SC Report submitted to and approved by the NYSDEC.

John S. Bukoski

FPM group — Engineering and Environmental Science

Mr. Bukoski is an Environmental Scientist with diversified experience in both the Federal and private sector, including groundwater and soil investigations and evaluation, soil remediation projects, soil vapor intrusion evaluation, aquifer testing and interpretation, design and management of soil and groundwater remediation projects, groundwater flow modeling, evaluation of site compliance with environmental regulations, and environmental permitting.

Functional Role	Title	Years of Experience
Environmental Scientist	Project Manager	14

Personal Data

Education

B.S./1998/Environmental Science/SUNY Buffalo

Registration and Certifications

OSHA 40-hr and current 8-hr Health and Safety Training Course (1999-present)
OSHA-Approved 8 hour Health and Safety Training Refresher Courses (2000-Present)
OSHA-Approved 8-hr Site Safety Supervisor Training Course (2008)
OSHA-Approved Permit-Required Confined Space Training
MTA NYC Transit Track Safety Certification
National Groundwater Association
Long Island Association of Professional Geologists
Advanced Technologies for Natural Attenuation Certification

Employment History

1999-present	FPM Group
1991-1998	Sutherland's Office Centre
1985-1991	United States Marine Corps

Detailed Experience

Site Investigations

- Performed Phase I Environmental Site Assessments and Phase II Investigations for numerous sites in New York State, including office buildings, aerospace facilities, former research and development facilities, and large manufacturing plants.
- Provided oversight and coordination for ongoing investigation and remedial projects at several New York State Inactive Hazardous Waste Disposal (Superfund) Sites, Voluntary Cleanup Program (VCP) Sites, and Brownfield Cleanup Program (BCP) Sites. Investigations included Site Characterization (SC), Remedial Investigation/ Feasibility Studies (RI/FS), and RCRA Facility Investigations. Remedial services have included contaminated soil removals; UIC closures, ORC and HRC injections; design, installation and operation of air sparge/soil vapor extraction (AS/SVE) systems; sub-slab depressurization systems (SSDS) and, capping.
- Managed site investigation activities, including soil vapor and air sampling, soil sampling and analysis, groundwater sampling and analysis, and geotechnical evaluation for numerous supermarket sites in Suffolk County, New York in support of negotiations for property purchases and redevelopment.
- Investigated several petroleum-contaminated spill sites at Griffiss AFB, Rome, NY. Performed soil and groundwater sampling via Geoprobe, installed groundwater wells for monitoring and assessment of attenuation. Proposed remediation technologies for soil and groundwater contamination. Analyzed chemical data and prepared a Site Investigation (SI) Report.
- Investigated several chlorinated solvent-contaminated sites at Griffiss AFB, Rome, NY. Performed aquifer testing to establish direction of groundwater flow. Collected groundwater samples and analyzed the chemical data to identify the constituents of concern. Proposed remediation technologies for groundwater contamination.
- Supervised drilling installation, development, and sampling of monitoring wells at numerous sites in the greater New York metropolitan area. Utilized resulting stratigraphic, hydrologic, and chemical analytical data to evaluate site conditions. Prepared investigation reports identifying site history, contaminant characteristics, sampling methods, and site-specific lithology.
- Managed landfill monitoring projects at several landfills in Suffolk County. Collected and evaluated methane and groundwater monitoring data. Prepared reports documenting monitoring results and provided recommendations regarding methane collection, stormwater runoff, capping, and other landfill management strategies.
- Performed long-term monitoring projects at several landfills at Griffiss AFB. Collected groundwater, leachate, and surface water samples. Evaluated resulting data and prepared monitoring reports for state and federal agency review.

John S. Bukoski

FPM group — Engineering and Environmental Science

Remediation

- Performed investigation and remedial activities at a NYSDEC BCP site in New York City. Assisted in preparing the Remedial Investigation and Remedial Work Plan; coordinated with the owner, contractors, and the NYSDEC; conducted citizen participation activities; performed waste characterization, waste profiles, and waste management; assisted in developing the Site Management Plan (SMP) for NYSDEC approval.
- Performed waste characterization of a 90,000-cy construction soil stockpile at a municipal sewer facility. Responsibilities included development and implementation of Sampling and Analysis Plan (SAP), evaluation of lab data, preparation of Field Sampling Summary Reports (FSSR), coordination with disposal facilities, and preparation of waste profiles.
- Developed pilot test plans, evaluated pilot test results, and prepared conceptual designs for several air sparge/soil vapor extraction (AS/SVE) systems to treat petroleum and/or chlorinated solvent VOCs. Provided construction oversight for system installation. Performed routine system operation monitoring and evaluated system performance. Prepared system installation and monitoring reports.
- Assisted in the design of a soil remediation plan and performed construction and soil remediation oversight for a metal parts plating and manufacturing facility in Suffolk County, New York. Remediated numerous leaching pools impacted with petroleum compounds and metals. Prepared a UIC Closure Report for USEPA approval.
- Assisted in the design and oversight of indoor underground storage tank abandonment program, leaching pool remediation plan, and managed contractor support for a tape measure manufacturing facility in Suffolk County, New York. SCDHS provided oversight and approval.

Hydrogeologic Evaluations

- Performed well design (gravel pack size, screen size, etc.) for numerous groundwater wells and variable depths on Long Island. Experience includes sieve analyses, well construction and development methods.
- Performed aquifer pumping and slug tests and evaluated hydrologic properties using the computer program AQTESOLV for several sites in New York City and Long Island.
- Participated in multi-day, multi-well aquifer pumping test for New York City Transit (NYCT). Responsible for operating and maintaining data logging equipment, coordinating manual water level measurements, and analyzing resulting drawdown data.
- Performed water level and water quality monitoring at several sites in Nassau and Suffolk Counties. Constructed groundwater elevation contour maps and utilized chemical analytical data to predict contaminant plume migration.
- Supervised drilling, installation and development of groundwater monitoring wells at three sites within Griffiss AFB, NY and numerous sites in New York City and Long Island. Performed aquifer testing and constructed groundwater elevation contour maps to delineate plumes and predict contaminant plume migration.

Landfills

- Managed ongoing groundwater and methane monitoring programs for Town of East Hampton landfills. Responsibilities included field team coordination, communications with the Town, report scheduling, data package review, and report preparation for distribution to the client and NYSDEC.
- Managed and conducted quarterly methane monitoring at Springs-Fireplace Road and Montauk Landfills for the Town of East Hampton. Tabulated resulting data, evaluated historic methane monitoring results, and recommended appropriate actions including methane monitoring well installations and a methane extraction system. Performed off-site methane monitoring on private property confirm methane containment. Prepared quarterly monitoring reports for submittal to the Town and NYSDEC.
- Performed monthly methane monitoring and prepared monitoring reports for all Town of Islip Landfills. Monitoring program included onsite and offsite methane wells, methane collection systems, and flare systems. Data was recorded electronically and downloaded to computer for formatting prior to delivery to Town. Prepared monthly monitoring reports for submittal to the Town and NYSDEC.
- Produced quarterly and annual monitoring reports for all monitoring programs at Town of Smithtown landfill. Project included tabulation and reporting of groundwater and methane monitoring data, solid waste and recycling collection data, yard waste composting operations, and landfill leachate collection and disposal data.

John S. Bukoski

FPM group — Engineering and Environmental Science

Water Quality Monitoring

- Conducted groundwater monitoring for the Town of Riverhead, including sampling a multi-depth monitoring well network, analysis and interpretation of analytical and hydrogeologic data, and monitoring reporting in accordance with NYSDEC requirements. Responsibilities including sampling, communications with the Town, laboratory data package review, and report preparation for distribution to the client and NYSDEC.
- Conducted investigation and remedial projects at several New York State BCP Sites. Tasks included contaminated soil removal, groundwater remediation and long-term monitoring, groundwater plume evaluation, and preparation and submittal of annual reports to the NYSDEC.
- Coordinated and performed onsite and offsite groundwater monitoring at various petroleum release sites on Long Island, the New York metropolitan area and in Westchester County in accordance with NYSDEC requirements. Utilized resulting stratigraphic, hydrologic, and chemical analytical data to evaluate site conditions. Prepared work plans identifying site history, contaminant characteristics, sampling methods, and site-specific lithology. Monitoring programs generally included installation and sampling of a multi-depth monitoring well network utilizing standard or low flow sampling techniques, analysis and interpretation of analytical and hydrogeologic data, and reporting.
- Performed water level and water quality monitoring at an industrial site in Mattituck, NY. Constructed groundwater elevation contour maps and utilized chemical analytical data to predict contaminant plume migration. Prepared reports, coordinated with the property owner and NYSDEC, and developed a closure plan.
- Conducted numerous investigations and remediation of contaminated cesspool and stormwater drain pool systems in Suffolk County. Fully conversant with SCDHS, SOP 9-95 for investigation and cleanup of leaching pool systems, including Action Levels and Cleanup Standards, groundwater monitoring criteria, and remedial requirements.

Griffiss Air Force Base

- Conducted several Site Investigations for AFCEE. Performed soil and groundwater sampling, aquifer testing, and recommended cleanup procedures necessary for the closure and conversion of the Base. Responsible for compliance with all applicable laws including CERCLA, SARA, RCRA, and NCP.

Roslyn Air National Guard Station

- Conducted several Site Investigations for Roslyn ANGS. Performed soil and groundwater sampling, aquifer testing, and mold evaluations. Prepared reports documenting recommended cleanup procedures necessary for the closure and conversion of the Base. Responsible for compliance with all applicable laws including CERCLA, SARA, RCRA, and NCP.

Health and Safety

- Performed health and safety monitoring at investigation and remediation sites during intrusive activities. Monitoring included calibration and operation of photoionization detectors (PIDs), flame-ionization detectors (FIDs), dust monitors, and combustible gas indicators (CGI). Compared results to applicable action levels and undertook preventative/protective measures as necessary.
- Performed community monitoring, including monitoring for noise, particulates (dust), and organic vapors at several sites throughout New York State. Recorded observations and compared to applicable action levels. Implemented calibration and operation programs and training for noise meters, particulate monitors, PIDs, and FIDs.
- Performed screening for radiation at several sites. Operated Geiger counters in different radiation modes and compared data to background readings.

Miscellaneous Projects

- Performed unexploded ordnance evaluations and mapping for the United States Marine Corps at several munitions ranges in 29 Palms, California, and Camp Lejeune, North Carolina.
- Conducted land survey and mapping for the United States Marine Corps at several artillery ranges in 29 Palms, California and Camp Lejeune, North Carolina.

George H. Holmes

FPM group — Engineering and Environmental Science

Mr. Holmes has diversified experience in geology and hydrogeology. His professional experience includes groundwater and soil investigations, routine landfill gas monitoring, Phase I Environmental Site Assessments, soil remediation projects, soil vapor intrusion evaluation, maintenance of groundwater remediation systems, aquifer interpretation, and evaluation of site compliance with environmental regulations.

Functional Role	Title	Years of Experience
Hydrogeologist	Hydrogeologist/Civil Engineer	2

Personal Data

Education
M.S./2011/Civil Engineering/Penn State, PA
B.S./2007/Geology/SUNY Cortland, NY

Registration and Certifications
OSHA 40-hour HAZWOPER Health & Safety Training
Current OSHA 8-hour HAZWOPER Health & Safety Refresher
American Geophysical Union
Long Island Association of Professional Geologists

Employment History
2011-Present FPM Group
2007-2007 Suffolk County Water Authority

Detailed Experience

Site Investigation and Monitoring

- Performed soil, soil vapor, indoor air and groundwater monitoring and sampling at numerous commercial, industrial, and retail gasoline sites throughout Long Island, New York City, Westchester County and upstate New York. Monitoring and sampling activities have been conducted in accordance with NYSDEC-approved work plans, Phase II and other investigations.
- Assisted in a groundwater, soil, and soil vapor investigation at a Brownfield Cleanup Program (BCP) Site in Far Rockaway, NY involving chlorinated solvents. Responsibilities included groundwater, soil, and soil vapor sampling for characterization and delineation.
- Coordinated and managed subcontractors performing soil boring and well installation activities, excavation activities and utility mark-outs at numerous sites throughout Long Island, New York City, Westchester County and upstate New York.
- Conducted sampling of underground injection control (UIC) systems at several locations on Long Island and in New York City. Responsibilities included sample acquisition and management, field screening, equipment decontamination, data tabulation and evaluation, and reporting.
- Skilled in use and calibration of field equipment including photoionization detectors (PID), flame-ionization detectors (FID), Landtec Infrared Gas Analyzer, combustible gas indicator (CGI), water-level meters, interface probes, submersible pumps, groundwater quality instrumentation, and survey equipment.
- Prepared monitoring reports, investigation reports, site plans, contaminant concentration contour maps, groundwater flow direction maps, and NYSDEC EDD's.
- Conducted Phase I Environmental Site Assessments (ESAs) for numerous residential, commercial, industrial and vacant wooded sites in New York State in accordance with ASTM standards. Phase I ESA tasks included site inspections, interviews, evaluation of state and federal databases, record reviews at local and state government agencies, and report preparation.
- Performed project management tasks including budget analysis, project tracking, invoice approval, client interaction, and preparation of site-specific health and safety plans (HASPs) Community Air Monitoring Plans (CAMPs) and Quality Assurance Project Plans (QAPP)..

Remediation

- Assisted in remedial activities at a New York State Environmental Restoration Program (ERP) brownfield site in Northport, NY. Responsibilities included collection of waste characterization samples, oversight and documentation of excavation and disposal activities, collection of endpoint samples to document the condition of the remaining soil, data tabulation and evaluation and report preparation.

- Assisted in remedial activities at a former fuel terminal site in Glenwood Landing, NY. Responsibilities included collection of waste characterization samples, oversight of excavation and removal of impacted soils, and oversight of floating product removal.
- Provided oversight for the installation of a product recovery system at an industrial site in Flushing, NY. Responsibilities included monitoring product thickness and recovery, field coordination, and documentation.
- Assisted in a UST removal and the removal of impacted sediments from a leaching pool at a former dry-cleaning site in Levittown, NY. Responsibilities included waste characterization and endpoint sampling, subcontractor coordination and oversight, coordination with various Nassau County agencies and the NYSDEC, and report preparation.
- Managed the removal of impacted sediments and liquids from several leaching pools at a commercial site in Inwood, NY. Responsibilities included waste characterization and endpoint sampling, subcontractor coordination and oversight, data tabulation and evaluation and report preparation.
- Operated and maintained remediation systems including soil vapor extraction, groundwater pump and treat, air sparge systems, and sub-slab depressurization systems.

Landfills

- Participated in landfill gas monitoring projects at Town of Islip three landfills. Monitoring program included monthly collection of landfill gas data from onsite and offsite methane wells, methane collection systems (extraction wells), and flare systems, Volatile Organic Compound (VOC) monitoring, greenhouse gas monitoring, and report preparation. Responsibilities also included frequent correspondence with Town officials and regulatory personnel.
- Participated in field and reporting activities for the U.S. Environmental Protection Agency (EPA) Greenhouse Gas (GHG) Reporting Program at the Blydenburgh Landfill in the Town of Islip. Program included weekly GHG data collection, usage and maintenance of a dedicated data logging system, data management, and report preparation in accordance with EPA specifications.
- Conducts ongoing groundwater and methane monitoring programs for two Town of East Hampton landfills. Responsibilities include collection of routine and baseline groundwater samples, methane monitoring and operating, tabulation of analytical data, and report preparation.

Health and Safety

- Prepared community air monitoring (CAMP) and health and safety plans (HASP) for several NYSDEC inactive hazardous waste, brownfield cleanup program, and voluntary cleanup program sites, and petroleum sites.
- Performed health and safety monitoring at investigation and remediation sites during intrusive activities. Monitoring included calibration and operation of PID and FID for organic vapors and CGI for methane. Compared results to applicable action levels and took preventative/protective measures as necessary.
- Performed community monitoring, including monitoring for noise, particulates (dust), and organic vapors in accordance with NYSDEC-approved CAMPs. Recorded observations and compared to applicable action levels. Calibrated noise meters, particulate monitors, and PID/FID.

APPENDIX C

SITE SURVEY

SCHEDULE A DESCRIPTION

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND, SITUATE, LYING AND BEING AT MELVILLE, TOWN OF HUNTINGTON, COUNTY OF SUFFOLK AND STATE OF NEW YORK, KNOWN AND DESIGNATED ON A CERTAIN MAP ENTITLED, "MAP OF INDUSTRIAL PARK, SECTION NO. 4" AND FILED IN THE SUFFOLK COUNTY CLERK'S OFFICE ON MARCH 22, 1966 AS MAP NO. 4596 AND BY LOT NO. 19, WHICH LOT IS MORE PARTICULARLY BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE NORTHERLY SIDE OF MELVILLE PARK ROAD DISTANT 519.73 FEET WESTERLY MEASURED ALONG THE NORTHERLY SIDE OF MELVILLE PARK ROAD FROM THE WESTERLY END OF THE CURVE CONNECTING THE NORTHERLY SIDE OF MELVILLE PARK ROAD AND THE WESTERLY SIDE OF MAXESS ROAD;

RUNNING THENCE SOUTH 83 DEGREES 31 MINUTES WEST ALONG THE NORTHERLY SIDE OF MELVILLE PARK ROAD, 478.52 FEET;

THENCE NORTH 6 DEGREES 29 MINUTES WEST, 517.57 FEET;

THENCE NORTH 76 DEGREES 40 MINUTES 26 SECONDS EAST, 481.95 FEET;

THENCE SOUTH 6 DEGREES 29 MINUTES EAST 575.00 FEET TO THE NORTHERLY SIDE OF MELVILLE PARK ROAD AND THE POINT OR PLACE OF BEGINNING.

"SOIL MANAGEMENT AREA 1"

BEGINNING AT A POINT IN BLOCK 1, LOT 5 SAID POINT BEING DISTANT THE FOLLOWING COURSES FROM THE POINT OF BEGINNING OF ABOVE SCHEDULE A;

A. ALONG THE NORTHERLY LINE OF MELVILLE PARK ROAD SOUTH 83 DEGREES 31 MINUTES 00 SECONDS WEST A DISTANCE OF 430.72 FEET TO A POINT THENCE;

B. THROUGH BLOCK 1, LOT 5 NORTH 6 DEGREES 29 MINUTES 00 SECONDS WEST A DISTANCE OF 140.64 FEET TO SAID POINT OF BEGINNING, THENCE THE FOLLOWING FOUR (4) COURSES THROUGH SAID LOT 5;

1. NORTH 6 DEGREES 29 MINUTES 00 SECONDS WEST 48.00 FEET TO A POINT, THENCE;
2. NORTH 83 DEGREES 31 MINUTES 00 SECONDS EAST, 49.00 FEET TO A POINT, THENCE;
3. SOUTH 6 DEGREES 29 MINUTES 00 SECONDS EAST, 48.00 FEET TO A POINT, THENCE;
4. SOUTH 83 DEGREES 31 MINUTES 00 SECONDS WEST 49.00 FEET TO THE POINT OR PLACE OF BEGINNING.

CONTAINING 2,352 S.F. OR 0.054 ACRES

"SOIL MANAGEMENT AREA 2"

BEGINNING AT A POINT IN BLOCK 1, LOT 5 SAID POINT BEING DISTANT THE FOLLOWING COURSES FROM THE POINT OF BEGINNING OF ABOVE SCHEDULE A;

A. ALONG THE NORTHERLY LINE OF MELVILLE PARK ROAD SOUTH 83 DEGREES 31 MINUTES 00 SECONDS WEST A DISTANCE OF 405.75 FEET TO A POINT THENCE;

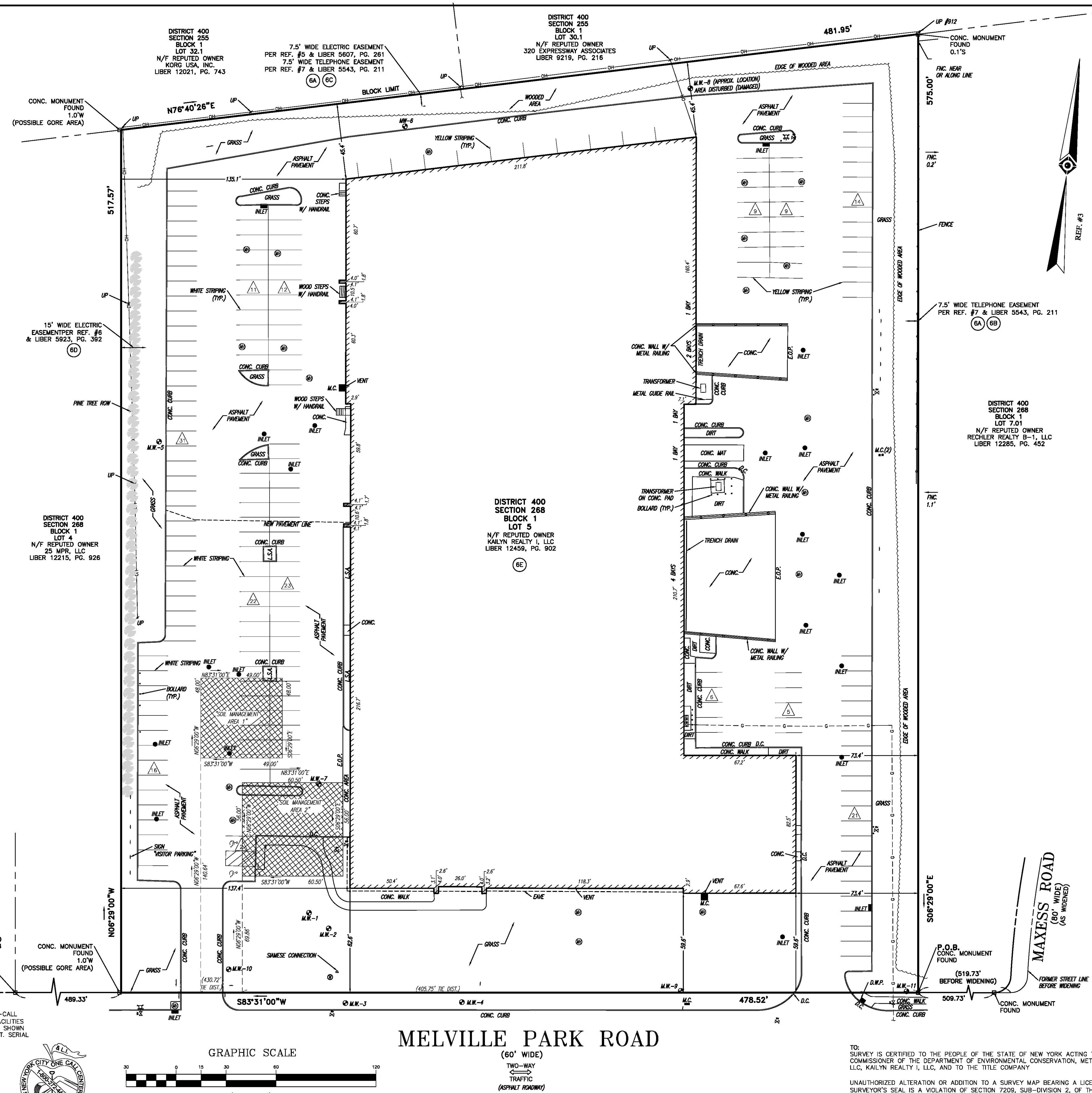
B. THROUGH BLOCK 1, LOT 5 NORTH 6 DEGREES 29 MINUTES 00 SECONDS WEST A DISTANCE OF 69.86 FEET TO SAID POINT OF BEGINNING, THENCE THE FOLLOWING FOUR (4) COURSES THROUGH SAID LOT 5;

1. NORTH 6 DEGREES 29 MINUTES 00 SECONDS WEST 56.00 FEET TO A POINT, THENCE;
2. NORTH 83 DEGREES 31 MINUTES 00 SECONDS EAST, 60.50 FEET TO A POINT, THENCE;
3. SOUTH 6 DEGREES 29 MINUTES 00 SECONDS EAST, 56.00 FEET TO A POINT, THENCE;
4. SOUTH 83 DEGREES 31 MINUTES 00 SECONDS WEST 60.50 FEET TO THE POINT OR PLACE OF BEGINNING.

CONTAINING 3,388 S.F. OR 0.078 ACRES

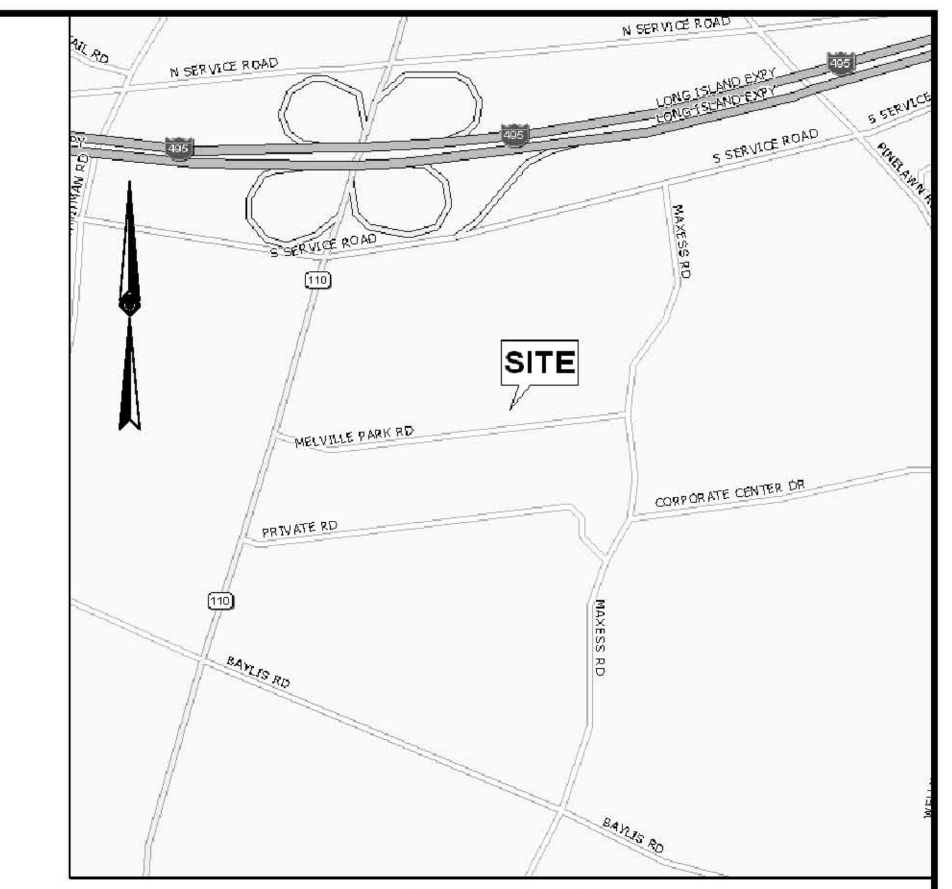
LEGEND

- HYDRANT
- WATER VALVE
- GAS VALVE
- SIAMESE CONNECTION
- OH — OVERHEAD WIRES
- G — UNCONFIRMED LOC. UNDERGROUND GAS LINE PER UTILITY MARKOUT (SEE NOTE #3)
- UTILITY POLE
- GUY WIRE
- GAS METER
- SIGN
- BOLLARD
- METAL GUIDE RAIL
- L.S.A. — LANDSCAPED AREA
- D.C. — DEPRESSED CURB
- M.W. — MONITORING WELL
- M.C. — METAL COVER
- D.W.P. — DETECTABLE WARNING PAD
- E.O.P. — EDGE OF PAVEMENT
- 10 — PARKING SPACE COUNT
- 1.0' — DENOTES OFFSET OF STRUCTURE AT GROUND LEVEL RELATIVE TO PROPERTY LINE
- UNKNOWN MANHOLE
- WATER METER
- AREAS SUBJECT TO SOIL MANAGEMENT AT DEPTH OF 13.5 FEET OR MORE PER REF. #4
- 6A — TITLE REPORT EXCEPTION



GRAPHIC SCALE

(IN FEET)
1 inch = 30 ft.



VICINITY MAP
©2008 DeLorme. Street Atlas USA

NOTES:

1. PROPERTY KNOWN AS LOT 5, BLOCK 1, SECTION 268, DISTRICT 400 AS SHOWN ON THE OFFICIAL TAX MAP OF THE TOWN OF HUNTINGTON, COUNTY OF SUFFOLK, STATE OF NEW YORK.
2. AREA = 261,408 S.F. OR 6.00 AC.
3. THE LOCATION OF ALL UNDERGROUND UTILITIES HAVE NOT BEEN SHOWN. UTILITY INFORMATION SHOWN IS LIMITED TO VISIBLE UTILITY HARDWARE AND UTILITY MARKOUTS AT THE SURFACE AND DOES NOT INCLUDE SUCH ITEMS AS SUBSURFACE PIPING, UTILITY LINES, ETC. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE PROPER UTILITY COMPANIES. CONTROL POINT ASSOCIATES, INC. DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED.
4. THIS PLAN IS BASED ON INFORMATION PROVIDED BY A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC. AND OTHER REFERENCE MATERIAL AS LISTED HEREON.
5. THIS SURVEY IS PREPARED WITH REFERENCE TO A TITLE REPORT PREPARED BY COMMONWEALTHLAND TITLE INSURANCE COMPANY, **TITLE NO. L584113S**, WITH AN EFFECTIVE DATE OF **JUNE 15, 2010.** WHERE THE FOLLOWING SURVEY RELATED EXCEPTIONS APPEAR IN SCHEDULE B, SECTION II:
   - (6A) TELEPHONE AGREEMENT IN LIBER 5543, PAGE 211 – 7.5' TELEPHONE EASEMENT – AFFECTS NORTHERLY AND EASTERLY PORTION OF PROPERTY, SHOWN.
   - (6B) AGREEMENT IN LIBER 5608, PG. 329 – NEW YORK TELEPHONE COMPANY SURRENDERS ITS RIGHTS AND PRIVILEGES ALONG EASTERLY BOUNDARY LINE TO ALEXANDER N. LEVINE, DAVID LEVINE, PHILLIP KAPLAN AND HAROLD CAGEN, D.B.A., MELVILLE INDUSTRIAL ASSOCIATES AS DESCRIBED IN LIBER 5543, PAGE 211, SHOWN.
   - (6C) ELECTRIC AND GAS AGREEMENT IN LIBER 5607, PAGE 261 – 7.5' ELECTRIC EASEMENT, AFFECTS NORTHERLY PORTION OF PROPERTY, SHOWN.
   - (6D) ELECTRIC EASEMENT IN LIBER 5923, PAGE 392 – 15' ELECTRIC EASEMENT, AFFECTS EASTERLY PORTION OF PROPERTY, SHOWN.
   - (6E) DECLARATION OF COVENANTS AND RESTRICTIONS IN LIBER 11725, PAGE 42 – ENVIRONMENTAL COVENANTS AND RESTRICTIONS, BLANKET IN NATURE, LOT 5 SHOWN.
6. BY GRAPHIC PLOTTING ONLY PROPERTY IS NOT LOCATED IN A FLOOD HAZARD ZONE PER REF. #2.
7. THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY.
8. THE OFFSETS SHOWN ARE NOT TO BE USED FOR THE CONSTRUCTION OF ANY STRUCTURE, FENCE, PERMANENT ADDITION, ETC.

REFERENCES:

1. THE OFFICIAL TAX ASSESSOR'S MAP OF THE TOWN OF HUNTINGTON, COUNTY OF SUFFOLK, STATE OF NEW YORK, DISTRICT 400, SECTION 268.
2. MAP ENTITLED, "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, SUFFOLK COUNTY, NEW YORK (ALL JURISDICTIONS), MAP INDEX – SHEET 1 OF 2, MAP NUMBER 36103C0620H," MAP REVISED: SEPTEMBER 25, 2009.
3. MAP ENTITLED, "MAP OF MELVILLE INDUSTRIAL PARK, SECTION NO. 2, SITUATED AT MELVILLE, TOWN OF HUNTINGTON, SUFFOLK, COUNTY, N.Y.," PREPARED BY BALDWIN & CORNELIUS CO., FILED IN THE SUFFOLK COUNTY CLERKS OFFICE ON AUGUST 30, 1963 AS FILE NO. 3856, ABS. NO. 4389.
4. MARKUP PLAN PROVIDED BY CLIENT, 6-9-2010. (THE ENGINEERING AND INSTITUTIONAL CONTROLS FOR THIS EASEMENT ARE SET FORTH IN THE SITE MANAGEMENT PLAN (SMP). A COPY OF THE SMP MUST BE OBTAINED BY ANY PARTY WITH AN INTEREST IN THE PROPERTY. THE SMP CAN BE OBTAINED FROM NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF ENVIRONMENTAL REMEDIATION, SITE CONTROL SECTION, 625 BROADWAY, ALBANY, NY 12233.)
5. MAP ENTITLED, "MAP OF MELVILLE INDUSTRIAL PARK, SECTION NO. 3 SITUATED AT MELVILLE, TOWN OF HUNTINGTON, SUFFOLK COUNTY," PREPARED BY BALDWIN & CORNELIUS CO., FILE NO. 3857, ABS. NO. 4390, FILED IN THE NASSAU COUNTY CLERK'S OFFICE ON AUGUST 30, 1963.
6. MAP ENTITLED, "SURVEY OF LOT 13 & PART OF LOT 14, MELVILLE INDUSTRIAL PARK, SECT. 3, SITUATE AT MELVILLE, TOWN OF HUNTINGTON, SUFFOLK CO. N.Y.," PREPARED BY HAROLD R. BAUSH, DATED OCTOBER 6, 1965, LAST REVISED DECEMBER 21, 1965.
7. MAP ENTITLED, "EXHIBIT 'C', MAP OF MELVILLE INDUSTRIAL PARK, SECTION 3, MELVILLE, TOWN OF HUNTINGTON, COUNTY OF SUFFOLK, STATE OF NEW YORK,"

No.	DESCRIPTION OF REVISION	FIELD CREW	DRAWN:	APPROVED:	DATE
3	REVISE PER FIELD UPDATE	J.C.	J.W.	J.P.L.	5-18-11
2	REVISE TO ADD CERTIFICATION LANGUAGE	--	G.M.	J.P.L.	12-21-10
1	REVISE TO ADD "SMP" LANGUAGE	--	G.M.	J.P.L.	8-23-10

FIELD DATE: 5-27-10, 5-26-10
FIELD BOOK NO.: 10-26
FIELD BOOK PG.: 86
FIELD CREW: G.A./J.O./G.E.
DRAWN: G.M.

ALTA/ACSM LAND TITLE SURVEY
METROVEST EQUITIES, INC.

35 MELVILLE PARK ROAD
LOT 5, BLOCK 1, SECTION 268, DISTRICT 400
MELVILLE, (TOWN OF HUNTINGTON), SUFFOLK COUNTY
STATE OF NEW YORK

CONTROL POINT ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NJ 07059
908.668.0099 - 908.668.9595 FAX
NEW BRITAIN CORPORATE CENTER
1600 MANOR DRIVE, SUITE 120
CHALFONT, PA 18914
215.712.9800 – 215.712.9802 FAX

REVIEWED:	APPROVED:	DATE	SCALE	FILE NO.	DWG. NO.
G.J.S.	J.P.L.	7-7-2010	1"=30'	C10100.01	1 OF 1

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT WAS BASED WERE MADE IN ACCORDANCE WITH "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS", JOINTLY ESTABLISHED AND ADOPTED BY ALTA, AND NSPS IN 2005, AND INCLUDES ITEMS 1, 2, 3, 4, 7(A), 8, 10, 11(A), 13, 14 & 19 OF TABLE A THEREOF. PURSUANT TO THE ACCURACY STANDARDS AS ADOPTED BY ALTA AND NSPS AND IN EFFECT ON THE DATE OF THIS CERTIFICATION, UNDERSIGNED FURTHER CERTIFIES THAT IN MY PROFESSIONAL OPINION, AS A LAND SURVEYOR REGISTERED IN THE STATE OF NEW YORK, THE RELATIVE POSITIONAL ACCURACY OF THIS SURVEY DOES NOT EXCEED THAT WHICH IS SPECIFIED THEREIN.

NOT A VALID ORIGINAL DOCUMENT UNLESS EMBOSSED WITH A BLUE INK SEAL

5-18-2011
DATE

JOHN P. LYNCH
NEW YORK PROFESSIONAL LAND SURVEYOR #50720

TO:
SURVEY IS CERTIFIED TO THE PEOPLE OF THE STATE OF NEW YORK ACTING THROUGH ITS COMMISSIONER OF THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, METRO ASSETS III, LLC, KAILYN REALTY I, LLC, AND TO THE TITLE COMPANY

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.

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

UTILITIES:

THE FOLLOWING COMPANIES WERE NOTIFIED BY THE STATE OF NEW YORK ONE-CALL SYSTEM (1-800-272-4480) AND REQUESTED TO MARK OUT UNDERGROUND FACILITIES AFFECTING AND SERVICING THIS SITE. THE UNDERGROUND UTILITY INFORMATION SHOWN HEREON IS BASED UPON THE UTILITY COMPANIES RESPONSE TO THIS REQUEST. SERIAL NUMBER(S): **101401035**

UTILITY COMPANY	PHONE NUMBER
AT&T CORPORATION	903-753-3145
LIGHTPOWER FIBER NY	631-363-6924
LIPA & NATIONAL GRID	631-567-7800
MCI	800-289-3427
OPEN ACCESS, INC	631-815-1132
SUFFOLK CO. DEPT. PUBLIC WORKS	631-854-4185
SOUTH HUNTINGTON WATER DISTRICT	631-427-8190
TOWN OF HUNTINGTON	631-351-3056
VERIZON COMMUNICATIONS	718-471-4206

NEW YORK CITY & L.I. ONE CALL CENTER 1-800-272-4480 STOP-CALL-THEN Dig Safely.

APPENDIX D

EC/IC CERTIFICATION

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 152102

Site Name I.W. Industries, Inc.

Site Address: 35 Melville Park Road Zip Code: 11747
City/Town: Melville
County: Suffolk
Site Acreage: 6.0

Reporting Period: June 10, 2011 to January 31, 2013

	YES	NO
1. Is the information above correct?	☑	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☑
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☑
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☑
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☑

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☑	☐
7. Are all ICs/ECs in place and functioning as designed?	☑	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 152102 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
268-1-005	Kallyn Realty I, LLC	Ground Water Use Restriction IC/EC Plan Landuse Restriction Monitoring Plan O&M Plan Site Management Plan Soil Management Plan

Box 4

Description of Engineering Controls

Parcel	Engineering Control
268-1-005	Cover System

Engineering Control Details for Site No. 152102

Parcel: 268-1-005

March 30, 2000 Record of Decision:

- Site may be used for commercial or industrial use only.
- Use of groundwater underlying the Site is prohibited without treatment rendernig it safe for the intended use.
- All future activities on the Site that will disturb the ECs are prohibited unless conducted in a manner approved by the DEC.
- Vegetable gardens and farming on the Site are prohibited.
- Free-phase product monitoring shall occur and measureable product shall be removed.
- Groundwater sampling shall be conducted every 5 quarters to monitoring site conditions.
- Certifications of Institutional and Engineering Controls shall be performed.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☑	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☑	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 152102

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I PERRY YOUNGWALL at 35 MELVILLE PK RD, MELVILLE, NY 11747
print name print business address

am certifying as OWNER (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

3/27/2013
Date

IC/EC CERTIFICATIONS

Box 7

Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Stephanie C. Davis, CPG at FPM Group, 969 Marconi Ave, Ronkonkoma, NY
print name print business address

am certifying as a QEP for the Owner
(Owner or Remedial Party)

Stephanie C. Davis, CPG, QEP — Signature of, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

4-2-13 — Date

APPENDIX E

PRODUCT MONITORING LOG

MONTHLY PRODUCT REMOVAL MONITORING LOG
I.W. INDUSTRIES, INC. SITE
35 MELVILLE PARK ROAD, MELVILLE, NEW YORK

Date	Well Number	Depth to Product (feet)	Depth to Water (feet)	Product Apparent Thickness (feet)	Notes
8/22/11	MW-7	NA	46.00	0	No sheen noted.
	MW-2	NA	46.31	0	No sheen noted.
	MW-1	NA	46.83	0	No sheen noted.
9/7/11	MW-7	NA	46.19	0	No sheen noted.
	MW-2	NA	46.51	0	No sheen noted.
	MW-1	NA	47.01	0	No sheen noted.
10/5/11	MW-7	NA	46.17	0	No sheen noted.
	MW-2	NA	46.50	0	No sheen noted.
	MW-1	NA	47.00	0	No sheen noted.
12/13/11	MW-7	NA	46.44	0	No sheen.
	MW-2	NA	46.79	0	No sheen.
	MW-1	NA	47.27	0	No sheen.
1/24/12	MW-7	NA	46.60	0	No visible sheen.
	MW-2	NA	46.67	0	No visible sheen.
	MW-1	NA	47.46	0	No visible sheen.
2/16/12	MW-7	NA	46.58	0	No visible sheen.
	MW-2	NA	46.63	0	No visible sheen.
	MW-1	NA	47.18	0	No visible sheen.
3/9/12	MW-7	NA	46.79	0	No visible sheen.
	MW-2	NA	46.85	0	No visible sheen.
	MW-1	NA	47.31	0	No visible sheen.
5/18/12	MW-7	NA	46.96	0	No visible sheen.
	MW-2	NA	47.00	0	No visible sheen.
	MW-1	NA	47.59	0	No visible sheen.

FPM

MONTHLY PRODUCT REMOVAL MONITORING LOG
I.W. INDUSTRIES, INC. SITE
35 MELVILLE PARK ROAD, MELVILLE, NEW YORK

Date	Well Number	Depth to Product (feet)	Depth to Water (feet)	Product Apparent Thickness (feet)	Notes
6/6/12	MW-7	NA	47.09	0	No sheen or odor noted.
	MW-2	NA	47.13	0	No sheen or odor noted.
	MW-1	NA	47.65	0	No sheen or odor noted.
7/20/12	MW-7	NA	47.20	0	No visible sheen.
	MW-2	NA	47.26	0	No visible sheen.
	MW-1	NA	47.76	0	No visible sheen.
12/26/12	MW-7	NA	47.45	0	No visible sheen.
	MW-2	NA	47.50	0	No visible sheen.
	MW-1	NA	47.95	0	No visible sheen.
1/31/13	MW-7	NA	47.62	0	No sheen observed.
	MW-2	NA	47.68	0	No sheen observed.
	MW-1	NA	48.18	0	No sheen observed.

APPENDIX F

SITE INSPECTION FORMS

SITE-WIDE INSPECTION FORM

I.W. INDUSTRIES
35 MELVILLE PARK ROAD
MELVILLE, NEW YORK
NYSDEC SITE NUMBER 152102

NAME OF INSPECTOR: John Bukoski
COMPANY OF INSPECTOR: EPM
DATE OF INSPECTION: 7-11-11
CURRENT USE OF SITE: Commercial
HAS A CHANGE OF USE OCCURRED SINCE THE LAST CERTIFICATION?
_____ **YES** _X_ **NO**
IF YES, THEN EXPLAIN: _____

GENERAL DESCRIPTION OF COVER: Asphalt paved

HAS THE COVER BEEN PENETRATED? _____ **YES** _X_ **NO**
IF YES, THEN EXPLAIN: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST INSPECTION? _____ **YES** _X_ **NO**
IF YES, THEN EXPLAIN: _____

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?
_____ **YES** _X_ **NO**
IF YES, THEN EXPLAIN: _____

IS ANY MAINTENANCE OF THE COVER REQUIRED?
_____ **YES** _X_ **NO**
IF YES, THEN EXPLAIN: _____

ADDITIONAL OBSERVATIONS, CONCLUSIONS OR RECCOMMENDATIONS:

* Compliance of all ICs and ECs confirmed with the exception of the absence of water in well MW-5 and well MW-8 has been inadvertenty distroyed by a truck or plow.

SITE-WIDE INSPECTION FORM

I.W. INDUSTRIES
35 MELVILLE PARK ROAD
MELVILLE, NEW YORK
NYSDEC SITE NUMBER 152102

NAME OF INSPECTOR: John Bukoski
COMPANY OF INSPECTOR: EPM
DATE OF INSPECTION: 8-22-11
CURRENT USE OF SITE: Commercial
HAS A CHANGE OF USE OCCURRED SINCE THE LAST CERTIFICATION?
_____ **YES** ___X___ **NO**
IF YES, THEN EXPLAIN: _____

GENERAL DESCRIPTION OF COVER: Asphalt -

HAS THE COVER BEEN PENETRATED? _____ **YES** ___X___ **NO**
IF YES, THEN EXPLAIN: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST INSPECTION? _____ **YES** ___X___ **NO**
IF YES, THEN EXPLAIN: _____

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?
_____ **YES** ___X___ **NO**
IF YES, THEN EXPLAIN: _____

IS ANY MAINTENANCE OF THE COVER REQUIRED?
_____ **YES** ___X___ **NO**
IF YES, THEN EXPLAIN: _____

ADDITIONAL OBSERVATIONS, CONCLUSIONS OR RECCOMMENDATIONS:

SITE-WIDE INSPECTION FORM

I.W. INDUSTRIES
35 MELVILLE PARK ROAD
MELVILLE, NEW YORK
NYSDEC SITE NUMBER 152102

NAME OF INSPECTOR: John Bukoski
COMPANY OF INSPECTOR: FPM
DATE OF INSPECTION: 9/7/11
CURRENT USE OF SITE: Commercial
HAS A CHANGE OF USE OCCURRED SINCE THE LAST CERTIFICATION?
_____ **YES** _X_ **NO**
IF YES, THEN EXPLAIN: _____

GENERAL DESCRIPTION OF COVER: Asphalt

HAS THE COVER BEEN PENETRATED? _____ **YES** _X_ **NO**
IF YES, THEN EXPLAIN: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST INSPECTION? _____ **YES** _X_ **NO**
IF YES, THEN EXPLAIN: _____

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?
_____ **YES** _X_ **NO**
IF YES, THEN EXPLAIN: _____

IS ANY MAINTENANCE OF THE COVER REQUIRED?
_____ **YES** _X_ **NO**
IF YES, THEN EXPLAIN: _____

ADDITIONAL OBSERVATIONS, CONCLUSIONS OR RECCOMMENDATIONS:

X Compliance of ECs/ICs confirmed with the following exceptions: 1) No water in well MW-5
2) well MW-8 destroyed

SITE-WIDE INSPECTION FORM

I.W. INDUSTRIES
35 MELVILLE PARK ROAD
MELVILLE, NEW YORK
NYSDEC SITE NUMBER 152102

NAME OF INSPECTOR: John Bukoski
COMPANY OF INSPECTOR: Ecin
DATE OF INSPECTION: 10/5/11
CURRENT USE OF SITE: Commercial
HAS A CHANGE OF USE OCCURRED SINCE THE LAST CERTIFICATION?
_____ **YES** __X__ **NO**
IF YES, THEN EXPLAIN: _____

GENERAL DESCRIPTION OF COVER: Asphalt

HAS THE COVER BEEN PENETRATED? _____ **YES** __X__ **NO**
IF YES, THEN EXPLAIN: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST INSPECTION? _____ **YES** __X__ **NO**
IF YES, THEN EXPLAIN: _____

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?
_____ **YES** __X__ **NO**
IF YES, THEN EXPLAIN: _____

IS ANY MAINTENANCE OF THE COVER REQUIRED?
_____ **YES** __X__ **NO**
IF YES, THEN EXPLAIN: _____

ADDITIONAL OBSERVATIONS, CONCLUSIONS OR RECCOMMENDATIONS:

SITE-WIDE INSPECTION FORM

I.W. INDUSTRIES
35 MELVILLE PARK ROAD
MELVILLE, NEW YORK
NYSDEC SITE NUMBER 152102

NAME OF INSPECTOR: John Sukoski
COMPANY OF INSPECTOR: FPM
DATE OF INSPECTION: 12/13/11
CURRENT USE OF SITE: Commercial
HAS A CHANGE OF USE OCCURRED SINCE THE LAST CERTIFICATION?
_____ YES ___X___ NO
IF YES, THEN EXPLAIN: _____

GENERAL DESCRIPTION OF COVER: Asphalt

HAS THE COVER BEEN PENETRATED? _____ YES ___X___ NO
IF YES, THEN EXPLAIN: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST INSPECTION? _____ YES ___X___ NO
IF YES, THEN EXPLAIN: _____

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?
_____ YES ___X___ NO
IF YES, THEN EXPLAIN: _____

IS ANY MAINTENANCE OF THE COVER REQUIRED?
_____ YES ___X___ NO
IF YES, THEN EXPLAIN: _____

ADDITIONAL OBSERVATIONS, CONCLUSIONS OR RECCOMMENDATIONS:

SITE-WIDE INSPECTION FORM

I.W. INDUSTRIES
35 MELVILLE PARK ROAD
MELVILLE, NEW YORK
NYSDEC SITE NUMBER 152102

NAME OF INSPECTOR: John Bukoski
COMPANY OF INSPECTOR: FPM
DATE OF INSPECTION: 1/24/12
CURRENT USE OF SITE: _____
HAS A CHANGE OF USE OCCURRED SINCE THE LAST CERTIFICATION?
_____ **YES** X **NO**
IF YES, THEN EXPLAIN: _____

GENERAL DESCRIPTION OF COVER: Asphalt

HAS THE COVER BEEN PENETRATED? _____ **YES** X **NO**
IF YES, THEN EXPLAIN: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST INSPECTION? _____ **YES** X **NO**
IF YES, THEN EXPLAIN: _____

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?
_____ **YES** X **NO**
IF YES, THEN EXPLAIN: _____

IS ANY MAINTENANCE OF THE COVER REQUIRED?
_____ **YES** X **NO**
IF YES, THEN EXPLAIN: _____

ADDITIONAL OBSERVATIONS, CONCLUSIONS OR RECCOMMENDATIONS:

SITE-WIDE INSPECTION FORM

I.W. INDUSTRIES
35 MELVILLE PARK ROAD
MELVILLE, NEW YORK
NYSDEC SITE NUMBER 152102

NAME OF INSPECTOR: John Bukoski
COMPANY OF INSPECTOR: FPM
DATE OF INSPECTION: 2/16/12
CURRENT USE OF SITE: Commercial
HAS A CHANGE OF USE OCCURRED SINCE THE LAST CERTIFICATION?
_____ YES ___✓___ NO
IF YES, THEN EXPLAIN: _____

GENERAL DESCRIPTION OF COVER: Asphalt

HAS THE COVER BEEN PENETRATED? _____YES ___✓___NO
IF YES, THEN EXPLAIN: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST INSPECTION? _____ YES ___✓___NO
IF YES, THEN EXPLAIN: _____

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?
_____YES ___✓___NO
IF YES, THEN EXPLAIN: _____

IS ANY MAINTENANCE OF THE COVER REQUIRED?
_____YES ___✓___NO
IF YES, THEN EXPLAIN: _____

ADDITIONAL OBSERVATIONS, CONCLUSIONS OR RECCOMMENDATIONS:

SITE-WIDE INSPECTION FORM

I.W. INDUSTRIES
35 MELVILLE PARK ROAD
MELVILLE, NEW YORK
NYSDEC SITE NUMBER 152102

NAME OF INSPECTOR: John Bukoski
COMPANY OF INSPECTOR: EPM
DATE OF INSPECTION: 3/9/12
CURRENT USE OF SITE: Commercial
HAS A CHANGE OF USE OCCURRED SINCE THE LAST CERTIFICATION?
_____ YES ___✓___ NO
IF YES, THEN EXPLAIN: _____

GENERAL DESCRIPTION OF COVER: Asphalt

HAS THE COVER BEEN PENETRATED? _____YES ___✓___NO
IF YES, THEN EXPLAIN: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST INSPECTION? _____ YES ___✓___NO
IF YES, THEN EXPLAIN: _____

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?
_____YES ___✓___NO
IF YES, THEN EXPLAIN: _____

IS ANY MAINTENANCE OF THE COVER REQUIRED?
_____YES ___✓___NO
IF YES, THEN EXPLAIN: _____

ADDITIONAL OBSERVATIONS, CONCLUSIONS OR RECCOMMENDATIONS:

SITE-WIDE INSPECTION FORM

I.W. INDUSTRIES
35 MELVILLE PARK ROAD
MELVILLE, NEW YORK
NYSDEC SITE NUMBER 152102

NAME OF INSPECTOR: John Bukoski
COMPANY OF INSPECTOR: EPM
DATE OF INSPECTION: 5/18/17
CURRENT USE OF SITE: Commercial
HAS A CHANGE OF USE OCCURRED SINCE THE LAST CERTIFICATION?
_____ **YES** ___✓___ **NO**
IF YES, THEN EXPLAIN: _____

GENERAL DESCRIPTION OF COVER: Asphalt

HAS THE COVER BEEN PENETRATED? _____**YES** ___✓___**NO**
IF YES, THEN EXPLAIN: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST INSPECTION? _____ **YES** ___✓___**NO**
IF YES, THEN EXPLAIN: _____

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?
_____**YES** ___✓___**NO**
IF YES, THEN EXPLAIN: _____

IS ANY MAINTENANCE OF THE COVER REQUIRED?
_____**YES** ___✓___**NO**
IF YES, THEN EXPLAIN: _____

ADDITIONAL OBSERVATIONS, CONCLUSIONS OR RECCOMMENDATIONS:

SITE-WIDE INSPECTION FORM

I.W. INDUSTRIES
35 MELVILLE PARK ROAD
MELVILLE, NEW YORK
NYSDEC SITE NUMBER 152102

NAME OF INSPECTOR: John Bukoski
COMPANY OF INSPECTOR: FPM
DATE OF INSPECTION: 6/6/12
CURRENT USE OF SITE: Commercial
HAS A CHANGE OF USE OCCURRED SINCE THE LAST CERTIFICATION?
_____ **YES** __X__ **NO**
IF YES, THEN EXPLAIN: _____

GENERAL DESCRIPTION OF COVER: Asphalt

HAS THE COVER BEEN PENETRATED? _____ **YES** __X__ **NO**
IF YES, THEN EXPLAIN: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST INSPECTION? _____ **YES** __X__ **NO**
IF YES, THEN EXPLAIN: _____

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?
_____ **YES** __X__ **NO**
IF YES, THEN EXPLAIN: _____

IS ANY MAINTENANCE OF THE COVER REQUIRED?
_____ **YES** __X__ **NO**
IF YES, THEN EXPLAIN: _____

ADDITIONAL OBSERVATIONS, CONCLUSIONS OR RECCOMMENDATIONS:

SITE-WIDE INSPECTION FORM

I.W. INDUSTRIES
35 MELVILLE PARK ROAD
MELVILLE, NEW YORK
NYSDEC SITE NUMBER 152102

NAME OF INSPECTOR: John Bukoski
COMPANY OF INSPECTOR: EPM
DATE OF INSPECTION: 7/20/12
CURRENT USE OF SITE: Commercial
HAS A CHANGE OF USE OCCURRED SINCE THE LAST CERTIFICATION?
_____ **YES** ___X___ **NO**
IF YES, THEN EXPLAIN: _____

GENERAL DESCRIPTION OF COVER: Asphalt

HAS THE COVER BEEN PENETRATED? _____ **YES** ___X___ **NO**
IF YES, THEN EXPLAIN: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST INSPECTION? _____ **YES** ___X___ **NO**
IF YES, THEN EXPLAIN: _____

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?
_____ **YES** ___X___ **NO**
IF YES, THEN EXPLAIN: _____

IS ANY MAINTENANCE OF THE COVER REQUIRED?
_____ **YES** ___X___ **NO**
IF YES, THEN EXPLAIN: _____

ADDITIONAL OBSERVATIONS, CONCLUSIONS OR RECCOMMENDATIONS:

* Compliance of Site ICs and ECs confirmed with the exception of destroyed well MW-8

SITE-WIDE INSPECTION FORM

I.W. INDUSTRIES
35 MELVILLE PARK ROAD
MELVILLE, NEW YORK
NYSDEC SITE NUMBER 152102

NAME OF INSPECTOR: John Bukoski
COMPANY OF INSPECTOR: FPM
DATE OF INSPECTION: 11/12/12
CURRENT USE OF SITE: Commercial
HAS A CHANGE OF USE OCCURRED SINCE THE LAST CERTIFICATION?
_____ **YES** __X__ **NO**
IF YES, THEN EXPLAIN: _____

GENERAL DESCRIPTION OF COVER: Asphalt, no disturbances

HAS THE COVER BEEN PENETRATED? _____ **YES** __X__ **NO**
IF YES, THEN EXPLAIN: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST INSPECTION? _____ **YES** __X__ **NO**
IF YES, THEN EXPLAIN: _____

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?
_____ **YES** __X__ **NO**
IF YES, THEN EXPLAIN: _____

IS ANY MAINTENANCE OF THE COVER REQUIRED?
_____ **YES** __X__ **NO**
IF YES, THEN EXPLAIN: _____

ADDITIONAL OBSERVATIONS, CONCLUSIONS OR RECCOMMENDATIONS:
POST Hurricane Sandy inspection, no visible damage from storm.

SITE-WIDE INSPECTION FORM

I.W. INDUSTRIES
35 MELVILLE PARK ROAD
MELVILLE, NEW YORK
NYSDEC SITE NUMBER 152102

NAME OF INSPECTOR: John Pukoski
COMPANY OF INSPECTOR: EPM
DATE OF INSPECTION: 12/26/17
CURRENT USE OF SITE: Commercial
HAS A CHANGE OF USE OCCURRED SINCE THE LAST CERTIFICATION?
_____ **YES** ___X___ **NO**
IF YES, THEN EXPLAIN: _____

GENERAL DESCRIPTION OF COVER: Asphalt

HAS THE COVER BEEN PENETRATED? _____ **YES** ___X___ **NO**
IF YES, THEN EXPLAIN: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST INSPECTION? _____ **YES** ___X___ **NO**
IF YES, THEN EXPLAIN: _____

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?
_____ **YES** ___X___ **NO**
IF YES, THEN EXPLAIN: _____

IS ANY MAINTENANCE OF THE COVER REQUIRED?
_____ **YES** ___X___ **NO**
IF YES, THEN EXPLAIN: _____

ADDITIONAL OBSERVATIONS, CONCLUSIONS OR RECCOMMENDATIONS:

* All ICs and ECs in compliance with the exception of missing well MW-8 and ~~dapp~~ dry condition of well MW-5.

SITE-WIDE INSPECTION FORM

I.W. INDUSTRIES
35 MELVILLE PARK ROAD
MELVILLE, NEW YORK
NYSDEC SITE NUMBER 152102

NAME OF INSPECTOR: John Bukoski
COMPANY OF INSPECTOR: EPM
DATE OF INSPECTION: 1/31/13
CURRENT USE OF SITE: Commercial
HAS A CHANGE OF USE OCCURRED SINCE THE LAST CERTIFICATION?
_____ **YES** __X__ **NO**
IF YES, THEN EXPLAIN: _____

GENERAL DESCRIPTION OF COVER: Asphalt

HAS THE COVER BEEN PENETRATED? _____ **YES** __X__ **NO**
IF YES, THEN EXPLAIN: _____

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST INSPECTION? _____ **YES** __X__ **NO**
IF YES, THEN EXPLAIN: _____

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?
_____ **YES** __X__ **NO**
IF YES, THEN EXPLAIN: _____

IS ANY MAINTENANCE OF THE COVER REQUIRED?
_____ **YES** __X__ **NO**
IF YES, THEN EXPLAIN: _____

ADDITIONAL OBSERVATIONS, CONCLUSIONS OR RECCOMMENDATIONS:

* Compliance of ICs and ECs confirmed except:
1) No sampling performed at well MW-5 (dry)
2) Well MW-8 was destroyed

APPENDIX G

GROUNDWATER SAMPLING FORMS

WELL SAMPLING DATA FORM

Project: 1W1

Location: 35 MPR

Well No.: MW-1 Well Diameter: 4"

Date: 7/11/11 Start Time: _____

Weather: Clear 80°F Finish Time: _____

Sampled By: JB/AM

Depth to Bottom of Well: 52.50 Feet.

Depth to Water: 46.80 Feet.

Height of Water Column: 5.70 Feet.

Water Volume in Casing: 3.70 Gallons.

Water Volume to be Purged: 11.1 Gallons.

Water Volume Actually Purged: 11.5 Gallons.

Purge Method: Low flow sub. pump

Physical Appearance/Comments: _____

FIELD MEASUREMENTS:

Time	Gallons	pH	Cond. (uS)	Temp. (°F)	Turbidity (NTU)
	5	6.41	201	16.7	242
	8	6.01	190	15.9	142
	11.5	6.05	188	16.0	110

Sampling and Analytical Methods: VOCs/SVOCs/metals

Laboratory Name and Location: TestAmerica - CT

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FPM

WELL SAMPLING DATA FORM

Project: JW1

Location: 35 MPR

Well No.: MW-2 Well Diameter: 4"

Date: 7/11/11 Start Time: _____

Weather: Clear 80°F Finish Time: _____

Sampled By: JB / AM

Depth to Bottom of Well: 53 Feet.

Depth to Water: 46.28 Feet.

Height of Water Column: 6.72 Feet.

Water Volume in Casing: 4.3 Gallons.

Water Volume to be Purged: 12.9 Gallons.

Water Volume Actually Purged: 13 Gallons.

Purge Method: Low flow sub. pump

Physical Appearance/Comments: _____

FIELD MEASUREMENTS:

Time	Gallons	pH	Cond. (uS)	Temp. (°F)	Turbidity (NTU)
	5	6.71	180	17.0	173
	9	6.17	161	16.3	371
	13	6.13	160	16.4	200

Sampling and Analytical Methods: VOCs/SVOCs/metals

Laboratory Name and Location: TestAmerica - CT

FPM

WELL SAMPLING DATA FORM

Project: IW

Location: 35 MPR

Well No.: mw-3 Well Diameter: 4"

Date: 7/11/11 Start Time: _____

Weather: 80° Sunny Finish Time: _____

Sampled By: JB/AM

Depth to Bottom of Well: 48.0 Feet.

Depth to Water: 45.81 Feet.

Height of Water Column: 2.19 Feet.

Water Volume in Casing: 1.42 Gallons.

Water Volume to be Purged: 4.27 Gallons.

Water Volume Actually Purged: 5 Gallons.

Purge Method: Low flow sub. pump

Physical Appearance/Comments: _____

FIELD MEASUREMENTS:

Time	Gallons	pH	Cond. (uS)	Temp. (°F)	Turbidity (NTU)
	1.5	6.27	137	17.1	201
	3	6.01	159	16.5	59
	5	6.08	160	16.3	37

Sampling and Analytical Methods: Baier VOCs, SVOCs, Metals

Laboratory Name and Location: Test America - CT

FPM

WELL SAMPLING DATA FORM

Project: IW1

Location: 35 MPR

Well No.: MW-4 Well Diameter: 4"

Date: 7/11/11 Start Time: _____

Weather: 80° Sunny Finish Time: _____

Sampled By: AM/JB

Depth to Bottom of Well: 48.3 Feet.

Depth to Water: 46.37 Feet.

Height of Water Column: 1.93 Feet.

Water Volume in Casing: 1.25 Gallons.

Water Volume to be Purged: 3.76 Gallons.

Water Volume Actually Purged: 4 Gallons.

Purge Method: Low flow Sub pump

Physical Appearance/Comments: _____

FIELD MEASUREMENTS:

Time	Gallons	pH	Cond. (uS)	Temp. (°F)	Turbidity (NTU)
	1.5	6.61	161	16.1	73
	3	6.27	147	15.9	29
	4	6.10	148	15.8	31

Sampling and Analytical Methods: Bailer VOCs, SVOCs, Metals

Laboratory Name and Location: Test America - CT

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FPM

WELL SAMPLING DATA FORM

Project: IW

Location: 35 MPR

Well No.: mw-6 Well Diameter: 4"

Date: 7/11/11 Start Time: _____

Weather: 80° Sunny Finish Time: _____

Sampled By: SB/AM

Depth to Bottom of Well: 52 Feet.

Depth to Water: 44.93 Feet.

Height of Water Column: 7.07 Feet.

Water Volume in Casing: 4.60 Gallons.

Water Volume to be Purged: 13.79 Gallons.

Water Volume Actually Purged: 14 Gallons.

Purge Method: Sub Pump

Physical Appearance/Comments: _____

FIELD MEASUREMENTS:

Time	Gallons	pH	Cond. (uS)	Temp. (°F)	Turbidity (NTU)
	5	5.97	197	17.3	13
	10	6.59	176	16.4	27
	14	6.50	174	16.2	22

Sampling and Analytical Methods: Bailer VOCs, SVOCs, Metals

Laboratory Name and Location: TestAmerica-CT

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FPM

WELL SAMPLING DATA FORM

Project: IWI

Location: 35 MPR

Well No.: MW-7 Well Diameter: 4"

Date: 7/11/11 Start Time: _____

Weather: Clear 80°F Finish Time: _____

Sampled By: AM/JB

Depth to Bottom of Well: 52.33 Feet.

Depth to Water: 45.97 Feet.

Height of Water Column: 6.36 Feet.

Water Volume in Casing: 4.1 Gallons.

Water Volume to be Purged: 12.3 Gallons.

Water Volume Actually Purged: 12.5 Gallons.

Purge Method: Sub. pump

Physical Appearance/Comments: _____

FIELD MEASUREMENTS:

Time	Gallons	pH	Cond. (uS)	Temp. (°F)	Turbidity (NTU)
	5				
	8				
	12.5				

Sampling and Analytical Methods: Bailer VOCs, SVOCs, Metals

Laboratory Name and Location: Test America - CT

FPM

WELL SAMPLING DATA FORM

Project: IW.

Location: 35 Melville Park Rd

Well No.: MW-9 Well Diameter: 4"

Date: 7/11/11 Start Time: _____

Weather: 80° Sunny Finish Time: _____

Sampled By: JB/AM

Depth to Bottom of Well: 52.00 Feet.

Depth to Water: 47.30 Feet.

Height of Water Column: 4.70 Feet.

Water Volume in Casing: 3.06 Gallons.

Water Volume to be Purged: 9.17 Gallons.

Water Volume Actually Purged: 10 Gallons.

Purge Method: Sub Pump

Physical Appearance/Comments: _____

FIELD MEASUREMENTS:

Time	Gallons	pH	Cond. (uS)	Temp. (°C)	Turbidity (NTU)
	3	6.50	189	16.9	17
	6	6.32	167	16.5	39
	10	6.25	165	16.3	24

Sampling and Analytical Methods: Bailer VOCs, SVOCs, metals

Laboratory Name and Location: Test America - CT

FPM

WELL SAMPLING DATA FORM

Project: IWI

Location: 35 MPR

Well No.: MW-10 Well Diameter: 4"

Date: 7/11/11 Start Time: _____

Weather: 80° Sunny Finish Time: _____

Sampled By: JB/AM

Depth to Bottom of Well: 58 Feet.

Depth to Water: 46.40 Feet.

Height of Water Column: 11.6 Feet.

Water Volume in Casing: 7.54 Gallons.

Water Volume to be Purged: 22.6 Gallons.

Water Volume Actually Purged: 23 Gallons.

Purge Method: Submersible pump

Physical Appearance/Comments: _____

FIELD MEASUREMENTS:

Time	Gallons	pH	Cond. (uS)	Temp. (°F)	Turbidity (NTU)
	8	5.99	178	17.5	22
	16	6.21	160	16.2	59
	23	6.28	160	16.0	37

Sampling and Analytical Methods: VOCs/SVOCs/metals

Laboratory Name and Location: TestAmerica - CT

FPM

WELL SAMPLING DATA FORM

Project: Kailyn

Location: 35 MPR, Melville

Well No.: MW-1 Well Diameter: 4"

Date: 1/31/13 Start Time: _____

Weather: P. cloudy 30°F Finish Time: _____

Sampled By: JB/GH

Depth to Bottom of Well: 52.50 Feet.

Depth to Water: 48.18 Feet.

Height of Water Column: 4.32 Feet.

Water Volume in Casing: 2.8 Gallons.

Water Volume to be Purged: 8.4 Gallons.

Water Volume Actually Purged: 9 Gallons.

Purge Method: Low flow sub. pump

Physical Appearance/Comments: _____

FIELD MEASUREMENTS:

Time	Gallons	pH	Cond. (uS)	Temp. (°F)	Turbidity (NTU)
	3	6.43	150	14.2	26.62
	6	6.31	143	14.1	26.0
	9	6.30	142	14.0	25.50

Sampling and Analytical Methods: Baker - VOCs SVOCs Metals

Laboratory Name and Location: TestAmerica - CT

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FPM

WELL SAMPLING DATA FORM

Project: INI

Location: 35 MPR

Well No.: MW-2 Well Diameter: 4"

Date: 1/31/13 Start Time: _____

Weather: P. cloudy 30°F Finish Time: _____

Sampled By: JB/GH

Depth to Bottom of Well: 53 Feet.

Depth to Water: 47.68 Feet.

Height of Water Column: 5.32 Feet.

Water Volume in Casing: 3.45 Gallons.

Water Volume to be Purged: 10.3 Gallons.

Water Volume Actually Purged: 11 Gallons.

Purge Method: Low flow sub. pump

Physical Appearance/Comments: _____

FIELD MEASUREMENTS:

Time	Gallons	pH	Cond. (uS)	Temp. (°F)	Turbidity (NTU)
	4	6.30	201	14.5	>1000
	8	6.36	192	16.0	
	11	6.45	182	15.9	371

Sampling and Analytical Methods: Baker VOCs, SVOCs, Metals

Laboratory Name and Location: TestAmerica – CT

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FPM

WELL SAMPLING DATA FORM

Project: Kailyn Realty

Location: 35 MPR, Melville

Well No.: MW-3 Well Diameter: 4 inch

Date: 1/31/13 Start Time: _____

Weather: P. Cloudy 30°F Finish Time: _____

Sampled By: JB/GH

Depth to Bottom of Well: 48.71 Feet.

Depth to Water: 47.20 Feet.

Height of Water Column: 1.51 Feet.

Water Volume in Casing: 0.98 Gallons.

Water Volume to be Purged: 3 Gallons.

Water Volume Actually Purged: 3 Gallons.

Purge Method: Hand bailed

Physical Appearance/Comments: Well purged until dry

FIELD MEASUREMENTS:

Time	Gallons	pH	Cond. (uS)	Temp. (°F)	Turbidity (NTU)
	1	6.43	142	14.2	26.62
	2	6.01	148	15.0	168.2
	3	6.09	140	14.9	74

Sampling and Analytical Methods: Bailer VOCs, SVOCs, Metals

Laboratory Name and Location: Test America - CT

FPM

WELL SAMPLING DATA FORM

Project: Kailyn

Location: 35 MPR (IWI)

Well No.: MW-7 Well Diameter: 4"

Date: 1/31/13 Start Time: _____

Weather: P. Cloudy 30°F Finish Time: _____

Sampled By: JB/CH

Depth to Bottom of Well: 52.33 Feet.

Depth to Water: 47.62 Feet.

Height of Water Column: 4.71 Feet.

Water Volume in Casing: 3.06 Gallons.

Water Volume to be Purged: 9.2 Gallons.

Water Volume Actually Purged: 10 Gallons.

Purge Method: bailer

Physical Appearance/Comments: _____

FIELD MEASUREMENTS:

Time	Gallons	pH	Cond. (uS)	Temp. (°F)	Turbidity (NTU)
	3	5.98	378	16.4	47
	6	6.05	317	16.2	59
	10	5.93	294	16.1	61

Sampling and Analytical Methods: Bailer VOCs, SVOCs, Metals

Laboratory Name and Location: TestAmerica - CT

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FPM

APPENDIX H

LABORATORY REPORTS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-15975-1

SDG Number:

Job Description: IW Industries

For:
FPM Group Limited
909 Marconi Avenue
Ronkonkoma, NY 11779

Attention: Mr. John Bukoski

Approved for release.
Cheryl Cascella
Project Manager I
7/27/2011 1:04 PM

Designee for
Jackie Trudell
Project Manager I
jackie.trudell@testamericainc.com
07/27/2011

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

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

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

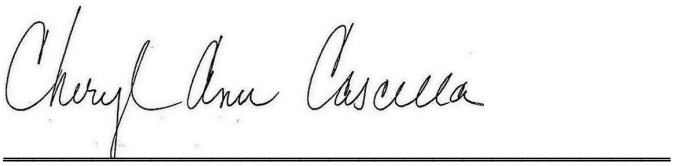
ACCREDITED IN ACCORDANCE WITH nelac

Job Number: 220-15975-1

SDG Number:

Job Description: IW Industries

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



Approved for release.
Cheryl Cascella
Project Manager I
7/27/2011 1:04 PM

Designee for
Jackie Trudell

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Job Narrative
220-15975-1

Comments
No additional comments.

Receipt
The following Trip Blank sample was received with headspace in 3 of 3 vials: TRIP BLANK (220-15975-11). The expiration date for this Trip Blank is 01/21/11 and may be a contributing factor. The client was contacted on 7/13/11 and the laboratory was instructed to proceed with analysis.

The following volatile sample was received with headspace in 1 of 3 sample vial(s) and was not used for analysis: MW-9 (220-15975-2)

Received one unlabeled nitric acid preserved container. The lab did not recevive a nitric container for sample FB0711. The client was contacted and instructed the lab to assume that the unlabeled container is sample FB0711.

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

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

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

Metals
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

FORMULAS FOR NYSDEC SAMPLE CALCULATIONS

Volatiles

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

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

SemiVolatiles

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

Pesticides

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

PCBs for compound/retention time

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

DRO/CTETPH

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

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

SAMPLE SUMMARY

Client: FPM Group Limited

Job Number: 220-15975-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-15975-1FB	FB 0711	Water	07/11/2011 0950	07/12/2011 1935
220-15975-2	MW-9	Water	07/11/2011 1010	07/12/2011 1935
220-15975-3	MW-4	Water	07/11/2011 1055	07/12/2011 1935
220-15975-4	MW-4D	Water	07/11/2011 1100	07/12/2011 1935
220-15975-5	MW-7	Water	07/11/2011 1230	07/12/2011 1935
220-15975-6	MW-3	Water	07/11/2011 1255	07/12/2011 1935
220-15975-7	MW-2	Water	07/11/2011 1400	07/12/2011 1935
220-15975-8	MW-10	Water	07/11/2011 1500	07/12/2011 1935
220-15975-8MS	MW-10	Water	07/11/2011 1500	07/12/2011 1935
220-15975-8MSD	MW-10	Water	07/11/2011 1500	07/12/2011 1935
220-15975-9	MW-1	Water	07/11/2011 1540	07/12/2011 1935
220-15975-10	MW-6	Water	07/11/2011 1600	07/12/2011 1935
220-15975-11TB	TRIP BLANK	Water	07/11/2011 0950	07/12/2011 1935

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
220-15975-1FB	**FB 0711**					
Methylene Chloride		1.3	J B	5.0	ug/L	8260B
Arsenic		5.0	J	15.0	ug/L	6010B
220-15975-2	**MW-9**					
Aluminum		2590		250	ug/L	6010B
Barium		89.9		5.0	ug/L	6010B
Calcium		13300		500	ug/L	6010B
Cobalt		1.7	J	5.0	ug/L	6010B
Chromium		1.9	J	5.0	ug/L	6010B
Copper		6.4	J	10.0	ug/L	6010B
Iron		107	J	125	ug/L	6010B
Potassium		4580		500	ug/L	6010B
Magnesium		2830		500	ug/L	6010B
Manganese		81.6		8.0	ug/L	6010B
Sodium		34500		500	ug/L	6010B
Nickel		3.8	J	5.0	ug/L	6010B
Zinc		12.7	J	25.0	ug/L	6010B
220-15975-3	**MW-4**					
Bis(2-ethylhexyl) phthalate		0.70	J B	4.4	ug/L	8270C
Aluminum		18.2	J	250	ug/L	6010B
Arsenic		5.8	J	15.0	ug/L	6010B
Barium		143		5.0	ug/L	6010B
Calcium		17500		500	ug/L	6010B
Cobalt		5.0		5.0	ug/L	6010B
Iron		14100		125	ug/L	6010B
Potassium		2640		500	ug/L	6010B
Magnesium		3860		500	ug/L	6010B
Manganese		413		8.0	ug/L	6010B
Sodium		29300		500	ug/L	6010B
Nickel		3.7	J	5.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
220-15975-4	**MW-4D**					
Chlorobenzene		2.5	J	5.0	ug/L	8260B
Aluminum		16.5	J	250	ug/L	6010B
Barium		143		5.0	ug/L	6010B
Calcium		17700		500	ug/L	6010B
Cobalt		4.9	J	5.0	ug/L	6010B
Iron		14400		125	ug/L	6010B
Potassium		2640		500	ug/L	6010B
Magnesium		3890		500	ug/L	6010B
Manganese		419		8.0	ug/L	6010B
Sodium		30100		500	ug/L	6010B
Nickel		3.3	J	5.0	ug/L	6010B
220-15975-5	**MW-7**					
Benzo[b]fluoranthene		0.54	J	4.2	ug/L	8270C
Bis(2-ethylhexyl) phthalate		0.78	J B	4.2	ug/L	8270C
Chrysene		0.46	J	4.2	ug/L	8270C
1,2-Dichlorobenzene		0.67	J	4.2	ug/L	8270C
1,3-Dichlorobenzene		1.1	J	4.2	ug/L	8270C
1,4-Dichlorobenzene		6.0		4.2	ug/L	8270C
Fluoranthene		0.66	J	4.2	ug/L	8270C
Phenanthrene		0.33	J	4.2	ug/L	8270C
Pyrene		0.58	J	4.2	ug/L	8270C
Aluminum		453		250	ug/L	6010B
Arsenic		4.8	J	15.0	ug/L	6010B
Barium		77.1		5.0	ug/L	6010B
Calcium		12500		500	ug/L	6010B
Chromium		1.2	J	5.0	ug/L	6010B
Copper		36.0		10.0	ug/L	6010B
Iron		11100		125	ug/L	6010B
Potassium		2230		500	ug/L	6010B
Magnesium		4910		500	ug/L	6010B
Manganese		128		8.0	ug/L	6010B
Sodium		32200		500	ug/L	6010B
Lead		9.8	J	15.0	ug/L	6010B
Vanadium		1.8	J	5.0	ug/L	6010B
Zinc		44.9		25.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
220-15975-6	**MW-3**					
Tetrachloroethene		0.99	J	5.0	ug/L	8260B
Bis(2-ethylhexyl) phthalate		2.8	J B	4.2	ug/L	8270C
1,2-Dichlorobenzene		1.3	J	4.2	ug/L	8270C
1,4-Dichlorobenzene		0.69	J	4.2	ug/L	8270C
Aluminum		48.1	J	250	ug/L	6010B
Barium		32.2	B	5.0	ug/L	6010B
Calcium		24800		500	ug/L	6010B
Copper		2.8	J	10.0	ug/L	6010B
Iron		23100		125	ug/L	6010B
Potassium		3620		500	ug/L	6010B
Magnesium		4700		500	ug/L	6010B
Manganese		336	B	8.0	ug/L	6010B
Sodium		23200		500	ug/L	6010B
220-15975-7	**MW-2**					
Bis(2-ethylhexyl) phthalate		2.8	J B	4.2	ug/L	8270C
1,2-Dichlorobenzene		0.80	J	4.2	ug/L	8270C
1,4-Dichlorobenzene		1.1	J	4.2	ug/L	8270C
Aluminum		46.9	J	250	ug/L	6010B
Barium		51.7	B	5.0	ug/L	6010B
Calcium		86300		500	ug/L	6010B
Cobalt		1.2	J	5.0	ug/L	6010B
Copper		2.1	J	10.0	ug/L	6010B
Iron		15900		125	ug/L	6010B
Potassium		11100		500	ug/L	6010B
Magnesium		7930		500	ug/L	6010B
Manganese		300	B	8.0	ug/L	6010B
Sodium		68100		500	ug/L	6010B
Vanadium		2.4	J	5.0	ug/L	6010B
220-15975-8	**MW-10**					
Barium		234	B	5.0	ug/L	6010B
Calcium		13900		500	ug/L	6010B
Iron		37.0	J	125	ug/L	6010B
Potassium		2500		500	ug/L	6010B
Magnesium		3540		500	ug/L	6010B
Manganese		82.5	B	8.0	ug/L	6010B
Sodium		39900		500	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
220-15975-9	**MW-1**					
Bis(2-ethylhexyl) phthalate		2.7	J B	4.2	ug/L	8270C
1,2-Dichlorobenzene		2.5	J	4.2	ug/L	8270C
1,3-Dichlorobenzene		0.48	J	4.2	ug/L	8270C
1,4-Dichlorobenzene		4.2		4.2	ug/L	8270C
Aluminum		25.5	J	250	ug/L	6010B
Barium		37.9	B	5.0	ug/L	6010B
Calcium		14300		500	ug/L	6010B
Cobalt		1.6	J	5.0	ug/L	6010B
Chromium		0.57	J	5.0	ug/L	6010B
Copper		1.6	J	10.0	ug/L	6010B
Iron		24200		125	ug/L	6010B
Potassium		2630		500	ug/L	6010B
Magnesium		3800		500	ug/L	6010B
Manganese		410	B	8.0	ug/L	6010B
Sodium		33000		500	ug/L	6010B
Nickel		1.6	J	5.0	ug/L	6010B
Lead		2.9	J	15.0	ug/L	6010B
Zinc		5.1	J	25.0	ug/L	6010B
220-15975-10	**MW-6**					
Aluminum		75.2	J	250	ug/L	6010B
Barium		26.6	B	5.0	ug/L	6010B
Calcium		6960		500	ug/L	6010B
Iron		130		125	ug/L	6010B
Potassium		946		500	ug/L	6010B
Magnesium		1650		500	ug/L	6010B
Manganese		15.7	B	8.0	ug/L	6010B
Sodium		14800		500	ug/L	6010B
220-15975-11TB	**TRIP BLANK**					
Methylene Chloride		1.2	J B	5.0	ug/L	8260B

METHOD SUMMARY

Client: FPM Group Limited Job Number: 220-15975-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
TCL VOA	TAL CT	SW846 8260B	
Purge and Trap	TAL CT		SW846 5030B
SVOC	TAL CT	SW846 8270C	
Liquid-Liquid Extraction (Separatory Funnel)	TAL CT		SW846 3510C
TAL Metals	TAL CT	SW846 6010B	
Preparation, Total Metals	TAL CT		SW846 3010A
Mercury	TAL CT	SW846 7470A	
Preparation, Mercury	TAL CT		SW846 7470A

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

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

METHOD / ANALYST SUMMARY

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Method	Analyst	Analyst ID
SW846 8260B	Kostrzewska, Barbara	BK
SW846 8260B	Lynch, Eon	EL
SW846 8270C	Jonas, Stephan	SJ
SW846 6010B	Petronchak, Nestor	NP
SW846 7470A	Voytek, Joseph F	JFV

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: FB 0711

Lab Sample ID: 220-15975-1FB
Client Matrix: Water

Date Sampled: 07/11/2011 0950
Date Received: 07/12/2011 1935

8260B TCL VOA

Analysis Method:	8260B	Analysis Batch:	220-52998	Instrument ID:	MSL
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	L0404.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/18/2011 2155			Final Weight/Volume:	5 mL
Prep Date:	07/18/2011 2155				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	1.3	J B	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	72		65 - 136
4-Bromofluorobenzene	72		51 - 142
Dibromofluoromethane	75		68 - 132
Toluene-d8 (Surr)	74		63 - 127

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: **MW-9**

Lab Sample ID: 220-15975-2
Client Matrix: Water

Date Sampled: 07/11/2011 1010
Date Received: 07/12/2011 1935

8260B TCL VOA

Analysis Method:	8260B	Analysis Batch:	220-52998	Instrument ID:	MSL
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	L0410.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/19/2011 0022			Final Weight/Volume:	5 mL
Prep Date:	07/19/2011 0022				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	67		65 - 136
4-Bromofluorobenzene	70		51 - 142
Dibromofluoromethane	70		68 - 132
Toluene-d8 (Surr)	70		63 - 127

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-4

Lab Sample ID: 220-15975-3
Client Matrix: Water

Date Sampled: 07/11/2011 1055
Date Received: 07/12/2011 1935

8260B TCL VOA

Analysis Method:	8260B	Analysis Batch:	220-52998	Instrument ID:	MSL
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	L0411.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/19/2011 0046			Final Weight/Volume:	5 mL
Prep Date:	07/19/2011 0046				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	68		65 - 136
4-Bromofluorobenzene	68		51 - 142
Dibromofluoromethane	71		68 - 132
Toluene-d8 (Surr)	71		63 - 127

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: **MW-4D**

Lab Sample ID: 220-15975-4
Client Matrix: Water

Date Sampled: 07/11/2011 1100
Date Received: 07/12/2011 1935

8260B TCL VOA

Analysis Method:	8260B	Analysis Batch:	220-53156	Instrument ID:	MSV
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	V2448.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/21/2011 1338			Final Weight/Volume:	5 mL
Prep Date:	07/21/2011 1338				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	2.5	J	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U *	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U *	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		65 - 136
4-Bromofluorobenzene	77		51 - 142
Dibromofluoromethane	101		68 - 132
Toluene-d8 (Surr)	81		63 - 127

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-7

Lab Sample ID: 220-15975-5
Client Matrix: Water

Date Sampled: 07/11/2011 1230
Date Received: 07/12/2011 1935

8260B TCL VOA

Analysis Method:	8260B	Analysis Batch:	220-52998	Instrument ID:	MSL
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	L0413.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/19/2011 0134			Final Weight/Volume:	5 mL
Prep Date:	07/19/2011 0134				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	67		65 - 136
4-Bromofluorobenzene	73		51 - 142
Dibromofluoromethane	73		68 - 132
Toluene-d8 (Surr)	72		63 - 127

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: **MW-3**

Lab Sample ID: 220-15975-6
Client Matrix: Water

Date Sampled: 07/11/2011 1255
Date Received: 07/12/2011 1935

8260B TCL VOA

Analysis Method:	8260B	Analysis Batch:	220-52998	Instrument ID:	MSL
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	L0414.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/19/2011 0158			Final Weight/Volume:	5 mL
Prep Date:	07/19/2011 0158				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	0.99	J	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	67		65 - 136
4-Bromofluorobenzene	70		51 - 142
Dibromofluoromethane	73		68 - 132
Toluene-d8 (Surr)	71		63 - 127

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: **MW-2**

Lab Sample ID: 220-15975-7
Client Matrix: Water

Date Sampled: 07/11/2011 1400
Date Received: 07/12/2011 1935

8260B TCL VOA

Analysis Method:	8260B	Analysis Batch:	220-52998	Instrument ID:	MSL
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	L0415.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/19/2011 0223			Final Weight/Volume:	5 mL
Prep Date:	07/19/2011 0223				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	71		65 - 136
4-Bromofluorobenzene	75		51 - 142
Dibromofluoromethane	74		68 - 132
Toluene-d8 (Surr)	76		63 - 127

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-10

Lab Sample ID: 220-15975-8
Client Matrix: Water

Date Sampled: 07/11/2011 1500
Date Received: 07/12/2011 1935

8260B TCL VOA

Analysis Method:	8260B	Analysis Batch:	220-52998	Instrument ID:	MSL
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	L0416.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/19/2011 0247			Final Weight/Volume:	5 mL
Prep Date:	07/19/2011 0247				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	66		65 - 136
4-Bromofluorobenzene	68		51 - 142
Dibromofluoromethane	71		68 - 132
Toluene-d8 (Surr)	72		63 - 127

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-1

Lab Sample ID: 220-15975-9
Client Matrix: Water

Date Sampled: 07/11/2011 1540
Date Received: 07/12/2011 1935

8260B TCL VOA

Analysis Method:	8260B	Analysis Batch:	220-52998	Instrument ID:	MSL
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	L0417.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/19/2011 0311			Final Weight/Volume:	5 mL
Prep Date:	07/19/2011 0311				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	69		65 - 136
4-Bromofluorobenzene	72		51 - 142
Dibromofluoromethane	73		68 - 132
Toluene-d8 (Surr)	71		63 - 127

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-6

Lab Sample ID: 220-15975-10
Client Matrix: Water

Date Sampled: 07/11/2011 1600
Date Received: 07/12/2011 1935

8260B TCL VOA

Analysis Method:	8260B	Analysis Batch:	220-52998	Instrument ID:	MSL
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	L0418.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/19/2011 0335			Final Weight/Volume:	5 mL
Prep Date:	07/19/2011 0335				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	67		65 - 136
4-Bromofluorobenzene	71		51 - 142
Dibromofluoromethane	72		68 - 132
Toluene-d8 (Surr)	71		63 - 127

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 220-15975-11TB
Client Matrix: Water

Date Sampled: 07/11/2011 0950
Date Received: 07/12/2011 1935

8260B TCL VOA

Analysis Method:	8260B	Analysis Batch:	220-52998	Instrument ID:	MSL
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	L0405.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/18/2011 2220			Final Weight/Volume:	5 mL
Prep Date:	07/18/2011 2220				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	1.2	J B	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	68		65 - 136
4-Bromofluorobenzene	67		51 - 142
Dibromofluoromethane	72		68 - 132
Toluene-d8 (Surr)	70		63 - 127

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: FB 0711

Lab Sample ID: 220-15975-1FB
Client Matrix: Water

Date Sampled: 07/11/2011 0950
Date Received: 07/12/2011 1935

8270C SVOC

Analysis Method:	8270C	Analysis Batch:	220-52963	Instrument ID:	MSZ
Prep Method:	3510C	Prep Batch:	220-52864	Lab File ID:	Z21692.D
Dilution:	1.0			Initial Weight/Volume:	920 mL
Analysis Date:	07/18/2011 1156			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.3	U	0.34	4.3
Acenaphthylene	4.3	U	0.37	4.3
Anthracene	4.3	U	0.32	4.3
Benzo[a]anthracene	4.3	U	0.33	4.3
Benzo[a]pyrene	4.3	U	0.38	4.3
Benzo[b]fluoranthene	4.3	U	0.39	4.3
Benzo[g,h,i]perylene	4.3	U	0.39	4.3
Benzo[k]fluoranthene	4.3	U	0.43	4.3
Bis(2-chloroethoxy)methane	4.3	U	0.34	4.3
Bis(2-chloroethyl)ether	4.3	U	0.32	4.3
Bis(2-ethylhexyl) phthalate	4.3	U	0.59	4.3
Butyl benzyl phthalate	4.3	U	0.38	4.3
Carbazole	4.3	U	0.36	4.3
Chrysene	4.3	U	0.27	4.3
Di-n-butyl phthalate	4.3	U	0.38	4.3
Di-n-octyl phthalate	4.3	U	0.41	4.3
4-Bromophenyl phenyl ether	4.3	U	0.48	4.3
4-Chloroaniline	4.3	U	0.32	4.3
2-Chloronaphthalene	4.3	U	0.42	4.3
4-Chlorophenyl phenyl ether	4.3	U	0.38	4.3
Dibenz(a,h)anthracene	4.3	U	0.41	4.3
Dibenzofuran	4.3	U	0.47	4.3
Diethyl phthalate	4.3	U	0.47	4.3
Dimethyl phthalate	4.3	U	0.41	4.3
1,2-Dichlorobenzene	4.3	U	0.34	4.3
1,3-Dichlorobenzene	4.3	U	0.27	4.3
1,4-Dichlorobenzene	4.3	U	0.34	4.3
3,3'-Dichlorobenzidine	4.3	U	0.39	4.3
2,4-Dinitrotoluene	4.3	U	0.43	4.3
2,6-Dinitrotoluene	4.3	U	0.28	4.3
Fluoranthene	4.3	U	0.34	4.3
Fluorene	4.3	U	0.28	4.3
Hexachlorobenzene	4.3	U	0.36	4.3
Hexachlorobutadiene	4.3	U	0.22	4.3
Hexachlorocyclopentadiene	4.3	U	0.38	4.3
Hexachloroethane	4.3	U	0.40	4.3
Indeno[1,2,3-cd]pyrene	4.3	U	0.30	4.3
Isophorone	4.3	U	0.34	4.3
2-Methylnaphthalene	4.3	U	0.29	4.3
Naphthalene	4.3	U	0.33	4.3
2-Nitroaniline	4.3	U	0.37	4.3
3-Nitroaniline	4.3	U	0.25	4.3
Nitrobenzene	4.3	U	0.30	4.3
N-Nitrosodi-n-propylamine	4.3	U	0.36	4.3
N-Nitrosodiphenylamine	4.3	U	0.36	4.3
Phenanthrene	4.3	U	0.30	4.3

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: FB 0711

Lab Sample ID: 220-15975-1FB
Client Matrix: Water

Date Sampled: 07/11/2011 0950
Date Received: 07/12/2011 1935

8270C SVOC

Analysis Method:	8270C	Analysis Batch:	220-52963	Instrument ID:	MSZ
Prep Method:	3510C	Prep Batch:	220-52864	Lab File ID:	Z21692.D
Dilution:	1.0			Initial Weight/Volume:	920 mL
Analysis Date:	07/18/2011 1156			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Pyrene	4.3	U	0.36	4.3
1,2,4-Trichlorobenzene	4.3	U	0.39	4.3
4-Chloro-3-methylphenol	5.4	U	0.37	5.4
2-Chlorophenol	4.3	U	0.25	4.3
2-Methylphenol	4.3	U	0.26	4.3
4-Methylphenol	4.3	U	0.32	4.3
2,4-Dichlorophenol	4.3	U	0.36	4.3
2,4-Dimethylphenol	4.3	U	0.36	4.3
2,4-Dinitrophenol	27	U	0.47	27
4,6-Dinitro-2-methylphenol	27	U	2.0	27
2-Nitrophenol	4.3	U	0.29	4.3
4-Nitrophenol	11	U	1.6	11
Pentachlorophenol	27	U	0.34	27
Phenol	4.3	U	0.21	4.3
2,4,5-Trichlorophenol	11	U	0.30	11
2,4,6-Trichlorophenol	4.3	U	0.40	4.3
Benzyl alcohol	4.3	U	0.45	4.3
4-Nitroaniline	4.3	U	0.22	4.3
2,2'-oxybis[1-chloropropane]	4.3	U	0.27	4.3

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	65		39 - 120
2-Fluorophenol	38		13 - 120
2,4,6-Tribromophenol	77		36 - 120
Nitrobenzene-d5	65		40 - 120
Phenol-d5	26		10 - 120
Terphenyl-d14	78		10 - 120

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-9

Lab Sample ID: 220-15975-2
Client Matrix: Water

Date Sampled: 07/11/2011 1010
Date Received: 07/12/2011 1935

8270C SVOC

Analysis Method:	8270C	Analysis Batch:	220-52963	Instrument ID:	MSZ
Prep Method:	3510C	Prep Batch:	220-52864	Lab File ID:	Z21693.D
Dilution:	1.0			Initial Weight/Volume:	940 mL
Analysis Date:	07/18/2011 1225			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.3	U	0.33	4.3
Acenaphthylene	4.3	U	0.36	4.3
Anthracene	4.3	U	0.31	4.3
Benzo[a]anthracene	4.3	U	0.32	4.3
Benzo[a]pyrene	4.3	U	0.37	4.3
Benzo[b]fluoranthene	4.3	U	0.38	4.3
Benzo[g,h,i]perylene	4.3	U	0.38	4.3
Benzo[k]fluoranthene	4.3	U	0.43	4.3
Bis(2-chloroethoxy)methane	4.3	U	0.33	4.3
Bis(2-chloroethyl)ether	4.3	U	0.31	4.3
Bis(2-ethylhexyl) phthalate	4.3	U	0.57	4.3
Butyl benzyl phthalate	4.3	U	0.37	4.3
Carbazole	4.3	U	0.35	4.3
Chrysene	4.3	U	0.27	4.3
Di-n-butyl phthalate	4.3	U	0.37	4.3
Di-n-octyl phthalate	4.3	U	0.40	4.3
4-Bromophenyl phenyl ether	4.3	U	0.47	4.3
4-Chloroaniline	4.3	U	0.31	4.3
2-Chloronaphthalene	4.3	U	0.41	4.3
4-Chlorophenyl phenyl ether	4.3	U	0.37	4.3
Dibenz(a,h)anthracene	4.3	U	0.40	4.3
Dibenzofuran	4.3	U	0.46	4.3
Diethyl phthalate	4.3	U	0.46	4.3
Dimethyl phthalate	4.3	U	0.40	4.3
1,2-Dichlorobenzene	4.3	U	0.33	4.3
1,3-Dichlorobenzene	4.3	U	0.27	4.3
1,4-Dichlorobenzene	4.3	U	0.33	4.3
3,3'-Dichlorobenzidine	4.3	U	0.38	4.3
2,4-Dinitrotoluene	4.3	U	0.43	4.3
2,6-Dinitrotoluene	4.3	U	0.28	4.3
Fluoranthene	4.3	U	0.33	4.3
Fluorene	4.3	U	0.28	4.3
Hexachlorobenzene	4.3	U	0.35	4.3
Hexachlorobutadiene	4.3	U	0.21	4.3
Hexachlorocyclopentadiene	4.3	U	0.37	4.3
Hexachloroethane	4.3	U	0.39	4.3
Indeno[1,2,3-cd]pyrene	4.3	U	0.30	4.3
Isophorone	4.3	U	0.33	4.3
2-Methylnaphthalene	4.3	U	0.29	4.3
Naphthalene	4.3	U	0.32	4.3
2-Nitroaniline	4.3	U	0.36	4.3
3-Nitroaniline	4.3	U	0.24	4.3
Nitrobenzene	4.3	U	0.30	4.3
N-Nitrosodi-n-propylamine	4.3	U	0.35	4.3
N-Nitrosodiphenylamine	4.3	U	0.35	4.3
Phenanthrene	4.3	U	0.30	4.3

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-9

Lab Sample ID: 220-15975-2
Client Matrix: Water

Date Sampled: 07/11/2011 1010
Date Received: 07/12/2011 1935

8270C SVOC

Analysis Method:	8270C	Analysis Batch:	220-52963	Instrument ID:	MSZ
Prep Method:	3510C	Prep Batch:	220-52864	Lab File ID:	Z21693.D
Dilution:	1.0			Initial Weight/Volume:	940 mL
Analysis Date:	07/18/2011 1225			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Pyrene	4.3	U	0.35	4.3
1,2,4-Trichlorobenzene	4.3	U	0.38	4.3
4-Chloro-3-methylphenol	5.3	U	0.36	5.3
2-Chlorophenol	4.3	U	0.24	4.3
2-Methylphenol	4.3	U	0.26	4.3
4-Methylphenol	4.3	U	0.31	4.3
2,4-Dichlorophenol	4.3	U	0.35	4.3
2,4-Dimethylphenol	4.3	U	0.35	4.3
2,4-Dinitrophenol	27	U	0.46	27
4,6-Dinitro-2-methylphenol	27	U	2.0	27
2-Nitrophenol	4.3	U	0.29	4.3
4-Nitrophenol	11	U	1.5	11
Pentachlorophenol	27	U	0.33	27
Phenol	4.3	U	0.20	4.3
2,4,5-Trichlorophenol	11	U	0.30	11
2,4,6-Trichlorophenol	4.3	U	0.39	4.3
Benzyl alcohol	4.3	U	0.44	4.3
4-Nitroaniline	4.3	U	0.21	4.3
2,2'-oxybis[1-chloropropane]	4.3	U	0.27	4.3

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	59		39 - 120
2-Fluorophenol	33		13 - 120
2,4,6-Tribromophenol	74		36 - 120
Nitrobenzene-d5	61		40 - 120
Phenol-d5	23		10 - 120
Terphenyl-d14	77		10 - 120

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-4

Lab Sample ID: 220-15975-3
Client Matrix: Water

Date Sampled: 07/11/2011 1055
Date Received: 07/12/2011 1935

8270C SVOC

Analysis Method:	8270C	Analysis Batch:	220-52963	Instrument ID:	MSZ
Prep Method:	3510C	Prep Batch:	220-52864	Lab File ID:	Z21695.D
Dilution:	1.0			Initial Weight/Volume:	910 mL
Analysis Date:	07/18/2011 1253			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.4	U	0.34	4.4
Acenaphthylene	4.4	U	0.37	4.4
Anthracene	4.4	U	0.32	4.4
Benzo[a]anthracene	4.4	U	0.33	4.4
Benzo[a]pyrene	4.4	U	0.38	4.4
Benzo[b]fluoranthene	4.4	U	0.40	4.4
Benzo[g,h,i]perylene	4.4	U	0.40	4.4
Benzo[k]fluoranthene	4.4	U	0.44	4.4
Bis(2-chloroethoxy)methane	4.4	U	0.34	4.4
Bis(2-chloroethyl)ether	4.4	U	0.32	4.4
Bis(2-ethylhexyl) phthalate	0.70	J B	0.59	4.4
Butyl benzyl phthalate	4.4	U	0.38	4.4
Carbazole	4.4	U	0.36	4.4
Chrysene	4.4	U	0.27	4.4
Di-n-butyl phthalate	4.4	U	0.38	4.4
Di-n-octyl phthalate	4.4	U	0.42	4.4
4-Bromophenyl phenyl ether	4.4	U	0.48	4.4
4-Chloroaniline	4.4	U	0.32	4.4
2-Chloronaphthalene	4.4	U	0.43	4.4
4-Chlorophenyl phenyl ether	4.4	U	0.38	4.4
Dibenz(a,h)anthracene	4.4	U	0.42	4.4
Dibenzofuran	4.4	U	0.47	4.4
Diethyl phthalate	4.4	U	0.47	4.4
Dimethyl phthalate	4.4	U	0.42	4.4
1,2-Dichlorobenzene	4.4	U	0.34	4.4
1,3-Dichlorobenzene	4.4	U	0.27	4.4
1,4-Dichlorobenzene	4.4	U	0.34	4.4
3,3'-Dichlorobenzidine	4.4	U	0.40	4.4
2,4-Dinitrotoluene	4.4	U	0.44	4.4
2,6-Dinitrotoluene	4.4	U	0.29	4.4
Fluoranthene	4.4	U	0.34	4.4
Fluorene	4.4	U	0.29	4.4
Hexachlorobenzene	4.4	U	0.36	4.4
Hexachlorobutadiene	4.4	U	0.22	4.4
Hexachlorocyclopentadiene	4.4	U	0.38	4.4
Hexachloroethane	4.4	U	0.41	4.4
Indeno[1,2,3-cd]pyrene	4.4	U	0.31	4.4
Isophorone	4.4	U	0.34	4.4
2-Methylnaphthalene	4.4	U	0.30	4.4
Naphthalene	4.4	U	0.33	4.4
2-Nitroaniline	4.4	U	0.37	4.4
3-Nitroaniline	4.4	U	0.25	4.4
Nitrobenzene	4.4	U	0.31	4.4
N-Nitrosodi-n-propylamine	4.4	U	0.36	4.4
N-Nitrosodiphenylamine	4.4	U	0.36	4.4
Phenanthrene	4.4	U	0.31	4.4

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-4

Lab Sample ID: 220-15975-3
Client Matrix: Water

Date Sampled: 07/11/2011 1055
Date Received: 07/12/2011 1935

8270C SVOC

Analysis Method:	8270C	Analysis Batch:	220-52963	Instrument ID:	MSZ
Prep Method:	3510C	Prep Batch:	220-52864	Lab File ID:	Z21695.D
Dilution:	1.0			Initial Weight/Volume:	910 mL
Analysis Date:	07/18/2011 1253			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Pyrene	4.4	U	0.36	4.4
1,2,4-Trichlorobenzene	4.4	U	0.40	4.4
4-Chloro-3-methylphenol	5.5	U	0.37	5.5
2-Chlorophenol	4.4	U	0.25	4.4
2-Methylphenol	4.4	U	0.26	4.4
4-Methylphenol	4.4	U	0.32	4.4
2,4-Dichlorophenol	4.4	U	0.36	4.4
2,4-Dimethylphenol	4.4	U	0.36	4.4
2,4-Dinitrophenol	27	U	0.47	27
4,6-Dinitro-2-methylphenol	27	U	2.0	27
2-Nitrophenol	4.4	U	0.30	4.4
4-Nitrophenol	11	U	1.6	11
Pentachlorophenol	27	U	0.34	27
Phenol	4.4	U	0.21	4.4
2,4,5-Trichlorophenol	11	U	0.31	11
2,4,6-Trichlorophenol	4.4	U	0.41	4.4
Benzyl alcohol	4.4	U	0.45	4.4
4-Nitroaniline	4.4	U	0.22	4.4
2,2'-oxybis[1-chloropropane]	4.4	U	0.27	4.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	74		39 - 120
2-Fluorophenol	41		13 - 120
2,4,6-Tribromophenol	90		36 - 120
Nitrobenzene-d5	75		40 - 120
Phenol-d5	29		10 - 120
Terphenyl-d14	88		10 - 120

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-4D

Lab Sample ID: 220-15975-4
Client Matrix: Water

Date Sampled: 07/11/2011 1100
Date Received: 07/12/2011 1935

8270C SVOC

Analysis Method:	8270C	Analysis Batch:	220-52963	Instrument ID:	MSZ
Prep Method:	3510C	Prep Batch:	220-52864	Lab File ID:	Z21696.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	07/18/2011 1322			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.2	U	0.32	4.2
Acenaphthylene	4.2	U	0.35	4.2
Anthracene	4.2	U	0.30	4.2
Benzo[a]anthracene	4.2	U	0.31	4.2
Benzo[a]pyrene	4.2	U	0.36	4.2
Benzo[b]fluoranthene	4.2	U	0.38	4.2
Benzo[g,h,i]perylene	4.2	U	0.38	4.2
Benzo[k]fluoranthene	4.2	U	0.42	4.2
Bis(2-chloroethoxy)methane	4.2	U	0.32	4.2
Bis(2-chloroethyl)ether	4.2	U	0.30	4.2
Bis(2-ethylhexyl) phthalate	4.2	U	0.56	4.2
Butyl benzyl phthalate	4.2	U	0.36	4.2
Carbazole	4.2	U	0.34	4.2
Chrysene	4.2	U	0.26	4.2
Di-n-butyl phthalate	4.2	U	0.36	4.2
Di-n-octyl phthalate	4.2	U	0.40	4.2
4-Bromophenyl phenyl ether	4.2	U	0.46	4.2
4-Chloroaniline	4.2	U	0.30	4.2
2-Chloronaphthalene	4.2	U	0.41	4.2
4-Chlorophenyl phenyl ether	4.2	U	0.36	4.2
Dibenz(a,h)anthracene	4.2	U	0.40	4.2
Dibenzofuran	4.2	U	0.45	4.2
Diethyl phthalate	4.2	U	0.45	4.2
Dimethyl phthalate	4.2	U	0.40	4.2
1,2-Dichlorobenzene	4.2	U	0.32	4.2
1,3-Dichlorobenzene	4.2	U	0.26	4.2
1,4-Dichlorobenzene	4.2	U	0.32	4.2
3,3'-Dichlorobenzidine	4.2	U	0.38	4.2
2,4-Dinitrotoluene	4.2	U	0.42	4.2
2,6-Dinitrotoluene	4.2	U	0.27	4.2
Fluoranthene	4.2	U	0.32	4.2
Fluorene	4.2	U	0.27	4.2
Hexachlorobenzene	4.2	U	0.34	4.2
Hexachlorobutadiene	4.2	U	0.21	4.2
Hexachlorocyclopentadiene	4.2	U	0.36	4.2
Hexachloroethane	4.2	U	0.39	4.2
Indeno[1,2,3-cd]pyrene	4.2	U	0.29	4.2
Isophorone	4.2	U	0.32	4.2
2-Methylnaphthalene	4.2	U	0.28	4.2
Naphthalene	4.2	U	0.31	4.2
2-Nitroaniline	4.2	U	0.35	4.2
3-Nitroaniline	4.2	U	0.24	4.2
Nitrobenzene	4.2	U	0.29	4.2
N-Nitrosodi-n-propylamine	4.2	U	0.34	4.2
N-Nitrosodiphenylamine	4.2	U	0.34	4.2
Phenanthrene	4.2	U	0.29	4.2

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-4D

Lab Sample ID: 220-15975-4
Client Matrix: Water

Date Sampled: 07/11/2011 1100
Date Received: 07/12/2011 1935

8270C SVOC

Analysis Method:	8270C	Analysis Batch:	220-52963	Instrument ID:	MSZ
Prep Method:	3510C	Prep Batch:	220-52864	Lab File ID:	Z21696.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	07/18/2011 1322			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Pyrene	4.2	U	0.34	4.2
1,2,4-Trichlorobenzene	4.2	U	0.38	4.2
4-Chloro-3-methylphenol	5.2	U	0.35	5.2
2-Chlorophenol	4.2	U	0.24	4.2
2-Methylphenol	4.2	U	0.25	4.2
4-Methylphenol	4.2	U	0.30	4.2
2,4-Dichlorophenol	4.2	U	0.34	4.2
2,4-Dimethylphenol	4.2	U	0.34	4.2
2,4-Dinitrophenol	26	U	0.45	26
4,6-Dinitro-2-methylphenol	26	U	1.9	26
2-Nitrophenol	4.2	U	0.28	4.2
4-Nitrophenol	10	U	1.5	10
Pentachlorophenol	26	U	0.32	26
Phenol	4.2	U	0.20	4.2
2,4,5-Trichlorophenol	10	U	0.29	10
2,4,6-Trichlorophenol	4.2	U	0.39	4.2
Benzyl alcohol	4.2	U	0.43	4.2
4-Nitroaniline	4.2	U	0.21	4.2
2,2'-oxybis[1-chloropropane]	4.2	U	0.26	4.2

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	75		39 - 120
2-Fluorophenol	38		13 - 120
2,4,6-Tribromophenol	91		36 - 120
Nitrobenzene-d5	76		40 - 120
Phenol-d5	27		10 - 120
Terphenyl-d14	89		10 - 120

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-7

Lab Sample ID: 220-15975-5
Client Matrix: Water

Date Sampled: 07/11/2011 1230
Date Received: 07/12/2011 1935

8270C SVOC

Analysis Method:	8270C	Analysis Batch:	220-52963	Instrument ID:	MSZ
Prep Method:	3510C	Prep Batch:	220-52864	Lab File ID:	Z21697.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	07/18/2011 1350			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.2	U	0.32	4.2
Acenaphthylene	4.2	U	0.35	4.2
Anthracene	4.2	U	0.30	4.2
Benzo[a]anthracene	4.2	U	0.31	4.2
Benzo[a]pyrene	4.2	U	0.36	4.2
Benzo[b]fluoranthene	0.54	J	0.38	4.2
Benzo[g,h,i]perylene	4.2	U	0.38	4.2
Benzo[k]fluoranthene	4.2	U	0.42	4.2
Bis(2-chloroethoxy)methane	4.2	U	0.32	4.2
Bis(2-chloroethyl)ether	4.2	U	0.30	4.2
Bis(2-ethylhexyl) phthalate	0.78	J B	0.56	4.2
Butyl benzyl phthalate	4.2	U	0.36	4.2
Carbazole	4.2	U	0.34	4.2
Chrysene	0.46	J	0.26	4.2
Di-n-butyl phthalate	4.2	U	0.36	4.2
Di-n-octyl phthalate	4.2	U	0.40	4.2
4-Bromophenyl phenyl ether	4.2	U	0.46	4.2
4-Chloroaniline	4.2	U	0.30	4.2
2-Chloronaphthalene	4.2	U	0.41	4.2
4-Chlorophenyl phenyl ether	4.2	U	0.36	4.2
Dibenz(a,h)anthracene	4.2	U	0.40	4.2
Dibenzofuran	4.2	U	0.45	4.2
Diethyl phthalate	4.2	U	0.45	4.2
Dimethyl phthalate	4.2	U	0.40	4.2
1,2-Dichlorobenzene	0.67	J	0.32	4.2
1,3-Dichlorobenzene	1.1	J	0.26	4.2
1,4-Dichlorobenzene	6.0		0.32	4.2
3,3'-Dichlorobenzidine	4.2	U	0.38	4.2
2,4-Dinitrotoluene	4.2	U	0.42	4.2
2,6-Dinitrotoluene	4.2	U	0.27	4.2
Fluoranthene	0.66	J	0.32	4.2
Fluorene	4.2	U	0.27	4.2
Hexachlorobenzene	4.2	U	0.34	4.2
Hexachlorobutadiene	4.2	U	0.21	4.2
Hexachlorocyclopentadiene	4.2	U	0.36	4.2
Hexachloroethane	4.2	U	0.39	4.2
Indeno[1,2,3-cd]pyrene	4.2	U	0.29	4.2
Isophorone	4.2	U	0.32	4.2
2-Methylnaphthalene	4.2	U	0.28	4.2
Naphthalene	4.2	U	0.31	4.2
2-Nitroaniline	4.2	U	0.35	4.2
3-Nitroaniline	4.2	U	0.24	4.2
Nitrobenzene	4.2	U	0.29	4.2
N-Nitrosodi-n-propylamine	4.2	U	0.34	4.2
N-Nitrosodiphenylamine	4.2	U	0.34	4.2
Phenanthrene	0.33	J	0.29	4.2

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-7

Lab Sample ID: 220-15975-5
Client Matrix: Water

Date Sampled: 07/11/2011 1230
Date Received: 07/12/2011 1935

8270C SVOC

Analysis Method:	8270C	Analysis Batch:	220-52963	Instrument ID:	MSZ
Prep Method:	3510C	Prep Batch:	220-52864	Lab File ID:	Z21697.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	07/18/2011 1350			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Pyrene	0.58	J	0.34	4.2
1,2,4-Trichlorobenzene	4.2	U	0.38	4.2
4-Chloro-3-methylphenol	5.2	U	0.35	5.2
2-Chlorophenol	4.2	U	0.24	4.2
2-Methylphenol	4.2	U	0.25	4.2
4-Methylphenol	4.2	U	0.30	4.2
2,4-Dichlorophenol	4.2	U	0.34	4.2
2,4-Dimethylphenol	4.2	U	0.34	4.2
2,4-Dinitrophenol	26	U	0.45	26
4,6-Dinitro-2-methylphenol	26	U	1.9	26
2-Nitrophenol	4.2	U	0.28	4.2
4-Nitrophenol	10	U	1.5	10
Pentachlorophenol	26	U	0.32	26
Phenol	4.2	U	0.20	4.2
2,4,5-Trichlorophenol	10	U	0.29	10
2,4,6-Trichlorophenol	4.2	U	0.39	4.2
Benzyl alcohol	4.2	U	0.43	4.2
4-Nitroaniline	4.2	U	0.21	4.2
2,2'-oxybis[1-chloropropane]	4.2	U	0.26	4.2

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	79		39 - 120
2-Fluorophenol	43		13 - 120
2,4,6-Tribromophenol	99		36 - 120
Nitrobenzene-d5	76		40 - 120
Phenol-d5	31		10 - 120
Terphenyl-d14	101		10 - 120

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-3

Lab Sample ID: 220-15975-6
Client Matrix: Water

Date Sampled: 07/11/2011 1255
Date Received: 07/12/2011 1935

8270C SVOC

Analysis Method:	8270C	Analysis Batch:	220-53063	Instrument ID:	MSC
Prep Method:	3510C	Prep Batch:	220-52864	Lab File ID:	C24348.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	07/19/2011 2019			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.2	U	0.32	4.2
Acenaphthylene	4.2	U	0.35	4.2
Anthracene	4.2	U	0.30	4.2
Benzo[a]anthracene	4.2	U	0.31	4.2
Benzo[a]pyrene	4.2	U	0.36	4.2
Benzo[b]fluoranthene	4.2	U	0.38	4.2
Benzo[g,h,i]perylene	4.2	U	0.38	4.2
Benzo[k]fluoranthene	4.2	U	0.42	4.2
Bis(2-chloroethoxy)methane	4.2	U	0.32	4.2
Bis(2-chloroethyl)ether	4.2	U	0.30	4.2
Bis(2-ethylhexyl) phthalate	2.8	J B	0.56	4.2
Butyl benzyl phthalate	4.2	U	0.36	4.2
Carbazole	4.2	U	0.34	4.2
Chrysene	4.2	U	0.26	4.2
Di-n-butyl phthalate	4.2	U	0.36	4.2
Di-n-octyl phthalate	4.2	U	0.40	4.2
4-Bromophenyl phenyl ether	4.2	U	0.46	4.2
4-Chloroaniline	4.2	U	0.30	4.2
2-Chloronaphthalene	4.2	U	0.41	4.2
4-Chlorophenyl phenyl ether	4.2	U	0.36	4.2
Dibenz(a,h)anthracene	4.2	U	0.40	4.2
Dibenzofuran	4.2	U	0.45	4.2
Diethyl phthalate	4.2	U	0.45	4.2
Dimethyl phthalate	4.2	U	0.40	4.2
1,2-Dichlorobenzene	1.3	J	0.32	4.2
1,3-Dichlorobenzene	4.2	U	0.26	4.2
1,4-Dichlorobenzene	0.69	J	0.32	4.2
3,3'-Dichlorobenzidine	4.2	U	0.38	4.2
2,4-Dinitrotoluene	4.2	U	0.42	4.2
2,6-Dinitrotoluene	4.2	U	0.27	4.2
Fluoranthene	4.2	U	0.32	4.2
Fluorene	4.2	U	0.27	4.2
Hexachlorobenzene	4.2	U	0.34	4.2
Hexachlorobutadiene	4.2	U	0.21	4.2
Hexachlorocyclopentadiene	4.2	U	0.36	4.2
Hexachloroethane	4.2	U	0.39	4.2
Indeno[1,2,3-cd]pyrene	4.2	U	0.29	4.2
Isophorone	4.2	U	0.32	4.2
2-Methylnaphthalene	4.2	U	0.28	4.2
Naphthalene	4.2	U	0.31	4.2
2-Nitroaniline	4.2	U	0.35	4.2
3-Nitroaniline	4.2	U	0.24	4.2
Nitrobenzene	4.2	U	0.29	4.2
N-Nitrosodi-n-propylamine	4.2	U	0.34	4.2
N-Nitrosodiphenylamine	4.2	U	0.34	4.2
Phenanthrene	4.2	U	0.29	4.2

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-3

Lab Sample ID: 220-15975-6
Client Matrix: Water

Date Sampled: 07/11/2011 1255
Date Received: 07/12/2011 1935

8270C SVOC

Analysis Method:	8270C	Analysis Batch:	220-53063	Instrument ID:	MSC
Prep Method:	3510C	Prep Batch:	220-52864	Lab File ID:	C24348.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	07/19/2011 2019			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Pyrene	4.2	U	0.34	4.2
1,2,4-Trichlorobenzene	4.2	U	0.38	4.2
4-Chloro-3-methylphenol	5.2	U	0.35	5.2
2-Chlorophenol	4.2	U	0.24	4.2
2-Methylphenol	4.2	U	0.25	4.2
4-Methylphenol	4.2	U	0.30	4.2
2,4-Dichlorophenol	4.2	U	0.34	4.2
2,4-Dimethylphenol	4.2	U	0.34	4.2
2,4-Dinitrophenol	26	U	0.45	26
4,6-Dinitro-2-methylphenol	26	U	1.9	26
2-Nitrophenol	4.2	U	0.28	4.2
4-Nitrophenol	10	U	1.5	10
Pentachlorophenol	26	U	0.32	26
Phenol	4.2	U	0.20	4.2
2,4,5-Trichlorophenol	10	U	0.29	10
2,4,6-Trichlorophenol	4.2	U	0.39	4.2
Benzyl alcohol	4.2	U	0.43	4.2
4-Nitroaniline	4.2	U	0.21	4.2
2,2'-oxybis[1-chloropropane]	4.2	U	0.26	4.2

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	73		39 - 120
2-Fluorophenol	43		13 - 120
2,4,6-Tribromophenol	87		36 - 120
Nitrobenzene-d5	77		40 - 120
Phenol-d5	30		10 - 120
Terphenyl-d14	121	*	10 - 120

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-2

Lab Sample ID: 220-15975-7
Client Matrix: Water

Date Sampled: 07/11/2011 1400
Date Received: 07/12/2011 1935

8270C SVOC

Analysis Method:	8270C	Analysis Batch:	220-53063	Instrument ID:	MSC
Prep Method:	3510C	Prep Batch:	220-52864	Lab File ID:	C24349.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	07/19/2011 2050			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.2	U	0.32	4.2
Acenaphthylene	4.2	U	0.35	4.2
Anthracene	4.2	U	0.30	4.2
Benzo[a]anthracene	4.2	U	0.31	4.2
Benzo[a]pyrene	4.2	U	0.36	4.2
Benzo[b]fluoranthene	4.2	U	0.38	4.2
Benzo[g,h,i]perylene	4.2	U	0.38	4.2
Benzo[k]fluoranthene	4.2	U	0.42	4.2
Bis(2-chloroethoxy)methane	4.2	U	0.32	4.2
Bis(2-chloroethyl)ether	4.2	U	0.30	4.2
Bis(2-ethylhexyl) phthalate	2.8	J B	0.56	4.2
Butyl benzyl phthalate	4.2	U	0.36	4.2
Carbazole	4.2	U	0.34	4.2
Chrysene	4.2	U	0.26	4.2
Di-n-butyl phthalate	4.2	U	0.36	4.2
Di-n-octyl phthalate	4.2	U	0.40	4.2
4-Bromophenyl phenyl ether	4.2	U	0.46	4.2
4-Chloroaniline	4.2	U	0.30	4.2
2-Chloronaphthalene	4.2	U	0.41	4.2
4-Chlorophenyl phenyl ether	4.2	U	0.36	4.2
Dibenz(a,h)anthracene	4.2	U	0.40	4.2
Dibenzofuran	4.2	U	0.45	4.2
Diethyl phthalate	4.2	U	0.45	4.2
Dimethyl phthalate	4.2	U	0.40	4.2
1,2-Dichlorobenzene	0.80	J	0.32	4.2
1,3-Dichlorobenzene	4.2	U	0.26	4.2
1,4-Dichlorobenzene	1.1	J	0.32	4.2
3,3'-Dichlorobenzidine	4.2	U	0.38	4.2
2,4-Dinitrotoluene	4.2	U	0.42	4.2
2,6-Dinitrotoluene	4.2	U	0.27	4.2
Fluoranthene	4.2	U	0.32	4.2
Fluorene	4.2	U	0.27	4.2
Hexachlorobenzene	4.2	U	0.34	4.2
Hexachlorobutadiene	4.2	U	0.21	4.2
Hexachlorocyclopentadiene	4.2	U	0.36	4.2
Hexachloroethane	4.2	U	0.39	4.2
Indeno[1,2,3-cd]pyrene	4.2	U	0.29	4.2
Isophorone	4.2	U	0.32	4.2
2-Methylnaphthalene	4.2	U	0.28	4.2
Naphthalene	4.2	U	0.31	4.2
2-Nitroaniline	4.2	U	0.35	4.2
3-Nitroaniline	4.2	U	0.24	4.2
Nitrobenzene	4.2	U	0.29	4.2
N-Nitrosodi-n-propylamine	4.2	U	0.34	4.2
N-Nitrosodiphenylamine	4.2	U	0.34	4.2
Phenanthrene	4.2	U	0.29	4.2

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-2

Lab Sample ID: 220-15975-7
Client Matrix: Water

Date Sampled: 07/11/2011 1400
Date Received: 07/12/2011 1935

8270C SVOC

Analysis Method:	8270C	Analysis Batch:	220-53063	Instrument ID:	MSC
Prep Method:	3510C	Prep Batch:	220-52864	Lab File ID:	C24349.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	07/19/2011 2050			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Pyrene	4.2	U	0.34	4.2
1,2,4-Trichlorobenzene	4.2	U	0.38	4.2
4-Chloro-3-methylphenol	5.2	U	0.35	5.2
2-Chlorophenol	4.2	U	0.24	4.2
2-Methylphenol	4.2	U	0.25	4.2
4-Methylphenol	4.2	U	0.30	4.2
2,4-Dichlorophenol	4.2	U	0.34	4.2
2,4-Dimethylphenol	4.2	U	0.34	4.2
2,4-Dinitrophenol	26	U	0.45	26
4,6-Dinitro-2-methylphenol	26	U	1.9	26
2-Nitrophenol	4.2	U	0.28	4.2
4-Nitrophenol	10	U	1.5	10
Pentachlorophenol	26	U	0.32	26
Phenol	4.2	U	0.20	4.2
2,4,5-Trichlorophenol	10	U	0.29	10
2,4,6-Trichlorophenol	4.2	U	0.39	4.2
Benzyl alcohol	4.2	U	0.43	4.2
4-Nitroaniline	4.2	U	0.21	4.2
2,2'-oxybis[1-chloropropane]	4.2	U	0.26	4.2

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	71		39 - 120
2-Fluorophenol	41		13 - 120
2,4,6-Tribromophenol	88		36 - 120
Nitrobenzene-d5	75		40 - 120
Phenol-d5	29		10 - 120
Terphenyl-d14	115		10 - 120

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-10

Lab Sample ID: 220-15975-8
Client Matrix: Water

Date Sampled: 07/11/2011 1500
Date Received: 07/12/2011 1935

8270C SVOC

Analysis Method:	8270C	Analysis Batch:	220-52963	Instrument ID:	MSZ
Prep Method:	3510C	Prep Batch:	220-52864	Lab File ID:	Z21700.D
Dilution:	1.0			Initial Weight/Volume:	950 mL
Analysis Date:	07/18/2011 1514			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.2	U	0.33	4.2
Acenaphthylene	4.2	U	0.36	4.2
Anthracene	4.2	U	0.31	4.2
Benzo[a]anthracene	4.2	U	0.32	4.2
Benzo[a]pyrene	4.2	U	0.37	4.2
Benzo[b]fluoranthene	4.2	U	0.38	4.2
Benzo[g,h,i]perylene	4.2	U	0.38	4.2
Benzo[k]fluoranthene	4.2	U	0.42	4.2
Bis(2-chloroethoxy)methane	4.2	U	0.33	4.2
Bis(2-chloroethyl)ether	4.2	U	0.31	4.2
Bis(2-ethylhexyl) phthalate	4.2	U	0.57	4.2
Butyl benzyl phthalate	4.2	U	0.37	4.2
Carbazole	4.2	U	0.35	4.2
Chrysene	4.2	U	0.26	4.2
Di-n-butyl phthalate	4.2	U	0.37	4.2
Di-n-octyl phthalate	4.2	U	0.40	4.2
4-Bromophenyl phenyl ether	4.2	U	0.46	4.2
4-Chloroaniline	4.2	U	0.31	4.2
2-Chloronaphthalene	4.2	U	0.41	4.2
4-Chlorophenyl phenyl ether	4.2	U	0.37	4.2
Dibenz(a,h)anthracene	4.2	U	0.40	4.2
Dibenzofuran	4.2	U	0.45	4.2
Diethyl phthalate	4.2	U	0.45	4.2
Dimethyl phthalate	4.2	U	0.40	4.2
1,2-Dichlorobenzene	4.2	U	0.33	4.2
1,3-Dichlorobenzene	4.2	U	0.26	4.2
1,4-Dichlorobenzene	4.2	U	0.33	4.2
3,3'-Dichlorobenzidine	4.2	U	0.38	4.2
2,4-Dinitrotoluene	4.2	U	0.42	4.2
2,6-Dinitrotoluene	4.2	U	0.27	4.2
Fluoranthene	4.2	U	0.33	4.2
Fluorene	4.2	U	0.27	4.2
Hexachlorobenzene	4.2	U	0.35	4.2
Hexachlorobutadiene	4.2	U	0.21	4.2
Hexachlorocyclopentadiene	4.2	U	0.37	4.2
Hexachloroethane	4.2	U	0.39	4.2
Indeno[1,2,3-cd]pyrene	4.2	U	0.29	4.2
Isophorone	4.2	U	0.33	4.2
2-Methylnaphthalene	4.2	U	0.28	4.2
Naphthalene	4.2	U	0.32	4.2
2-Nitroaniline	4.2	U	0.36	4.2
3-Nitroaniline	4.2	U	0.24	4.2
Nitrobenzene	4.2	U	0.29	4.2
N-Nitrosodi-n-propylamine	4.2	U	0.35	4.2
N-Nitrosodiphenylamine	4.2	U	0.35	4.2
Phenanthrene	4.2	U	0.29	4.2

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-10

Lab Sample ID: 220-15975-8
Client Matrix: Water

Date Sampled: 07/11/2011 1500
Date Received: 07/12/2011 1935

8270C SVOC

Analysis Method:	8270C	Analysis Batch:	220-52963	Instrument ID:	MSZ
Prep Method:	3510C	Prep Batch:	220-52864	Lab File ID:	Z21700.D
Dilution:	1.0			Initial Weight/Volume:	950 mL
Analysis Date:	07/18/2011 1514			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Pyrene	4.2	U	0.35	4.2
1,2,4-Trichlorobenzene	4.2	U	0.38	4.2
4-Chloro-3-methylphenol	5.3	U	0.36	5.3
2-Chlorophenol	4.2	U	0.24	4.2
2-Methylphenol	4.2	U	0.25	4.2
4-Methylphenol	4.2	U	0.31	4.2
2,4-Dichlorophenol	4.2	U	0.35	4.2
2,4-Dimethylphenol	4.2	U	0.35	4.2
2,4-Dinitrophenol	26	U	0.45	26
4,6-Dinitro-2-methylphenol	26	U	2.0	26
2-Nitrophenol	4.2	U	0.28	4.2
4-Nitrophenol	11	U	1.5	11
Pentachlorophenol	26	U	0.33	26
Phenol	4.2	U	0.20	4.2
2,4,5-Trichlorophenol	11	U	0.29	11
2,4,6-Trichlorophenol	4.2	U	0.39	4.2
Benzyl alcohol	4.2	U	0.43	4.2
4-Nitroaniline	4.2	U	0.21	4.2
2,2'-oxybis[1-chloropropane]	4.2	U	0.26	4.2

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	70		39 - 120
2-Fluorophenol	38		13 - 120
2,4,6-Tribromophenol	88		36 - 120
Nitrobenzene-d5	70		40 - 120
Phenol-d5	26		10 - 120
Terphenyl-d14	88		10 - 120

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: **MW-1**

Lab Sample ID: 220-15975-9
Client Matrix: Water

Date Sampled: 07/11/2011 1540
Date Received: 07/12/2011 1935

8270C SVOC

Analysis Method:	8270C	Analysis Batch:	220-53063	Instrument ID:	MSC
Prep Method:	3510C	Prep Batch:	220-52864	Lab File ID:	C24350.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	07/19/2011 2121			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.2	U	0.32	4.2
Acenaphthylene	4.2	U	0.35	4.2
Anthracene	4.2	U	0.30	4.2
Benzo[a]anthracene	4.2	U	0.31	4.2
Benzo[a]pyrene	4.2	U	0.36	4.2
Benzo[b]fluoranthene	4.2	U	0.38	4.2
Benzo[g,h,i]perylene	4.2	U	0.38	4.2
Benzo[k]fluoranthene	4.2	U	0.42	4.2
Bis(2-chloroethoxy)methane	4.2	U	0.32	4.2
Bis(2-chloroethyl)ether	4.2	U	0.30	4.2
Bis(2-ethylhexyl) phthalate	2.7	J B	0.56	4.2
Butyl benzyl phthalate	4.2	U	0.36	4.2
Carbazole	4.2	U	0.34	4.2
Chrysene	4.2	U	0.26	4.2
Di-n-butyl phthalate	4.2	U	0.36	4.2
Di-n-octyl phthalate	4.2	U	0.40	4.2
4-Bromophenyl phenyl ether	4.2	U	0.46	4.2
4-Chloroaniline	4.2	U	0.30	4.2
2-Chloronaphthalene	4.2	U	0.41	4.2
4-Chlorophenyl phenyl ether	4.2	U	0.36	4.2
Dibenz(a,h)anthracene	4.2	U	0.40	4.2
Dibenzofuran	4.2	U	0.45	4.2
Diethyl phthalate	4.2	U	0.45	4.2
Dimethyl phthalate	4.2	U	0.40	4.2
1,2-Dichlorobenzene	2.5	J	0.32	4.2
1,3-Dichlorobenzene	0.48	J	0.26	4.2
1,4-Dichlorobenzene	4.2		0.32	4.2
3,3'-Dichlorobenzidine	4.2	U	0.38	4.2
2,4-Dinitrotoluene	4.2	U	0.42	4.2
2,6-Dinitrotoluene	4.2	U	0.27	4.2
Fluoranthene	4.2	U	0.32	4.2
Fluorene	4.2	U	0.27	4.2
Hexachlorobenzene	4.2	U	0.34	4.2
Hexachlorobutadiene	4.2	U	0.21	4.2
Hexachlorocyclopentadiene	4.2	U	0.36	4.2
Hexachloroethane	4.2	U	0.39	4.2
Indeno[1,2,3-cd]pyrene	4.2	U	0.29	4.2
Isophorone	4.2	U	0.32	4.2
2-Methylnaphthalene	4.2	U	0.28	4.2
Naphthalene	4.2	U	0.31	4.2
2-Nitroaniline	4.2	U	0.35	4.2
3-Nitroaniline	4.2	U	0.24	4.2
Nitrobenzene	4.2	U	0.29	4.2
N-Nitrosodi-n-propylamine	4.2	U	0.34	4.2
N-Nitrosodiphenylamine	4.2	U	0.34	4.2
Phenanthrene	4.2	U	0.29	4.2

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-1

Lab Sample ID: 220-15975-9
Client Matrix: Water

Date Sampled: 07/11/2011 1540
Date Received: 07/12/2011 1935

8270C SVOC

Analysis Method:	8270C	Analysis Batch:	220-53063	Instrument ID:	MSC
Prep Method:	3510C	Prep Batch:	220-52864	Lab File ID:	C24350.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	07/19/2011 2121			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Pyrene	4.2	U	0.34	4.2
1,2,4-Trichlorobenzene	4.2	U	0.38	4.2
4-Chloro-3-methylphenol	5.2	U	0.35	5.2
2-Chlorophenol	4.2	U	0.24	4.2
2-Methylphenol	4.2	U	0.25	4.2
4-Methylphenol	4.2	U	0.30	4.2
2,4-Dichlorophenol	4.2	U	0.34	4.2
2,4-Dimethylphenol	4.2	U	0.34	4.2
2,4-Dinitrophenol	26	U	0.45	26
4,6-Dinitro-2-methylphenol	26	U	1.9	26
2-Nitrophenol	4.2	U	0.28	4.2
4-Nitrophenol	10	U	1.5	10
Pentachlorophenol	26	U	0.32	26
Phenol	4.2	U	0.20	4.2
2,4,5-Trichlorophenol	10	U	0.29	10
2,4,6-Trichlorophenol	4.2	U	0.39	4.2
Benzyl alcohol	4.2	U	0.43	4.2
4-Nitroaniline	4.2	U	0.21	4.2
2,2'-oxybis[1-chloropropane]	4.2	U	0.26	4.2

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	69		39 - 120
2-Fluorophenol	39		13 - 120
2,4,6-Tribromophenol	82		36 - 120
Nitrobenzene-d5	73		40 - 120
Phenol-d5	27		10 - 120
Terphenyl-d14	102		10 - 120

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-6

Lab Sample ID: 220-15975-10
Client Matrix: Water

Date Sampled: 07/11/2011 1600
Date Received: 07/12/2011 1935

8270C SVOC

Analysis Method:	8270C	Analysis Batch:	220-52963	Instrument ID:	MSZ
Prep Method:	3510C	Prep Batch:	220-52864	Lab File ID:	Z21704.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	07/18/2011 1707			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.2	U	0.32	4.2
Acenaphthylene	4.2	U	0.35	4.2
Anthracene	4.2	U	0.30	4.2
Benzo[a]anthracene	4.2	U	0.31	4.2
Benzo[a]pyrene	4.2	U	0.36	4.2
Benzo[b]fluoranthene	4.2	U	0.38	4.2
Benzo[g,h,i]perylene	4.2	U	0.38	4.2
Benzo[k]fluoranthene	4.2	U	0.42	4.2
Bis(2-chloroethoxy)methane	4.2	U	0.32	4.2
Bis(2-chloroethyl)ether	4.2	U	0.30	4.2
Bis(2-ethylhexyl) phthalate	4.2	U	0.56	4.2
Butyl benzyl phthalate	4.2	U	0.36	4.2
Carbazole	4.2	U	0.34	4.2
Chrysene	4.2	U	0.26	4.2
Di-n-butyl phthalate	4.2	U	0.36	4.2
Di-n-octyl phthalate	4.2	U	0.40	4.2
4-Bromophenyl phenyl ether	4.2	U	0.46	4.2
4-Chloroaniline	4.2	U	0.30	4.2
2-Chloronaphthalene	4.2	U	0.41	4.2
4-Chlorophenyl phenyl ether	4.2	U	0.36	4.2
Dibenz(a,h)anthracene	4.2	U	0.40	4.2
Dibenzofuran	4.2	U	0.45	4.2
Diethyl phthalate	4.2	U	0.45	4.2
Dimethyl phthalate	4.2	U	0.40	4.2
1,2-Dichlorobenzene	4.2	U	0.32	4.2
1,3-Dichlorobenzene	4.2	U	0.26	4.2
1,4-Dichlorobenzene	4.2	U	0.32	4.2
3,3'-Dichlorobenzidine	4.2	U	0.38	4.2
2,4-Dinitrotoluene	4.2	U	0.42	4.2
2,6-Dinitrotoluene	4.2	U	0.27	4.2
Fluoranthene	4.2	U	0.32	4.2
Fluorene	4.2	U	0.27	4.2
Hexachlorobenzene	4.2	U	0.34	4.2
Hexachlorobutadiene	4.2	U	0.21	4.2
Hexachlorocyclopentadiene	4.2	U	0.36	4.2
Hexachloroethane	4.2	U	0.39	4.2
Indeno[1,2,3-cd]pyrene	4.2	U	0.29	4.2
Isophorone	4.2	U	0.32	4.2
2-Methylnaphthalene	4.2	U	0.28	4.2
Naphthalene	4.2	U	0.31	4.2
2-Nitroaniline	4.2	U	0.35	4.2
3-Nitroaniline	4.2	U	0.24	4.2
Nitrobenzene	4.2	U	0.29	4.2
N-Nitrosodi-n-propylamine	4.2	U	0.34	4.2
N-Nitrosodiphenylamine	4.2	U	0.34	4.2
Phenanthrene	4.2	U	0.29	4.2

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-6

Lab Sample ID: 220-15975-10
Client Matrix: Water

Date Sampled: 07/11/2011 1600
Date Received: 07/12/2011 1935

8270C SVOC

Analysis Method:	8270C	Analysis Batch:	220-52963	Instrument ID:	MSZ
Prep Method:	3510C	Prep Batch:	220-52864	Lab File ID:	Z21704.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	07/18/2011 1707			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Pyrene	4.2	U	0.34	4.2
1,2,4-Trichlorobenzene	4.2	U	0.38	4.2
4-Chloro-3-methylphenol	5.2	U	0.35	5.2
2-Chlorophenol	4.2	U	0.24	4.2
2-Methylphenol	4.2	U	0.25	4.2
4-Methylphenol	4.2	U	0.30	4.2
2,4-Dichlorophenol	4.2	U	0.34	4.2
2,4-Dimethylphenol	4.2	U	0.34	4.2
2,4-Dinitrophenol	26	U	0.45	26
4,6-Dinitro-2-methylphenol	26	U	1.9	26
2-Nitrophenol	4.2	U	0.28	4.2
4-Nitrophenol	10	U	1.5	10
Pentachlorophenol	26	U	0.32	26
Phenol	4.2	U	0.20	4.2
2,4,5-Trichlorophenol	10	U	0.29	10
2,4,6-Trichlorophenol	4.2	U	0.39	4.2
Benzyl alcohol	4.2	U	0.43	4.2
4-Nitroaniline	4.2	U	0.21	4.2
2,2'-oxybis[1-chloropropane]	4.2	U	0.26	4.2

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	68		39 - 120
2-Fluorophenol	37		13 - 120
2,4,6-Tribromophenol	86		36 - 120
Nitrobenzene-d5	71		40 - 120
Phenol-d5	25		10 - 120
Terphenyl-d14	92		10 - 120

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: FB 0711

Lab Sample ID: 220-15975-1FB
Client Matrix: Water

Date Sampled: 07/11/2011 0950
Date Received: 07/12/2011 1935

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	220-52870	Instrument ID:	ICAP3
Prep Method:	3010A	Prep Batch:	220-52817	Lab File ID:	071411d.prn
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/14/2011 1246			Final Weight/Volume:	50 mL
Prep Date:	07/13/2011 1324				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	5.0	U	0.25	5.0
Aluminum	250	U	10.0	250
Arsenic	5.0	J	4.0	15.0
Barium	5.0	U	0.25	5.0
Beryllium	5.0	U	0.25	5.0
Calcium	500	U	50.0	500
Cadmium	5.0	U	1.0	5.0
Cobalt	5.0	U	0.50	5.0
Chromium	5.0	U	0.50	5.0
Copper	10.0	U	1.5	10.0
Iron	125	U	15.0	125
Potassium	500	U	50.0	500
Magnesium	500	U	5.0	500
Manganese	8.0	U	0.25	8.0
Sodium	500	U	50.0	500
Nickel	5.0	U	1.0	5.0
Lead	15.0	U	2.5	15.0
Antimony	15.0	U	5.0	15.0
Selenium	38.0	U	12.5	38.0
Thallium	15.0	U	3.5	15.0
Vanadium	5.0	U	1.0	5.0
Zinc	25.0	U	5.0	25.0

7470A Mercury

Analysis Method:	7470A	Analysis Batch:	220-53033	Instrument ID:	MERC1
Prep Method:	7470A	Prep Batch:	220-53012	Lab File ID:	CV071911.TXT
Dilution:	1.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/19/2011 1406			Final Weight/Volume:	40 mL
Prep Date:	07/19/2011 1003				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.060	0.20

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-9

Lab Sample ID: 220-15975-2
Client Matrix: Water

Date Sampled: 07/11/2011 1010
Date Received: 07/12/2011 1935

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	220-52870	Instrument ID:	ICAP3
Prep Method:	3010A	Prep Batch:	220-52817	Lab File ID:	071411d.prn
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/14/2011 1249			Final Weight/Volume:	50 mL
Prep Date:	07/13/2011 1324				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	5.0	U	0.25	5.0
Aluminum	2590		10.0	250
Arsenic	15.0	U	4.0	15.0
Barium	89.9		0.25	5.0
Beryllium	5.0	U	0.25	5.0
Calcium	13300		50.0	500
Cadmium	5.0	U	1.0	5.0
Cobalt	1.7	J	0.50	5.0
Chromium	1.9	J	0.50	5.0
Copper	6.4	J	1.5	10.0
Iron	107	J	15.0	125
Potassium	4580		50.0	500
Magnesium	2830		5.0	500
Manganese	81.6		0.25	8.0
Sodium	34500		50.0	500
Nickel	3.8	J	1.0	5.0
Lead	15.0	U	2.5	15.0
Antimony	15.0	U	5.0	15.0
Selenium	38.0	U	12.5	38.0
Thallium	15.0	U	3.5	15.0
Vanadium	5.0	U	1.0	5.0
Zinc	12.7	J	5.0	25.0

7470A Mercury

Analysis Method:	7470A	Analysis Batch:	220-53033	Instrument ID:	MERC1
Prep Method:	7470A	Prep Batch:	220-53012	Lab File ID:	CV071911.TXT
Dilution:	1.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/19/2011 1409			Final Weight/Volume:	40 mL
Prep Date:	07/19/2011 1003				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.060	0.20

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-4

Lab Sample ID: 220-15975-3
Client Matrix: Water

Date Sampled: 07/11/2011 1055
Date Received: 07/12/2011 1935

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	220-52870	Instrument ID:	ICAP3
Prep Method:	3010A	Prep Batch:	220-52817	Lab File ID:	071411d.prn
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/14/2011 1252			Final Weight/Volume:	50 mL
Prep Date:	07/13/2011 1324				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	5.0	U	0.25	5.0
Aluminum	18.2	J	10.0	250
Arsenic	5.8	J	4.0	15.0
Barium	143		0.25	5.0
Beryllium	5.0	U	0.25	5.0
Calcium	17500		50.0	500
Cadmium	5.0	U	1.0	5.0
Cobalt	5.0		0.50	5.0
Chromium	5.0	U	0.50	5.0
Copper	10.0	U	1.5	10.0
Iron	14100		15.0	125
Potassium	2640		50.0	500
Magnesium	3860		5.0	500
Manganese	413		0.25	8.0
Sodium	29300		50.0	500
Nickel	3.7	J	1.0	5.0
Lead	15.0	U	2.5	15.0
Antimony	15.0	U	5.0	15.0
Selenium	38.0	U	12.5	38.0
Thallium	15.0	U	3.5	15.0
Vanadium	5.0	U	1.0	5.0
Zinc	25.0	U	5.0	25.0

7470A Mercury

Analysis Method:	7470A	Analysis Batch:	220-53033	Instrument ID:	MERC1
Prep Method:	7470A	Prep Batch:	220-53012	Lab File ID:	CV071911.TXT
Dilution:	1.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/19/2011 1410			Final Weight/Volume:	40 mL
Prep Date:	07/19/2011 1003				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.060	0.20

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-4D

Lab Sample ID: 220-15975-4
Client Matrix: Water

Date Sampled: 07/11/2011 1100
Date Received: 07/12/2011 1935

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	220-52870	Instrument ID:	ICAP3
Prep Method:	3010A	Prep Batch:	220-52817	Lab File ID:	071411d.prn
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/14/2011 1255			Final Weight/Volume:	50 mL
Prep Date:	07/13/2011 1324				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	5.0	U	0.25	5.0
Aluminum	16.5	J	10.0	250
Arsenic	15.0	U	4.0	15.0
Barium	143		0.25	5.0
Beryllium	5.0	U	0.25	5.0
Calcium	17700		50.0	500
Cadmium	5.0	U	1.0	5.0
Cobalt	4.9	J	0.50	5.0
Chromium	5.0	U	0.50	5.0
Copper	10.0	U	1.5	10.0
Iron	14400		15.0	125
Potassium	2640		50.0	500
Magnesium	3890		5.0	500
Manganese	419		0.25	8.0
Sodium	30100		50.0	500
Nickel	3.3	J	1.0	5.0
Lead	15.0	U	2.5	15.0
Antimony	15.0	U	5.0	15.0
Selenium	38.0	U	12.5	38.0
Thallium	15.0	U	3.5	15.0
Vanadium	5.0	U	1.0	5.0
Zinc	25.0	U	5.0	25.0

7470A Mercury

Analysis Method:	7470A	Analysis Batch:	220-53033	Instrument ID:	MERC1
Prep Method:	7470A	Prep Batch:	220-53012	Lab File ID:	CV071911.TXT
Dilution:	1.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/19/2011 1410			Final Weight/Volume:	40 mL
Prep Date:	07/19/2011 1003				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.060	0.20

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-7

Lab Sample ID: 220-15975-5
Client Matrix: Water

Date Sampled: 07/11/2011 1230
Date Received: 07/12/2011 1935

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	220-52870	Instrument ID:	ICAP3
Prep Method:	3010A	Prep Batch:	220-52817	Lab File ID:	071411d.prn
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/14/2011 1258			Final Weight/Volume:	50 mL
Prep Date:	07/13/2011 1324				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	5.0	U	0.25	5.0
Aluminum	453		10.0	250
Arsenic	4.8	J	4.0	15.0
Barium	77.1		0.25	5.0
Beryllium	5.0	U	0.25	5.0
Calcium	12500		50.0	500
Cadmium	5.0	U	1.0	5.0
Cobalt	5.0	U	0.50	5.0
Chromium	1.2	J	0.50	5.0
Copper	36.0		1.5	10.0
Iron	11100		15.0	125
Potassium	2230		50.0	500
Magnesium	4910		5.0	500
Manganese	128		0.25	8.0
Sodium	32200		50.0	500
Nickel	5.0	U	1.0	5.0
Lead	9.8	J	2.5	15.0
Antimony	15.0	U	5.0	15.0
Selenium	38.0	U	12.5	38.0
Thallium	15.0	U	3.5	15.0
Vanadium	1.8	J	1.0	5.0
Zinc	44.9		5.0	25.0

7470A Mercury

Analysis Method:	7470A	Analysis Batch:	220-53033	Instrument ID:	MERC1
Prep Method:	7470A	Prep Batch:	220-53012	Lab File ID:	CV071911.TXT
Dilution:	1.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/19/2011 1411			Final Weight/Volume:	40 mL
Prep Date:	07/19/2011 1003				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.060	0.20

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-3

Lab Sample ID: 220-15975-6
Client Matrix: Water

Date Sampled: 07/11/2011 1255
Date Received: 07/12/2011 1935

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	220-53096	Instrument ID:	ICAP3
Prep Method:	3010A	Prep Batch:	220-53046	Lab File ID:	072011d.prn
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/20/2011 1419			Final Weight/Volume:	50 mL
Prep Date:	07/19/2011 1445				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	5.0	U	0.25	5.0
Aluminum	48.1	J	10.0	250
Arsenic	15.0	U	4.0	15.0
Barium	32.2	B	0.25	5.0
Beryllium	5.0	U	0.25	5.0
Calcium	24800		50.0	500
Cadmium	5.0	U	1.0	5.0
Cobalt	5.0	U	0.50	5.0
Chromium	5.0	U	0.50	5.0
Copper	2.8	J	1.5	10.0
Iron	23100		15.0	125
Potassium	3620		50.0	500
Magnesium	4700		5.0	500
Manganese	336	B	0.25	8.0
Sodium	23200		50.0	500
Nickel	5.0	U	1.0	5.0
Lead	15.0	U	2.5	15.0
Antimony	15.0	U	5.0	15.0
Selenium	38.0	U	12.5	38.0
Thallium	15.0	U	3.5	15.0
Vanadium	5.0	U	1.0	5.0
Zinc	25.0	U	5.0	25.0

7470A Mercury

Analysis Method:	7470A	Analysis Batch:	220-53033	Instrument ID:	MERC1
Prep Method:	7470A	Prep Batch:	220-53012	Lab File ID:	CV071911.TXT
Dilution:	1.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/19/2011 1412			Final Weight/Volume:	40 mL
Prep Date:	07/19/2011 1003				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.060	0.20

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-2

Lab Sample ID: 220-15975-7
Client Matrix: Water

Date Sampled: 07/11/2011 1400
Date Received: 07/12/2011 1935

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	220-53096	Instrument ID:	ICAP3
Prep Method:	3010A	Prep Batch:	220-53046	Lab File ID:	072011d.prn
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/20/2011 1422			Final Weight/Volume:	50 mL
Prep Date:	07/19/2011 1445				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	5.0	U	0.25	5.0
Aluminum	46.9	J	10.0	250
Arsenic	15.0	U	4.0	15.0
Barium	51.7	B	0.25	5.0
Beryllium	5.0	U	0.25	5.0
Calcium	86300		50.0	500
Cadmium	5.0	U	1.0	5.0
Cobalt	1.2	J	0.50	5.0
Chromium	5.0	U	0.50	5.0
Copper	2.1	J	1.5	10.0
Iron	15900		15.0	125
Potassium	11100		50.0	500
Magnesium	7930		5.0	500
Manganese	300	B	0.25	8.0
Sodium	68100		50.0	500
Nickel	5.0	U	1.0	5.0
Lead	15.0	U	2.5	15.0
Antimony	15.0	U	5.0	15.0
Selenium	38.0	U	12.5	38.0
Thallium	15.0	U	3.5	15.0
Vanadium	2.4	J	1.0	5.0
Zinc	25.0	U	5.0	25.0

7470A Mercury

Analysis Method:	7470A	Analysis Batch:	220-53033	Instrument ID:	MERC1
Prep Method:	7470A	Prep Batch:	220-53012	Lab File ID:	CV071911.TXT
Dilution:	1.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/19/2011 1413			Final Weight/Volume:	40 mL
Prep Date:	07/19/2011 1003				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.060	0.20

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-10

Lab Sample ID: 220-15975-8
Client Matrix: Water

Date Sampled: 07/11/2011 1500
Date Received: 07/12/2011 1935

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	220-53096	Instrument ID:	ICAP3
Prep Method:	3010A	Prep Batch:	220-53046	Lab File ID:	072011d.prn
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/20/2011 1338			Final Weight/Volume:	50 mL
Prep Date:	07/19/2011 1445				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	5.0	U	0.25	5.0
Aluminum	250	U	10.0	250
Arsenic	15.0	U	4.0	15.0
Barium	234	B	0.25	5.0
Beryllium	5.0	U	0.25	5.0
Calcium	13900		50.0	500
Cadmium	5.0	U	1.0	5.0
Cobalt	5.0	U	0.50	5.0
Chromium	5.0	U	0.50	5.0
Copper	10.0	U	1.5	10.0
Iron	37.0	J	15.0	125
Potassium	2500		50.0	500
Magnesium	3540		5.0	500
Manganese	82.5	B	0.25	8.0
Sodium	39900		50.0	500
Nickel	5.0	U	1.0	5.0
Lead	15.0	U	2.5	15.0
Antimony	15.0	U	5.0	15.0
Selenium	38.0	U	12.5	38.0
Thallium	15.0	U	3.5	15.0
Vanadium	5.0	U	1.0	5.0
Zinc	25.0	U	5.0	25.0

7470A Mercury

Analysis Method:	7470A	Analysis Batch:	220-53143	Instrument ID:	MERC1
Prep Method:	7470A	Prep Batch:	220-53086	Lab File ID:	CV072111.TXT
Dilution:	1.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/21/2011 1457			Final Weight/Volume:	40 mL
Prep Date:	07/20/2011 1339				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.060	0.20

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: **MW-1**

Lab Sample ID: 220-15975-9
Client Matrix: Water

Date Sampled: 07/11/2011 1540
Date Received: 07/12/2011 1935

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	220-53096	Instrument ID:	ICAP3
Prep Method:	3010A	Prep Batch:	220-53046	Lab File ID:	072011d.prn
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/20/2011 1425			Final Weight/Volume:	50 mL
Prep Date:	07/19/2011 1445				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	5.0	U	0.25	5.0
Aluminum	25.5	J	10.0	250
Arsenic	15.0	U	4.0	15.0
Barium	37.9	B	0.25	5.0
Beryllium	5.0	U	0.25	5.0
Calcium	14300		50.0	500
Cadmium	5.0	U	1.0	5.0
Cobalt	1.6	J	0.50	5.0
Chromium	0.57	J	0.50	5.0
Copper	1.6	J	1.5	10.0
Iron	24200		15.0	125
Potassium	2630		50.0	500
Magnesium	3800		5.0	500
Manganese	410	B	0.25	8.0
Sodium	33000		50.0	500
Nickel	1.6	J	1.0	5.0
Lead	2.9	J	2.5	15.0
Antimony	15.0	U	5.0	15.0
Selenium	38.0	U	12.5	38.0
Thallium	15.0	U	3.5	15.0
Vanadium	5.0	U	1.0	5.0
Zinc	5.1	J	5.0	25.0

7470A Mercury

Analysis Method:	7470A	Analysis Batch:	220-53143	Instrument ID:	MERC1
Prep Method:	7470A	Prep Batch:	220-53086	Lab File ID:	CV072111.TXT
Dilution:	1.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/21/2011 1503			Final Weight/Volume:	40 mL
Prep Date:	07/20/2011 1339				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.060	0.20

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Client Sample ID: MW-6

Lab Sample ID: 220-15975-10
Client Matrix: Water

Date Sampled: 07/11/2011 1600
Date Received: 07/12/2011 1935

6010B TAL Metals

Analysis Method:	6010B	Analysis Batch:	220-53096	Instrument ID:	ICAP3
Prep Method:	3010A	Prep Batch:	220-53046	Lab File ID:	072011d.prn
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/20/2011 1428			Final Weight/Volume:	50 mL
Prep Date:	07/19/2011 1445				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	5.0	U	0.25	5.0
Aluminum	75.2	J	10.0	250
Arsenic	15.0	U	4.0	15.0
Barium	26.6	B	0.25	5.0
Beryllium	5.0	U	0.25	5.0
Calcium	6960		50.0	500
Cadmium	5.0	U	1.0	5.0
Cobalt	5.0	U	0.50	5.0
Chromium	5.0	U	0.50	5.0
Copper	10.0	U	1.5	10.0
Iron	130		15.0	125
Potassium	946		50.0	500
Magnesium	1650		5.0	500
Manganese	15.7	B	0.25	8.0
Sodium	14800		50.0	500
Nickel	5.0	U	1.0	5.0
Lead	15.0	U	2.5	15.0
Antimony	15.0	U	5.0	15.0
Selenium	38.0	U	12.5	38.0
Thallium	15.0	U	3.5	15.0
Vanadium	5.0	U	1.0	5.0
Zinc	25.0	U	5.0	25.0

7470A Mercury

Analysis Method:	7470A	Analysis Batch:	220-53143	Instrument ID:	MERC1
Prep Method:	7470A	Prep Batch:	220-53086	Lab File ID:	CV072111.TXT
Dilution:	1.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/21/2011 1504			Final Weight/Volume:	40 mL
Prep Date:	07/20/2011 1339				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.060	0.20

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Surrogate Recovery Report

8260B TCL VOA

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
220-15975-1	FB 0711	75	72	74	72
220-15975-2	MW-9	70	67	70	70
220-15975-3	MW-4	71	68	71	68
220-15975-4	MW-4D	101	113	81	77
220-15975-5	MW-7	73	67	72	73
220-15975-6	MW-3	73	67	71	70
220-15975-7	MW-2	74	71	76	75
220-15975-8	MW-10	71	66	72	68
220-15975-9	MW-1	73	69	71	72
220-15975-10	MW-6	72	67	71	71
220-15975-11	TRIP BLANK	72	68	70	67
MB 220-52998/4		73	69	72	70
MB 220-53156/3		105	114	83	76
LCS 220-52998/2		71	68	70	69
LCS 220-53156/2		102	106	82	77
220-15975-8 MS	MW-10 MS	71	68	73	71
220-15975-8 MSD	MW-10 MSD	76	72	76	76

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	68-132
DCA = 1,2-Dichloroethane-d4 (Surr)	65-136
TOL = Toluene-d8 (Surr)	63-127
BFB = 4-Bromofluorobenzene	51-142

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Surrogate Recovery Report

8270C SVOC

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
220-15975-1	FB 0711	38	26	65	65	77	78
220-15975-2	MW-9	33	23	61	59	74	77
220-15975-3	MW-4	41	29	75	74	90	88
220-15975-4	MW-4D	38	27	76	75	91	89
220-15975-5	MW-7	43	31	76	79	99	101
220-15975-6	MW-3	43	30	77	73	87	121*
220-15975-7	MW-2	41	29	75	71	88	115
220-15975-8	MW-10	38	26	70	70	88	88
220-15975-9	MW-1	39	27	73	69	82	102
220-15975-10	MW-6	37	25	71	68	86	92
MB 220-52864/1-A		31	22	54	51	60	65
LCS 220-52864/2-A		43	30	76	72	87	90
220-15975-8 MS	MW-10 MS	43	30	78	78	95	98
220-15975-8 MSD	MW-10 MSD	40	28	78	79	98	102

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	13-120
PHL = Phenol-d5	10-120
NBZ = Nitrobenzene-d5	40-120
FBP = 2-Fluorobiphenyl	39-120
TBP = 2,4,6-Tribromophenol	36-120
TPH = Terphenyl-d14	10-120

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Method Blank - Batch: 220-52998

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 220-52998/4	Analysis Batch:	220-52998	Instrument ID:	MSL
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	L0400.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/18/2011 2006	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/18/2011 2006				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	10	U	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	2.31	J	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	69	65 - 136
4-Bromofluorobenzene	70	51 - 142
Dibromofluoromethane	73	68 - 132
Toluene-d8 (Surr)	72	63 - 127

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Lab Control Sample - Batch: 220-52998

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 220-52998/2	Analysis Batch:	220-52998	Instrument ID:	MSL
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	L0398.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/18/2011 1918	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/18/2011 1918				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	20.0	27.2	136	41 - 150	
Benzene	20.0	21.3	106	66 - 131	
Bromodichloromethane	20.0	19.7	99	78 - 120	
Bromoform	20.0	18.6	93	66 - 120	
Bromomethane	20.0	27.7	138	47 - 150	
Methyl Ethyl Ketone	20.0	21.6	108	42 - 150	
Carbon disulfide	20.0	20.7	103	55 - 150	
Carbon tetrachloride	20.0	20.9	105	69 - 135	
Chlorobenzene	20.0	19.9	99	68 - 120	
Chloroethane	20.0	25.4	127	49 - 150	
Chloroform	20.0	20.2	101	77 - 126	
Chloromethane	20.0	19.6	98	33 - 150	
Dibromochloromethane	20.0	18.6	93	75 - 120	
1,1-Dichloroethane	20.0	21.0	105	75 - 130	
1,2-Dichloroethane	20.0	19.9	100	73 - 127	
1,1-Dichloroethene	20.0	22.3	112	65 - 142	
1,2-Dichloropropane	20.0	21.0	105	69 - 129	
cis-1,3-Dichloropropene	20.0	20.3	102	63 - 120	
trans-1,3-Dichloropropene	20.0	20.5	102	73 - 120	
Ethylbenzene	20.0	19.9	100	62 - 120	
2-Hexanone	20.0	19.8	99	46 - 150	
Methylene Chloride	20.0	21.1	106	56 - 138	
methyl isobutyl ketone	20.0	19.3	96	70 - 122	
Styrene	20.0	19.5	97	47 - 120	
1,1,2,2-Tetrachloroethane	20.0	19.9	100	75 - 124	
Tetrachloroethene	20.0	19.1	95	50 - 120	
Toluene	20.0	19.8	99	66 - 120	
1,1,1-Trichloroethane	20.0	19.9	100	73 - 135	
1,1,2-Trichloroethane	20.0	20.5	102	76 - 125	
Trichloroethene	20.0	21.3	106	60 - 122	
Vinyl chloride	20.0	21.0	105	61 - 150	
Xylenes, Total	60.0	59.6	99	58 - 120	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	68	65 - 136
4-Bromofluorobenzene	69	51 - 142
Dibromofluoromethane	71	68 - 132
Toluene-d8 (Surr)	70	63 - 127

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 220-52998

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	220-15975-8	Analysis Batch:	220-52998	Instrument ID:	MSL
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	L0423.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/19/2011 0537			Final Weight/Volume:	5 mL
Prep Date:	07/19/2011 0537				
Leach Date:	N/A				

MSD Lab Sample ID:	220-15975-8	Analysis Batch:	220-52998	Instrument ID:	MSL
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	L0424.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/19/2011 0601			Final Weight/Volume:	5 mL
Prep Date:	07/19/2011 0601				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acetone	104	123	41 - 150	17	20		
Benzene	106	119	66 - 131	12	20		
Bromodichloromethane	96	107	78 - 120	11	20		
Bromoform	84	97	66 - 120	15	20		
Bromomethane	75	100	47 - 150	28	20		*
Methyl Ethyl Ketone	84	102	42 - 150	20	20		
Carbon disulfide	109	123	55 - 150	12	20		
Carbon tetrachloride	96	110	69 - 135	13	20		
Chlorobenzene	97	111	68 - 120	13	20		
Chloroethane	158	162	49 - 150	3	20	*	*
Chloroform	99	114	77 - 126	14	20		
Chloromethane	164	166	33 - 150	2	20	*	*
Dibromochloromethane	90	101	75 - 120	11	20		
1,1-Dichloroethane	103	121	75 - 130	15	20		
1,2-Dichloroethane	95	107	73 - 127	12	20		
1,1-Dichloroethene	112	128	65 - 142	14	20		
1,2-Dichloropropane	108	119	69 - 129	10	20		
cis-1,3-Dichloropropene	72	82	63 - 120	14	20		
trans-1,3-Dichloropropene	70	79	73 - 120	13	20	*	
Ethylbenzene	98	114	62 - 120	15	20		
2-Hexanone	91	99	46 - 150	9	20		
Methylene Chloride	90	101	56 - 138	12	20		
methyl isobutyl ketone	91	103	70 - 122	13	20		
Styrene	95	108	47 - 120	13	20		
1,1,2,2-Tetrachloroethane	92	105	75 - 124	14	20		
Tetrachloroethene	96	109	50 - 120	13	20		
Toluene	99	114	66 - 120	15	20		
1,1,1-Trichloroethane	101	115	73 - 135	13	20		
1,1,2-Trichloroethane	100	114	76 - 125	12	20		
Trichloroethene	108	122	60 - 122	13	20		
Vinyl chloride	133	136	61 - 150	2	20		
Xylenes, Total	99	112	58 - 120	13	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	68	72	65 - 136
4-Bromofluorobenzene	71	76	51 - 142
Dibromofluoromethane	71	76	68 - 132
Toluene-d8 (Surr)	73	76	63 - 127

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 220-52998

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	220-15975-8	Units: ug/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	07/19/2011 0537		
Prep Date:	07/19/2011 0537		
Leach Date:	N/A		

MSD Lab Sample ID:	220-15975-8
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	07/19/2011 0601
Prep Date:	07/19/2011 0601
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Acetone	10	U	50.0	50.0	51.9		61.5	
Benzene	5.0	U	50.0	50.0	53.1		59.7	
Bromodichloromethane	5.0	U	50.0	50.0	47.8		53.5	
Bromoform	5.0	U	50.0	50.0	41.9		48.6	
Bromomethane	5.0	U	50.0	50.0	37.7		50.2	*
Methyl Ethyl Ketone	10	U	50.0	50.0	41.8		51.1	
Carbon disulfide	5.0	U	50.0	50.0	54.5		61.7	
Carbon tetrachloride	5.0	U	50.0	50.0	48.0		54.8	
Chlorobenzene	5.0	U	50.0	50.0	48.4		55.4	
Chloroethane	5.0	U	50.0	50.0	79.1	*	81.1	*
Chloroform	5.0	U	50.0	50.0	49.7		57.2	
Chloromethane	5.0	U	50.0	50.0	81.9	*	83.2	*
Dibromochloromethane	5.0	U	50.0	50.0	45.1		50.6	
1,1-Dichloroethane	5.0	U	50.0	50.0	51.7		60.3	
1,2-Dichloroethane	5.0	U	50.0	50.0	47.5		53.7	
1,1-Dichloroethene	5.0	U	50.0	50.0	55.8		64.2	
1,2-Dichloropropane	5.0	U	50.0	50.0	53.8		59.3	
cis-1,3-Dichloropropene	5.0	U	50.0	50.0	35.9		41.2	
trans-1,3-Dichloropropene	5.0	U	50.0	50.0	34.8	*	39.5	
Ethylbenzene	5.0	U	50.0	50.0	49.0		56.8	
2-Hexanone	10	U	50.0	50.0	45.5		49.7	
Methylene Chloride	5.0	U	50.0	50.0	45.0		50.5	
methyl isobutyl ketone	10	U	50.0	50.0	45.3		51.7	
Styrene	5.0	U	50.0	50.0	47.5		54.2	
1,1,2,2-Tetrachloroethane	5.0	U	50.0	50.0	45.9		52.6	
Tetrachloroethene	5.0	U	50.0	50.0	47.9		54.4	
Toluene	5.0	U	50.0	50.0	49.4		57.2	
1,1,1-Trichloroethane	5.0	U	50.0	50.0	50.3		57.5	
1,1,2-Trichloroethane	5.0	U	50.0	50.0	50.1		56.8	
Trichloroethene	5.0	U	50.0	50.0	53.8		61.0	
Vinyl chloride	5.0	U	50.0	50.0	66.4		67.9	
Xylenes, Total	5.0	U	150	150	148		168	

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Method Blank - Batch: 220-53156

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 220-53156/3	Analysis Batch:	220-53156	Instrument ID:	MSV
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V2444.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/21/2011 1148	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/21/2011 1148				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	10	U	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	2.53	J	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114	65 - 136
4-Bromofluorobenzene	76	51 - 142
Dibromofluoromethane	105	68 - 132
Toluene-d8 (Surr)	83	63 - 127

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Lab Control Sample - Batch: 220-53156

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 220-53156/2	Analysis Batch:	220-53156	Instrument ID:	MSV
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V2442.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/21/2011 1054	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/21/2011 1054				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	10.0	8.52	85	41 - 150	J
Benzene	10.0	9.91	99	66 - 131	
Bromodichloromethane	10.0	11.1	111	78 - 120	
Bromoform	10.0	10.1	101	66 - 120	
Bromomethane	10.0	9.39	94	47 - 150	
Methyl Ethyl Ketone	10.0	7.40	74	42 - 150	J
Carbon disulfide	10.0	9.26	93	55 - 150	
Carbon tetrachloride	10.0	13.3	133	69 - 135	
Chlorobenzene	10.0	9.66	97	68 - 120	
Chloroethane	10.0	12.0	120	49 - 150	
Chloroform	10.0	10.8	108	77 - 126	
Chloromethane	10.0	8.88	89	33 - 150	
Dibromochloromethane	10.0	9.27	93	75 - 120	
1,1-Dichloroethane	10.0	10.9	109	75 - 130	
1,2-Dichloroethane	10.0	13.0	130	73 - 127	*
1,1-Dichloroethene	10.0	11.2	112	65 - 142	
1,2-Dichloropropane	10.0	9.15	91	69 - 129	
cis-1,3-Dichloropropene	10.0	9.46	95	63 - 120	
trans-1,3-Dichloropropene	10.0	10.4	104	73 - 120	
Ethylbenzene	10.0	9.57	96	62 - 120	
2-Hexanone	10.0	9.45	94	46 - 150	J
Methylene Chloride	10.0	9.76	98	56 - 138	
methyl isobutyl ketone	10.0	7.91	79	70 - 122	J
Styrene	10.0	9.24	92	47 - 120	
1,1,2,2-Tetrachloroethane	10.0	8.19	82	75 - 124	
Tetrachloroethene	10.0	10.7	107	50 - 120	
Toluene	10.0	9.25	92	66 - 120	
1,1,1-Trichloroethane	10.0	14.4	144	73 - 135	*
1,1,2-Trichloroethane	10.0	10.2	102	76 - 125	
Trichloroethene	10.0	10.4	104	60 - 122	
Vinyl chloride	10.0	10.3	103	61 - 150	
Xylenes, Total	30.0	28.5	95	58 - 120	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	65 - 136
4-Bromofluorobenzene	77	51 - 142
Dibromofluoromethane	102	68 - 132
Toluene-d8 (Surr)	82	63 - 127

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Method Blank - Batch: 220-52864

Method: 8270C
Preparation: 3510C

Lab Sample ID:	MB 220-52864/1-A	Analysis Batch:	220-53011	Instrument ID:	MSC
Client Matrix:	Water	Prep Batch:	220-52864	Lab File ID:	C24302.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	07/18/2011 1209	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Bis(2-chloroethoxy)methane	4.0	U	0.31	4.0
Bis(2-chloroethyl)ether	4.0	U	0.29	4.0
Bis(2-ethylhexyl) phthalate	2.44	J	0.54	4.0
Butyl benzyl phthalate	4.0	U	0.35	4.0
Carbazole	4.0	U	0.33	4.0
Chrysene	4.0	U	0.25	4.0
Di-n-butyl phthalate	4.0	U	0.35	4.0
Di-n-octyl phthalate	4.0	U	0.38	4.0
4-Bromophenyl phenyl ether	4.0	U	0.44	4.0
4-Chloroaniline	4.0	U	0.29	4.0
2-Chloronaphthalene	4.0	U	0.39	4.0
4-Chlorophenyl phenyl ether	4.0	U	0.35	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Dibenzofuran	4.0	U	0.43	4.0
Diethyl phthalate	4.0	U	0.43	4.0
Dimethyl phthalate	4.0	U	0.38	4.0
1,2-Dichlorobenzene	4.0	U	0.31	4.0
1,3-Dichlorobenzene	4.0	U	0.25	4.0
1,4-Dichlorobenzene	4.0	U	0.31	4.0
3,3'-Dichlorobenzidine	4.0	U	0.36	4.0
2,4-Dinitrotoluene	4.0	U	0.40	4.0
2,6-Dinitrotoluene	4.0	U	0.26	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Hexachlorobenzene	4.0	U	0.33	4.0
Hexachlorobutadiene	4.0	U	0.20	4.0
Hexachlorocyclopentadiene	4.0	U	0.35	4.0
Hexachloroethane	4.0	U	0.37	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Isophorone	4.0	U	0.31	4.0
2-Methylnaphthalene	4.0	U	0.27	4.0
Naphthalene	4.0	U	0.30	4.0
2-Nitroaniline	4.0	U	0.34	4.0
3-Nitroaniline	4.0	U	0.23	4.0
Nitrobenzene	4.0	U	0.28	4.0
N-Nitrosodi-n-propylamine	4.0	U	0.33	4.0
N-Nitrosodiphenylamine	4.0	U	0.33	4.0

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Method Blank - Batch: 220-52864

Method: 8270C
Preparation: 3510C

Lab Sample ID:	MB 220-52864/1-A	Analysis Batch:	220-53011	Instrument ID:	MSC
Client Matrix:	Water	Prep Batch:	220-52864	Lab File ID:	C24302.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	07/18/2011 1209	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0
1,2,4-Trichlorobenzene	4.0	U	0.36	4.0
4-Chloro-3-methylphenol	5.0	U	0.34	5.0
2-Chlorophenol	4.0	U	0.23	4.0
2-Methylphenol	4.0	U	0.24	4.0
4-Methylphenol	4.0	U	0.29	4.0
2,4-Dichlorophenol	4.0	U	0.33	4.0
2,4-Dimethylphenol	4.0	U	0.33	4.0
2,4-Dinitrophenol	25	U	0.43	25
4,6-Dinitro-2-methylphenol	25	U	1.9	25
2-Nitrophenol	4.0	U	0.27	4.0
4-Nitrophenol	10	U	1.5	10
Pentachlorophenol	25	U	0.31	25
Phenol	4.0	U	0.19	4.0
2,4,5-Trichlorophenol	10	U	0.28	10
2,4,6-Trichlorophenol	4.0	U	0.37	4.0
Benzyl alcohol	4.0	U	0.41	4.0
4-Nitroaniline	4.0	U	0.20	4.0
2,2'-oxybis[1-chloropropane]	4.0	U	0.25	4.0

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	51	39 - 120
2-Fluorophenol	31	13 - 120
2,4,6-Tribromophenol	60	36 - 120
Nitrobenzene-d5	54	40 - 120
Phenol-d5	22	10 - 120
Terphenyl-d14	65	10 - 120

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Lab Control Sample - Batch: 220-52864

Method: 8270C
Preparation: 3510C

Lab Sample ID:	LCS 220-52864/2-A	Analysis Batch:	220-53011	Instrument ID:	MSC
Client Matrix:	Water	Prep Batch:	220-52864	Lab File ID:	C24304.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	07/18/2011 1243	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	40.0	30.4	76	52 - 120	
Acenaphthylene	40.0	31.7	79	52 - 120	
Anthracene	40.0	35.4	88	60 - 120	
Benzo[a]anthracene	40.0	34.8	87	60 - 120	
Benzo[a]pyrene	40.0	34.9	87	51 - 120	
Benzo[b]fluoranthene	40.0	34.6	87	59 - 120	
Benzo[g,h,i]perylene	40.0	39.9	100	48 - 120	
Benzo[k]fluoranthene	40.0	35.5	89	58 - 120	
Bis(2-chloroethoxy)methane	40.0	30.1	75	48 - 120	
Bis(2-chloroethyl)ether	40.0	28.3	71	46 - 120	
Bis(2-ethylhexyl) phthalate	40.0	33.1	83	57 - 120	
Butyl benzyl phthalate	40.0	36.7	92	53 - 122	
Carbazole	40.0	33.1	83	62 - 120	
Chrysene	40.0	34.0	85	59 - 120	
Di-n-butyl phthalate	40.0	36.5	91	61 - 120	
Di-n-octyl phthalate	40.0	36.3	91	57 - 120	
4-Bromophenyl phenyl ether	40.0	33.1	83	60 - 120	
4-Chloroaniline	40.0	29.3	73	33 - 120	
2-Chloronaphthalene	40.0	27.8	69	46 - 120	
4-Chlorophenyl phenyl ether	40.0	31.7	79	58 - 120	
Dibenz(a,h)anthracene	40.0	40.5	101	47 - 120	
Dibenzofuran	40.0	31.5	79	56 - 120	
Diethyl phthalate	40.0	34.2	85	57 - 120	
Dimethyl phthalate	40.0	33.2	83	49 - 120	
1,2-Dichlorobenzene	40.0	23.0	58	35 - 120	
1,3-Dichlorobenzene	40.0	22.5	56	33 - 120	
1,4-Dichlorobenzene	40.0	22.4	56	34 - 120	
3,3'-Dichlorobenzidine	40.0	24.8	62	39 - 120	
2,4-Dinitrotoluene	40.0	34.2	85	46 - 124	
2,6-Dinitrotoluene	40.0	34.7	87	63 - 120	
Fluoranthene	40.0	35.1	88	56 - 120	
Fluorene	40.0	32.7	82	61 - 120	
Hexachlorobenzene	40.0	33.1	83	59 - 120	
Hexachlorobutadiene	40.0	21.9	55	30 - 120	
Hexachlorocyclopentadiene	40.0	23.6	59	15 - 120	
Hexachloroethane	40.0	22.0	55	29 - 120	
Indeno[1,2,3-cd]pyrene	40.0	41.3	103	48 - 120	
Isophorone	40.0	31.0	78	47 - 120	
2-Methylnaphthalene	40.0	26.9	67	44 - 120	
Naphthalene	40.0	26.9	67	42 - 120	
2-Nitroaniline	40.0	34.5	86	57 - 120	
3-Nitroaniline	40.0	32.2	80	54 - 120	
Nitrobenzene	40.0	29.1	73	46 - 120	
N-Nitrosodi-n-propylamine	40.0	30.6	77	49 - 120	
N-Nitrosodiphenylamine	40.0	33.4	84	62 - 120	
Phenanthrene	40.0	34.2	86	63 - 120	

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Lab Control Sample - Batch: 220-52864

Method: 8270C
Preparation: 3510C

Lab Sample ID:	LCS 220-52864/2-A	Analysis Batch:	220-53011	Instrument ID:	MSC
Client Matrix:	Water	Prep Batch:	220-52864	Lab File ID:	C24304.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	07/18/2011 1243	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Pyrene	40.0	37.3	93	62 - 120	
1,2,4-Trichlorobenzene	40.0	23.5	59	37 - 120	
4-Chloro-3-methylphenol	40.0	32.9	82	32 - 120	
2-Chlorophenol	40.0	26.8	67	18 - 120	
2-Methylphenol	40.0	25.2	63	25 - 120	
4-Methylphenol	80.0	46.6	58	21 - 120	
2,4-Dichlorophenol	40.0	30.4	76	18 - 120	
2,4-Dimethylphenol	40.0	29.5	74	26 - 120	
2,4-Dinitrophenol	40.0	31.8	80	17 - 128	
4,6-Dinitro-2-methylphenol	40.0	34.9	87	50 - 120	
2-Nitrophenol	40.0	30.8	77	36 - 120	
4-Nitrophenol	40.0	15.1	38	12 - 120	
Pentachlorophenol	40.0	32.8	82	50 - 120	
Phenol	40.0	11.5	29	10 - 120	
2,4,5-Trichlorophenol	40.0	33.0	83	23 - 123	
2,4,6-Trichlorophenol	40.0	32.6	81	18 - 125	
Benzyl alcohol	40.0	23.4	58	31 - 120	
4-Nitroaniline	40.0	32.2	81	54 - 120	
2,2'-oxybis[1-chloropropane]	40.0	29.8	74	45 - 120	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	72	39 - 120
2-Fluorophenol	43	13 - 120
2,4,6-Tribromophenol	87	36 - 120
Nitrobenzene-d5	76	40 - 120
Phenol-d5	30	10 - 120
Terphenyl-d14	90	10 - 120

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 220-52864

Method: 8270C
Preparation: 3510C

MS Lab Sample ID:	220-15975-8	Analysis Batch:	220-52963	Instrument ID:	MSZ
Client Matrix:	Water	Prep Batch:	220-52864	Lab File ID:	Z21701.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	930 mL
Analysis Date:	07/18/2011 1543			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	220-15975-8	Analysis Batch:	220-52963	Instrument ID:	MSZ
Client Matrix:	Water	Prep Batch:	220-52864	Lab File ID:	Z21702.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	950 mL
Analysis Date:	07/18/2011 1611			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	85	85	52 - 120	2	31		
Acenaphthylene	84	84	52 - 120	2	30		
Anthracene	92	92	60 - 120	2	30		
Benzo[a]anthracene	89	89	60 - 120	2	30		
Benzo[a]pyrene	94	94	51 - 120	2	30		
Benzo[b]fluoranthene	108	107	59 - 120	2	30		
Benzo[g,h,i]perylene	96	100	48 - 120	2	30		
Benzo[k]fluoranthene	112	111	58 - 120	3	30		
Bis(2-chloroethoxy)methane	81	80	48 - 120	3	30		
Bis(2-chloroethyl)ether	73	73	46 - 120	2	30		
Bis(2-ethylhexyl) phthalate	118	120	57 - 120	0	30		
Butyl benzyl phthalate	109	111	53 - 122	0	30		
Carbazole	94	94	62 - 120	2	30		
Chrysene	87	88	59 - 120	1	30		
Di-n-butyl phthalate	98	98	61 - 120	2	30		
Di-n-octyl phthalate	173	173	57 - 120	2	30	*	*
4-Bromophenyl phenyl ether	89	88	60 - 120	3	30		
4-Chloroaniline	78	77	33 - 120	3	30		
2-Chloronaphthalene	80	80	46 - 120	3	30		
4-Chlorophenyl phenyl ether	87	88	58 - 120	2	30		
Dibenz(a,h)anthracene	96	105	47 - 120	7	30		
Dibenzofuran	87	87	56 - 120	2	30		
Diethyl phthalate	93	94	57 - 120	1	30		
Dimethyl phthalate	89	89	49 - 120	2	30		
1,2-Dichlorobenzene	63	63	35 - 120	2	30		
1,3-Dichlorobenzene	62	62	33 - 120	2	30		
1,4-Dichlorobenzene	61	62	34 - 120	2	28		
3,3'-Dichlorobenzidine	14	15	39 - 120	5	30	*	*
2,4-Dinitrotoluene	92	93	46 - 124	1	38		
2,6-Dinitrotoluene	92	93	63 - 120	1	30		
Fluoranthene	95	94	56 - 120	2	30		
Fluorene	90	90	61 - 120	1	30		
Hexachlorobenzene	86	86	59 - 120	2	30		

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 220-52864

Method: 8270C
Preparation: 3510C

MS Lab Sample ID:	220-15975-8	Analysis Batch:	220-52963	Instrument ID:	MSZ
Client Matrix:	Water	Prep Batch:	220-52864	Lab File ID:	Z21701.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	930 mL
Analysis Date:	07/18/2011 1543			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	220-15975-8	Analysis Batch:	220-52963	Instrument ID:	MSZ
Client Matrix:	Water	Prep Batch:	220-52864	Lab File ID:	Z21702.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	950 mL
Analysis Date:	07/18/2011 1611			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Hexachlorobutadiene	63	62	30 - 120	4	30		
Hexachlorocyclopentadiene	54	54	15 - 120	3	30		
Hexachloroethane	59	59	29 - 120	2	30		
Indeno[1,2,3-cd]pyrene	93	98	48 - 120	3	30		
Isophorone	85	84	47 - 120	4	30		
2-Methylnaphthalene	78	76	44 - 120	4	30		
Naphthalene	74	73	42 - 120	3	30		
2-Nitroaniline	95	96	57 - 120	1	30		
3-Nitroaniline	84	84	54 - 120	2	30		
Nitrobenzene	79	78	46 - 120	3	30		
N-Nitrosodi-n-propylamine	81	80	49 - 120	3	38		
N-Nitrosodiphenylamine	90	89	62 - 120	3	30		
Phenanthrene	90	90	63 - 120	2	30		
Pyrene	94	98	62 - 120	2	31		
1,2,4-Trichlorobenzene	68	67	37 - 120	4	28		
4-Chloro-3-methylphenol	87	87	32 - 120	3	42		
2-Chlorophenol	69	67	18 - 120	5	40		
2-Methylphenol	68	64	25 - 120	8	30		
4-Methylphenol	62	59	21 - 120	6	30		
2,4-Dichlorophenol	81	80	18 - 120	3	30		
2,4-Dimethylphenol	83	83	26 - 120	2	30		
2,4-Dinitrophenol	74	75	17 - 128	1	30		
4,6-Dinitro-2-methylphenol	83	85	50 - 120	1	30		
2-Nitrophenol	79	79	36 - 120	2	30		
4-Nitrophenol	43	41	12 - 120	8	50		
Pentachlorophenol	99	99	50 - 120	2	50		
Phenol	31	29	10 - 120	11	42		
2,4,5-Trichlorophenol	91	91	23 - 123	3	30		
2,4,6-Trichlorophenol	89	88	18 - 125	2	30		
Benzyl alcohol	62	62	31 - 120	3	30		
4-Nitroaniline	91	92	54 - 120	1	30		
2,2'-oxybis[1-chloropropane]	79	78	45 - 120	3	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl	78	79	39 - 120
2-Fluorophenol	43	40	13 - 120
2,4,6-Tribromophenol	95	98	36 - 120
Nitrobenzene-d5	78	78	40 - 120
Phenol-d5	30	28	10 - 120
Terphenyl-d14	98	102	10 - 120

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 220-52864

Method: 8270C
Preparation: 3510C

MS Lab Sample ID:	220-15975-8	Units: ug/L	MSD Lab Sample ID: 220-15975-8
Client Matrix:	Water		Client Matrix: Water
Dilution:	1.0		Dilution: 1.0
Analysis Date:	07/18/2011 1543		Analysis Date: 07/18/2011 1611
Prep Date:	07/14/2011 1355		Prep Date: 07/14/2011 1355
Leach Date:	N/A		Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Acenaphthene	4.2	U	43.0	42.1	36.6		35.9	
Acenaphthylene	4.2	U	43.0	42.1	36.1		35.4	
Anthracene	4.2	U	43.0	42.1	39.4		38.6	
Benzo[a]anthracene	4.2	U	43.0	42.1	38.3		37.5	
Benzo[a]pyrene	4.2	U	43.0	42.1	40.3		39.5	
Benzo[b]fluoranthene	4.2	U	43.0	42.1	46.4		45.3	
Benzo[g,h,i]perylene	4.2	U	43.0	42.1	41.3		42.3	
Benzo[k]fluoranthene	4.2	U	43.0	42.1	48.2		46.7	
Bis(2-chloroethoxy)methane	4.2	U	43.0	42.1	34.7		33.7	
Bis(2-chloroethyl)ether	4.2	U	43.0	42.1	31.3		30.8	
Bis(2-ethylhexyl) phthalate	4.2	U	43.0	42.1	50.6		50.5	
Butyl benzyl phthalate	4.2	U	43.0	42.1	46.7		46.8	
Carbazole	4.2	U	43.0	42.1	40.4		39.8	
Chrysene	4.2	U	43.0	42.1	37.6		37.1	
Di-n-butyl phthalate	4.2	U	43.0	42.1	42.0		41.1	
Di-n-octyl phthalate	4.2	U	43.0	42.1	74.3	*	72.8	*
4-Bromophenyl phenyl ether	4.2	U	43.0	42.1	38.1		37.1	
4-Chloroaniline	4.2	U	43.0	42.1	33.5		32.4	
2-Chloronaphthalene	4.2	U	43.0	42.1	34.6		33.7	
4-Chlorophenyl phenyl ether	4.2	U	43.0	42.1	37.6		37.0	
Dibenz(a,h)anthracene	4.2	U	43.0	42.1	41.3		44.2	
Dibenzofuran	4.2	U	43.0	42.1	37.2		36.6	
Diethyl phthalate	4.2	U	43.0	42.1	40.0		39.7	
Dimethyl phthalate	4.2	U	43.0	42.1	38.4		37.6	
1,2-Dichlorobenzene	4.2	U	43.0	42.1	27.0		26.4	
1,3-Dichlorobenzene	4.2	U	43.0	42.1	26.5		25.9	
1,4-Dichlorobenzene	4.2	U	43.0	42.1	26.4		26.0	
3,3'-Dichlorobenzidine	4.2	U	43.0	42.1	6.12	*	6.43	*
2,4-Dinitrotoluene	4.2	U	43.0	42.1	39.7		39.1	
2,6-Dinitrotoluene	4.2	U	43.0	42.1	39.6		39.2	
Fluoranthene	4.2	U	43.0	42.1	40.6		39.8	
Fluorene	4.2	U	43.0	42.1	38.5		38.0	
Hexachlorobenzene	4.2	U	43.0	42.1	37.1		36.3	
Hexachlorobutadiene	4.2	U	43.0	42.1	27.2		26.3	
Hexachlorocyclopentadiene	4.2	U	43.0	42.1	23.3		22.6	
Hexachloroethane	4.2	U	43.0	42.1	25.5		24.9	
Indeno[1,2,3-cd]pyrene	4.2	U	43.0	42.1	39.8		41.2	
Isophorone	4.2	U	43.0	42.1	36.7		35.4	
2-Methylnaphthalene	4.2	U	43.0	42.1	33.6		32.2	
Naphthalene	4.2	U	43.0	42.1	31.7		30.8	
2-Nitroaniline	4.2	U	43.0	42.1	40.7		40.4	
3-Nitroaniline	4.2	U	43.0	42.1	35.9		35.3	
Nitrobenzene	4.2	U	43.0	42.1	33.8		32.7	

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 220-52864

Method: 8270C
Preparation: 3510C

MS Lab Sample ID:	220-15975-8	Units: ug/L	MSD Lab Sample ID:	220-15975-8	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	07/18/2011 1543		Analysis Date:	07/18/2011 1611	
Prep Date:	07/14/2011 1355		Prep Date:	07/14/2011 1355	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
N-Nitrosodi-n-propylamine	4.2	U	43.0	42.1	34.8	33.7
N-Nitrosodiphenylamine	4.2	U	43.0	42.1	38.6	37.5
Phenanthrene	4.2	U	43.0	42.1	38.7	37.9
Pyrene	4.2	U	43.0	42.1	40.5	41.3
1,2,4-Trichlorobenzene	4.2	U	43.0	42.1	29.3	28.2
4-Chloro-3-methylphenol	5.3	U	43.0	42.1	37.6	36.6
2-Chlorophenol	4.2	U	43.0	42.1	29.8	28.4
2-Methylphenol	4.2	U	43.0	42.1	29.1	27.0
4-Methylphenol	4.2	U	86.0	84.2	53.0	49.8
2,4-Dichlorophenol	4.2	U	43.0	42.1	34.7	33.7
2,4-Dimethylphenol	4.2	U	43.0	42.1	35.8	35.0
2,4-Dinitrophenol	26	U	43.0	42.1	31.8	31.5
4,6-Dinitro-2-methylphenol	26	U	43.0	42.1	35.6	35.8
2-Nitrophenol	4.2	U	43.0	42.1	34.0	33.2
4-Nitrophenol	11	U	43.0	42.1	18.6	17.1
Pentachlorophenol	26	U	43.0	42.1	42.6	41.7
Phenol	4.2	U	43.0	42.1	13.4	12.0
2,4,5-Trichlorophenol	11	U	43.0	42.1	39.2	38.2
2,4,6-Trichlorophenol	4.2	U	43.0	42.1	38.1	37.2
Benzyl alcohol	4.2	U	43.0	42.1	26.7	25.9
4-Nitroaniline	4.2	U	43.0	42.1	39.1	38.6
2,2'-oxybis[1-chloropropane]	4.2	U	43.0	42.1	33.8	32.8

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Method Blank - Batch: 220-52817

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 220-52817/1-A	Analysis Batch:	220-52870	Instrument ID:	ICAP3
Client Matrix:	Water	Prep Batch:	220-52817	Lab File ID:	071411d.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/14/2011 1125	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	07/13/2011 1324				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Silver	5.0	U	0.25	5.0
Aluminum	250	U	10.0	250
Arsenic	15.0	U	4.0	15.0
Barium	5.0	U	0.25	5.0
Beryllium	5.0	U	0.25	5.0
Calcium	500	U	50.0	500
Cadmium	5.0	U	1.0	5.0
Cobalt	5.0	U	0.50	5.0
Chromium	5.0	U	0.50	5.0
Copper	10.0	U	1.5	10.0
Iron	125	U	15.0	125
Potassium	500	U	50.0	500
Magnesium	500	U	5.0	500
Manganese	8.0	U	0.25	8.0
Sodium	500	U	50.0	500
Nickel	5.0	U	1.0	5.0
Lead	15.0	U	2.5	15.0
Antimony	15.0	U	5.0	15.0
Selenium	38.0	U	12.5	38.0
Thallium	15.0	U	3.5	15.0
Vanadium	5.0	U	1.0	5.0
Zinc	25.0	U	5.0	25.0

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Lab Control Sample - Batch: 220-52817

Method: 6010B
Preparation: 3010A

Lab Sample ID:	LCS 220-52817/2-A	Analysis Batch:	220-52870	Instrument ID:	ICAP3
Client Matrix:	Water	Prep Batch:	220-52817	Lab File ID:	071411d.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	07/14/2011 1128	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	07/13/2011 1324				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	300	312.6	104	80 - 120	
Aluminum	3330	3454	104	80 - 120	
Arsenic	1000	1039	104	80 - 120	
Barium	300	322.4	107	80 - 120	
Beryllium	100	111.1	111	80 - 120	
Calcium	6670	6965	104	80 - 120	
Cadmium	300	327.7	109	80 - 120	
Cobalt	300	328.6	110	80 - 120	
Chromium	300	326.4	109	80 - 120	
Copper	300	329.2	110	80 - 120	
Iron	3330	3545	106	80 - 120	
Potassium	26700	28400	106	80 - 120	
Magnesium	6670	7078	106	80 - 120	
Manganese	200	213.4	107	80 - 120	
Sodium	6670	6762	101	80 - 120	
Nickel	300	331.8	111	80 - 120	
Lead	1000	1078	108	80 - 120	
Antimony	1000	1054	105	80 - 120	
Selenium	500	548.3	110	80 - 120	
Thallium	1000	1108	111	80 - 120	
Vanadium	300	312.5	104	80 - 120	
Zinc	300	327.7	109	80 - 120	

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Method Blank - Batch: 220-53046

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 220-53046/1-A	Analysis Batch:	220-53096	Instrument ID:	ICAP3
Client Matrix:	Water	Prep Batch:	220-53046	Lab File ID:	072011d.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/20/2011 1322	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	07/19/2011 1445				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Silver	5.0	U	0.25	5.0
Aluminum	250	U	10.0	250
Arsenic	15.0	U	4.0	15.0
Barium	0.262	J	0.25	5.0
Beryllium	5.0	U	0.25	5.0
Calcium	500	U	50.0	500
Cadmium	5.0	U	1.0	5.0
Cobalt	5.0	U	0.50	5.0
Chromium	5.0	U	0.50	5.0
Copper	10.0	U	1.5	10.0
Iron	125	U	15.0	125
Potassium	500	U	50.0	500
Magnesium	500	U	5.0	500
Manganese	0.828	J	0.25	8.0
Sodium	500	U	50.0	500
Nickel	5.0	U	1.0	5.0
Lead	15.0	U	2.5	15.0
Antimony	15.0	U	5.0	15.0
Selenium	38.0	U	12.5	38.0
Thallium	15.0	U	3.5	15.0
Vanadium	5.0	U	1.0	5.0
Zinc	25.0	U	5.0	25.0

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Lab Control Sample - Batch: 220-53046

Method: 6010B
Preparation: 3010A

Lab Sample ID:	LCS 220-53046/2-A	Analysis Batch:	220-53096	Instrument ID:	ICAP3
Client Matrix:	Water	Prep Batch:	220-53046	Lab File ID:	072011d.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	07/20/2011 1350	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	07/19/2011 1445				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	300	299.6	100	80 - 120	
Aluminum	3330	3422	103	80 - 120	
Arsenic	1000	1010	101	80 - 120	
Barium	300	311.0	104	80 - 120	
Beryllium	100	107.1	107	80 - 120	
Calcium	6670	6926	104	80 - 120	
Cadmium	300	314.8	105	80 - 120	
Cobalt	300	320.2	107	80 - 120	
Chromium	300	314.1	105	80 - 120	
Copper	300	317.2	106	80 - 120	
Iron	3330	3517	106	80 - 120	
Potassium	26700	27390	103	80 - 120	
Magnesium	6670	7036	106	80 - 120	
Manganese	200	206.2	103	80 - 120	
Sodium	6670	6739	101	80 - 120	
Nickel	300	324.5	108	80 - 120	
Lead	1000	1058	106	80 - 120	
Antimony	1000	1061	106	80 - 120	
Selenium	500	532.9	107	80 - 120	
Thallium	1000	1080	108	80 - 120	
Vanadium	300	299.3	100	80 - 120	
Zinc	300	320.8	107	80 - 120	

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 220-53046

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	220-15975-8	Analysis Batch:	220-53096	Instrument ID:	ICAP3
Client Matrix:	Water	Prep Batch:	220-53046	Lab File ID:	072011d.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/20/2011 1344			Final Weight/Volume:	50 mL
Prep Date:	07/19/2011 1445				
Leach Date:	N/A				

MSD Lab Sample ID:	220-15975-8	Analysis Batch:	220-53096	Instrument ID:	ICAP3
Client Matrix:	Water	Prep Batch:	220-53046	Lab File ID:	072011d.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/20/2011 1347			Final Weight/Volume:	50 mL
Prep Date:	07/19/2011 1445				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	100	101	75 - 125	1	20		
Aluminum	104	105	75 - 125	1	20		
Arsenic	102	103	75 - 125	1	20		
Barium	100	108	75 - 125	2	20		
Beryllium	108	109	75 - 125	1	20		
Calcium	112	125	75 - 125	2	20	4	4
Cadmium	103	104	75 - 125	1	20		
Cobalt	104	105	75 - 125	1	20		
Chromium	103	105	75 - 125	2	20		
Copper	108	111	75 - 125	2	20		
Iron	105	105	75 - 125	0	20		
Potassium	102	105	75 - 125	2	20		
Magnesium	106	111	75 - 125	2	20		
Manganese	100	106	75 - 125	2	20		
Sodium	106	142	75 - 125	3	20	4	4
Nickel	105	106	75 - 125	1	20		
Lead	100	104	75 - 125	3	20		
Antimony	103	104	75 - 125	1	20		
Selenium	84	94	75 - 125	11	20		
Thallium	105	103	75 - 125	2	20		
Vanadium	101	102	75 - 125	1	20		
Zinc	108	107	75 - 125	0	20		

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 220-53046

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	220-15975-8	Units: ug/L	MSD Lab Sample ID:	220-15975-8	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	07/20/2011 1344		Analysis Date:	07/20/2011 1347	
Prep Date:	07/19/2011 1445		Prep Date:	07/19/2011 1445	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Silver	5.0	U	60.0	60.0	59.70		60.53	
Aluminum	250	U	1670	1670	1728		1743	
Arsenic	15.0	U	200	200	203.8		206.8	
Barium	234		60.0	60.0	293.9		298.8	
Beryllium	5.0	U	20.0	20.0	21.66		21.84	
Calcium	13900		3330	3330	17660	4	18100	4
Cadmium	5.0	U	60.0	60.0	61.78		62.43	
Cobalt	5.0	U	60.0	60.0	62.50		63.25	
Chromium	5.0	U	60.0	60.0	61.92		62.86	
Copper	10.0	U	60.0	60.0	65.08		66.31	
Iron	37.0	J	1670	1670	1787		1790	
Potassium	2500		7330	7330	9946		10180	
Magnesium	3540		3330	3330	7081		7245	
Manganese	82.5		40.0	40.0	122.5		124.9	
Sodium	39900		3330	3330	43470	4	44660	4
Nickel	5.0	U	60.0	60.0	62.77		63.63	
Lead	15.0	U	200	200	201.0		208.0	
Antimony	15.0	U	200	200	206.2		208.3	
Selenium	38.0	U	100	100	83.95		93.68	
Thallium	15.0	U	200	200	210.3		206.9	
Vanadium	5.0	U	60.0	60.0	60.44		61.19	
Zinc	25.0	U	60.0	60.0	64.54		64.43	

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Duplicate - Batch: 220-53046

Method: 6010B
Preparation: 3010A

Lab Sample ID:	220-15975-8	Analysis Batch:	220-53096	Instrument ID:	ICAP3
Client Matrix:	Water	Prep Batch:	220-53046	Lab File ID:	072011d.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/20/2011 1341	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	07/19/2011 1445				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Silver	5.0	U	5.0	NC	20	U
Aluminum	250	U	17.76	NC	20	J
Arsenic	15.0	U	15.0	NC	20	U
Barium	234		234.7	0.2	20	
Beryllium	5.0	U	5.0	NC	20	U
Calcium	13900		13960	0.2	20	
Cadmium	5.0	U	5.0	NC	20	U
Cobalt	5.0	U	5.0	NC	20	U
Chromium	5.0	U	5.0	NC	20	U
Copper	10.0	U	10.0	NC	20	U
Iron	37.0	J	36.99	0.002	20	J
Potassium	2500		2494	0.2	20	
Magnesium	3540		3544	0.06	20	
Manganese	82.5		82.12	0.5	20	
Sodium	39900		39890	0.1	20	
Nickel	5.0	U	5.0	NC	20	U
Lead	15.0	U	15.0	NC	20	U
Antimony	15.0	U	15.0	NC	20	U
Selenium	38.0	U	38.0	NC	20	U
Thallium	15.0	U	15.0	NC	20	U
Vanadium	5.0	U	5.0	NC	20	U
Zinc	25.0	U	25.0	NC	20	U

Serial Dilution - Batch: 220-53046

Method: 6010B
Preparation: 3010A

Lab Sample ID:	220-15975-8	Analysis Batch:	220-53096	Instrument ID:	ICAP3
Client Matrix:	Water	Prep Batch:	220-53046	Lab File ID:	072011d.prn
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/20/2011 1401	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	07/19/2011 1445				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Silver	5.0	U	25.0	NC	10	U
Aluminum	250	U	1250	NC	10	U
Arsenic	15.0	U	75.0	NC	10	U
Barium	234		249.1	6.4	10	
Beryllium	5.0	U	25.0	NC	10	U
Calcium	13900		14350	3.0	10	
Cadmium	5.0	U	25.0	NC	10	U

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Serial Dilution - Batch: 220-53046

Method: 6010B
Preparation: 3010A

Lab Sample ID:	220-15975-8	Analysis Batch:	220-53096	Instrument ID:	ICAP3
Client Matrix:	Water	Prep Batch:	220-53046	Lab File ID:	072011d.prn
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/20/2011 1401	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	07/19/2011 1445				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Cobalt	5.0	U	25.0	NC	10	U
Chromium	5.0	U	25.0	NC	10	U
Copper	10.0	U	50.0	NC	10	U
Iron	37.0	J	625	NC	10	U
Potassium	2500		2556	NC	10	
Magnesium	3540		3641	2.8	10	
Manganese	82.5		88.56	7.3	10	
Sodium	39900		40680	1.9	10	
Nickel	5.0	U	25.0	NC	10	U
Lead	15.0	U	75.0	NC	10	U
Antimony	15.0	U	75.0	NC	10	U
Selenium	38.0	U	190	NC	10	U
Thallium	15.0	U	75.0	NC	10	U
Vanadium	5.0	U	25.0	NC	10	U
Zinc	25.0	U	125	NC	10	U

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Method Blank - Batch: 220-53012

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 220-53012/1-A	Analysis Batch:	220-53033	Instrument ID:	MERC1
Client Matrix:	Water	Prep Batch:	220-53012	Lab File ID:	CV071911.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	40 mL
Analysis Date:	07/19/2011 1341	Units:	ug/L	Final Weight/Volume:	40 mL
Prep Date:	07/19/2011 1003				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.060	0.20

Lab Control Sample - Batch: 220-53012

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 220-53012/2-A	Analysis Batch:	220-53033	Instrument ID:	MERC1
Client Matrix:	Water	Prep Batch:	220-53012	Lab File ID:	CV071911.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	40 mL
Analysis Date:	07/19/2011 1342	Units:	ug/L	Final Weight/Volume:	40 mL
Prep Date:	07/19/2011 1003				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	5.02	100	80 - 120	

Matrix Spike - Batch: 220-53012

Method: 7470A
Preparation: 7470A

Lab Sample ID:	220-15975-1	Analysis Batch:	220-53033	Instrument ID:	MERC1
Client Matrix:	Water	Prep Batch:	220-53012	Lab File ID:	CV071911.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	40 mL
Analysis Date:	07/19/2011 1407	Units:	ug/L	Final Weight/Volume:	40 mL
Prep Date:	07/19/2011 1003				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.20	U	2.00	2.07	103	75 - 125	

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Duplicate - Batch: 220-53012

Method: 7470A
Preparation: 7470A

Lab Sample ID:	220-15975-1	Analysis Batch:	220-53033	Instrument ID:	MERC1
Client Matrix:	Water	Prep Batch:	220-53012	Lab File ID:	CV071911.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	40 mL
Analysis Date:	07/19/2011 1406	Units:	ug/L	Final Weight/Volume:	40 mL
Prep Date:	07/19/2011 1003				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.20	U	0.20	NC	20	U

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Method Blank - Batch: 220-53086

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 220-53086/1-A	Analysis Batch:	220-53143	Instrument ID:	MERC1
Client Matrix:	Water	Prep Batch:	220-53086	Lab File ID:	CV072111.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	40 mL
Analysis Date:	07/21/2011 1450	Units:	ug/L	Final Weight/Volume:	40 mL
Prep Date:	07/20/2011 1339				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.060	0.20

Lab Control Sample - Batch: 220-53086

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 220-53086/2-A	Analysis Batch:	220-53143	Instrument ID:	MERC1
Client Matrix:	Water	Prep Batch:	220-53086	Lab File ID:	CV072111.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	40 mL
Analysis Date:	07/21/2011 1451	Units:	ug/L	Final Weight/Volume:	40 mL
Prep Date:	07/20/2011 1339				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	5.13	103	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 220-53086

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	220-15975-8	Analysis Batch:	220-53143	Instrument ID:	MERC1
Client Matrix:	Water	Prep Batch:	220-53086	Lab File ID:	CV072111.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	40 mL
Analysis Date:	07/21/2011 1459			Final Weight/Volume:	40 mL
Prep Date:	07/20/2011 1339				
Leach Date:	N/A				

MSD Lab Sample ID:	220-15975-8	Analysis Batch:	220-53143	Instrument ID:	MERC1
Client Matrix:	Water	Prep Batch:	220-53086	Lab File ID:	CV072111.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	40 mL
Analysis Date:	07/21/2011 1500			Final Weight/Volume:	40 mL
Prep Date:	07/20/2011 1339				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	103	105	75 - 125	1	25		

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 220-53086

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	220-15975-8	Units: ug/L	MSD Lab Sample ID:	220-15975-8	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	07/21/2011 1459		Analysis Date:	07/21/2011 1500	
Prep Date:	07/20/2011 1339		Prep Date:	07/20/2011 1339	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	0.20	U	2.00	2.00	2.07	2.09

Duplicate - Batch: 220-53086

Method: 7470A
Preparation: 7470A

Lab Sample ID:	220-15975-8	Analysis Batch:	220-53143	Instrument ID:	MERC1
Client Matrix:	Water	Prep Batch:	220-53086	Lab File ID:	CV072111.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	40 mL
Analysis Date:	07/21/2011 1458	Units:	ug/L	Final Weight/Volume:	40 mL
Prep Date:	07/20/2011 1339				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.20	U	0.20	NC	20	U

DATA REPORTING QUALIFIERS

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	*	Duplicate RPD exceeds control limits
	J	Indicates an estimated value.
	*	LCS or LCSD exceeds the control limits
	*	MS or MSD exceeds the control limits
	B	The analyte was found in an associated blank, as well as in the sample.
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	MS or MSD exceeds the control limits
	*	Surrogate exceeds the control limit
	B	The analyte was found in an associated blank, as well as in the sample.
Metals		
	B	Compound was found in the blank and sample.
	U	Indicates analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Sample result is greater than the MDL but below the CRDL

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:220-52998					
LCS 220-52998/2	Lab Control Sample	T	Water	8260B	
MB 220-52998/4	Method Blank	T	Water	8260B	
220-15975-1FB	FB 0711	T	Water	8260B	
220-15975-2	MW-9	T	Water	8260B	
220-15975-3	MW-4	T	Water	8260B	
220-15975-5	MW-7	T	Water	8260B	
220-15975-6	MW-3	T	Water	8260B	
220-15975-7	MW-2	T	Water	8260B	
220-15975-8	MW-10	T	Water	8260B	
220-15975-8MS	Matrix Spike	T	Water	8260B	
220-15975-8MSD	Matrix Spike Duplicate	T	Water	8260B	
220-15975-9	MW-1	T	Water	8260B	
220-15975-10	MW-6	T	Water	8260B	
220-15975-11TB	TRIP BLANK	T	Water	8260B	
Analysis Batch:220-53156					
LCS 220-53156/2	Lab Control Sample	T	Water	8260B	
MB 220-53156/3	Method Blank	T	Water	8260B	
220-15975-4	MW-4D	T	Water	8260B	

Report Basis
T = Total

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 220-52864					
LCS 220-52864/2-A	Lab Control Sample	T	Water	3510C	
MB 220-52864/1-A	Method Blank	T	Water	3510C	
220-15975-1FB	FB 0711	T	Water	3510C	
220-15975-2	MW-9	T	Water	3510C	
220-15975-3	MW-4	T	Water	3510C	
220-15975-4	MW-4D	T	Water	3510C	
220-15975-5	MW-7	T	Water	3510C	
220-15975-6	MW-3	T	Water	3510C	
220-15975-7	MW-2	T	Water	3510C	
220-15975-8	MW-10	T	Water	3510C	
220-15975-8MS	Matrix Spike	T	Water	3510C	
220-15975-8MSD	Matrix Spike Duplicate	T	Water	3510C	
220-15975-9	MW-1	T	Water	3510C	
220-15975-10	MW-6	T	Water	3510C	
Analysis Batch:220-52963					
220-15975-1FB	FB 0711	T	Water	8270C	220-52864
220-15975-2	MW-9	T	Water	8270C	220-52864
220-15975-3	MW-4	T	Water	8270C	220-52864
220-15975-4	MW-4D	T	Water	8270C	220-52864
220-15975-5	MW-7	T	Water	8270C	220-52864
220-15975-8	MW-10	T	Water	8270C	220-52864
220-15975-8MS	Matrix Spike	T	Water	8270C	220-52864
220-15975-8MSD	Matrix Spike Duplicate	T	Water	8270C	220-52864
220-15975-10	MW-6	T	Water	8270C	220-52864
Analysis Batch:220-53011					
LCS 220-52864/2-A	Lab Control Sample	T	Water	8270C	220-52864
MB 220-52864/1-A	Method Blank	T	Water	8270C	220-52864
Analysis Batch:220-53063					
220-15975-6	MW-3	T	Water	8270C	220-52864
220-15975-7	MW-2	T	Water	8270C	220-52864
220-15975-9	MW-1	T	Water	8270C	220-52864

Report Basis
T = Total

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 220-52817					
LCS 220-52817/2-A	Lab Control Sample	T	Water	3010A	
MB 220-52817/1-A	Method Blank	T	Water	3010A	
220-15975-1FB	FB 0711	T	Water	3010A	
220-15975-2	MW-9	T	Water	3010A	
220-15975-3	MW-4	T	Water	3010A	
220-15975-4	MW-4D	T	Water	3010A	
220-15975-5	MW-7	T	Water	3010A	
Analysis Batch:220-52870					
LCS 220-52817/2-A	Lab Control Sample	T	Water	6010B	220-52817
MB 220-52817/1-A	Method Blank	T	Water	6010B	220-52817
220-15975-1FB	FB 0711	T	Water	6010B	220-52817
220-15975-2	MW-9	T	Water	6010B	220-52817
220-15975-3	MW-4	T	Water	6010B	220-52817
220-15975-4	MW-4D	T	Water	6010B	220-52817
220-15975-5	MW-7	T	Water	6010B	220-52817
Prep Batch: 220-53012					
LCS 220-53012/2-A	Lab Control Sample	T	Water	7470A	
MB 220-53012/1-A	Method Blank	T	Water	7470A	
220-15975-1FB	FB 0711	T	Water	7470A	
220-15975-1DU	Duplicate	T	Water	7470A	
220-15975-1MS	Matrix Spike	T	Water	7470A	
220-15975-2	MW-9	T	Water	7470A	
220-15975-3	MW-4	T	Water	7470A	
220-15975-4	MW-4D	T	Water	7470A	
220-15975-5	MW-7	T	Water	7470A	
220-15975-6	MW-3	T	Water	7470A	
220-15975-7	MW-2	T	Water	7470A	
Analysis Batch:220-53033					
LCS 220-53012/2-A	Lab Control Sample	T	Water	7470A	220-53012
MB 220-53012/1-A	Method Blank	T	Water	7470A	220-53012
220-15975-1FB	FB 0711	T	Water	7470A	220-53012
220-15975-1DU	Duplicate	T	Water	7470A	220-53012
220-15975-1MS	Matrix Spike	T	Water	7470A	220-53012
220-15975-2	MW-9	T	Water	7470A	220-53012
220-15975-3	MW-4	T	Water	7470A	220-53012
220-15975-4	MW-4D	T	Water	7470A	220-53012
220-15975-5	MW-7	T	Water	7470A	220-53012
220-15975-6	MW-3	T	Water	7470A	220-53012
220-15975-7	MW-2	T	Water	7470A	220-53012

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 220-53046					
LCS 220-53046/2-A	Lab Control Sample	T	Water	3010A	
MB 220-53046/1-A	Method Blank	T	Water	3010A	
220-15975-6	MW-3	T	Water	3010A	
220-15975-7	MW-2	T	Water	3010A	
220-15975-8	MW-10	T	Water	3010A	
220-15975-8DU	Duplicate	T	Water	3010A	
220-15975-8MS	Matrix Spike	T	Water	3010A	
220-15975-8MSD	Matrix Spike Duplicate	T	Water	3010A	
220-15975-9	MW-1	T	Water	3010A	
220-15975-10	MW-6	T	Water	3010A	
Prep Batch: 220-53086					
LCS 220-53086/2-A	Lab Control Sample	T	Water	7470A	
MB 220-53086/1-A	Method Blank	T	Water	7470A	
220-15975-8	MW-10	T	Water	7470A	
220-15975-8DU	Duplicate	T	Water	7470A	
220-15975-8MS	Matrix Spike	T	Water	7470A	
220-15975-8MSD	Matrix Spike Duplicate	T	Water	7470A	
220-15975-9	MW-1	T	Water	7470A	
220-15975-10	MW-6	T	Water	7470A	
Analysis Batch:220-53096					
LCS 220-53046/2-A	Lab Control Sample	T	Water	6010B	220-53046
MB 220-53046/1-A	Method Blank	T	Water	6010B	220-53046
220-15975-6	MW-3	T	Water	6010B	220-53046
220-15975-7	MW-2	T	Water	6010B	220-53046
220-15975-8	MW-10	T	Water	6010B	220-53046
220-15975-8DU	Duplicate	T	Water	6010B	220-53046
220-15975-8MS	Matrix Spike	T	Water	6010B	220-53046
220-15975-8MSD	Matrix Spike Duplicate	T	Water	6010B	220-53046
220-15975-9	MW-1	T	Water	6010B	220-53046
220-15975-10	MW-6	T	Water	6010B	220-53046
Analysis Batch:220-53143					
LCS 220-53086/2-A	Lab Control Sample	T	Water	7470A	220-53086
MB 220-53086/1-A	Method Blank	T	Water	7470A	220-53086
220-15975-8	MW-10	T	Water	7470A	220-53086
220-15975-8DU	Duplicate	T	Water	7470A	220-53086
220-15975-8MS	Matrix Spike	T	Water	7470A	220-53086
220-15975-8MSD	Matrix Spike Duplicate	T	Water	7470A	220-53086
220-15975-9	MW-1	T	Water	7470A	220-53086
220-15975-10	MW-6	T	Water	7470A	220-53086

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis
T = Total

Client: FPM Group Limited Job Number: 220-15975-1

Laboratory Chronicle

Lab ID: 220-15975-1 **Client ID: FB 0711**

Sample Date/Time: 07/11/2011 09:50 Received Date/Time: 07/12/2011 19:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-15975-B-1		220-52998		07/18/2011 21:55	1	TAL CT	EL
A:8260B	220-15975-B-1		220-52998		07/18/2011 21:55	1	TAL CT	EL
P:3510C	220-15975-E-1-A		220-52963	220-52864	07/14/2011 13:55	1	TAL CT	TF
A:8270C	220-15975-E-1-A		220-52963	220-52864	07/18/2011 11:56	1	TAL CT	SJ
P:3010A	220-15975-D-1-A		220-52870	220-52817	07/13/2011 13:24	1	TAL CT	JFV
A:6010B	220-15975-D-1-A		220-52870	220-52817	07/14/2011 12:46	1	TAL CT	NP
P:7470A	220-15975-D-1-B		220-53033	220-53012	07/19/2011 10:03	1	TAL CT	JFV
A:7470A	220-15975-D-1-B		220-53033	220-53012	07/19/2011 14:06	1	TAL CT	JFV

Lab ID: 220-15975-1 MS **Client ID: FB 0711**

Sample Date/Time: 07/11/2011 09:50 Received Date/Time: 07/12/2011 19:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7470A	220-15975-D-1-D MS		220-53033	220-53012	07/19/2011 10:03	1	TAL CT	JFV
A:7470A	220-15975-D-1-D MS		220-53033	220-53012	07/19/2011 14:07	1	TAL CT	JFV

Lab ID: 220-15975-1 DU **Client ID: FB 0711**

Sample Date/Time: 07/11/2011 09:50 Received Date/Time: 07/12/2011 19:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7470A	220-15975-D-1-C DU		220-53033	220-53012	07/19/2011 10:03	1	TAL CT	JFV
A:7470A	220-15975-D-1-C DU		220-53033	220-53012	07/19/2011 14:06	1	TAL CT	JFV

Lab ID: 220-15975-2 **Client ID: MW-9**

Sample Date/Time: 07/11/2011 10:10 Received Date/Time: 07/12/2011 19:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-15975-A-2		220-52998		07/19/2011 00:22	1	TAL CT	EL
A:8260B	220-15975-A-2		220-52998		07/19/2011 00:22	1	TAL CT	EL
P:3510C	220-15975-E-2-A		220-52963	220-52864	07/14/2011 13:55	1	TAL CT	TF
A:8270C	220-15975-E-2-A		220-52963	220-52864	07/18/2011 12:25	1	TAL CT	SJ
P:3010A	220-15975-D-2-A		220-52870	220-52817	07/13/2011 13:24	1	TAL CT	JFV
A:6010B	220-15975-D-2-A		220-52870	220-52817	07/14/2011 12:49	1	TAL CT	NP
P:7470A	220-15975-D-2-B		220-53033	220-53012	07/19/2011 10:03	1	TAL CT	JFV
A:7470A	220-15975-D-2-B		220-53033	220-53012	07/19/2011 14:09	1	TAL CT	JFV

Client: FPM Group Limited Job Number: 220-15975-1

Laboratory Chronicle

Lab ID: 220-15975-3 **Client ID: MW-4**

Sample Date/Time: 07/11/2011 10:55 Received Date/Time: 07/12/2011 19:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-15975-A-3		220-52998		07/19/2011 00:46	1	TAL CT	EL
A:8260B	220-15975-A-3		220-52998		07/19/2011 00:46	1	TAL CT	EL
P:3510C	220-15975-E-3-A		220-52963	220-52864	07/14/2011 13:55	1	TAL CT	TF
A:8270C	220-15975-E-3-A		220-52963	220-52864	07/18/2011 12:53	1	TAL CT	SJ
P:3010A	220-15975-D-3-A		220-52870	220-52817	07/13/2011 13:24	1	TAL CT	JFV
A:6010B	220-15975-D-3-A		220-52870	220-52817	07/14/2011 12:52	1	TAL CT	NP
P:7470A	220-15975-D-3-B		220-53033	220-53012	07/19/2011 10:03	1	TAL CT	JFV
A:7470A	220-15975-D-3-B		220-53033	220-53012	07/19/2011 14:10	1	TAL CT	JFV

Lab ID: 220-15975-4 **Client ID: MW-4D**

Sample Date/Time: 07/11/2011 11:00 Received Date/Time: 07/12/2011 19:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-15975-C-4		220-53156		07/21/2011 13:38	1	TAL CT	BK
A:8260B	220-15975-C-4		220-53156		07/21/2011 13:38	1	TAL CT	BK
P:3510C	220-15975-E-4-A		220-52963	220-52864	07/14/2011 13:55	1	TAL CT	TF
A:8270C	220-15975-E-4-A		220-52963	220-52864	07/18/2011 13:22	1	TAL CT	SJ
P:3010A	220-15975-D-4-A		220-52870	220-52817	07/13/2011 13:24	1	TAL CT	JFV
A:6010B	220-15975-D-4-A		220-52870	220-52817	07/14/2011 12:55	1	TAL CT	NP
P:7470A	220-15975-D-4-B		220-53033	220-53012	07/19/2011 10:03	1	TAL CT	JFV
A:7470A	220-15975-D-4-B		220-53033	220-53012	07/19/2011 14:10	1	TAL CT	JFV

Lab ID: 220-15975-5 **Client ID: MW-7**

Sample Date/Time: 07/11/2011 12:30 Received Date/Time: 07/12/2011 19:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-15975-A-5		220-52998		07/19/2011 01:34	1	TAL CT	EL
A:8260B	220-15975-A-5		220-52998		07/19/2011 01:34	1	TAL CT	EL
P:3510C	220-15975-E-5-A		220-52963	220-52864	07/14/2011 13:55	1	TAL CT	TF
A:8270C	220-15975-E-5-A		220-52963	220-52864	07/18/2011 13:50	1	TAL CT	SJ
P:3010A	220-15975-D-5-A		220-52870	220-52817	07/13/2011 13:24	1	TAL CT	JFV
A:6010B	220-15975-D-5-A		220-52870	220-52817	07/14/2011 12:58	1	TAL CT	NP
P:7470A	220-15975-D-5-B		220-53033	220-53012	07/19/2011 10:03	1	TAL CT	JFV
A:7470A	220-15975-D-5-B		220-53033	220-53012	07/19/2011 14:11	1	TAL CT	JFV

Client: FPM Group Limited Job Number: 220-15975-1

Laboratory Chronicle

Lab ID: 220-15975-6 **Client ID: MW-3**

Sample Date/Time: 07/11/2011 12:55 Received Date/Time: 07/12/2011 19:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-15975-A-6		220-52998		07/19/2011 01:58	1	TAL CT	EL
A:8260B	220-15975-A-6		220-52998		07/19/2011 01:58	1	TAL CT	EL
P:3510C	220-15975-E-6-A		220-53063	220-52864	07/14/2011 13:55	1	TAL CT	TF
A:8270C	220-15975-E-6-A		220-53063	220-52864	07/19/2011 20:19	1	TAL CT	SJ
P:3010A	220-15975-D-6-B		220-53096	220-53046	07/19/2011 14:45	1	TAL CT	MH
A:6010B	220-15975-D-6-B		220-53096	220-53046	07/20/2011 14:19	1	TAL CT	NP
P:7470A	220-15975-D-6-A		220-53033	220-53012	07/19/2011 10:03	1	TAL CT	JFV
A:7470A	220-15975-D-6-A		220-53033	220-53012	07/19/2011 14:12	1	TAL CT	JFV

Lab ID: 220-15975-7 **Client ID: MW-2**

Sample Date/Time: 07/11/2011 14:00 Received Date/Time: 07/12/2011 19:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-15975-A-7		220-52998		07/19/2011 02:23	1	TAL CT	EL
A:8260B	220-15975-A-7		220-52998		07/19/2011 02:23	1	TAL CT	EL
P:3510C	220-15975-E-7-A		220-53063	220-52864	07/14/2011 13:55	1	TAL CT	TF
A:8270C	220-15975-E-7-A		220-53063	220-52864	07/19/2011 20:50	1	TAL CT	SJ
P:3010A	220-15975-D-7-B		220-53096	220-53046	07/19/2011 14:45	1	TAL CT	MH
A:6010B	220-15975-D-7-B		220-53096	220-53046	07/20/2011 14:22	1	TAL CT	NP
P:7470A	220-15975-D-7-A		220-53033	220-53012	07/19/2011 10:03	1	TAL CT	JFV
A:7470A	220-15975-D-7-A		220-53033	220-53012	07/19/2011 14:13	1	TAL CT	JFV

Lab ID: 220-15975-8 **Client ID: MW-10**

Sample Date/Time: 07/11/2011 15:00 Received Date/Time: 07/12/2011 19:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-15975-A-8		220-52998		07/19/2011 02:47	1	TAL CT	EL
A:8260B	220-15975-A-8		220-52998		07/19/2011 02:47	1	TAL CT	EL
P:3510C	220-15975-E-8-A		220-52963	220-52864	07/14/2011 13:55	1	TAL CT	TF
A:8270C	220-15975-E-8-A		220-52963	220-52864	07/18/2011 15:14	1	TAL CT	SJ
P:3010A	220-15975-D-8-A		220-53096	220-53046	07/19/2011 14:45	1	TAL CT	MH
A:6010B	220-15975-D-8-A		220-53096	220-53046	07/20/2011 13:38	1	TAL CT	NP
P:7470A	220-15975-D-8-E		220-53143	220-53086	07/20/2011 13:39	1	TAL CT	JFV
A:7470A	220-15975-D-8-E		220-53143	220-53086	07/21/2011 14:57	1	TAL CT	JFV

Client: FPM Group Limited Job Number: 220-15975-1

Laboratory Chronicle

Lab ID: 220-15975-8 **Client ID: MW-10**

Sample Date/Time: 07/11/2011 15:00 Received Date/Time: 07/12/2011 19:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-15975-A-8 MS		220-52998		07/19/2011 05:37	1	TAL CT	EL
A:8260B	220-15975-A-8 MS		220-52998		07/19/2011 05:37	1	TAL CT	EL
P:3510C	220-15975-E-8-B MS		220-52963	220-52864	07/14/2011 13:55	1	TAL CT	TF
A:8270C	220-15975-E-8-B MS		220-52963	220-52864	07/18/2011 15:43	1	TAL CT	SJ
P:3010A	220-15975-D-8-C MS		220-53096	220-53046	07/19/2011 14:45	1	TAL CT	MH
A:6010B	220-15975-D-8-C MS		220-53096	220-53046	07/20/2011 13:44	1	TAL CT	NP
P:7470A	220-15975-D-8-G MS		220-53143	220-53086	07/20/2011 13:39	1	TAL CT	JFV
A:7470A	220-15975-D-8-G MS		220-53143	220-53086	07/21/2011 14:59	1	TAL CT	JFV

Lab ID: 220-15975-8 **Client ID: MW-10**

Sample Date/Time: 07/11/2011 15:00 Received Date/Time: 07/12/2011 19:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-15975-A-8 MSD		220-52998		07/19/2011 06:01	1	TAL CT	EL
A:8260B	220-15975-A-8 MSD		220-52998		07/19/2011 06:01	1	TAL CT	EL
P:3510C	220-15975-E-8-C MSD		220-52963	220-52864	07/14/2011 13:55	1	TAL CT	TF
A:8270C	220-15975-E-8-C MSD		220-52963	220-52864	07/18/2011 16:11	1	TAL CT	SJ
P:3010A	220-15975-D-8-D MSD		220-53096	220-53046	07/19/2011 14:45	1	TAL CT	MH
A:6010B	220-15975-D-8-D MSD		220-53096	220-53046	07/20/2011 13:47	1	TAL CT	NP
P:7470A	220-15975-D-8-H MSD		220-53143	220-53086	07/20/2011 13:39	1	TAL CT	JFV
A:7470A	220-15975-D-8-H MSD		220-53143	220-53086	07/21/2011 15:00	1	TAL CT	JFV

Lab ID: 220-15975-8 DU **Client ID: MW-10**

Sample Date/Time: 07/11/2011 15:00 Received Date/Time: 07/12/2011 19:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	220-15975-D-8-B DU		220-53096	220-53046	07/19/2011 14:45	1	TAL CT	MH
A:6010B	220-15975-D-8-B DU		220-53096	220-53046	07/20/2011 13:41	1	TAL CT	NP
P:7470A	220-15975-D-8-F DU		220-53143	220-53086	07/20/2011 13:39	1	TAL CT	JFV
A:7470A	220-15975-D-8-F DU		220-53143	220-53086	07/21/2011 14:58	1	TAL CT	JFV

Client: FPM Group Limited Job Number: 220-15975-1

Laboratory Chronicle

Lab ID: 220-15975-8 SD **Client ID: MW-10**

Sample Date/Time: 07/11/2011 15:00 Received Date/Time: 07/12/2011 19:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	220-15975-D-8-A SD ^5		220-53096	220-53046	07/19/2011 14:45	5	TAL CT	MH
A:6010B	220-15975-D-8-A SD ^5		220-53096	220-53046	07/20/2011 14:01	5	TAL CT	NP

Lab ID: 220-15975-9 **Client ID: MW-1**

Sample Date/Time: 07/11/2011 15:40 Received Date/Time: 07/12/2011 19:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-15975-A-9		220-52998		07/19/2011 03:11	1	TAL CT	EL
A:8260B	220-15975-A-9		220-52998		07/19/2011 03:11	1	TAL CT	EL
P:3510C	220-15975-E-9-A		220-53063	220-52864	07/14/2011 13:55	1	TAL CT	TF
A:8270C	220-15975-E-9-A		220-53063	220-52864	07/19/2011 21:21	1	TAL CT	SJ
P:3010A	220-15975-D-9-A		220-53096	220-53046	07/19/2011 14:45	1	TAL CT	MH
A:6010B	220-15975-D-9-A		220-53096	220-53046	07/20/2011 14:25	1	TAL CT	NP
P:7470A	220-15975-D-9-B		220-53143	220-53086	07/20/2011 13:39	1	TAL CT	JFV
A:7470A	220-15975-D-9-B		220-53143	220-53086	07/21/2011 15:03	1	TAL CT	JFV

Lab ID: 220-15975-10 **Client ID: MW-6**

Sample Date/Time: 07/11/2011 16:00 Received Date/Time: 07/12/2011 19:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-15975-A-10		220-52998		07/19/2011 03:35	1	TAL CT	EL
A:8260B	220-15975-A-10		220-52998		07/19/2011 03:35	1	TAL CT	EL
P:3510C	220-15975-E-10-A		220-52963	220-52864	07/14/2011 13:55	1	TAL CT	TF
A:8270C	220-15975-E-10-A		220-52963	220-52864	07/18/2011 17:07	1	TAL CT	SJ
P:3010A	220-15975-D-10-A		220-53096	220-53046	07/19/2011 14:45	1	TAL CT	MH
A:6010B	220-15975-D-10-A		220-53096	220-53046	07/20/2011 14:28	1	TAL CT	NP
P:7470A	220-15975-D-10-B		220-53143	220-53086	07/20/2011 13:39	1	TAL CT	JFV
A:7470A	220-15975-D-10-B		220-53143	220-53086	07/21/2011 15:04	1	TAL CT	JFV

Lab ID: 220-15975-11 **Client ID: TRIP BLANK**

Sample Date/Time: 07/11/2011 09:50 Received Date/Time: 07/12/2011 19:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-15975-B-11		220-52998		07/18/2011 22:20	1	TAL CT	EL
A:8260B	220-15975-B-11		220-52998		07/18/2011 22:20	1	TAL CT	EL

Client: FPM Group Limited

Job Number: 220-15975-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 220-52998/4		220-52998		07/18/2011 20:06	1	TAL CT	EL
A:8260B	MB 220-52998/4		220-52998		07/18/2011 20:06	1	TAL CT	EL
P:5030B	MB 220-53156/3		220-53156		07/21/2011 11:48	1	TAL CT	BK
A:8260B	MB 220-53156/3		220-53156		07/21/2011 11:48	1	TAL CT	BK
P:3510C	MB 220-52864/1-A		220-53011	220-52864	07/14/2011 13:55	1	TAL CT	TF
A:8270C	MB 220-52864/1-A		220-53011	220-52864	07/18/2011 12:09	1	TAL CT	SJ
P:3010A	MB 220-52817/1-A		220-52870	220-52817	07/13/2011 13:24	1	TAL CT	JFV
A:6010B	MB 220-52817/1-A		220-52870	220-52817	07/14/2011 11:25	1	TAL CT	NP
P:3010A	MB 220-53046/1-A		220-53096	220-53046	07/19/2011 14:45	1	TAL CT	MH
A:6010B	MB 220-53046/1-A		220-53096	220-53046	07/20/2011 13:22	1	TAL CT	NP
P:7470A	MB 220-53012/1-A		220-53033	220-53012	07/19/2011 10:03	1	TAL CT	JFV
A:7470A	MB 220-53012/1-A		220-53033	220-53012	07/19/2011 13:41	1	TAL CT	JFV
P:7470A	MB 220-53086/1-A		220-53143	220-53086	07/20/2011 13:39	1	TAL CT	JFV
A:7470A	MB 220-53086/1-A		220-53143	220-53086	07/21/2011 14:50	1	TAL CT	JFV

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 220-52998/2		220-52998		07/18/2011 19:18	1	TAL CT	EL
A:8260B	LCS 220-52998/2		220-52998		07/18/2011 19:18	1	TAL CT	EL
P:5030B	LCS 220-53156/2		220-53156		07/21/2011 10:54	1	TAL CT	BK
A:8260B	LCS 220-53156/2		220-53156		07/21/2011 10:54	1	TAL CT	BK
P:3510C	LCS 220-52864/2-A		220-53011	220-52864	07/14/2011 13:55	1	TAL CT	TF
A:8270C	LCS 220-52864/2-A		220-53011	220-52864	07/18/2011 12:43	1	TAL CT	SJ
P:3010A	LCS 220-52817/2-A		220-52870	220-52817	07/13/2011 13:24	1	TAL CT	JFV
A:6010B	LCS 220-52817/2-A		220-52870	220-52817	07/14/2011 11:28	1	TAL CT	NP
P:3010A	LCS 220-53046/2-A		220-53096	220-53046	07/19/2011 14:45	1	TAL CT	MH
A:6010B	LCS 220-53046/2-A		220-53096	220-53046	07/20/2011 13:50	1	TAL CT	NP
P:7470A	LCS 220-53012/2-A		220-53033	220-53012	07/19/2011 10:03	1	TAL CT	JFV
A:7470A	LCS 220-53012/2-A		220-53033	220-53012	07/19/2011 13:42	1	TAL CT	JFV
P:7470A	LCS 220-53086/2-A		220-53143	220-53086	07/20/2011 13:39	1	TAL CT	JFV
A:7470A	LCS 220-53086/2-A		220-53143	220-53086	07/21/2011 14:51	1	TAL CT	JFV

Lab References:

TAL CT = TestAmerica Connecticut

Method 8260B

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
FB 0711	220-15975-1	75	72	74	72
MW-9	220-15975-2	70	67	70	70
MW-4	220-15975-3	71	68	71	68
MW-4D	220-15975-4	101	113	81	77
MW-7	220-15975-5	73	67	72	73
MW-3	220-15975-6	73	67	71	70
MW-2	220-15975-7	74	71	76	75
MW-10	220-15975-8	71	66	72	68
MW-1	220-15975-9	73	69	71	72
MW-6	220-15975-10	72	67	71	71
TRIP BLANK	220-15975-11	72	68	70	67
	MB 220-52998/4	73	69	72	70
	MB 220-53156/3	105	114	83	76
	LCS 220-52998/2	71	68	70	69
	LCS 220-53156/2	102	106	82	77
MW-10 MS	220-15975-8 MS	71	68	73	71
MW-10 MSD	220-15975-8 MSD	76	72	76	76

	QC LIMITS
DBFM = Dibromofluoromethane	68-132
DCA = 1,2-Dichloroethane-d4 (Surr)	65-136
TOL = Toluene-d8 (Surr)	63-127
BFB = 4-Bromofluorobenzene	51-142

Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L0398.D

Lab ID: LCS 220-52998/2 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	20.0	27.2	136	41-150	
Benzene	20.0	21.3	106	66-131	
Bromodichloromethane	20.0	19.7	99	78-120	
Bromoform	20.0	18.6	93	66-120	
Bromomethane	20.0	27.7	138	47-150	
Methyl Ethyl Ketone	20.0	21.6	108	42-150	
Carbon disulfide	20.0	20.7	103	55-150	
Carbon tetrachloride	20.0	20.9	105	69-135	
Chlorobenzene	20.0	19.9	99	68-120	
Chloroethane	20.0	25.4	127	49-150	
Chloroform	20.0	20.2	101	77-126	
Chloromethane	20.0	19.6	98	33-150	
Dibromochloromethane	20.0	18.6	93	75-120	
1,1-Dichloroethane	20.0	21.0	105	75-130	
1,2-Dichloroethane	20.0	19.9	100	73-127	
1,1-Dichloroethene	20.0	22.3	112	65-142	
1,2-Dichloropropane	20.0	21.0	105	69-129	
cis-1,3-Dichloropropene	20.0	20.3	102	63-120	
trans-1,3-Dichloropropene	20.0	20.5	102	73-120	
Ethylbenzene	20.0	19.9	100	62-120	
2-Hexanone	20.0	19.8	99	46-150	
Methylene Chloride	20.0	21.1	106	56-138	
methyl isobutyl ketone	20.0	19.3	96	70-122	
Styrene	20.0	19.5	97	47-120	
1,1,2,2-Tetrachloroethane	20.0	19.9	100	75-124	
Tetrachloroethene	20.0	19.1	95	50-120	
Toluene	20.0	19.8	99	66-120	
1,1,1-Trichloroethane	20.0	19.9	100	73-135	
1,1,2-Trichloroethane	20.0	20.5	102	76-125	
Trichloroethene	20.0	21.3	106	60-122	
Vinyl chloride	20.0	21.0	105	61-150	
Xylenes, Total	60.0	59.6	99	58-120	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V2442.D

Lab ID: LCS 220-53156/2 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	10.0	8.52 J	85	41-150	
Benzene	10.0	9.91	99	66-131	
Bromodichloromethane	10.0	11.1	111	78-120	
Bromoform	10.0	10.1	101	66-120	
Bromomethane	10.0	9.39	94	47-150	
Methyl Ethyl Ketone	10.0	7.40 J	74	42-150	
Carbon disulfide	10.0	9.26	93	55-150	
Carbon tetrachloride	10.0	13.3	133	69-135	
Chlorobenzene	10.0	9.66	97	68-120	
Chloroethane	10.0	12.0	120	49-150	
Chloroform	10.0	10.8	108	77-126	
Chloromethane	10.0	8.88	89	33-150	
Dibromochloromethane	10.0	9.27	93	75-120	
1,1-Dichloroethane	10.0	10.9	109	75-130	
1,2-Dichloroethane	10.0	13.0	130	73-127	*
1,1-Dichloroethene	10.0	11.2	112	65-142	
1,2-Dichloropropane	10.0	9.15	91	69-129	
cis-1,3-Dichloropropene	10.0	9.46	95	63-120	
trans-1,3-Dichloropropene	10.0	10.4	104	73-120	
Ethylbenzene	10.0	9.57	96	62-120	
2-Hexanone	10.0	9.45 J	94	46-150	
Methylene Chloride	10.0	9.76	98	56-138	
methyl isobutyl ketone	10.0	7.91 J	79	70-122	
Styrene	10.0	9.24	92	47-120	
1,1,2,2-Tetrachloroethane	10.0	8.19	82	75-124	
Tetrachloroethene	10.0	10.7	107	50-120	
Toluene	10.0	9.25	92	66-120	
1,1,1-Trichloroethane	10.0	14.4	144	73-135	*
1,1,2-Trichloroethane	10.0	10.2	102	76-125	
Trichloroethene	10.0	10.4	104	60-122	
Vinyl chloride	10.0	10.3	103	61-150	
Xylenes, Total	30.0	28.5	95	58-120	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L0423.D

Lab ID: 220-15975-8 MS Client ID: MW-10 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acetone	50.0	10 U	51.9	104	41-150	
Benzene	50.0	5.0 U	53.1	106	66-131	
Bromodichloromethane	50.0	5.0 U	47.8	96	78-120	
Bromoform	50.0	5.0 U	41.9	84	66-120	
Bromomethane	50.0	5.0 U	37.7	75	47-150	
Methyl Ethyl Ketone	50.0	10 U	41.8	84	42-150	
Carbon disulfide	50.0	5.0 U	54.5	109	55-150	
Carbon tetrachloride	50.0	5.0 U	48.0	96	69-135	
Chlorobenzene	50.0	5.0 U	48.4	97	68-120	
Chloroethane	50.0	5.0 U	79.1	158	49-150	*
Chloroform	50.0	5.0 U	49.7	99	77-126	
Chloromethane	50.0	5.0 U	81.9	164	33-150	*
Dibromochloromethane	50.0	5.0 U	45.1	90	75-120	
1,1-Dichloroethane	50.0	5.0 U	51.7	103	75-130	
1,2-Dichloroethane	50.0	5.0 U	47.5	95	73-127	
1,1-Dichloroethene	50.0	5.0 U	55.8	112	65-142	
1,2-Dichloropropane	50.0	5.0 U	53.8	108	69-129	
cis-1,3-Dichloropropene	50.0	5.0 U	35.9	72	63-120	
trans-1,3-Dichloropropene	50.0	5.0 U	34.8	70	73-120	*
Ethylbenzene	50.0	5.0 U	49.0	98	62-120	
2-Hexanone	50.0	10 U	45.5	91	46-150	
Methylene Chloride	50.0	5.0 U	45.0	90	56-138	
methyl isobutyl ketone	50.0	10 U	45.3	91	70-122	
Styrene	50.0	5.0 U	47.5	95	47-120	
1,1,2,2-Tetrachloroethane	50.0	5.0 U	45.9	92	75-124	
Tetrachloroethene	50.0	5.0 U	47.9	96	50-120	
Toluene	50.0	5.0 U	49.4	99	66-120	
1,1,1-Trichloroethane	50.0	5.0 U	50.3	101	73-135	
1,1,2-Trichloroethane	50.0	5.0 U	50.1	100	76-125	
Trichloroethene	50.0	5.0 U	53.8	108	60-122	
Vinyl chloride	50.0	5.0 U	66.4	133	61-150	
Xylenes, Total	150	5.0 U	148	99	58-120	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L0424.D

Lab ID: 220-15975-8 MSD Client ID: MW-10 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	50.0	61.5	123	17	20	41-150	
Benzene	50.0	59.7	119	12	20	66-131	
Bromodichloromethane	50.0	53.5	107	11	20	78-120	
Bromoform	50.0	48.6	97	15	20	66-120	
Bromomethane	50.0	50.2	100	28	20	47-150	*
Methyl Ethyl Ketone	50.0	51.1	102	20	20	42-150	
Carbon disulfide	50.0	61.7	123	12	20	55-150	
Carbon tetrachloride	50.0	54.8	110	13	20	69-135	
Chlorobenzene	50.0	55.4	111	13	20	68-120	
Chloroethane	50.0	81.1	162	3	20	49-150	*
Chloroform	50.0	57.2	114	14	20	77-126	
Chloromethane	50.0	83.2	166	2	20	33-150	*
Dibromochloromethane	50.0	50.6	101	11	20	75-120	
1,1-Dichloroethane	50.0	60.3	121	15	20	75-130	
1,2-Dichloroethane	50.0	53.7	107	12	20	73-127	
1,1-Dichloroethene	50.0	64.2	128	14	20	65-142	
1,2-Dichloropropane	50.0	59.3	119	10	20	69-129	
cis-1,3-Dichloropropene	50.0	41.2	82	14	20	63-120	
trans-1,3-Dichloropropene	50.0	39.5	79	13	20	73-120	
Ethylbenzene	50.0	56.8	114	15	20	62-120	
2-Hexanone	50.0	49.7	99	9	20	46-150	
Methylene Chloride	50.0	50.5	101	12	20	56-138	
methyl isobutyl ketone	50.0	51.7	103	13	20	70-122	
Styrene	50.0	54.2	108	13	20	47-120	
1,1,2,2-Tetrachloroethane	50.0	52.6	105	14	20	75-124	
Tetrachloroethene	50.0	54.4	109	13	20	50-120	
Toluene	50.0	57.2	114	15	20	66-120	
1,1,1-Trichloroethane	50.0	57.5	115	13	20	73-135	
1,1,2-Trichloroethane	50.0	56.8	114	12	20	76-125	
Trichloroethene	50.0	61.0	122	13	20	60-122	
Vinyl chloride	50.0	67.9	136	2	20	61-150	
Xylenes, Total	150	168	112	13	20	58-120	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab File ID: L0400.D Lab Sample ID: MB 220-52998/4

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

Instrument ID: MSL Date Analyzed: 07/18/2011 20:06

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 220-52998/2	L0398.D	07/18/2011 19:18
FB 0711	220-15975-1	L0404.D	07/18/2011 21:55
TRIP BLANK	220-15975-11	L0405.D	07/18/2011 22:20
MW-9	220-15975-2	L0410.D	07/19/2011 00:22
MW-4	220-15975-3	L0411.D	07/19/2011 00:46
MW-7	220-15975-5	L0413.D	07/19/2011 01:34
MW-3	220-15975-6	L0414.D	07/19/2011 01:58
MW-2	220-15975-7	L0415.D	07/19/2011 02:23
MW-10	220-15975-8	L0416.D	07/19/2011 02:47
MW-1	220-15975-9	L0417.D	07/19/2011 03:11
MW-6	220-15975-10	L0418.D	07/19/2011 03:35
MW-10 MS	220-15975-8 MS	L0423.D	07/19/2011 05:37
MW-10 MSD	220-15975-8 MSD	L0424.D	07/19/2011 06:01

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab File ID: V2444.D Lab Sample ID: MB 220-53156/3

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

Instrument ID: MSV Date Analyzed: 07/21/2011 11:48

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 220-53156/2	V2442.D	07/21/2011 10:54
MW-4D	220-15975-4	V2448.D	07/21/2011 13:38

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab File ID: LB780.D BFB Injection Date: 07/14/2011

Instrument ID: MSL BFB Injection Time: 16:12

Analysis Batch No.: 52935

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.4	
75	30.0 - 60.0 % of mass 95	46.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	5.7	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	96.1	
175	5.0 - 9.0 % of mass 174	6.9	(7.1)1
176	95.0 - 101.0 % of mass 174	91.3	(95.0)1
177	5.0 - 9.0 % of mass 176	6.1	(6.7)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 220-52935/1	L0367.D	07/14/2011	19:01
	IC 220-52935/2	L0368.D	07/14/2011	19:25
	IC 220-52935/3	L0369.D	07/14/2011	19:49
	IC 220-52935/4	L0370.D	07/14/2011	20:14
	IC 220-52935/5	L0371.D	07/14/2011	20:38
	IC 220-52935/6	L0372.D	07/14/2011	21:02

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab File ID: LB782.D BFB Injection Date: 07/18/2011

Instrument ID: MSL BFB Injection Time: 18:32

Analysis Batch No.: 52998

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.2	
75	30.0 - 60.0 % of mass 95	46.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	89.9	
175	5.0 - 9.0 % of mass 174	6.5	(7.2)1
176	95.0 - 101.0 % of mass 174	85.6	(95.3)1
177	5.0 - 9.0 % of mass 176	5.7	(6.6)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 220-52998/1	L0397.D	07/18/2011	18:54
	LCS 220-52998/2	L0398.D	07/18/2011	19:18
	MB 220-52998/4	L0400.D	07/18/2011	20:06
FB 0711	220-15975-1	L0404.D	07/18/2011	21:55
TRIP BLANK	220-15975-11	L0405.D	07/18/2011	22:20
MW-9	220-15975-2	L0410.D	07/19/2011	00:22
MW-4	220-15975-3	L0411.D	07/19/2011	00:46
MW-7	220-15975-5	L0413.D	07/19/2011	01:34
MW-3	220-15975-6	L0414.D	07/19/2011	01:58
MW-2	220-15975-7	L0415.D	07/19/2011	02:23
MW-10	220-15975-8	L0416.D	07/19/2011	02:47
MW-1	220-15975-9	L0417.D	07/19/2011	03:11
MW-6	220-15975-10	L0418.D	07/19/2011	03:35
MW-10 MS	220-15975-8 MS	L0423.D	07/19/2011	05:37
MW-10 MSD	220-15975-8 MSD	L0424.D	07/19/2011	06:01

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab File ID: VB561.D BFB Injection Date: 07/13/2011

Instrument ID: MSV BFB Injection Time: 14:11

Analysis Batch No.: 52854

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.6	
75	30.0 - 60.0 % of mass 95	49.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	91.2	
175	5.0 - 9.0 % of mass 174	7.5	(8.2)1
176	95.0 - 101.0 % of mass 174	87.6	(96.0)1
177	5.0 - 9.0 % of mass 176	5.7	(6.5)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 220-52854/1	V2191.D	07/13/2011	14:31
	IC 220-52854/2	V2192.D	07/13/2011	14:58
	ICIS 220-52854/3	V2193.D	07/13/2011	15:25
	IC 220-52854/4	V2194.D	07/13/2011	15:53
	IC 220-52854/5	V2195.D	07/13/2011	16:20
	IC 220-52854/6	V2196.D	07/13/2011	16:47

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab File ID: VB571.D BFB Injection Date: 07/21/2011

Instrument ID: MSV BFB Injection Time: 09:42

Analysis Batch No.: 53156

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.1	
75	30.0 - 60.0 % of mass 95	54.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	99.7	
175	5.0 - 9.0 % of mass 174	8.6	(8.6)1
176	95.0 - 101.0 % of mass 174	99.1	(99.4)1
177	5.0 - 9.0 % of mass 176	6.1	(6.2)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 220-53156/1	V2440.D	07/21/2011	09:51
	LCS 220-53156/2	V2442.D	07/21/2011	10:54
	MB 220-53156/3	V2444.D	07/21/2011	11:48
MW-4D	220-15975-4	V2448.D	07/21/2011	13:38

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Sample No.: CCVIS 220-52998/1 Date Analyzed: 07/18/2011 18:54

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

Lab File ID (Standard): L0397.D Heated Purge: (Y/N) N

Calibration ID: 11475

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		337651	4.07	350538	7.38	183458	9.44
UPPER LIMIT		675302	4.57	701076	7.88	366916	9.94
LOWER LIMIT		168826	3.57	175269	6.88	91729	8.94
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 220-52998/2		341412	4.06	356660	7.37	183136	9.45
MB 220-52998/4		338546	4.06	354383	7.37	184995	9.45
220-15975-1	FB 0711	329952	4.07	348798	7.37	182907	9.45
220-15975-11	TRIP BLANK	338104	4.06	354945	7.37	188346	9.45
220-15975-2	MW-9	336824	4.06	359096	7.37	182395	9.45
220-15975-3	MW-4	339259	4.07	360025	7.38	187771	9.44
220-15975-5	MW-7	333566	4.06	353058	7.37	180630	9.45
220-15975-6	MW-3	345554	4.06	367554	7.37	189331	9.45
220-15975-7	MW-2	333215	4.06	341438	7.37	178654	9.45
220-15975-8	MW-10	339623	4.07	354992	7.38	185327	9.45
220-15975-9	MW-1	335068	4.06	357791	7.37	185904	9.45
220-15975-10	MW-6	341366	4.07	361388	7.37	181979	9.45
220-15975-8 MS	MW-10 MS	343873	4.06	359288	7.37	190802	9.45
220-15975-8 MSD	MW-10 MSD	318421	4.07	332074	7.38	171692	9.45

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

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

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Sample No.: CCVIS 220-53156/1 Date Analyzed: 07/21/2011 09:51

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

Lab File ID (Standard): V2440.D Heated Purge: (Y/N) N

Calibration ID: 11462

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		267408	4.84	212840	8.58	136901	11.03
UPPER LIMIT		534816	5.34	425680	9.08	273802	11.53
LOWER LIMIT		133704	4.34	106420	8.08	68451	10.53
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 220-53156/2		270536	4.84	215887	8.58	134137	11.03
MB 220-53156/3		243037	4.84	198222	8.58	118117	11.03
220-15975-4	MW-4D	231236	4.84	187282	8.58	107236	11.03

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

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

Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: FB 0711 | Lab Sample ID: 220-15975-1

Matrix: Water | Lab File ID: L0404.D

Analysis Method: 8260B | Date Collected: 07/11/2011 09:50

Sample wt/vol: 5(mL) | Date Analyzed: 07/18/2011 21:55

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 52998 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	1.0
71-43-2	Benzene	5.0	U	5.0	0.74
75-27-4	Bromodichloromethane	5.0	U	5.0	0.48
75-25-2	Bromoform	5.0	U	5.0	0.46
74-83-9	Bromomethane	5.0	U	5.0	2.1
78-93-3	Methyl Ethyl Ketone	10	U	10	1.1
75-15-0	Carbon disulfide	5.0	U	5.0	0.90
56-23-5	Carbon tetrachloride	5.0	U	5.0	1.1
108-90-7	Chlorobenzene	5.0	U	5.0	0.72
75-00-3	Chloroethane	5.0	U	5.0	1.1
67-66-3	Chloroform	5.0	U	5.0	0.67
74-87-3	Chloromethane	5.0	U	5.0	1.1
124-48-1	Dibromochloromethane	5.0	U	5.0	0.55
75-34-3	1,1-Dichloroethane	5.0	U	5.0	1.0
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.72
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.83
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.71
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.28
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.57
100-41-4	Ethylbenzene	5.0	U	5.0	0.87
591-78-6	2-Hexanone	10	U	10	1.1
75-09-2	Methylene Chloride	1.3	J B	5.0	0.78
108-10-1	methyl isobutyl ketone	10	U	10	0.38
100-42-5	Styrene	5.0	U	5.0	0.64
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81
127-18-4	Tetrachloroethene	5.0	U	5.0	0.81
108-88-3	Toluene	5.0	U	5.0	0.72
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.69
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.65
79-01-6	Trichloroethene	5.0	U	5.0	0.62
75-01-4	Vinyl chloride	5.0	U	5.0	0.99
1330-20-7	Xylenes, Total	5.0	U	5.0	2.3
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.99
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: FB 0711 Lab Sample ID: 220-15975-1

Matrix: Water Lab File ID: L0404.D

Analysis Method: 8260B Date Collected: 07/11/2011 09:50

Sample wt/vol: 5(mL) Date Analyzed: 07/18/2011 21:55

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 52998 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	72		65-136
460-00-4	4-Bromofluorobenzene	72		51-142
1868-53-7	Dibromofluoromethane	75		68-132
2037-26-5	Toluene-d8 (Surr)	74		63-127

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msl.i\L110397.b\L0404.D
Lab Smp Id: 220-15975-B-1 Client Smp ID: FB 0711
Inj Date : 18-JUL-2011 21:55 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : 220-15975-b-1
Misc Info : LLW
Comment :
Method : \\consvr05\Files\chem\VOA\msl.i\L110397.b\L8260BNW.m
Meth Date : 26-Jul-2011 16:52 msl.i Quant Type: ISTD
Cal Date : 14-JUL-2011 20:38 Cal File: L0371.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1016

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

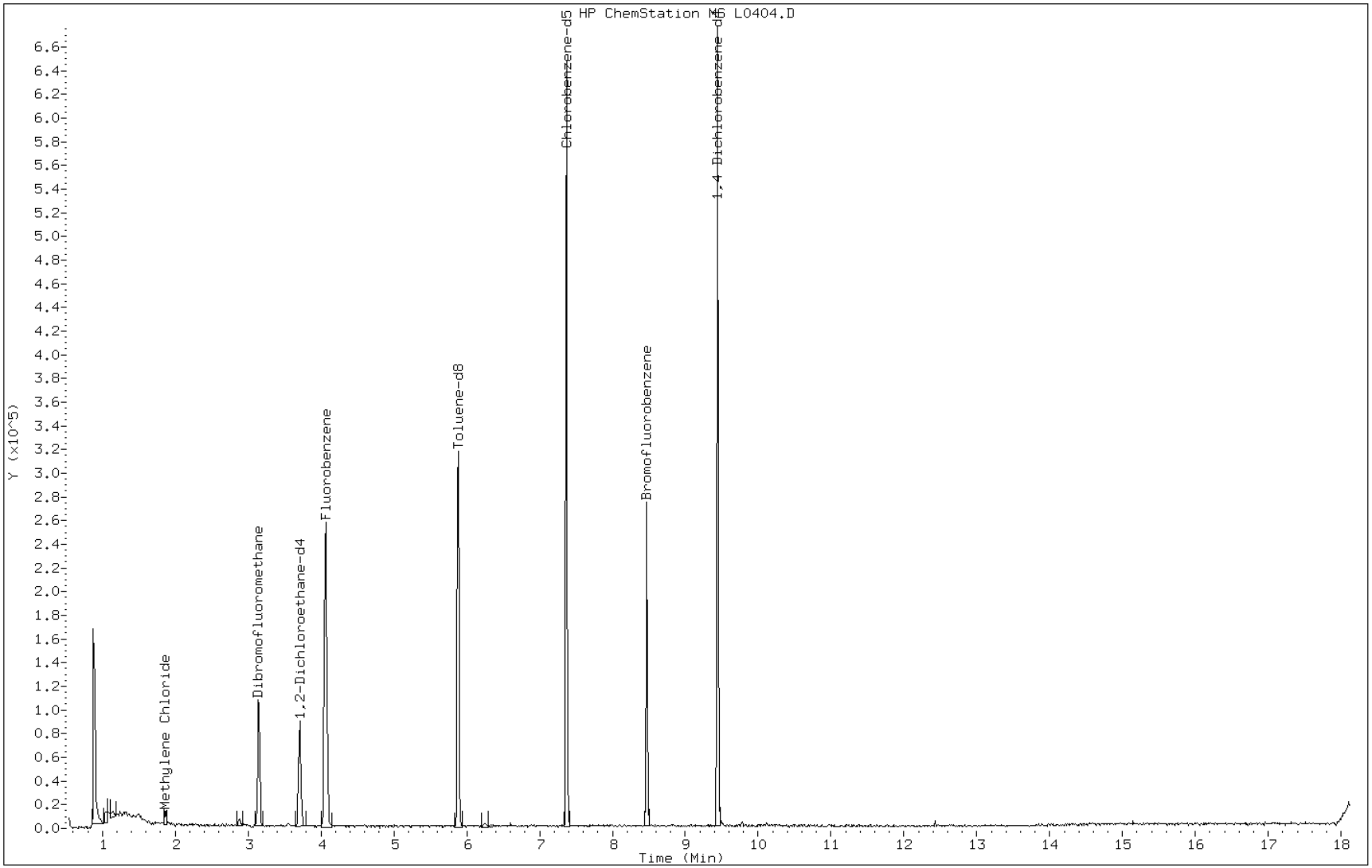
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	1 Fluorobenzene	96	4.065	4.069	(1.000)	329952	25.0000	
	20 Methylene Chloride	84	1.871	1.865	(0.460)	4803	1.30140	1
$	41 Dibromofluoromethane	111	3.140	3.145	(0.773)	76250	18.8528	19
	52 Benzene	78	3.553	3.558	(0.874)	3173	0.27942	0.3
$	55 1,2-Dichloroethane-d4	65	3.711	3.715	(0.913)	86217	17.9427	18
*	75 Chlorobenzene-d5	117	7.371	7.375	(1.000)	348798	25.0000	
$	77 Toluene-d8	98	5.885	5.880	(0.798)	218096	18.5261	18
*	95 1,4-Dichlorobenzene-d4	152	9.447	9.441	(1.000)	182907	25.0000	
$	125 Bromofluorobenzene	95	8.473	8.467	(0.897)	78103	17.8756	18

Data File: L0404.D

Date: 18-JUL-2011 21:55

Client ID: FB 0711 Instrument: msl.i

Sample Info: 220-15975-b-1 Operator: E. LYNCH



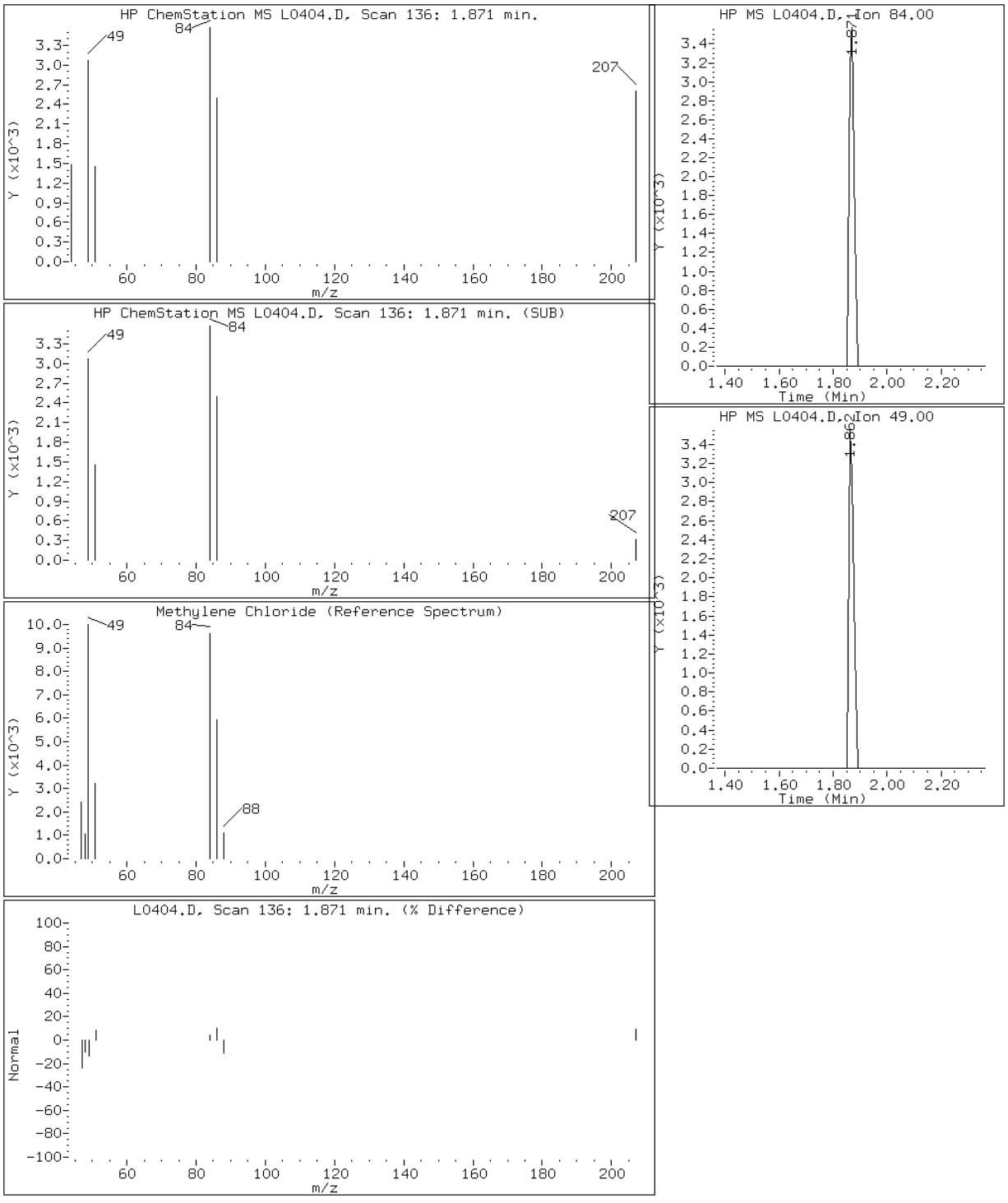
Data File: L0404.D

Date: 18-JUL-2011 21:55

Client ID: FB 0711 Instrument: msl.i

Sample Info: 220-15975-b-1 Operator: E. LYNCH

20 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-9 | Lab Sample ID: 220-15975-2

Matrix: Water | Lab File ID: L0410.D

Analysis Method: 8260B | Date Collected: 07/11/2011 10:10

Sample wt/vol: 5(mL) | Date Analyzed: 07/19/2011 00:22

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 52998 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	1.0
71-43-2	Benzene	5.0	U	5.0	0.74
75-27-4	Bromodichloromethane	5.0	U	5.0	0.48
75-25-2	Bromoform	5.0	U	5.0	0.46
74-83-9	Bromomethane	5.0	U	5.0	2.1
78-93-3	Methyl Ethyl Ketone	10	U	10	1.1
75-15-0	Carbon disulfide	5.0	U	5.0	0.90
56-23-5	Carbon tetrachloride	5.0	U	5.0	1.1
108-90-7	Chlorobenzene	5.0	U	5.0	0.72
75-00-3	Chloroethane	5.0	U	5.0	1.1
67-66-3	Chloroform	5.0	U	5.0	0.67
74-87-3	Chloromethane	5.0	U	5.0	1.1
124-48-1	Dibromochloromethane	5.0	U	5.0	0.55
75-34-3	1,1-Dichloroethane	5.0	U	5.0	1.0
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.72
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.83
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.71
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.28
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.57
100-41-4	Ethylbenzene	5.0	U	5.0	0.87
591-78-6	2-Hexanone	10	U	10	1.1
75-09-2	Methylene Chloride	5.0	U	5.0	0.78
108-10-1	methyl isobutyl ketone	10	U	10	0.38
100-42-5	Styrene	5.0	U	5.0	0.64
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81
127-18-4	Tetrachloroethene	5.0	U	5.0	0.81
108-88-3	Toluene	5.0	U	5.0	0.72
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.69
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.65
79-01-6	Trichloroethene	5.0	U	5.0	0.62
75-01-4	Vinyl chloride	5.0	U	5.0	0.99
1330-20-7	Xylenes, Total	5.0	U	5.0	2.3
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.99
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-9 Lab Sample ID: 220-15975-2

Matrix: Water Lab File ID: L0410.D

Analysis Method: 8260B Date Collected: 07/11/2011 10:10

Sample wt/vol: 5(mL) Date Analyzed: 07/19/2011 00:22

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 52998 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	67		65-136
460-00-4	4-Bromofluorobenzene	70		51-142
1868-53-7	Dibromofluoromethane	70		68-132
2037-26-5	Toluene-d8 (Surr)	70		63-127

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msl.i\L110397.b\L0410.D
Lab Smp Id: 220-15975-A-2 Client Smp ID: MW-9
Inj Date : 19-JUL-2011 00:22 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : 220-15975-a-2
Misc Info : LLW
Comment :
Method : \\consvr05\Files\chem\VOA\msl.i\L110397.b\L8260BNW.m
Meth Date : 18-Jul-2011 19:16 eon Quant Type: ISTD
Cal Date : 14-JUL-2011 20:14 Cal File: L0370.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

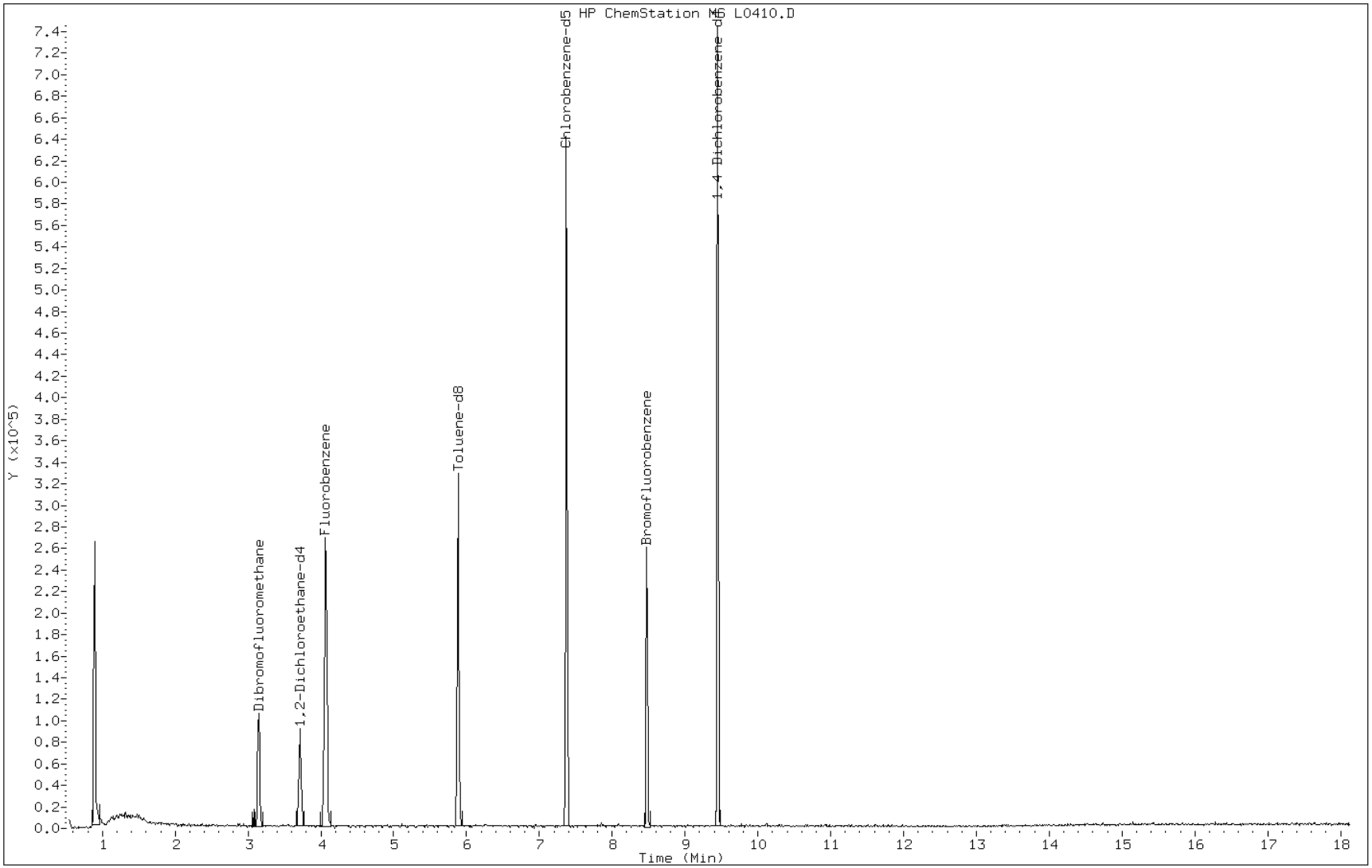
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.064	4.069	(1.000)	336824	25.0000	
$ 41 Dibromofluoromethane	111	3.149	3.145	(0.775)	72736	17.6170	18
$ 55 1,2-Dichloroethane-d4	65	3.710	3.715	(0.913)	82726	16.8649	17
* 75 Chlorobenzene-d5	117	7.370	7.375	(1.000)	359096	25.0000	
$ 77 Toluene-d8	98	5.884	5.880	(0.798)	213199	17.5907	18
* 95 1,4-Dichlorobenzene-d4	152	9.446	9.441	(1.000)	182395	25.0000	
$ 125 Bromofluorobenzene	95	8.472	8.467	(0.897)	76081	17.4617	17

Data File: L0410.D

Date: 19-JUL-2011 00:22

Client ID: MW-9 Instrument: msl.i

Sample Info: 220-15975-a-2 Operator: E. LYNCH



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-4 | Lab Sample ID: 220-15975-3

Matrix: Water | Lab File ID: L0411.D

Analysis Method: 8260B | Date Collected: 07/11/2011 10:55

Sample wt/vol: 5(mL) | Date Analyzed: 07/19/2011 00:46

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 52998 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	1.0
71-43-2	Benzene	5.0	U	5.0	0.74
75-27-4	Bromodichloromethane	5.0	U	5.0	0.48
75-25-2	Bromoform	5.0	U	5.0	0.46
74-83-9	Bromomethane	5.0	U	5.0	2.1
78-93-3	Methyl Ethyl Ketone	10	U	10	1.1
75-15-0	Carbon disulfide	5.0	U	5.0	0.90
56-23-5	Carbon tetrachloride	5.0	U	5.0	1.1
108-90-7	Chlorobenzene	5.0	U	5.0	0.72
75-00-3	Chloroethane	5.0	U	5.0	1.1
67-66-3	Chloroform	5.0	U	5.0	0.67
74-87-3	Chloromethane	5.0	U	5.0	1.1
124-48-1	Dibromochloromethane	5.0	U	5.0	0.55
75-34-3	1,1-Dichloroethane	5.0	U	5.0	1.0
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.72
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.83
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.71
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.28
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.57
100-41-4	Ethylbenzene	5.0	U	5.0	0.87
591-78-6	2-Hexanone	10	U	10	1.1
75-09-2	Methylene Chloride	5.0	U	5.0	0.78
108-10-1	methyl isobutyl ketone	10	U	10	0.38
100-42-5	Styrene	5.0	U	5.0	0.64
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81
127-18-4	Tetrachloroethene	5.0	U	5.0	0.81
108-88-3	Toluene	5.0	U	5.0	0.72
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.69
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.65
79-01-6	Trichloroethene	5.0	U	5.0	0.62
75-01-4	Vinyl chloride	5.0	U	5.0	0.99
1330-20-7	Xylenes, Total	5.0	U	5.0	2.3
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.99
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-4 Lab Sample ID: 220-15975-3

Matrix: Water Lab File ID: L0411.D

Analysis Method: 8260B Date Collected: 07/11/2011 10:55

Sample wt/vol: 5(mL) Date Analyzed: 07/19/2011 00:46

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 52998 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	68		65-136
460-00-4	4-Bromofluorobenzene	68		51-142
1868-53-7	Dibromofluoromethane	71		68-132
2037-26-5	Toluene-d8 (Surr)	71		63-127

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msl.i\L110397.b\L0411.D
Lab Smp Id: 220-15975-A-3 Client Smp ID: MW-4
Inj Date : 19-JUL-2011 00:46 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : 220-15975-a-3
Misc Info : LLW
Comment :
Method : \\consvr05\Files\chem\VOA\msl.i\L110397.b\L8260BNW.m
Meth Date : 26-Jul-2011 16:52 msl.i Quant Type: ISTD
Cal Date : 14-JUL-2011 20:38 Cal File: L0371.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1016

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

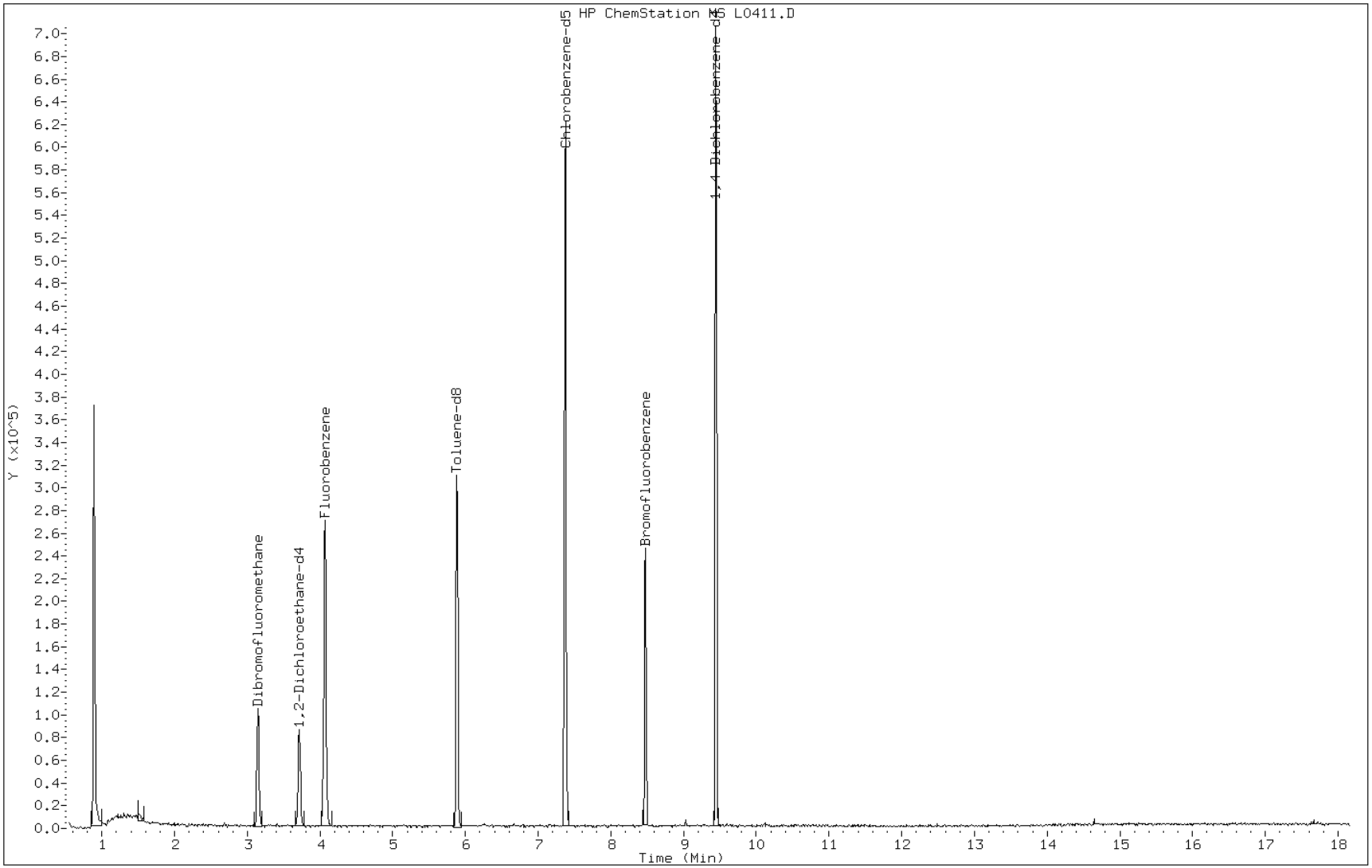
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.070	4.069	(1.000)	339259	25.0000	
$ 41 Dibromofluoromethane	111	3.145	3.145	(0.773)	74070	17.8114	18
$ 55 1,2-Dichloroethane-d4	65	3.715	3.715	(0.913)	84210	17.0442	17
* 75 Chlorobenzene-d5	117	7.375	7.375	(1.000)	360025	25.0000	
$ 77 Toluene-d8	98	5.880	5.880	(0.797)	216350	17.8047	18
* 95 1,4-Dichlorobenzene-d4	152	9.442	9.441	(1.000)	187771	25.0000	
111 1,4-Dichlorobenzene	146	9.461	9.461	(1.002)	1487	0.20567	0.2
$ 125 Bromofluorobenzene	95	8.477	8.467	(0.898)	76736	17.1078	17

Data File: L0411.D

Date: 19-JUL-2011 00:46

Client ID: MW-4 Instrument: msl.i

Sample Info: 220-15975-a-3 Operator: E. LYNCH



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-4D | Lab Sample ID: 220-15975-4

Matrix: Water | Lab File ID: V2448.D

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

Sample wt/vol: 5(mL) | Date Analyzed: 07/21/2011 13:38

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 53156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	1.0
71-43-2	Benzene	5.0	U	5.0	0.74
75-27-4	Bromodichloromethane	5.0	U	5.0	0.48
75-25-2	Bromoform	5.0	U	5.0	0.46
74-83-9	Bromomethane	5.0	U	5.0	2.1
78-93-3	Methyl Ethyl Ketone	10	U	10	1.1
75-15-0	Carbon disulfide	5.0	U	5.0	0.90
56-23-5	Carbon tetrachloride	5.0	U	5.0	1.1
108-90-7	Chlorobenzene	2.5	J	5.0	0.72
75-00-3	Chloroethane	5.0	U	5.0	1.1
67-66-3	Chloroform	5.0	U	5.0	0.67
74-87-3	Chloromethane	5.0	U	5.0	1.1
124-48-1	Dibromochloromethane	5.0	U	5.0	0.55
75-34-3	1,1-Dichloroethane	5.0	U	5.0	1.0
107-06-2	1,2-Dichloroethane	5.0	U *	5.0	0.72
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.83
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.71
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.28
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.57
100-41-4	Ethylbenzene	5.0	U	5.0	0.87
591-78-6	2-Hexanone	10	U	10	1.1
75-09-2	Methylene Chloride	5.0	U	5.0	0.78
108-10-1	methyl isobutyl ketone	10	U	10	0.38
100-42-5	Styrene	5.0	U	5.0	0.64
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81
127-18-4	Tetrachloroethene	5.0	U	5.0	0.81
108-88-3	Toluene	5.0	U	5.0	0.72
71-55-6	1,1,1-Trichloroethane	5.0	U *	5.0	0.69
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.65
79-01-6	Trichloroethene	5.0	U	5.0	0.62
75-01-4	Vinyl chloride	5.0	U	5.0	0.99
1330-20-7	Xylenes, Total	5.0	U	5.0	2.3
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.99
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-4D Lab Sample ID: 220-15975-4

Matrix: Water Lab File ID: V2448.D

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

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2011 13:38

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 53156 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		65-136
460-00-4	4-Bromofluorobenzene	77		51-142
1868-53-7	Dibromofluoromethane	101		68-132
2037-26-5	Toluene-d8 (Surr)	81		63-127

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msv.i\V112440.b\V2448.D
Lab Smp Id: 220-15975-C-4 Client Smp ID: MW-4D
Inj Date : 21-JUL-2011 13:38 MS Autotune Date: 04-APR-2011 13:44
Operator : B.KOSTRZEWSKA Inst ID: msv.i
Smp Info : 220-15975-c-4
Misc Info : 220-15975-C-4
Comment :
Method : \\consvr05\Files\chem\VOA\msv.i\V112440.b\V8260LOW.m
Meth Date : 21-Jul-2011 10:11 barbara Quant Type: ISTD
Cal Date : 13-JUL-2011 16:47 Cal File: V2196.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
*	1 Fluorobenzene	96	4.836	4.836	(1.000)	231236	25.0000	
$	41 Dibromofluoromethane	111	3.955	3.955	(0.818)	65232	25.2600	25
$	55 1,2-Dichloroethane-d4	65	4.510	4.516	(0.933)	86922	28.1957	28
*	75 Chlorobenzene-d5	117	8.577	8.577	(1.000)	187282	25.0000	
$	77 Toluene-d8	98	6.677	6.677	(0.778)	196717	20.3414	20
	88 Chlorobenzene	112	8.598	8.593	(1.002)	18244	2.52923	2
*	95 1,4-Dichlorobenzene-d4	152	11.032	11.027	(1.000)	107236	25.0000	
	111 1,4-Dichlorobenzene	146	11.043	11.043	(1.001)	2067	0.30606	0.3(M)
$	125 Bromofluorobenzene	95	10.018	10.018	(0.908)	68486	19.3367	19

QC Flag Legend

M - Compound response manually integrated.

Data File: V2448.D

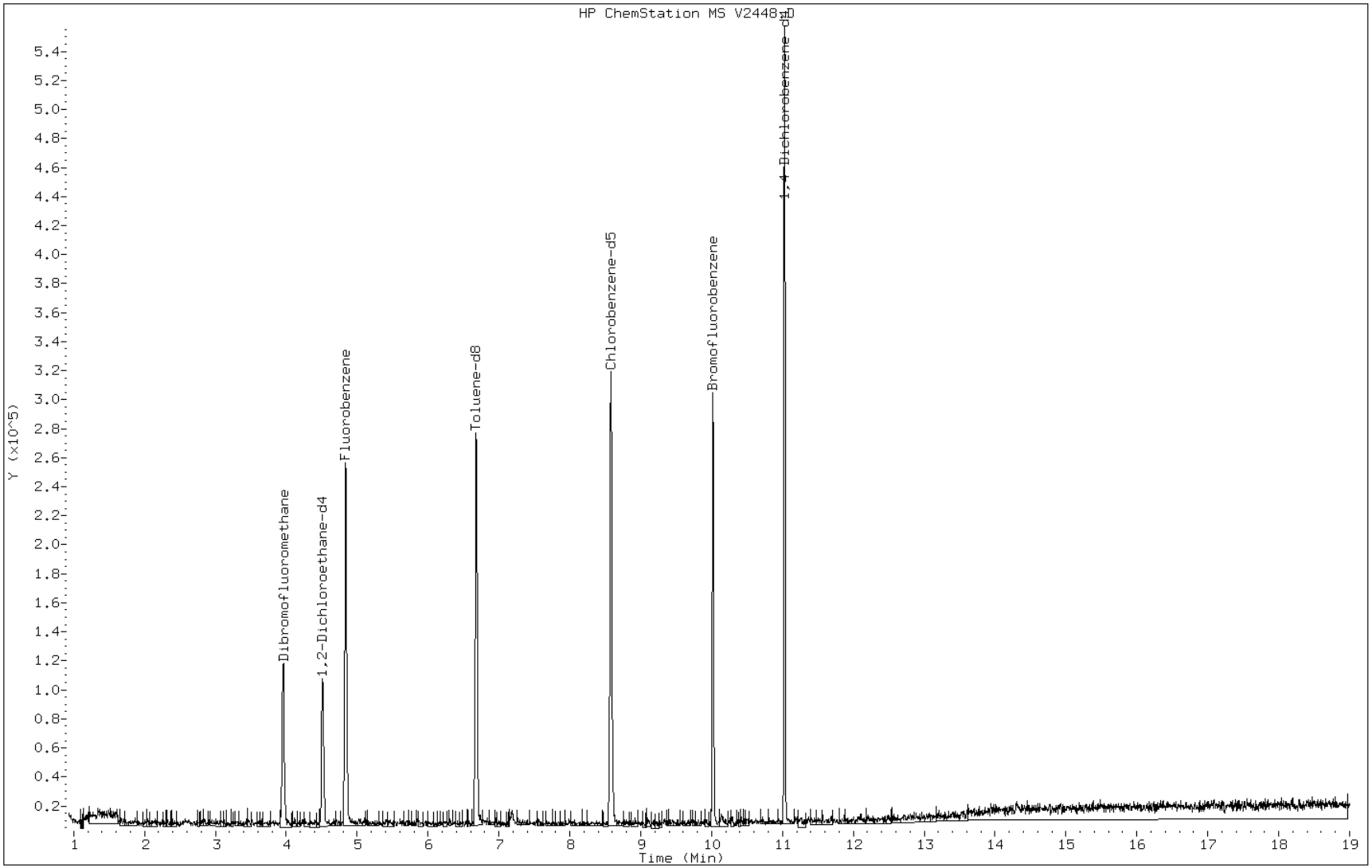
Date: 21-JUL-2011 13:38

Client ID: MW-4D

Instrument: msv.i

Sample Info: 220-15975-c-4

Operator: B.KOSTRZEWSKA



Data File: V2448.D

Date: 21-JUL-2011 13:38

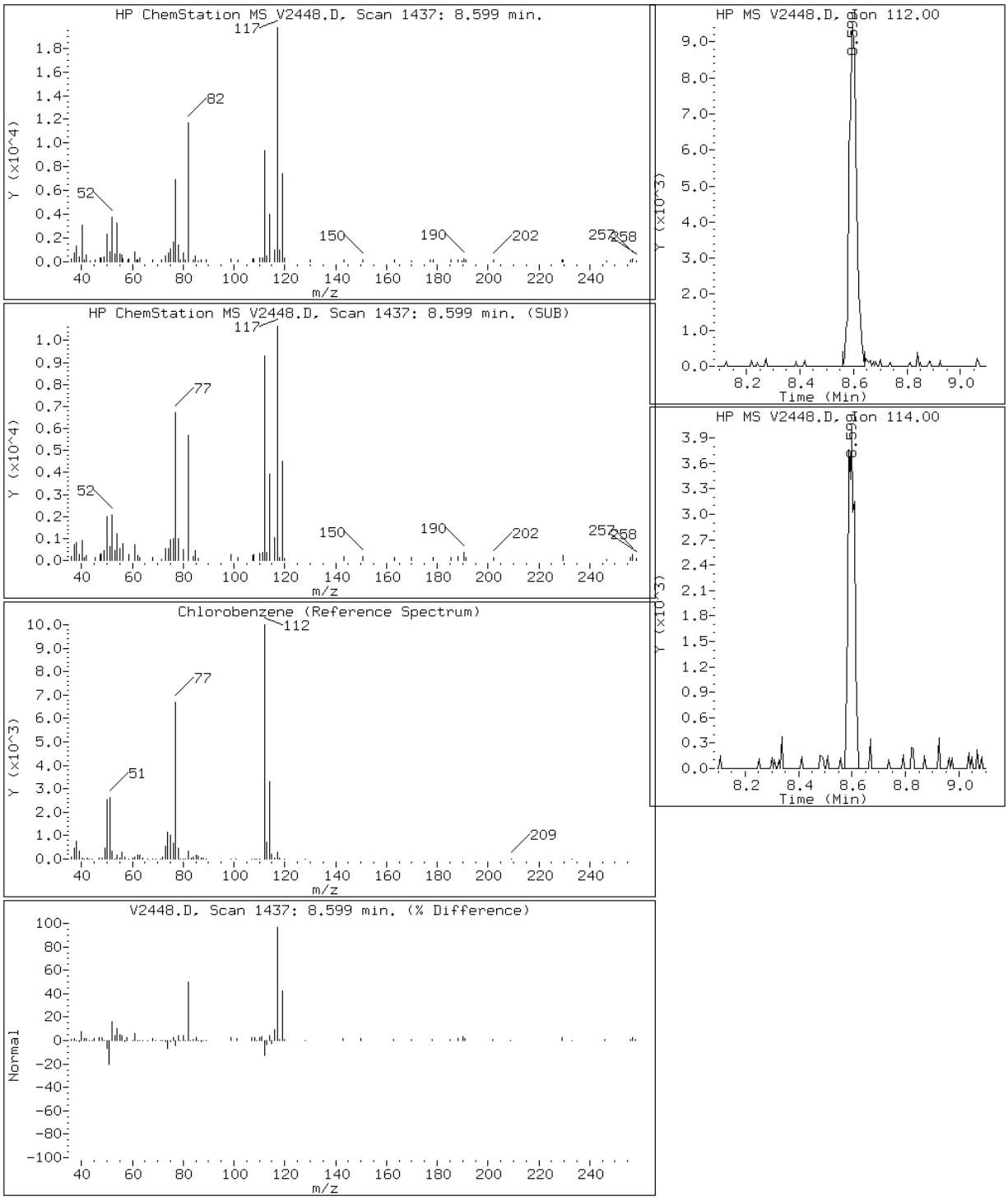
Client ID: MW-4D

Instrument: msv.i

Sample Info: 220-15975-c-4

Operator: B.KOSTRZEWSKA

88 Chlorobenzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-7 | Lab Sample ID: 220-15975-5

Matrix: Water | Lab File ID: L0413.D

Analysis Method: 8260B | Date Collected: 07/11/2011 12:30

Sample wt/vol: 5(mL) | Date Analyzed: 07/19/2011 01:34

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 52998 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	1.0
71-43-2	Benzene	5.0	U	5.0	0.74
75-27-4	Bromodichloromethane	5.0	U	5.0	0.48
75-25-2	Bromoform	5.0	U	5.0	0.46
74-83-9	Bromomethane	5.0	U	5.0	2.1
78-93-3	Methyl Ethyl Ketone	10	U	10	1.1
75-15-0	Carbon disulfide	5.0	U	5.0	0.90
56-23-5	Carbon tetrachloride	5.0	U	5.0	1.1
108-90-7	Chlorobenzene	5.0	U	5.0	0.72
75-00-3	Chloroethane	5.0	U	5.0	1.1
67-66-3	Chloroform	5.0	U	5.0	0.67
74-87-3	Chloromethane	5.0	U	5.0	1.1
124-48-1	Dibromochloromethane	5.0	U	5.0	0.55
75-34-3	1,1-Dichloroethane	5.0	U	5.0	1.0
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.72
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.83
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.71
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.28
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.57
100-41-4	Ethylbenzene	5.0	U	5.0	0.87
591-78-6	2-Hexanone	10	U	10	1.1
75-09-2	Methylene Chloride	5.0	U	5.0	0.78
108-10-1	methyl isobutyl ketone	10	U	10	0.38
100-42-5	Styrene	5.0	U	5.0	0.64
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81
127-18-4	Tetrachloroethene	5.0	U	5.0	0.81
108-88-3	Toluene	5.0	U	5.0	0.72
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.69
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.65
79-01-6	Trichloroethene	5.0	U	5.0	0.62
75-01-4	Vinyl chloride	5.0	U	5.0	0.99
1330-20-7	Xylenes, Total	5.0	U	5.0	2.3
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.99
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-7 Lab Sample ID: 220-15975-5

Matrix: Water Lab File ID: L0413.D

Analysis Method: 8260B Date Collected: 07/11/2011 12:30

Sample wt/vol: 5(mL) Date Analyzed: 07/19/2011 01:34

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 52998 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	67		65-136
460-00-4	4-Bromofluorobenzene	73		51-142
1868-53-7	Dibromofluoromethane	73		68-132
2037-26-5	Toluene-d8 (Surr)	72		63-127

STL-INC

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msl.i\L110397.b\L0413.D
Lab Smp Id: 220-15975-A-5 Client Smp ID: MW-7
Inj Date : 19-JUL-2011 01:34 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : 220-15975-a-5
Misc Info : LLW
Comment :
Method : \\consvr05\Files\chem\VOA\msl.i\L110397.b\L8260BNW.m
Meth Date : 26-Jul-2011 16:52 msl.i Quant Type: ISTD
Cal Date : 14-JUL-2011 20:38 Cal File: L0371.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1016

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	1 Fluorobenzene	96	4.063	4.069	(1.000)	333566	25.0000	
$	41 Dibromofluoromethane	111	3.148	3.145	(0.775)	74638	18.2543	18
$	55 1,2-Dichloroethane-d4	65	3.709	3.715	(0.913)	81917	16.8631	17
*	75 Chlorobenzene-d5	117	7.369	7.375	(1.000)	353058	25.0000	
$	77 Toluene-d8	98	5.883	5.880	(0.798)	214207	17.9762	18
*	95 1,4-Dichlorobenzene-d4	152	9.445	9.441	(1.000)	180630	25.0000	
	110 1,3-Dichlorobenzene	146	9.376	9.382	(0.993)	11839	1.77942	2
	111 1,4-Dichlorobenzene	146	9.455	9.461	(1.001)	69841	10.0416	10(H)
	112 1,2-Dichlorobenzene	146	9.819	9.815	(1.040)	6598	0.97840	1.0
$	125 Bromofluorobenzene	95	8.471	8.467	(0.897)	78502	18.1934	18

QC Flag Legend

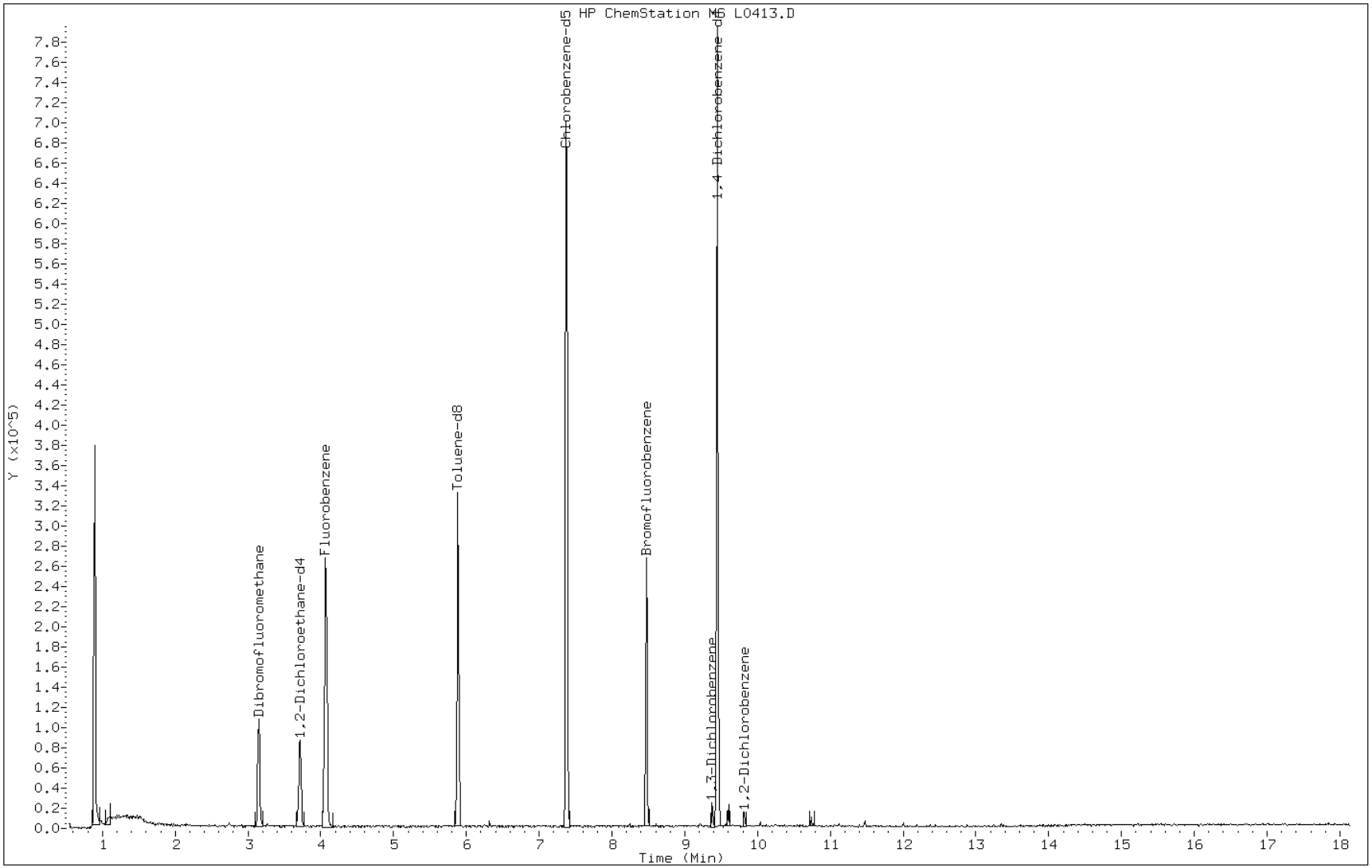
H - Operator selected an alternate compound hit.

Data File: L0413.D

Date: 19-JUL-2011 01:34

Client ID: MW-7 Instrument: msl.i

Sample Info: 220-15975-a-5 Operator: E. LYNCH



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-3 | Lab Sample ID: 220-15975-6

Matrix: Water | Lab File ID: L0414.D

Analysis Method: 8260B | Date Collected: 07/11/2011 12:55

Sample wt/vol: 5(mL) | Date Analyzed: 07/19/2011 01:58

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 52998 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	1.0
71-43-2	Benzene	5.0	U	5.0	0.74
75-27-4	Bromodichloromethane	5.0	U	5.0	0.48
75-25-2	Bromoform	5.0	U	5.0	0.46
74-83-9	Bromomethane	5.0	U	5.0	2.1
78-93-3	Methyl Ethyl Ketone	10	U	10	1.1
75-15-0	Carbon disulfide	5.0	U	5.0	0.90
56-23-5	Carbon tetrachloride	5.0	U	5.0	1.1
108-90-7	Chlorobenzene	5.0	U	5.0	0.72
75-00-3	Chloroethane	5.0	U	5.0	1.1
67-66-3	Chloroform	5.0	U	5.0	0.67
74-87-3	Chloromethane	5.0	U	5.0	1.1
124-48-1	Dibromochloromethane	5.0	U	5.0	0.55
75-34-3	1,1-Dichloroethane	5.0	U	5.0	1.0
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.72
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.83
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.71
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.28
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.57
100-41-4	Ethylbenzene	5.0	U	5.0	0.87
591-78-6	2-Hexanone	10	U	10	1.1
75-09-2	Methylene Chloride	5.0	U	5.0	0.78
108-10-1	methyl isobutyl ketone	10	U	10	0.38
100-42-5	Styrene	5.0	U	5.0	0.64
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81
127-18-4	Tetrachloroethene	0.99	J	5.0	0.81
108-88-3	Toluene	5.0	U	5.0	0.72
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.69
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.65
79-01-6	Trichloroethene	5.0	U	5.0	0.62
75-01-4	Vinyl chloride	5.0	U	5.0	0.99
1330-20-7	Xylenes, Total	5.0	U	5.0	2.3
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.99
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-3 Lab Sample ID: 220-15975-6

Matrix: Water Lab File ID: L0414.D

Analysis Method: 8260B Date Collected: 07/11/2011 12:55

Sample wt/vol: 5(mL) Date Analyzed: 07/19/2011 01:58

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 52998 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	67		65-136
460-00-4	4-Bromofluorobenzene	70		51-142
1868-53-7	Dibromofluoromethane	73		68-132
2037-26-5	Toluene-d8 (Surr)	71		63-127

STL-INC

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msl.i\L110397.b\L0414.D
Lab Smp Id: 220-15975-A-6 Client Smp ID: MW-3
Inj Date : 19-JUL-2011 01:58 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : 220-15975-a-6
Misc Info : LLW
Comment :
Method : \\consvr05\Files\chem\VOA\msl.i\L110397.b\L8260BNW.m
Meth Date : 26-Jul-2011 16:52 msl.i Quant Type: ISTD
Cal Date : 14-JUL-2011 20:38 Cal File: L0371.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1016

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	1 Fluorobenzene	96	4.064	4.069	(1.000)	345554	25.0000	
$	41 Dibromofluoromethane	111	3.149	3.145	(0.775)	77252	18.2381	18
$	55 1,2-Dichloroethane-d4	65	3.709	3.715	(0.913)	84631	16.8174	17
*	75 Chlorobenzene-d5	117	7.369	7.375	(1.000)	367554	25.0000	
$	77 Toluene-d8	98	5.884	5.880	(0.798)	220380	17.7648	18
	80 Tetrachloroethene	164	6.317	6.313	(0.857)	3012	0.99066	1.0
*	95 1,4-Dichlorobenzene-d4	152	9.445	9.441	(1.000)	189331	25.0000	
	111 1,4-Dichlorobenzene	146	9.455	9.461	(1.001)	9204	1.26252	1(H)
	112 1,2-Dichlorobenzene	146	9.819	9.815	(1.040)	12983	1.83674	2
$	125 Bromofluorobenzene	95	8.471	8.467	(0.897)	79385	17.5525	18

QC Flag Legend

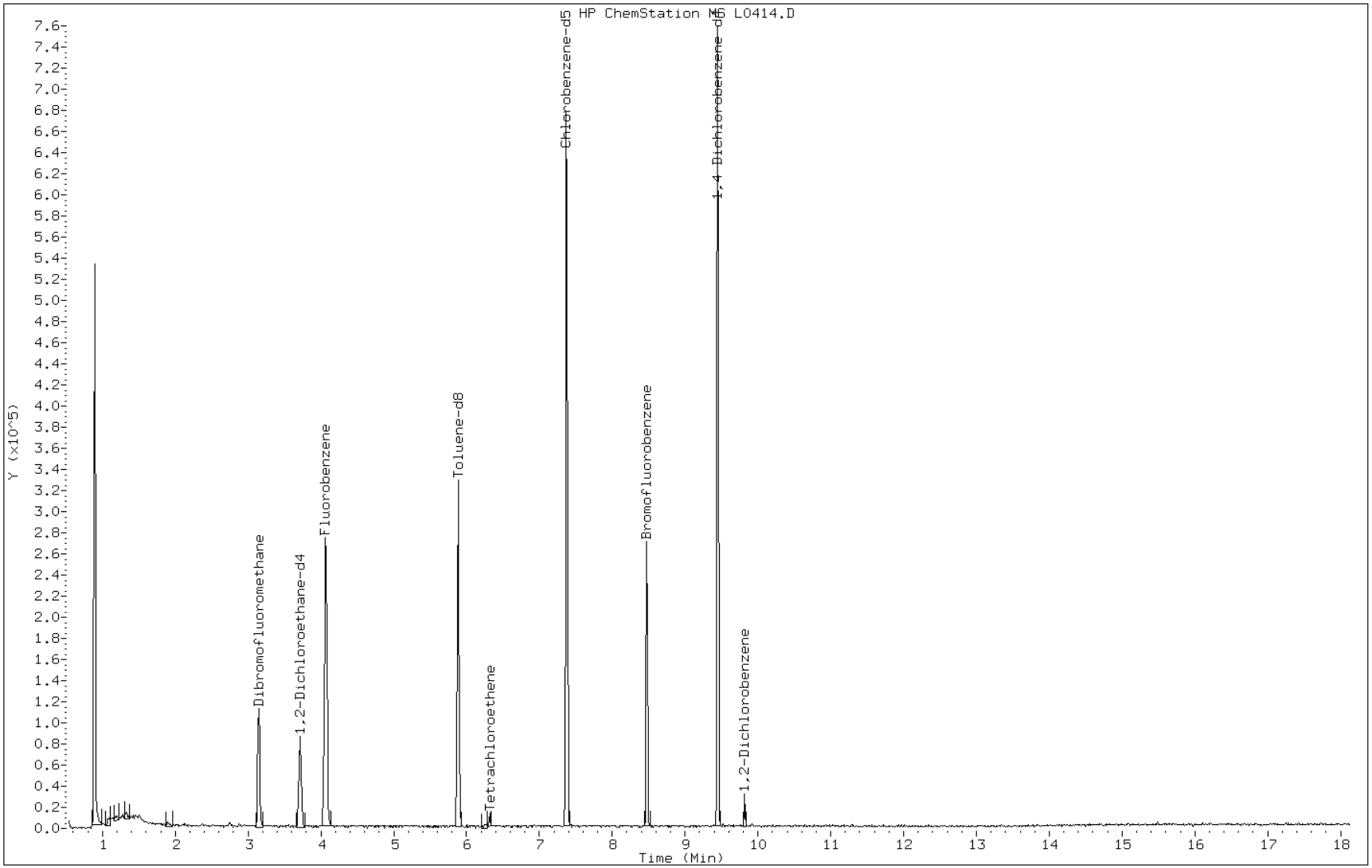
H - Operator selected an alternate compound hit.

Data File: L0414.D

Date: 19-JUL-2011 01:58

Client ID: MW-3 Instrument: msl.i

Sample Info: 220-15975-a-6 Operator: E. LYNCH



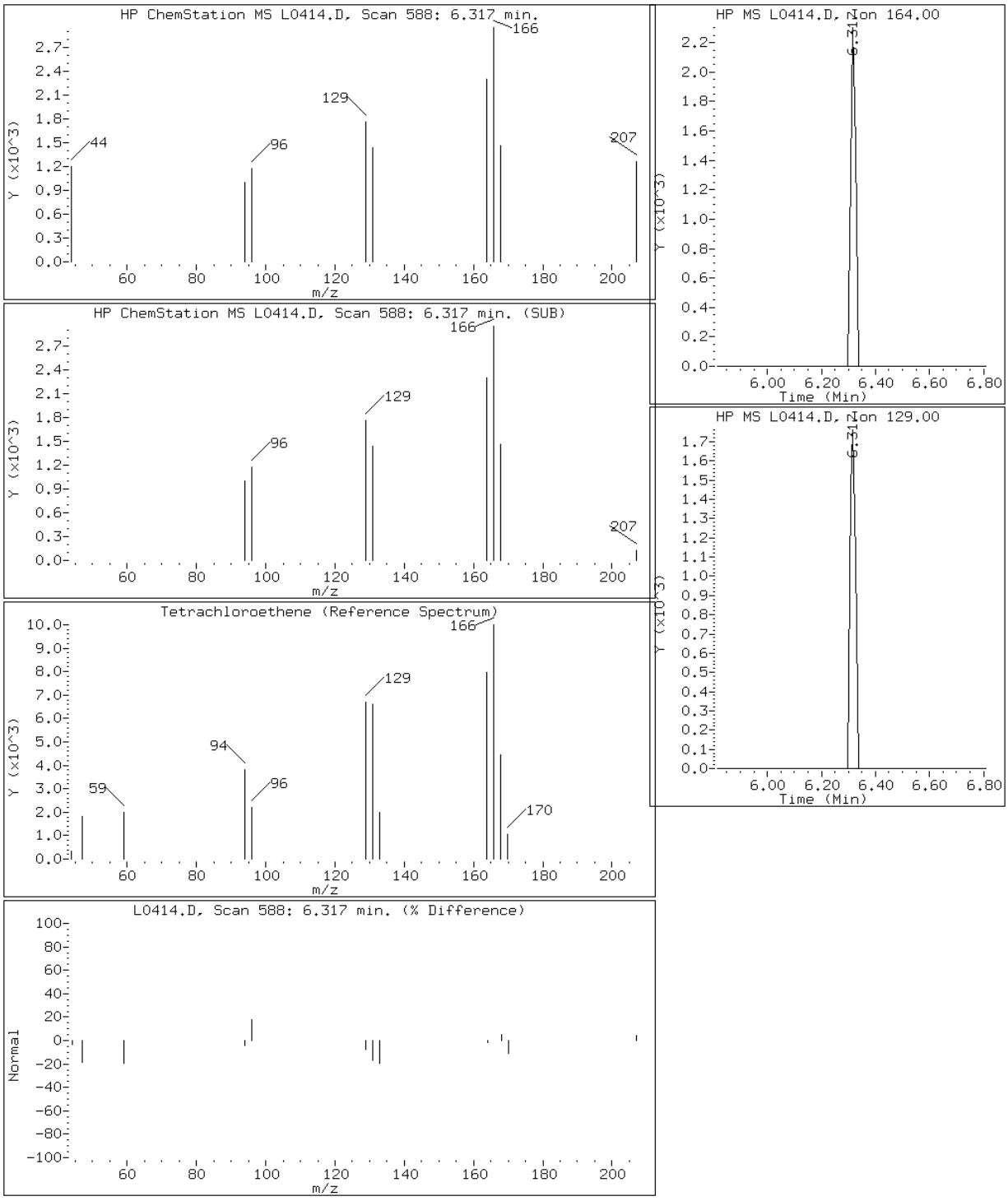
Data File: L0414.D

Date: 19-JUL-2011 01:58

Client ID: MW-3 Instrument: msl.i

Sample Info: 220-15975-a-6 Operator: E. LYNCH

80 Tetrachloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-2 | Lab Sample ID: 220-15975-7

Matrix: Water | Lab File ID: L0415.D

Analysis Method: 8260B | Date Collected: 07/11/2011 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 07/19/2011 02:23

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 52998 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	1.0
71-43-2	Benzene	5.0	U	5.0	0.74
75-27-4	Bromodichloromethane	5.0	U	5.0	0.48
75-25-2	Bromoform	5.0	U	5.0	0.46
74-83-9	Bromomethane	5.0	U	5.0	2.1
78-93-3	Methyl Ethyl Ketone	10	U	10	1.1
75-15-0	Carbon disulfide	5.0	U	5.0	0.90
56-23-5	Carbon tetrachloride	5.0	U	5.0	1.1
108-90-7	Chlorobenzene	5.0	U	5.0	0.72
75-00-3	Chloroethane	5.0	U	5.0	1.1
67-66-3	Chloroform	5.0	U	5.0	0.67
74-87-3	Chloromethane	5.0	U	5.0	1.1
124-48-1	Dibromochloromethane	5.0	U	5.0	0.55
75-34-3	1,1-Dichloroethane	5.0	U	5.0	1.0
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.72
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.83
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.71
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.28
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.57
100-41-4	Ethylbenzene	5.0	U	5.0	0.87
591-78-6	2-Hexanone	10	U	10	1.1
75-09-2	Methylene Chloride	5.0	U	5.0	0.78
108-10-1	methyl isobutyl ketone	10	U	10	0.38
100-42-5	Styrene	5.0	U	5.0	0.64
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81
127-18-4	Tetrachloroethene	5.0	U	5.0	0.81
108-88-3	Toluene	5.0	U	5.0	0.72
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.69
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.65
79-01-6	Trichloroethene	5.0	U	5.0	0.62
75-01-4	Vinyl chloride	5.0	U	5.0	0.99
1330-20-7	Xylenes, Total	5.0	U	5.0	2.3
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.99
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-2 Lab Sample ID: 220-15975-7

Matrix: Water Lab File ID: L0415.D

Analysis Method: 8260B Date Collected: 07/11/2011 14:00

Sample wt/vol: 5(mL) Date Analyzed: 07/19/2011 02:23

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 52998 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	71		65-136
460-00-4	4-Bromofluorobenzene	75		51-142
1868-53-7	Dibromofluoromethane	74		68-132
2037-26-5	Toluene-d8 (Surr)	76		63-127

STL-INC

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msl.i\L110397.b\L0415.D
Lab Smp Id: 220-15975-A-7 Client Smp ID: MW-2
Inj Date : 19-JUL-2011 02:23 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : 220-15975-a-7
Misc Info : LLW
Comment :
Method : \\consvr05\Files\chem\VOA\msl.i\L110397.b\L8260BNW.m
Meth Date : 26-Jul-2011 16:52 msl.i Quant Type: ISTD
Cal Date : 14-JUL-2011 20:38 Cal File: L0371.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1016

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
*	1 Fluorobenzene	96	4.064	4.069	(1.000)	333215	25.0000	
$	41 Dibromofluoromethane	111	3.149	3.145	(0.775)	75370	18.4527	18
$	55 1,2-Dichloroethane-d4	65	3.709	3.715	(0.913)	85936	17.7090	18
*	75 Chlorobenzene-d5	117	7.370	7.375	(1.000)	341438	25.0000	
$	77 Toluene-d8	98	5.884	5.880	(0.798)	219284	19.0285	19
*	95 1,4-Dichlorobenzene-d4	152	9.446	9.441	(1.000)	178654	25.0000	
	111 1,4-Dichlorobenzene	146	9.455	9.461	(1.001)	11724	1.70430	2(H)
	112 1,2-Dichlorobenzene	146	9.819	9.815	(1.040)	6773	1.01546	1
$	125 Bromofluorobenzene	95	8.471	8.467	(0.897)	80073	18.7628	19

QC Flag Legend

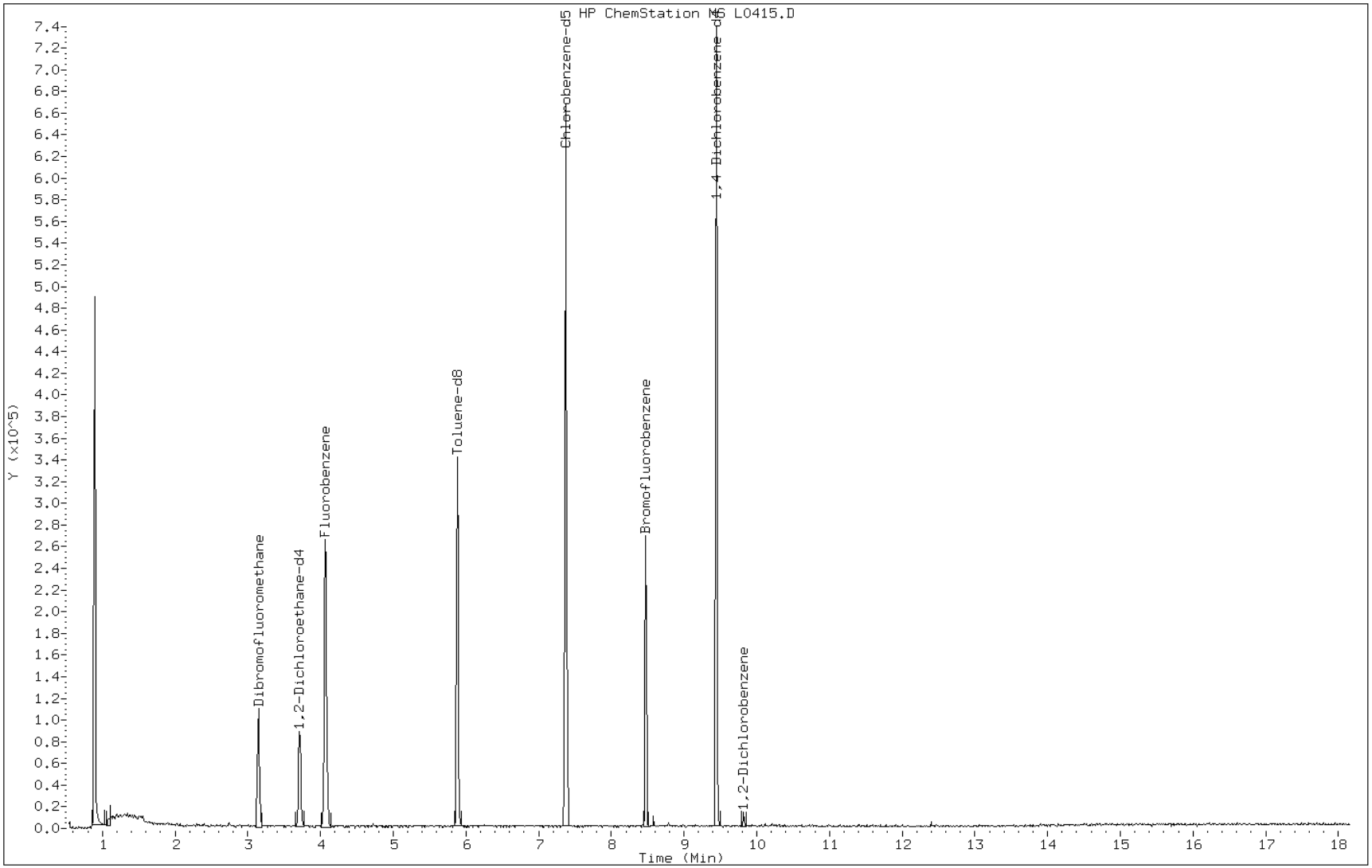
H - Operator selected an alternate compound hit.

Data File: L0415.D

Date: 19-JUL-2011 02:23

Client ID: MW-2 Instrument: msl.i

Sample Info: 220-15975-a-7 Operator: E. LYNCH



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-10 | Lab Sample ID: 220-15975-8

Matrix: Water | Lab File ID: L0416.D

Analysis Method: 8260B | Date Collected: 07/11/2011 15:00

Sample wt/vol: 5(mL) | Date Analyzed: 07/19/2011 02:47

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 52998 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	1.0
71-43-2	Benzene	5.0	U	5.0	0.74
75-27-4	Bromodichloromethane	5.0	U	5.0	0.48
75-25-2	Bromoform	5.0	U	5.0	0.46
74-83-9	Bromomethane	5.0	U	5.0	2.1
78-93-3	Methyl Ethyl Ketone	10	U	10	1.1
75-15-0	Carbon disulfide	5.0	U	5.0	0.90
56-23-5	Carbon tetrachloride	5.0	U	5.0	1.1
108-90-7	Chlorobenzene	5.0	U	5.0	0.72
75-00-3	Chloroethane	5.0	U	5.0	1.1
67-66-3	Chloroform	5.0	U	5.0	0.67
74-87-3	Chloromethane	5.0	U	5.0	1.1
124-48-1	Dibromochloromethane	5.0	U	5.0	0.55
75-34-3	1,1-Dichloroethane	5.0	U	5.0	1.0
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.72
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.83
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.71
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.28
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.57
100-41-4	Ethylbenzene	5.0	U	5.0	0.87
591-78-6	2-Hexanone	10	U	10	1.1
75-09-2	Methylene Chloride	5.0	U	5.0	0.78
108-10-1	methyl isobutyl ketone	10	U	10	0.38
100-42-5	Styrene	5.0	U	5.0	0.64
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81
127-18-4	Tetrachloroethene	5.0	U	5.0	0.81
108-88-3	Toluene	5.0	U	5.0	0.72
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.69
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.65
79-01-6	Trichloroethene	5.0	U	5.0	0.62
75-01-4	Vinyl chloride	5.0	U	5.0	0.99
1330-20-7	Xylenes, Total	5.0	U	5.0	2.3
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.99
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-10 Lab Sample ID: 220-15975-8

Matrix: Water Lab File ID: L0416.D

Analysis Method: 8260B Date Collected: 07/11/2011 15:00

Sample wt/vol: 5(mL) Date Analyzed: 07/19/2011 02:47

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 52998 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	66		65-136
460-00-4	4-Bromofluorobenzene	68		51-142
1868-53-7	Dibromofluoromethane	71		68-132
2037-26-5	Toluene-d8 (Surr)	72		63-127

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msl.i\L110397.b\L0416.D
Lab Smp Id: 220-15975-A-8 Client Smp ID: MW-10
Inj Date : 19-JUL-2011 02:47 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : 220-15975-a-8
Misc Info : LLW
Comment :
Method : \\consvr05\Files\chem\VOA\msl.i\L110397.b\L8260BNW.m
Meth Date : 26-Jul-2011 16:52 msl.i Quant Type: ISTD
Cal Date : 14-JUL-2011 20:38 Cal File: L0371.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1016

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

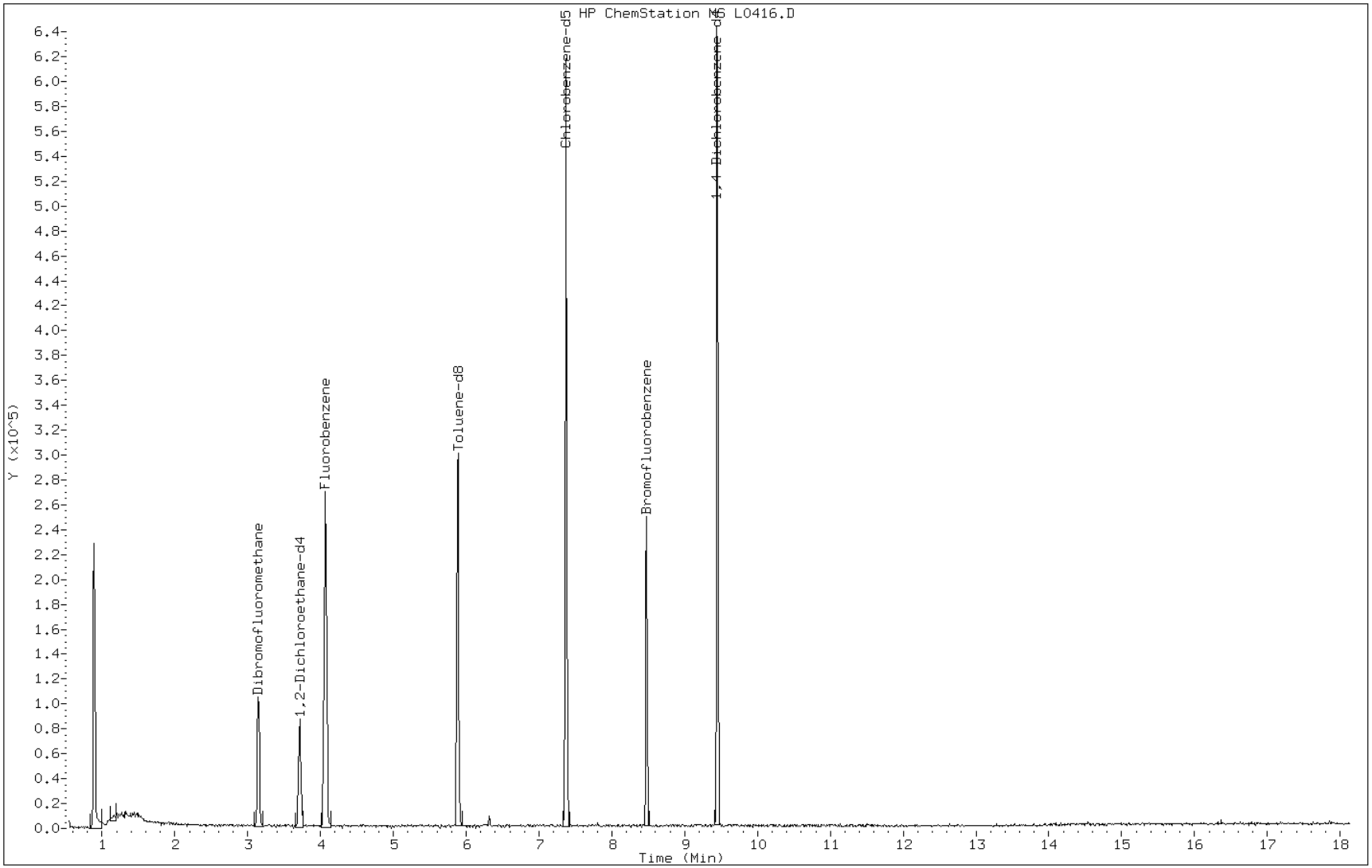
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.069	4.069	(1.000)	339623	25.0000	
$ 41 Dibromofluoromethane	111	3.144	3.145	(0.773)	74233	17.8314	18
$ 55 1,2-Dichloroethane-d4	65	3.715	3.715	(0.913)	82120	16.6034	17
* 75 Chlorobenzene-d5	117	7.375	7.375	(1.000)	354992	25.0000	
$ 77 Toluene-d8	98	5.889	5.880	(0.799)	215728	18.0052	18
80 Tetrachloroethene	164	6.312	6.313	(0.856)	1734	0.59050	0.6
* 95 1,4-Dichlorobenzene-d4	152	9.451	9.441	(1.000)	185327	25.0000	
$ 125 Bromofluorobenzene	95	8.477	8.467	(0.897)	74754	16.8857	17

Data File: L0416.D

Date: 19-JUL-2011 02:47

Client ID: MW-10 Instrument: msl.i

Sample Info: 220-15975-a-8 Operator: E. LYNCH



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-1 | Lab Sample ID: 220-15975-9

Matrix: Water | Lab File ID: L0417.D

Analysis Method: 8260B | Date Collected: 07/11/2011 15:40

Sample wt/vol: 5(mL) | Date Analyzed: 07/19/2011 03:11

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 52998 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	1.0
71-43-2	Benzene	5.0	U	5.0	0.74
75-27-4	Bromodichloromethane	5.0	U	5.0	0.48
75-25-2	Bromoform	5.0	U	5.0	0.46
74-83-9	Bromomethane	5.0	U	5.0	2.1
78-93-3	Methyl Ethyl Ketone	10	U	10	1.1
75-15-0	Carbon disulfide	5.0	U	5.0	0.90
56-23-5	Carbon tetrachloride	5.0	U	5.0	1.1
108-90-7	Chlorobenzene	5.0	U	5.0	0.72
75-00-3	Chloroethane	5.0	U	5.0	1.1
67-66-3	Chloroform	5.0	U	5.0	0.67
74-87-3	Chloromethane	5.0	U	5.0	1.1
124-48-1	Dibromochloromethane	5.0	U	5.0	0.55
75-34-3	1,1-Dichloroethane	5.0	U	5.0	1.0
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.72
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.83
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.71
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.28
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.57
100-41-4	Ethylbenzene	5.0	U	5.0	0.87
591-78-6	2-Hexanone	10	U	10	1.1
75-09-2	Methylene Chloride	5.0	U	5.0	0.78
108-10-1	methyl isobutyl ketone	10	U	10	0.38
100-42-5	Styrene	5.0	U	5.0	0.64
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81
127-18-4	Tetrachloroethene	5.0	U	5.0	0.81
108-88-3	Toluene	5.0	U	5.0	0.72
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.69
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.65
79-01-6	Trichloroethene	5.0	U	5.0	0.62
75-01-4	Vinyl chloride	5.0	U	5.0	0.99
1330-20-7	Xylenes, Total	5.0	U	5.0	2.3
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.99
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-1 Lab Sample ID: 220-15975-9

Matrix: Water Lab File ID: L0417.D

Analysis Method: 8260B Date Collected: 07/11/2011 15:40

Sample wt/vol: 5(mL) Date Analyzed: 07/19/2011 03:11

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 52998 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	69		65-136
460-00-4	4-Bromofluorobenzene	72		51-142
1868-53-7	Dibromofluoromethane	73		68-132
2037-26-5	Toluene-d8 (Surr)	71		63-127

STL-INC

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msl.i\L110397.b\L0417.D
Lab Smp Id: 220-15975-A-9 Client Smp ID: MW-1
Inj Date : 19-JUL-2011 03:11 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : 220-15975-a-9
Misc Info : LLW
Comment :
Method : \\consvr05\Files\chem\VOA\msl.i\L110397.b\L8260BNW.m
Meth Date : 26-Jul-2011 16:52 msl.i Quant Type: ISTD
Cal Date : 14-JUL-2011 20:38 Cal File: L0371.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1016

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.064	4.069	(1.000)	335068	25.0000	
$ 41 Dibromofluoromethane	111	3.149	3.145	(0.775)	74674	18.1812	18
$ 55 1,2-Dichloroethane-d4	65	3.709	3.715	(0.913)	84721	17.3621	17
* 75 Chlorobenzene-d5	117	7.370	7.375	(1.000)	357791	25.0000	
$ 77 Toluene-d8	98	5.884	5.880	(0.798)	214439	17.7576	18
* 95 1,4-Dichlorobenzene-d4	152	9.446	9.441	(1.000)	185904	25.0000	
110 1,3-Dichlorobenzene	146	9.377	9.382	(0.993)	4928	0.71967	0.7(MH)
111 1,4-Dichlorobenzene	146	9.455	9.461	(1.001)	50327	7.03063	7(H)
112 1,2-Dichlorobenzene	146	9.819	9.815	(1.040)	28432	4.09651	4
$ 125 Bromofluorobenzene	95	8.472	8.467	(0.897)	79856	17.9822	18

QC Flag Legend

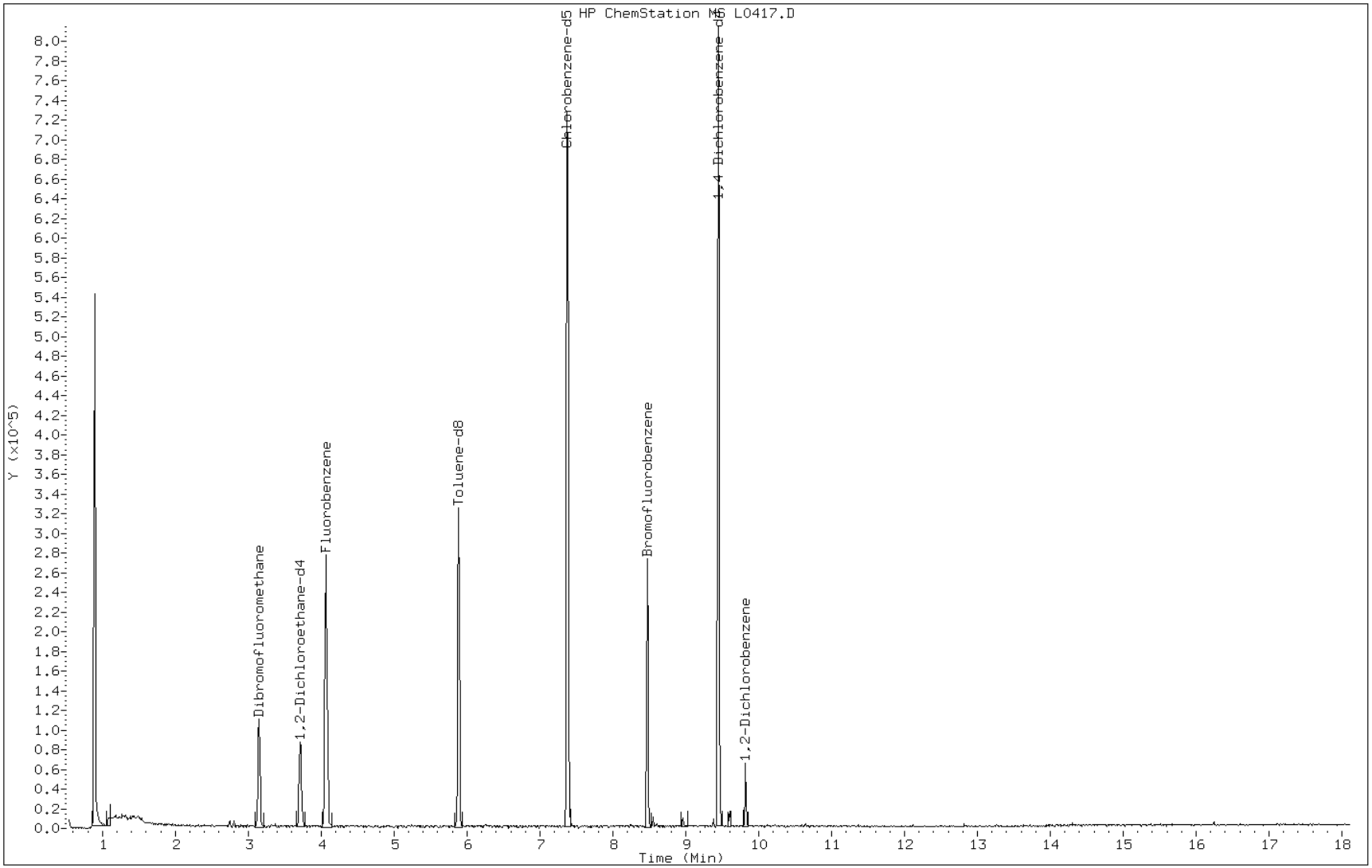
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: L0417.D

Date: 19-JUL-2011 03:11

Client ID: MW-1 Instrument: msl.i

Sample Info: 220-15975-a-9 Operator: E. LYNCH



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-6 | Lab Sample ID: 220-15975-10

Matrix: Water | Lab File ID: L0418.D

Analysis Method: 8260B | Date Collected: 07/11/2011 16:00

Sample wt/vol: 5(mL) | Date Analyzed: 07/19/2011 03:35

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 52998 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	1.0
71-43-2	Benzene	5.0	U	5.0	0.74
75-27-4	Bromodichloromethane	5.0	U	5.0	0.48
75-25-2	Bromoform	5.0	U	5.0	0.46
74-83-9	Bromomethane	5.0	U	5.0	2.1
78-93-3	Methyl Ethyl Ketone	10	U	10	1.1
75-15-0	Carbon disulfide	5.0	U	5.0	0.90
56-23-5	Carbon tetrachloride	5.0	U	5.0	1.1
108-90-7	Chlorobenzene	5.0	U	5.0	0.72
75-00-3	Chloroethane	5.0	U	5.0	1.1
67-66-3	Chloroform	5.0	U	5.0	0.67
74-87-3	Chloromethane	5.0	U	5.0	1.1
124-48-1	Dibromochloromethane	5.0	U	5.0	0.55
75-34-3	1,1-Dichloroethane	5.0	U	5.0	1.0
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.72
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.83
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.71
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.28
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.57
100-41-4	Ethylbenzene	5.0	U	5.0	0.87
591-78-6	2-Hexanone	10	U	10	1.1
75-09-2	Methylene Chloride	5.0	U	5.0	0.78
108-10-1	methyl isobutyl ketone	10	U	10	0.38
100-42-5	Styrene	5.0	U	5.0	0.64
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81
127-18-4	Tetrachloroethene	5.0	U	5.0	0.81
108-88-3	Toluene	5.0	U	5.0	0.72
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.69
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.65
79-01-6	Trichloroethene	5.0	U	5.0	0.62
75-01-4	Vinyl chloride	5.0	U	5.0	0.99
1330-20-7	Xylenes, Total	5.0	U	5.0	2.3
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.99
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-6 Lab Sample ID: 220-15975-10

Matrix: Water Lab File ID: L0418.D

Analysis Method: 8260B Date Collected: 07/11/2011 16:00

Sample wt/vol: 5(mL) Date Analyzed: 07/19/2011 03:35

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 52998 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	67		65-136
460-00-4	4-Bromofluorobenzene	71		51-142
1868-53-7	Dibromofluoromethane	72		68-132
2037-26-5	Toluene-d8 (Surr)	71		63-127

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msl.i\L110397.b\L0418.D
Lab Smp Id: 220-15975-A-10 Client Smp ID: MW-6
Inj Date : 19-JUL-2011 03:35 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : 220-15975-a-10
Misc Info : LLW
Comment :
Method : \\consvr05\Files\chem\VOA\msl.i\L110397.b\L8260BNW.m
Meth Date : 26-Jul-2011 16:52 msl.i Quant Type: ISTD
Cal Date : 14-JUL-2011 20:38 Cal File: L0371.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1016

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

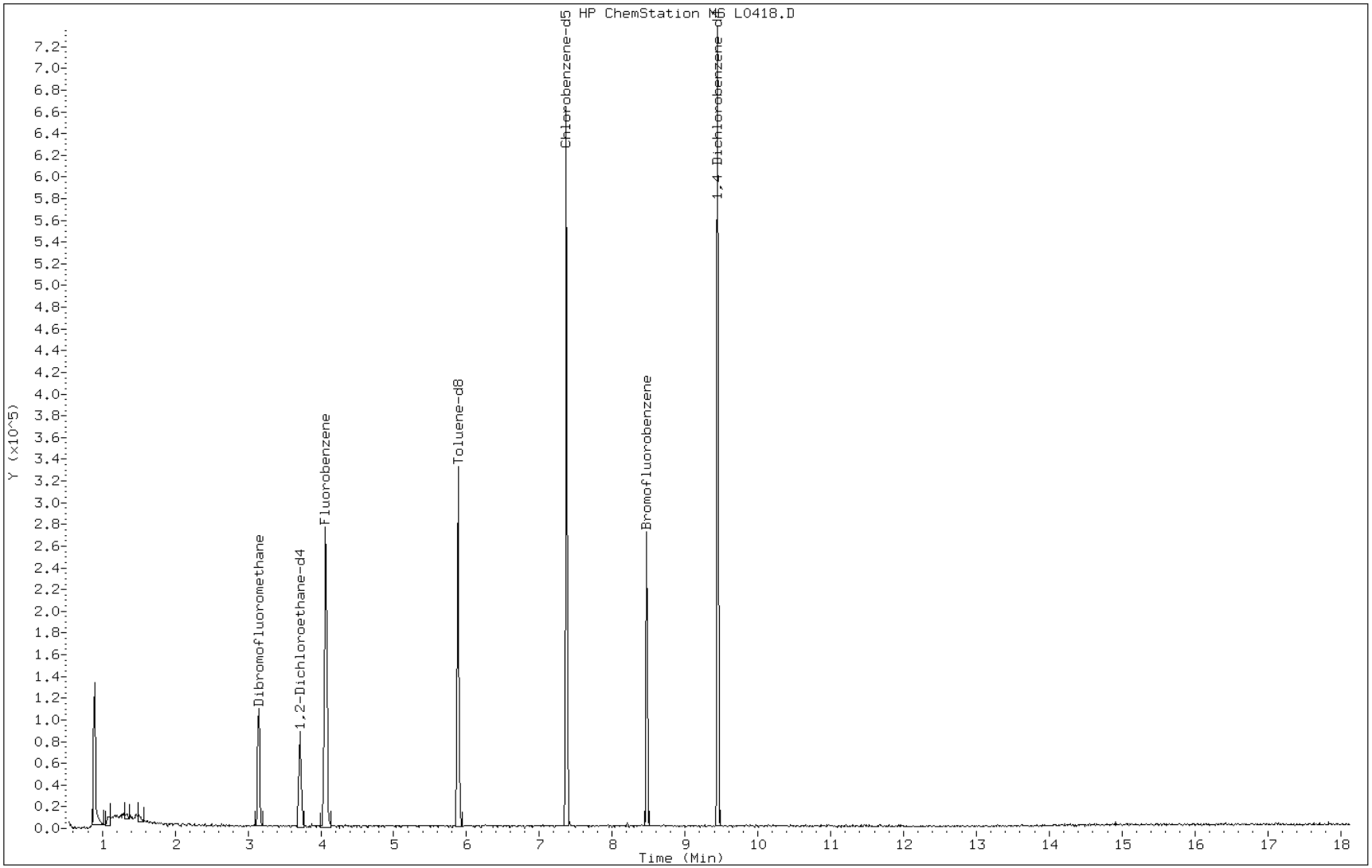
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.065	4.069	(1.000)	341366	25.0000	
$ 41 Dibromofluoromethane	111	3.150	3.145	(0.775)	75562	18.0580	18
$ 55 1,2-Dichloroethane-d4	65	3.710	3.715	(0.913)	83809	16.8583	17
* 75 Chlorobenzene-d5	117	7.370	7.375	(1.000)	361388	25.0000	
$ 77 Toluene-d8	98	5.885	5.880	(0.798)	217619	17.8415	18
* 95 1,4-Dichlorobenzene-d4	152	9.447	9.441	(1.000)	181979	25.0000	
$ 125 Bromofluorobenzene	95	8.472	8.467	(0.897)	77237	17.7675	18

Data File: L0418.D

Date: 19-JUL-2011 03:35

Client ID: MW-6 Instrument: msl.i

Sample Info: 220-15975-a-10 Operator: E. LYNCH



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 220-15975-11

Matrix: Water | Lab File ID: L0405.D

Analysis Method: 8260B | Date Collected: 07/11/2011 09:50

Sample wt/vol: 5(mL) | Date Analyzed: 07/18/2011 22:20

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 52998 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	1.0
71-43-2	Benzene	5.0	U	5.0	0.74
75-27-4	Bromodichloromethane	5.0	U	5.0	0.48
75-25-2	Bromoform	5.0	U	5.0	0.46
74-83-9	Bromomethane	5.0	U	5.0	2.1
78-93-3	Methyl Ethyl Ketone	10	U	10	1.1
75-15-0	Carbon disulfide	5.0	U	5.0	0.90
56-23-5	Carbon tetrachloride	5.0	U	5.0	1.1
108-90-7	Chlorobenzene	5.0	U	5.0	0.72
75-00-3	Chloroethane	5.0	U	5.0	1.1
67-66-3	Chloroform	5.0	U	5.0	0.67
74-87-3	Chloromethane	5.0	U	5.0	1.1
124-48-1	Dibromochloromethane	5.0	U	5.0	0.55
75-34-3	1,1-Dichloroethane	5.0	U	5.0	1.0
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.72
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.83
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.71
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.28
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.57
100-41-4	Ethylbenzene	5.0	U	5.0	0.87
591-78-6	2-Hexanone	10	U	10	1.1
75-09-2	Methylene Chloride	1.2	J B	5.0	0.78
108-10-1	methyl isobutyl ketone	10	U	10	0.38
100-42-5	Styrene	5.0	U	5.0	0.64
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81
127-18-4	Tetrachloroethene	5.0	U	5.0	0.81
108-88-3	Toluene	5.0	U	5.0	0.72
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.69
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.65
79-01-6	Trichloroethene	5.0	U	5.0	0.62
75-01-4	Vinyl chloride	5.0	U	5.0	0.99
1330-20-7	Xylenes, Total	5.0	U	5.0	2.3
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.99
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 220-15975-11

Matrix: Water Lab File ID: L0405.D

Analysis Method: 8260B Date Collected: 07/11/2011 09:50

Sample wt/vol: 5(mL) Date Analyzed: 07/18/2011 22:20

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 52998 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	68		65-136
460-00-4	4-Bromofluorobenzene	67		51-142
1868-53-7	Dibromofluoromethane	72		68-132
2037-26-5	Toluene-d8 (Surr)	70		63-127

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msl.i\L110397.b\L0405.D
Lab Smp Id: 220-15975-B-11 Client Smp ID: TRIP BLANK
Inj Date : 18-JUL-2011 22:20 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : 220-15975-b-11
Misc Info : LLW
Comment :
Method : \\consvr05\Files\chem\VOA\msl.i\L110397.b\L8260BNW.m
Meth Date : 26-Jul-2011 16:52 msl.i Quant Type: ISTD
Cal Date : 14-JUL-2011 20:38 Cal File: L0371.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1016

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	1 Fluorobenzene	96	4.064	4.069	(1.000)	338104	25.0000	
	20 Methylene Chloride	84	1.870	1.865	(0.460)	4475	1.18329	1
$	41 Dibromofluoromethane	111	3.139	3.145	(0.772)	74652	18.0126	18
	52 Benzene	78	3.553	3.558	(0.874)	2459	0.21132	0.2
$	55 1,2-Dichloroethane-d4	65	3.710	3.715	(0.913)	84238	17.1081	17
*	75 Chlorobenzene-d5	117	7.370	7.375	(1.000)	354945	25.0000	
$	77 Toluene-d8	98	5.884	5.880	(0.798)	211126	17.6234	18
*	95 1,4-Dichlorobenzene-d4	152	9.446	9.441	(1.000)	188346	25.0000	
$	125 Bromofluorobenzene	95	8.472	8.467	(0.897)	74959	16.6606	17

Data File: L0405.D

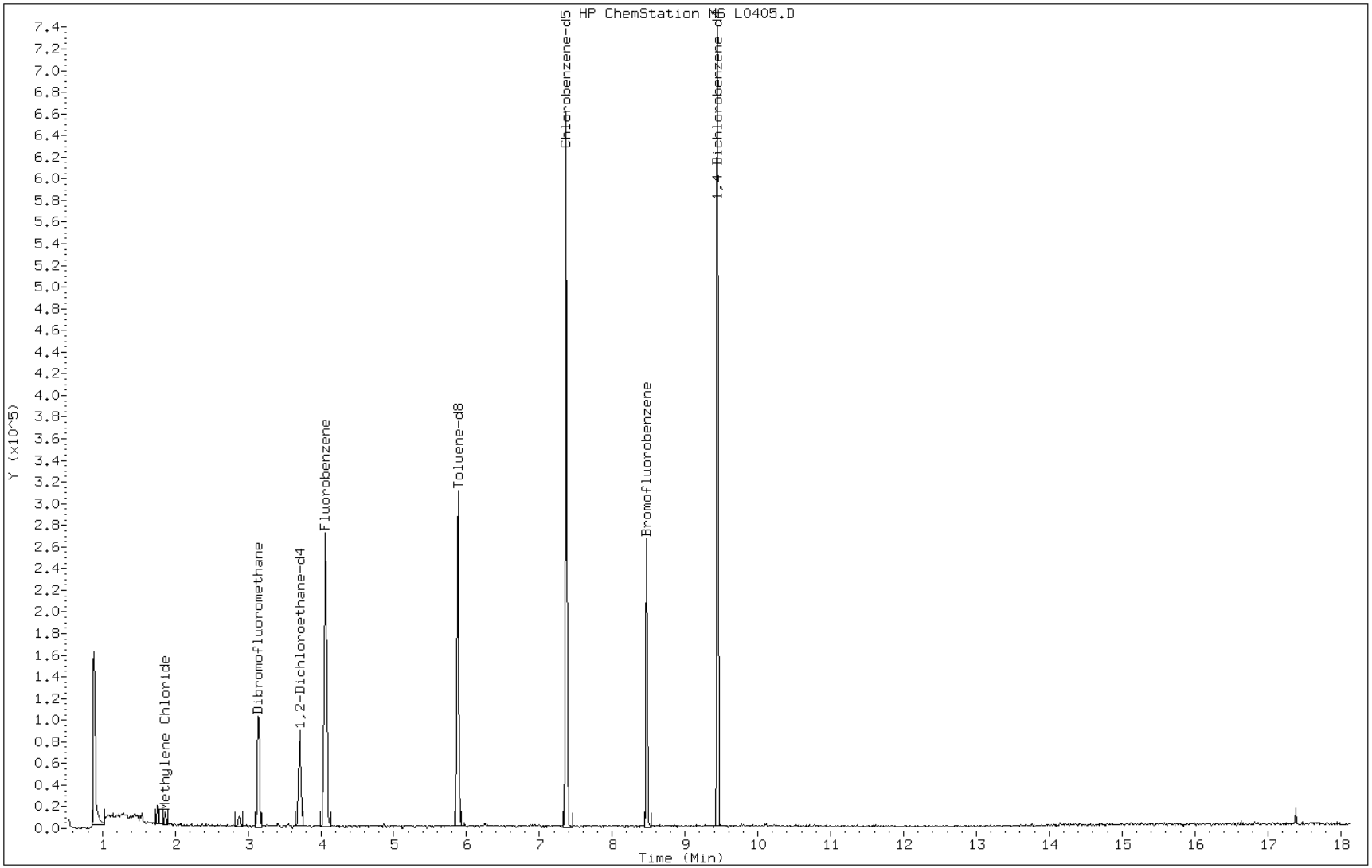
Date: 18-JUL-2011 22:20

Client ID: TRIP BLANK

Instrument: msl.i

Sample Info: 220-15975-b-11

Operator: E. LYNCH



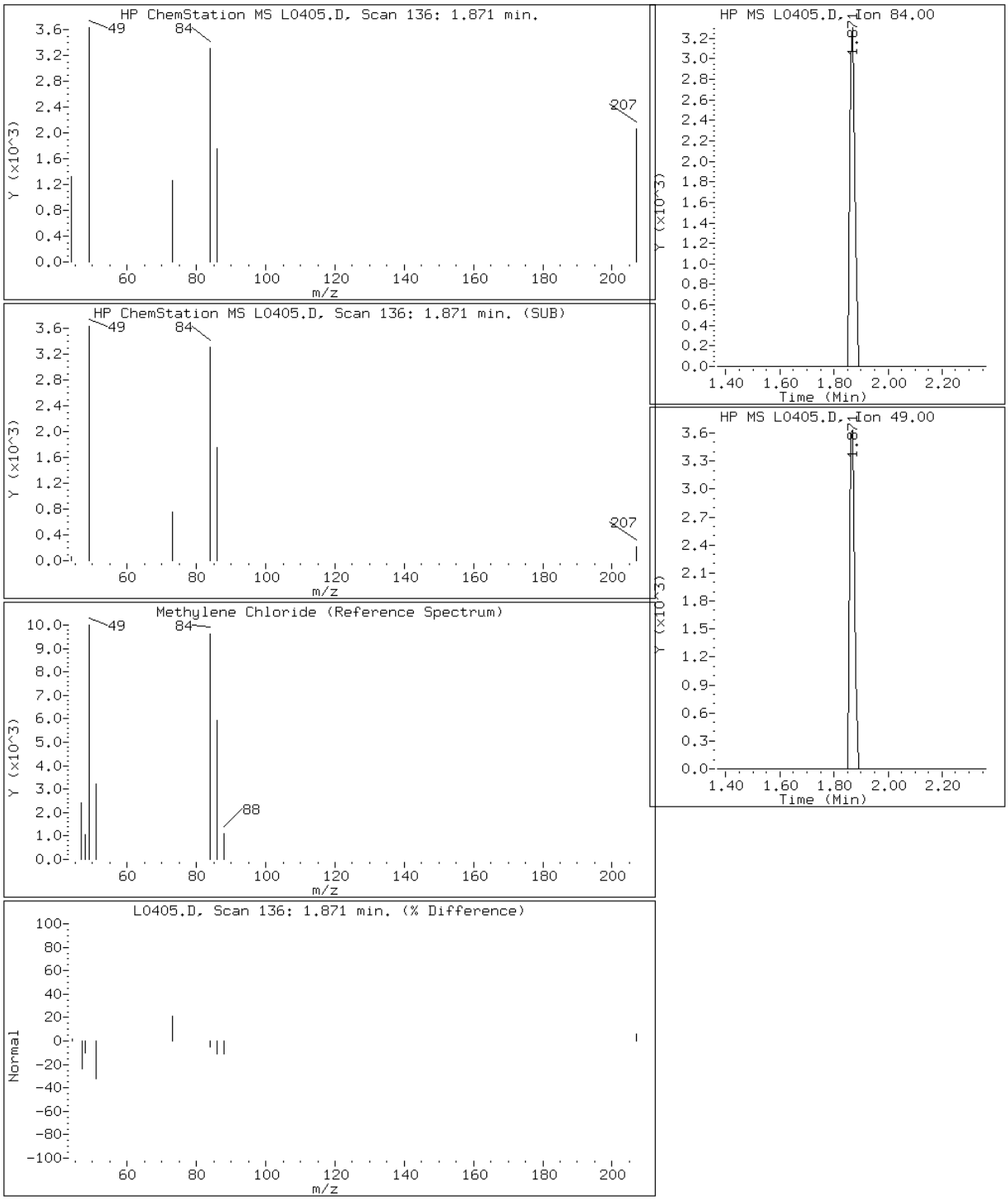
Data File: L0405.D

Date: 18-JUL-2011 22:20

Client ID: TRIP BLANK Instrument: msl.i

Sample Info: 220-15975-b-11 Operator: E. LYNCH

20 Methylene Chloride



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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52935

SDG No.:

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

Calibration Start Date: 07/14/2011 19:01 Calibration End Date: 07/14/2011 21:02 Calibration ID: 11475

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52935/6	L0372.D
Level 2	IC 220-52935/5	L0371.D
Level 3	IC 220-52935/4	L0370.D
Level 4	IC 220-52935/3	L0369.D
Level 5	IC 220-52935/2	L0368.D
Level 6	IC 220-52935/1	L0367.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1335 0.1702	0.1365	0.1465	0.1664	0.1812	Ave		0.1557				12.6		15.0			
Chloromethane	0.1801 0.1965	0.1754	0.1997	0.2030	0.2234	Ave		0.1963			0.1000	8.8		15.0			
Vinyl chloride	0.1588 0.2065	0.1732	0.1891	0.1975	0.2131	Ave		0.1897				10.9		30.0			
Bromomethane	0.1712 0.1154	0.1248	0.1073	0.1109	0.1117	Lin	-0.003	0.1135							0.9986		
Chloroethane	0.1854 0.0990	0.1401	0.1009	0.0967	0.0879	Lin	-0.186	0.0930							0.9910		
Trichlorofluoromethane	0.2737 0.2847	0.2557	0.2762	0.2742	0.2811	Ave		0.2743				3.7		15.0			
Dichlorofluoromethane	0.3520 0.3811	0.3434	0.3615	0.3867	0.3983	Ave		0.3705				5.8		15.0			
Ethyl ether	0.1192 0.1070	0.1058	0.1039	0.1080	0.1127	Ave		0.1094				5.1		15.0			
Ethanol	0.0124 0.0095	0.0098	0.0113	0.0110	0.0117	Ave		0.0110				10.3		15.0			
1,1-Dichloroethene	0.1681 0.1846	0.1573	0.1806	0.1964	0.2034	Ave		0.1817				9.5		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1750 0.2121	0.1685	0.1980	0.2251	0.2358	Ave		0.2024				13.3		15.0			
Carbon disulfide	0.6009 0.7175	0.5977	0.6800	0.7287	0.7740	Ave		0.6831				10.5		15.0			
Iodomethane	0.4180 0.4693	0.4138	0.4319	0.4581	0.4560	Ave		0.4412				5.2		15.0			
Isopropyl alcohol	+++++ 0.0174	0.0214	0.0169	0.0122	0.0211	Ave		0.0178				21.1	*	15.0			
Acrolein	0.0423 0.0425	0.0459	0.0463	0.0431	0.0470	Ave		0.0445				4.8		15.0			

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52935

SDG No.:

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

Calibration Start Date: 07/14/2011 19:01 Calibration End Date: 07/14/2011 21:02 Calibration ID: 11475

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
3-Chloro-1-propene	0.2359 0.2549	0.2555	0.2607	0.2811	0.2875	Ave		0.2626				7.2		15.0			
Methylene Chloride	0.3581 0.2575	0.2693	0.2518	0.2658	0.2754	Ave		0.2796				14.1		15.0			
Acetone	0.1397 0.1031	0.1114	0.0884	0.0889	0.1090	Lin	0.1361	0.1054							0.9901		
Methyl acetate	1.1170 0.8820	1.0086	1.0143	0.9163	0.9920	Ave		0.9884				8.4		15.0			
trans-1,2-Dichloroethene	0.2128 0.2402	0.2131	0.2351	0.2537	0.2598	Ave		0.2358				8.4		15.0			
Methyl tert-butyl ether	0.8898 0.8445	0.8592	0.8310	0.8580	0.9011	Ave		0.8639				3.1		15.0			
tert-Butyl alcohol	0.0604 0.0284	0.0418	0.0421	0.0391	0.0375	Ave		0.0416				25.2	*	15.0			
Acetonitrile	0.0260 0.0181	0.0218	0.0220	0.0184	0.0215	Ave		0.0213				13.5		15.0			
Isopropyl ether	0.6234 0.6747	0.6331	0.6539	0.6855	0.7120	Ave		0.6638				5.0		15.0			
2-Chloro-1,3-butadiene	0.1740 0.2203	0.1796	0.2094	0.2341	0.2400	Ave		0.2096				13.2		15.0			
1,1-Dichloroethane	0.3876 0.4348	0.3839	0.4122	0.4537	0.4683	Ave		0.4234			0.1000	8.2		15.0			
Acrylonitrile	0.1008 0.0913	0.1030	0.0998	0.0944	0.0982	Ave		0.0979				4.4		15.0			
Tert-butyl ethyl ether	0.7739 0.8351	0.7910	0.8140	0.8622	0.8928	Ave		0.8282				5.4		15.0			
Vinyl acetate	0.6294 0.6349	0.6387	0.6483	0.6287	0.6714	Ave		0.6419				2.5		15.0			
cis-1,2-Dichloroethene	0.2558 0.2876	0.2612	0.2714	0.2962	0.3127	Ave		0.2808				7.8		15.0			
2,2-Dichloropropane	0.3537 0.4256	0.3392	0.3874	0.4316	0.4652	Ave		0.4004				12.2		15.0			
Bromochloromethane	0.1752 0.1752	0.1789	0.1711	0.1825	0.1875	Ave		0.1784				3.3		15.0			
Cyclohexane	0.1848 0.2309	0.1849	0.2140	0.2414	0.2478	Ave		0.2173				12.7		15.0			
Chloroform	0.4407 0.4958	0.4425	0.4623	0.5096	0.5312	Ave		0.4804				7.8		30.0			
Ethyl acetate	0.0181 0.0157	0.0173	0.0170	0.0158	0.0175	Ave		0.0169				5.7		15.0			

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52935

SDG No.:

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

Calibration Start Date: 07/14/2011 19:01 Calibration End Date: 07/14/2011 21:02 Calibration ID: 11475

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl acrylate	0.2670 0.2442	0.2627	0.2647	0.2608	0.2689	Ave		0.2614				3.4		15.0			
Carbon tetrachloride	0.2487 0.3279	0.2567	0.3034	0.3448	0.3606	Lin	0.1234	0.3469							0.9944		
Tetrahydrofuran	0.0916 0.0746	0.0868	0.0881	0.0831	0.0843	Ave		0.0848				6.9		15.0			
1,1,1-Trichloroethane	0.2932 0.3784	0.3079	0.3506	0.3960	0.4097	Ave		0.3560				13.3		15.0			
Methyl Ethyl Ketone	0.1392 0.1278	0.1389	0.1365	0.1242	0.1384	Ave		0.1342				4.8		15.0			
1,1-Dichloropropene	0.2967 0.3471	0.2752	0.3263	0.3639	0.3774	Ave		0.3311				11.9		15.0			
1-Chlorobutane	0.3434 0.4384	0.3548	0.4061	0.4563	0.4743	Ave		0.4122				13.1		15.0			
Benzene	0.8118 0.8793	0.7821	0.8295	0.9129	0.9468	Ave		0.8604				7.4		15.0			
Propionitrile	0.0449 0.0343	0.0450	0.0426	0.0395	0.0414	Ave		0.0413				9.7		15.0			
Methacrylonitrile	0.2008 0.1602	0.1809	0.1693	0.1631	0.1807	Ave		0.1759				8.5		15.0			
Heptane	0.2269 0.2387	0.2415	0.2351	0.2497	0.2592	Ave		0.2418				4.7		15.0			
Tert-amyl methyl ether	0.8091 0.7984	0.7716	0.7817	0.8177	0.8512	Ave		0.8050				3.5		15.0			
1,2-Dichloroethane	0.3834 0.4214	0.3967	0.4021	0.4308	0.4560	Ave		0.4151				6.3		15.0			
Isobutyl alcohol	0.0094 0.0049	0.0077	0.0078	0.0070	0.0065	Ave		0.0072				20.7	*	15.0			
Methylcyclohexane	0.2115 0.1997	0.2023	0.2191	0.2339	0.2374	Ave		0.2173				7.3		15.0			
Trichloroethene	0.2289 0.3030	0.2628	0.2934	0.3220	0.3351	Ave		0.2909				13.5		15.0			
1,4-Dioxane	0 0.0013	0.0031	0.0034	0.0030	0.0029	Ave		0.0027				29.7	*	15.0			
Dibromomethane	0.1795 0.2086	0.1993	0.1990	0.2127	0.2234	Ave		0.2037				7.4		15.0			
1,2-Dichloropropane	0.1966 0.2313	0.2142	0.2209	0.2402	0.2517	Ave		0.2258				8.7		30.0			
Ethyl acrylate	0.4072 0.4019	0.4271	0.4174	0.4024	0.4281	Ave		0.4140				2.9		15.0			

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52935

SDG No.:

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

Calibration Start Date: 07/14/2011 19:01 Calibration End Date: 07/14/2011 21:02 Calibration ID: 11475

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Bromodichloromethane	0.3535 0.3939	0.3527	0.3608	0.3990	0.4229	Ave		0.3805				7.6		15.0			
Methyl methacrylate	0.2109 0.2227	0.2262	0.2359	0.2311	0.2432	Ave		0.2283				4.9		15.0			
2-Chloroethyl vinyl ether	0.1913 0.1915	0.1846	0.1945	0.1913	0.2000	Ave		0.1922				2.6		15.0			
cis-1,3-Dichloropropene	0.4040 0.4478	0.4125	0.4272	0.4613	0.4850	Ave		0.4396				7.0		15.0			
Toluene	0.8124 0.9387	0.8141	0.8816	0.9749	0.9968	Ave		0.9031				8.8		30.0			
Chloroacetonitrile	0.0094 0.0078	0.0106	0.0094	0.0090	0.0095	Lin	-2.002	0.0083							0.9777		
2-Nitropropane	0.1027 0.0954	0.1069	0.1042	0.0999	0.1069	Ave		0.1027				4.4		15.0			
1,1-Dichloro-2-propanone	+++++ 0.1479	0.1672	0.1630	0.1545	0.1636	Ave		0.1592				4.9		15.0			
Tetrachloroethene	0.1837 0.2169	0.1750	0.2012	0.2313	0.2326	Ave		0.2068				11.7		15.0			
methyl isobutyl ketone	0.3088 0.2519	0.2850	0.2837	0.2742	0.2772	Ave		0.2802				6.6		15.0			
trans-1,3-Dichloropropene	0.4038 0.4631	0.4388	0.4083	0.4754	0.4938	Ave		0.4472				8.2		15.0			
1,1,2-Trichloroethane	0.2475 0.2459	0.2382	0.2408	0.2524	0.2681	Ave		0.2488				4.3		15.0			
Ethyl methacrylate	0.3541 0.3435	0.3468	0.3531	0.3576	0.3694	Ave		0.3541				2.6		15.0			
Dibromochloromethane	0.3469 0.3821	0.3420	0.3562	0.3910	0.4006	Ave		0.3698				6.7		15.0			
1,3-Dichloropropane	0.4239 0.4349	0.4125	0.4205	0.4499	0.4595	Ave		0.4335				4.2		15.0			
1,2-Dibromoethane	0.3031 0.3266	0.3083	0.3199	0.3352	0.3500	Ave		0.3238				5.4		15.0			
2-Hexanone	0.2332 0.1901	0.2132	0.2064	0.1980	0.2060	Ave		0.2078				7.1		15.0			
Chlorobenzene	0.6100 0.6773	0.6013	0.6612	0.7044	0.7283	Ave		0.6637			0.3000	7.6		15.0			
1-Chlorohexane	0.2852 0.2317	0.1874	0.2123	0.2528	0.2668	Ave		0.2394				15.1	*	15.0			
Ethylbenzene	0.2690 0.2999	0.2589	0.2939	0.3198	0.3251	Ave		0.2945				9.0		30.0			

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52935

SDG No.:

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

Calibration Start Date: 07/14/2011 19:01 Calibration End Date: 07/14/2011 21:02 Calibration ID: 11475

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,1,2-Tetrachloroethane	0.2608 0.2954	0.2634	0.2794	0.3017	0.3098	Ave		0.2851				7.2		15.0			
m&p-Xylene	0.3352 0.3647	0.3257	0.3613	0.3920	0.3895	Ave		0.3614				7.5		15.0			
o-Xylene	0.3277 0.3832	0.3304	0.3659	0.4050	0.3984	Ave		0.3685				9.1		15.0			
Styrene	0.6061 0.6595	0.6025	0.6482	0.6993	0.6983	Ave		0.6523				6.5		15.0			
Bromoform	0.2463 0.2661	0.2514	0.2711	0.2843	0.2879	Ave		0.2679			0.1000	6.3		15.0			
Isopropylbenzene	1.2472 1.3901	1.1610	1.2909	1.4667	1.5079	Ave		1.3440				10.0		15.0			
Bromobenzene	0.6181 0.6687	0.5830	0.6249	0.6907	0.7112	Ave		0.6494				7.5		15.0			
N-Propylbenzene	1.5075 1.5855	1.3496	1.5133	1.6998	1.7057	Ave		1.5602				8.6		15.0			
1,1,2,2-Tetrachloroethane	0.7755 0.6502	0.6855	0.6744	0.6938	0.7170	Ave		0.6994			0.3000	6.2		15.0			
4-Ethyltoluene	1.3299 1.4035	1.2102	1.3509	1.5114	1.5085	Ave		1.3857				8.3		15.0			
2-Chlorotoluene	1.1847 1.2562	1.0930	1.2114	1.3458	1.3498	Ave		1.2401				8.0		15.0			
1,2,3-Trichloropropane	0.2437 0.2055	0.2165	0.2200	0.2237	0.2253	Ave		0.2224				5.7		15.0			
1,3,5-Trimethylbenzene	1.1050 1.1494	1.0159	1.1140	1.0708	1.2385	Ave		1.1156				6.7		15.0			
trans-1,4-Dichloro-2-butene	0.1854 0.1820	0.1825	0.1830	0.1861	0.1951	Ave		0.1857				2.6		15.0			
4-Chlorotoluene	1.1717 1.2073	1.0735	1.1532	1.2771	1.3019	Ave		1.1975				7.0		15.0			
tert-Butylbenzene	0.9145 0.9049	0.8483	0.9109	1.0245	1.0323	Ave		0.9392				7.8		15.0			
1,2,4-Trimethylbenzene	1.1661 1.2092	1.0515	1.1840	1.3032	1.3215	Ave		1.2059				8.2		15.0			
sec-Butylbenzene	1.3393 1.2310	1.1916	1.2869	1.3848	1.4108	Ave		1.3074				6.6		15.0			
4-Isopropyltoluene	1.2312 1.0919	1.0316	1.1307	1.2249	1.2186	Ave		1.1548				7.2		15.0			
1,3-Dichlorobenzene	0.9307 0.9241	0.8377	0.8860	0.9715	0.9751	Ave		0.9208				5.7		15.0			

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52935

SDG No.:

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

Calibration Start Date: 07/14/2011 19:01 Calibration End Date: 07/14/2011 21:02 Calibration ID: 11475

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,4-Dichlorobenzene	0.9716 0.9323	0.8862	0.9317	1.0159	1.0380	Ave		0.9626				5.9		15.0			
p-Diethylbenzene	0.3087 0.2627	0.2754	0.3054	0.3168	0.3203	Ave		0.2982				7.9		15.0			
Benzyl chloride	0.2632 0.2805	0.2652	0.2839	0.2942	0.3138	Ave		0.2835				6.7		15.0			
n-Butylbenzene	1.2608 1.2623	1.3206	1.0028	1.3852	1.3728	Ave		1.2674				11.0		15.0			
1,2-Dichlorobenzene	0.9544 0.9207	0.8642	0.8991	0.9723	0.9894	Ave		0.9334				5.1		15.0			
1,2,4,5-Tetramethylbenzene	0.6455 0.5163	0.5749	0.5860	0.5863	0.6140	Ave		0.5872				7.3		15.0			
1,2-Dibromo-3-Chloropropane	0.1746 0.1344	0.1633	0.1583	0.1529	0.1584	Ave		0.1570				8.5		15.0			
Nitrobenzene	0.1182 0.0552	0.0915	0.0863	0.0820	0.0840	Ave		0.0862				23.4	*	15.0			
Hexachlorobutadiene	0.4732 0.1339	0.2492	0.1870	0.1762	0.1677	Ave		0.2312				53.8	*	15.0			
1,2,4-Trichlorobenzene	0.6280 0.4487	0.5187	0.5012	0.5209	0.5328	Ave		0.5251				11.1		15.0			
Naphthalene	2.5083 1.5295	1.9474	1.8633	1.8474	1.8937	Ave		1.9316				16.5	*	15.0			
1,2,3-Trichlorobenzene	0.6680 0.4228	0.5034	0.4930	0.5013	0.5144	Ave		0.5172				15.6	*	15.0			
Dibromofluoromethane	0.2722 0.3146	0.2930	0.3032	0.3202	0.3355	Ave		0.3064				7.3		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3454 0.3641	0.3586	0.3538	0.3719	0.3907	Ave		0.3641				4.3		15.0			
Toluene-d8 (Surr)	0.7693 0.8688	0.7578	0.8517	0.8925	0.9227	Ave		0.8438				7.9		15.0			
4-Bromofluorobenzene	0.5783 0.6056	0.5471	0.5895	0.6197	0.6429	Ave		0.5972				5.6		15.0			

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52935

SDG No.:

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

Calibration Start Date: 07/14/2011 19:01 Calibration End Date: 07/14/2011 21:02 Calibration ID: 11475

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52935/6	L0372.D
Level 2	IC 220-52935/5	L0371.D
Level 3	IC 220-52935/4	L0370.D
Level 4	IC 220-52935/3	L0369.D
Level 5	IC 220-52935/2	L0368.D
Level 6	IC 220-52935/1	L0367.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	9042 429466	36021	98062	215920	318269	5.00 200	20.0	50.0	100	150
Chloromethane	FB	Ave	12196 495862	46265	133667	263334	392355	5.00 200	20.0	50.0	100	150
Vinyl chloride	FB	Ave	10750 521221	45680	126591	256202	374294	5.00 200	20.0	50.0	100	150
Bromomethane	FB	Lin	11589 291237	32930	71837	143836	196200	5.00 200	20.0	50.0	100	150
Chloroethane	FB	Lin	12557 249929	36953	67542	125523	154477	5.00 200	20.0	50.0	100	150
Trichlorofluoromethane	FB	Ave	18533 718380	67451	184881	355763	493697	5.00 200	20.0	50.0	100	150
Dichlorofluoromethane	FB	Ave	23837 961654	90589	241965	501760	699525	5.00 200	20.0	50.0	100	150
Ethyl ether	FB	Ave	8070 270023	27912	69526	140122	198023	5.00 200	20.0	50.0	100	150
Ethanol	FB	Ave	8402 238736	25913	75894	142307	206337	50.0 2000	200	500	1000	1500
1,1-Dichloroethene	FB	Ave	11382 465779	41504	120897	254871	357264	5.00 200	20.0	50.0	100	150
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	11849 535219	44440	132516	292021	414101	5.00 200	20.0	50.0	100	150
Carbon disulfide	FB	Ave	40687 1810636	157686	455164	945457	1359483	5.00 200	20.0	50.0	100	150
Iodomethane	FB	Ave	28304 1184321	109156	289112	594347	800952	5.00 200	20.0	50.0	100	150
Isopropyl alcohol	FB	Ave	+++++ 43999	5647	11342	15770	37019	+++++ 200	20.0	50.0	100	150
Acrolein	FB	Ave	14313 536671	60596	155103	279750	413142	25.0 1000	100	250	500	750
3-Chloro-1-propene	FB	Ave	15975 643266	67418	174518	364729	504999	5.00 200	20.0	50.0	100	150

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52935

SDG No.:

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

Calibration Start Date: 07/14/2011 19:01 Calibration End Date: 07/14/2011 21:02 Calibration ID: 11475

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Methylene Chloride	FB	Ave	24248 649720	71041	168547	344838	483687	5.00 200	20.0	50.0	100	150
Acetone	FB	Lin	9461 260131	29393	59194	115306	191376	5.00 200	20.0	50.0	100	150
Methyl acetate	FB	Ave	75631 2225776	266095	678904	1188876	1742366	5.00 200	20.0	50.0	100	150
trans-1,2-Dichloroethene	FB	Ave	14406 606168	56227	157337	329153	456341	5.00 200	20.0	50.0	100	150
Methyl tert-butyl ether	FB	Ave	60248 2131060	226677	556233	1113234	1582732	5.00 200	20.0	50.0	100	150
tert-Butyl alcohol	FB	Ave	20437 358451	55174	140966	253859	329441	25.0 1000	100	250	500	750
Acetonitrile	FB	Ave	17614 457814	57464	147547	238480	378255	50.0 2000	200	500	1000	1500
Isopropyl ether	FB	Ave	42210 1702621	167025	437720	889387	1250614	5.00 200	20.0	50.0	100	150
2-Chloro-1,3-butadiene	FB	Ave	11785 555862	47390	140145	303772	421610	5.00 200	20.0	50.0	100	150
1,1-Dichloroethane	FB	Ave	26244 1097275	101287	275891	588642	822545	5.00 200	20.0	50.0	100	150
Acrylonitrile	FB	Ave	13651 460658	54351	133559	245026	345082	10.0 400	40.0	100	200	300
Tert-butyl ethyl ether	FB	Ave	52403 2107346	208674	544889	1118700	1568233	5.00 200	20.0	50.0	100	150
Vinyl acetate	FB	Ave	42617 1602236	168499	433961	815730	1179270	5.00 200	20.0	50.0	100	150
cis-1,2-Dichloroethene	FB	Ave	17321 725843	68904	181692	384339	549342	5.00 200	20.0	50.0	100	150
2,2-Dichloropropane	FB	Ave	23950 1074025	89475	259293	559964	817126	5.00 200	20.0	50.0	100	150
Bromochloromethane	FB	Ave	11860 442181	47189	114524	236750	329419	5.00 200	20.0	50.0	100	150
Cyclohexane	FB	Ave	12512 582709	48782	143273	313161	435258	5.00 200	20.0	50.0	100	150
Chloroform	FB	Ave	29839 1251302	116741	309431	661161	933112	5.00 200	20.0	50.0	100	150
Ethyl acetate	FB	Ave	2452 79387	9127	22748	41011	61625	10.0 400	40.0	100	200	300
Methyl acrylate	FB	Ave	18078 616238	69303	177192	338426	472337	5.00 200	20.0	50.0	100	150
Carbon tetrachloride	FB	Lin	16839 827452	67719	203105	447349	633343	5.00 200	20.0	50.0	100	150

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52935

SDG No.:

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

Calibration Start Date: 07/14/2011 19:01 Calibration End Date: 07/14/2011 21:02 Calibration ID: 11475

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Tetrahydrofuran	FB	Ave	12409 376405	45814	117995	215570	296251	10.0 400	40.0	100	200	300
1,1,1-Trichloroethane	FB	Ave	19854 955040	81241	234688	513767	719628	5.00 200	20.0	50.0	100	150
Methyl Ethyl Ketone	FB	Ave	9424 322611	36648	91355	161166	243106	5.00 200	20.0	50.0	100	150
1,1-Dichloropropene	FB	Ave	20089 875899	72615	218399	472125	662948	5.00 200	20.0	50.0	100	150
1-Chlorobutane	FB	Ave	23249 1106215	93606	271812	592093	833064	5.00 200	20.0	50.0	100	150
Benzene	FB	Ave	54971 2219087	206333	555253	1184402	1663018	5.00 200	20.0	50.0	100	150
Propionitrile	FB	Ave	30376 865007	118657	285270	512418	728039	50.0 2000	200	500	1000	1500
Methacrylonitrile	FB	Ave	13596 404361	47729	113318	211677	317472	5.00 200	20.0	50.0	100	150
Heptane	FB	Ave	15362 602312	63715	157346	323938	455267	5.00 200	20.0	50.0	100	150
Tert-amyl methyl ether	FB	Ave	54787 2014792	203552	523238	1060948	1495189	5.00 200	20.0	50.0	100	150
1,2-Dichloroethane	FB	Ave	25961 1063416	104651	269177	558901	801032	5.00 200	20.0	50.0	100	150
Isobutyl alcohol	FB	Ave	6351 123540	20429	52172	91100	114834	50.0 2000	200	500	1000	1500
Methylcyclohexane	FB	Ave	14322 503998	53358	146648	303509	417078	5.00 200	20.0	50.0	100	150
Trichloroethene	FB	Ave	15499 764738	69343	196402	417825	588615	5.00 200	20.0	50.0	100	150
1,4-Dioxane	FB	Ave	0 33308	8130	22755	38324	51126	50.0 2000	200	500	1000	1500
Dibromomethane	FB	Ave	12153 526347	52569	133184	276033	392404	5.00 200	20.0	50.0	100	150
1,2-Dichloropropane	FB	Ave	13310 583718	56501	147887	311677	442167	5.00 200	20.0	50.0	100	150
Ethyl acrylate	FB	Ave	27575 1014186	112663	279420	522044	752004	5.00 200	20.0	50.0	100	150
Bromodichloromethane	FB	Ave	23937 994152	93035	241501	517747	742831	5.00 200	20.0	50.0	100	150
Methyl methacrylate	FB	Ave	14280 561987	59683	157911	299793	427249	5.00 200	20.0	50.0	100	150
2-Chloroethyl vinyl ether	FB	Ave	12953 483231	48709	130187	248225	351216	5.00 200	20.0	50.0	100	150

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52935

SDG No.:

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

Calibration Start Date: 07/14/2011 19:01 Calibration End Date: 07/14/2011 21:02 Calibration ID: 11475

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
cis-1,3-Dichloropropene	FB	Ave	27353 1130100	108836	285963	598463	851963	5.00 200	20.0	50.0	100	150
Toluene	CBZ	Ave	53620 2323473	216794	587427	1250446	1756507	5.00 200	20.0	50.0	100	150
Chloroacetonitrile	FB	Lin	6344 195766	28005	62804	116540	167441	50.0 2000	200	500	1000	1500
2-Nitropropane	FB	Ave	13906 481243	56396	139536	259130	375627	10.0 400	40.0	100	200	300
1,1-Dichloro-2-propanone	CBZ	Ave	+++++ 1830732	222606	543128	990494	1441575	+++++ 1000	100	250	500	750
Tetrachloroethene	CBZ	Ave	12127 537000	46615	134073	296653	409792	5.00 200	20.0	50.0	100	150
methyl isobutyl ketone	CBZ	Ave	20381 623590	75894	189071	351730	488499	5.00 200	20.0	50.0	100	150
trans-1,3-Dichloropropene	FB	Ave	27344 1168679	115753	273274	616806	867337	5.00 200	20.0	50.0	100	150
1,1,2-Trichloroethane	FB	Ave	16756 620479	62833	161209	327480	470940	5.00 200	20.0	50.0	100	150
Ethyl methacrylate	CBZ	Ave	23371 850255	92347	235276	458635	650930	5.00 200	20.0	50.0	100	150
Dibromochloromethane	CBZ	Ave	22895 945856	91084	237336	501441	705872	5.00 200	20.0	50.0	100	150
1,3-Dichloropropane	CBZ	Ave	27980 1076447	109843	280225	577006	809694	5.00 200	20.0	50.0	100	150
1,2-Dibromoethane	CBZ	Ave	20004 808338	82096	213172	429909	616690	5.00 200	20.0	50.0	100	150
2-Hexanone	CBZ	Ave	15394 470582	56776	137507	253953	362937	5.00 200	20.0	50.0	100	150
Chlorobenzene	CBZ	Ave	40263 1676396	160136	440565	903394	1283389	5.00 200	20.0	50.0	100	150
1-Chlorohexane	CBZ	Ave	18823 573416	49900	141466	324238	470069	5.00 200	20.0	50.0	100	150
Ethylbenzene	CBZ	Ave	17757 742283	68957	195866	410183	572874	5.00 200	20.0	50.0	100	150
1,1,1,2-Tetrachloroethane	CBZ	Ave	17216 731139	70148	186196	386988	545929	5.00 200	20.0	50.0	100	150
m&p-Xylene	CBZ	Ave	44242 1805644	173489	481504	1005621	1372733	10.0 400	40.0	100	200	300
o-Xylene	CBZ	Ave	21629 948590	88000	243803	519503	702078	5.00 200	20.0	50.0	100	150
Styrene	CBZ	Ave	40005 1632524	160447	431945	896908	1230412	5.00 200	20.0	50.0	100	150

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52935

SDG No.:

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

Calibration Start Date: 07/14/2011 19:01 Calibration End Date: 07/14/2011 21:02 Calibration ID: 11475

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Bromoform	CBZ	Ave	16256 658676	66948	180646	364595	507372	5.00 200	20.0	50.0	100	150
Isopropylbenzene	DCB	Ave	42063 1799869	164144	466657	990844	1378744	5.00 200	20.0	50.0	100	150
Bromobenzene	DCB	Ave	20847 865831	82428	225881	466633	650324	5.00 200	20.0	50.0	100	150
N-Propylbenzene	DCB	Ave	50841 2052927	190802	547024	1148339	1559644	5.00 200	20.0	50.0	100	150
1,1,2,2-Tetrachloroethane	DCB	Ave	26155 841836	96908	243796	468698	655636	5.00 200	20.0	50.0	100	150
4-Ethyltoluene	DCB	Ave	44851 1817259	171103	488320	1021041	1379342	5.00 200	20.0	50.0	100	150
2-Chlorotoluene	DCB	Ave	39955 1626483	154521	437902	909171	1234193	5.00 200	20.0	50.0	100	150
1,2,3-Trichloropropane	DCB	Ave	8220 266038	30603	79528	151110	205973	5.00 200	20.0	50.0	100	150
1,3,5-Trimethylbenzene	DCB	Ave	37266 1488284	143633	402702	723407	1132440	5.00 200	20.0	50.0	100	150
trans-1,4-Dichloro-2-butene	DCB	Ave	12507 471250	51613	132335	251418	356833	10.0 400	40.0	100	200	300
4-Chlorotoluene	DCB	Ave	39518 1563236	151771	416885	862733	1190439	5.00 200	20.0	50.0	100	150
tert-Butylbenzene	DCB	Ave	30841 1171608	119938	329283	692100	943931	5.00 200	20.0	50.0	100	150
1,2,4-Trimethylbenzene	DCB	Ave	39328 1565608	148653	428009	880407	1208330	5.00 200	20.0	50.0	100	150
sec-Butylbenzene	DCB	Ave	45169 1593833	168467	465204	935542	1289996	5.00 200	20.0	50.0	100	150
4-Isopropyltoluene	DCB	Ave	41524 1413723	145841	408741	827520	1114264	5.00 200	20.0	50.0	100	150
1,3-Dichlorobenzene	DCB	Ave	31390 1196466	118429	320287	656288	891601	5.00 200	20.0	50.0	100	150
1,4-Dichlorobenzene	DCB	Ave	32769 1207151	125294	336792	686304	949119	5.00 200	20.0	50.0	100	150
p-Diethylbenzene	FB	Ave	20900 662862	72648	204430	410978	562608	5.00 200	20.0	50.0	100	150
Benzyl chloride	DCB	Ave	8876 363225	37492	102629	198730	286892	5.00 200	20.0	50.0	100	150
n-Butylbenzene	DCB	Ave	42522 1634411	186705	362486	935824	1255215	5.00 200	20.0	50.0	100	150
1,2-Dichlorobenzene	DCB	Ave	32187 1192104	122178	325014	656858	904705	5.00 200	20.0	50.0	100	150

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52935

SDG No.:

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

Calibration Start Date: 07/14/2011 19:01 Calibration End Date: 07/14/2011 21:02 Calibration ID: 11475

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2,4,5-Tetramethylbenzene	FB	Ave	43705 1302898	151662	392251	760740	1078511	5.00 200	20.0	50.0	100	150
1,2-Dibromo-3-Chloropropane	DCB	Ave	5888 173991	23085	57219	103326	144858	5.00 200	20.0	50.0	100	150
Nitrobenzene	DCB	Ave	39875 715036	129388	312111	553935	767658	50.0 2000	200	500	1000	1500
Hexachlorobutadiene	DCB	Ave	15958 173431	35225	67611	119012	153379	5.00 200	20.0	50.0	100	150
1,2,4-Trichlorobenzene	DCB	Ave	21181 580960	73338	181175	351911	487211	5.00 200	20.0	50.0	100	150
Naphthalene	DCB	Ave	84595 1980313	275323	673560	1248039	1731518	5.00 200	20.0	50.0	100	150
1,2,3-Trichlorobenzene	DCB	Ave	22529 547447	71175	178217	338658	470312	5.00 200	20.0	50.0	100	150
Dibromofluoromethane	FB	Ave	18429 793866	77285	202947	415481	589390	5.00 200	20.0	50.0	100	150
1,2-Dichloroethane-d4 (Surr)	FB	Ave	23389 918765	94603	236813	482501	686275	5.00 200	20.0	50.0	100	150
Toluene-d8 (Surr)	CBZ	Ave	50772 2150487	201795	567525	1144650	1625920	5.00 200	20.0	50.0	100	150
4-Bromofluorobenzene	DCB	Ave	19503 784179	77352	213086	418675	587859	5.00 200	20.0	50.0	100	150

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD

STL-INC

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msl.i\L110361.b\L0367.D
Lab Smp Id: IC;200 Client Smp ID: IC;200
Inj Date : 14-JUL-2011 19:01 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : IC;200
Misc Info : LLW
Comment :
Method : \\consvr05\files\Chem\VOA\msl.i\L110361.b\L8260BNW.m
Meth Date : 26-Jul-2011 14:30 msl.i Quant Type: ISTD
Cal Date : 14-JUL-2011 21:02 Cal File: L0372.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CONVOAMGR1

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	4.056	4.056	(1.000)	315445	25.0000	
2	Dichlorodifluoromethane	85	0.947	0.947	(0.234)	429466	200.000	220(A)
3	Chloromethane	50	1.046	1.046	(0.258)	495862	200.000	200(A)
4	Vinyl Chloride	62	1.075	1.075	(0.265)	521221	200.000	220(A)
5	Bromomethane	94	1.213	1.213	(0.299)	291237	200.000	200(A)
6	Chloroethane	64	1.262	1.262	(0.311)	249929	200.000	210(A)
7	Trichlorofluoromethane	101	1.331	1.331	(0.328)	718380	200.000	210(A)
8	Dichlorofluoromethane	67	1.351	1.351	(0.333)	961654	200.000	200(A)
9	Ethyl Ether	45	1.459	1.459	(0.360)	270023	200.000	200
10	Ethanol	45	1.508	1.508	(0.372)	238736	2000.00	2100(AH)
12	Freon 123	67	1.567	1.567	(0.386)	172425	200.000	190
13	Trichlorotrifluoroethane	101	1.577	1.577	(0.389)	535219	200.000	210(A)
14	1,1-Dichloroethene	96	1.567	1.567	(0.386)	465779	200.000	200(A)
15	Carbon Disulfide	76	1.597	1.597	(0.394)	1810636	200.000	210(A)
16	Iodomethane	142	1.646	1.646	(0.406)	1184321	200.000	210(A)
17	Acrolein	56	1.734	1.734	(0.428)	536671	1000.00	950
18	2-Propanol	45	1.666	1.666	(0.411)	43999	200.000	200(H)
19	3-Chloro-1-Propene	41	1.803	1.803	(0.445)	643266	200.000	190
20	Methylene Chloride	84	1.862	1.862	(0.459)	649720	200.000	180
21	Acetone	43	1.882	1.882	(0.464)	260131	200.000	200
22	trans-1,2-Dichloroethene	96	1.951	1.951	(0.481)	606168	200.000	200(A)
23	Methyl Acetate	43	1.941	1.941	(0.479)	2225776	200.000	180(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	24 Methyl tert-Butyl Ether	73	2.000	2.000	(0.493)	2131060	200.000	200
	25 tert-Butyl alcohol	59	2.049	2.049	(0.505)	358451	1000.00	650(M)
	26 Acetonitrile	41	2.167	2.167	(0.534)	457814	2000.00	1700
	27 Isopropyl ether	45	2.226	2.226	(0.549)	1702621	200.000	200(A)
	28 tert-Butyl ethyl ether	59	2.482	2.482	(0.612)	2107346	200.000	200(A)
	29 2-Chloro-1,3-Butadiene	88	2.315	2.315	(0.571)	555862	200.000	210(A)
	30 Acrylonitrile	53	2.374	2.374	(0.585)	460658	400.000	370
	31 1,1-Dichloroethane	63	2.335	2.335	(0.576)	1097275	200.000	200(A)
	32 Vinyl Acetate	43	2.492	2.492	(0.614)	1602236	200.000	200
	33 cis-1,2-Dichloroethene	96	2.738	2.738	(0.675)	725843	200.000	200(A)
	34 2,2-Dichloropropane	77	2.817	2.817	(0.694)	1074025	200.000	210(A)
	35 Bromochloromethane	128	2.905	2.905	(0.716)	442181	200.000	200
	37 Cyclohexane	84	2.905	2.905	(0.716)	582709	200.000	210(A)
	38 Chloroform	83	2.964	2.964	(0.731)	1251302	200.000	210(A)
	39 Ethyl Acetate	43	3.073	3.073	(0.757)	79387	400.000	370(M)
	40 Methyl Acrylate	55	3.082	3.082	(0.760)	616238	200.000	190
$	41 Dibromofluoromethane	111	3.132	3.132	(0.772)	793866	200.000	200(A)
	42 Tetrahydrofuran	42	3.112	3.112	(0.767)	376405	400.000	350
	43 Carbon Tetrachloride	117	3.092	3.092	(0.762)	827452	200.000	190
	44 1,1,1-Trichloroethane	97	3.151	3.151	(0.777)	955040	200.000	210(A)
	45 2-Butanone	43	3.260	3.260	(0.804)	322611	200.000	190
	46 1,1-Dichloropropene	75	3.279	3.279	(0.808)	875899	200.000	210(A)
	47 tert-Amyl methyl ether	73	3.683	3.683	(0.908)	2014792	200.000	200
	49 1-Chlorobutane	56	3.328	3.328	(0.821)	1106215	200.000	210(A)
	50 Heptane	43	3.683	3.683	(0.908)	602312	200.000	200
	51 Propionitrile	54	3.584	3.584	(0.884)	865007	2000.00	1700
	52 Benzene	78	3.545	3.545	(0.874)	2219087	200.000	200(A)
	53 2-Methyl-2-Propenenitrile	41	3.604	3.604	(0.888)	404361	200.000	180(M)
	54 Isobutyl alcohol	42	3.850	3.850	(0.949)	123540	2000.00	1400
$	55 1,2-Dichloroethane-d4	65	3.702	3.702	(0.913)	918765	200.000	200
	56 1,2-Dichloroethane	62	3.781	3.781	(0.932)	1063416	200.000	200(A)
	59 Methyl Cyclohexane	83	4.243	4.243	(1.046)	503998	200.000	180
	60 Trichloroethene	130	4.273	4.273	(1.053)	764738	200.000	210(A)
	63 Dibromomethane	93	4.775	4.775	(1.177)	526347	200.000	200(A)
	64 1,2-Dichloropropane	63	4.893	4.893	(1.206)	583718	200.000	200(A)
	65 Bromodichloromethane	83	4.991	4.991	(1.230)	994152	200.000	210(A)
	176 Ethyl acrylate	55	4.972	4.972	(1.226)	1014186	200.000	190(A)
	66 Methyl Methacrylate	69	5.208	5.208	(1.284)	561987	200.000	200
	67 1,4-Dioxane	58	5.227	5.227	(1.289)	33308	2000.00	960
	69 2-Chloroethylvinylether	63	5.650	5.650	(1.393)	483231	200.000	200
	70 cis-1,3-Dichloropropene	75	5.690	5.690	(1.403)	1130100	200.000	200(A)
	71 Chloroacetonitrile	48	6.113	6.113	(1.507)	195766	2000.00	1800(H)
	72 2-Nitropropane	41	6.172	6.172	(1.521)	481243	400.000	370
	73 trans-1,3-Dichloropropene	75	6.369	6.369	(1.570)	1168679	200.000	210(AH)
	74 1,1,2-Trichloroethane	97	6.516	6.516	(1.606)	620479	200.000	200
*	75 Chlorobenzene-d5	117	7.362	7.362	(1.000)	309407	25.0000	
	76 Toluene	91	5.926	5.926	(0.805)	2323473	200.000	210(A)
$	77 Toluene-d8	98	5.877	5.877	(0.798)	2150487	200.000	200(A)
	78 1,1-Dichloro-2-propanone	43	6.182	6.182	(0.840)	1830732	1000.00	930
	79 4-Methyl-2-Pentanone	43	6.339	6.339	(0.861)	623590	200.000	180
	80 Tetrachloroethene	164	6.310	6.310	(0.857)	537000	200.000	210(A)
	81 Ethyl Methacrylate	69	6.565	6.565	(0.892)	850255	200.000	190
	82 Dibromochloromethane	129	6.674	6.674	(0.906)	945856	200.000	210(A)
	83 1,3-Dichloropropane	76	6.762	6.762	(0.918)	1076447	200.000	200(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	84 1,2-Dibromoethane	107	6.870	6.870	(0.933)	808338	200.000	200(A)
	86 2-Hexanone	43	7.146	7.146	(0.971)	470582	200.000	180
	87 1-Chlorohexane	91	7.402	7.402	(1.005)	573416	200.000	200(AM)
	88 Chlorobenzene	112	7.382	7.382	(1.003)	1676396	200.000	200(A)
	89 1,1,1,2-Tetrachloroethane	131	7.451	7.451	(1.012)	731139	200.000	210(A)
	90 Ethylbenzene	106	7.421	7.421	(1.008)	742283	200.000	200(A)
	91 Xylene (total)mp	106	7.559	7.559	(1.027)	1805644	400.000	400(A)
	92 Xylene (total)o	106	7.943	7.943	(1.079)	948590	200.000	210(A)
	93 Styrene	104	7.992	7.992	(1.086)	1632524	200.000	200(A)
	94 Bromoform	173	8.002	8.002	(1.087)	658676	200.000	200
*	95 1,4-Dichlorobenzene-d4	152	9.438	9.438	(1.000)	161848	25.0000	
	96 Isopropylbenzene	105	8.228	8.228	(0.872)	1799869	200.000	210(A)
	97 Bromobenzene	156	8.543	8.543	(0.905)	865831	200.000	200(A)
	98 1,1,2,2-Tetrachloroethane	83	8.671	8.671	(0.919)	841836	200.000	180
	99 4-Ethyltoluene	105	8.700	8.700	(0.922)	1817259	200.000	200(AH)
	100 1,2,3-Trichloropropane	110	8.769	8.769	(0.929)	266038	200.000	180
	101 trans-1,4-Dichloro-2-Butene	53	8.819	8.819	(0.934)	471250	400.000	390
	102 n-Propylbenzene	91	8.592	8.592	(0.910)	2052927	200.000	220(AH)
	103 2-Chlorotoluene	91	8.710	8.710	(0.923)	1626483	200.000	280(AH)
	104 4-Chlorotoluene	91	8.868	8.868	(0.940)	1563236	200.000	200(A)
	105 1,3,5-Trimethylbenzene	105	8.779	8.779	(0.930)	1488284	200.000	210(AH)
	106 tert-Butylbenzene	119	9.045	9.045	(0.958)	1171608	200.000	190(H)
	107 1,2,4-Trimethylbenzene	105	9.114	9.114	(0.966)	1565608	200.000	200(AH)
	108 sec-Butylbenzene	105	9.202	9.202	(0.975)	1593833	200.000	190
	109 4-Isopropyltoluene	119	9.340	9.340	(0.990)	1413723	200.000	190
	110 1,3-Dichlorobenzene	146	9.370	9.370	(0.993)	1196466	200.000	200(AH)
	111 1,4-Dichlorobenzene	146	9.448	9.448	(1.001)	1207151	200.000	190(H)
	112 1,2-Dichlorobenzene	146	9.812	9.812	(1.040)	1192104	200.000	200
	113 Benzyl Chloride	126	9.675	9.675	(1.025)	363225	200.000	200
	114 1,4-Diethylbenzene	119	9.655	9.655	(2.380)	662862	200.000	180
	115 n-Butylbenzene	91	9.704	9.704	(1.028)	1634411	200.000	200(M)
	118 1,2,4,5-Tetramethylbenzene	119	10.353	10.353	(2.552)	1302898	200.000	180
	119 1,2-Dibromo-3-chloropropane	75	10.511	10.511	(1.114)	173991	200.000	170
	120 Nitrobenzene	77	10.993	10.993	(1.165)	715036	2000.00	1300
	121 1,2,4-Trichlorobenzene	180	11.101	11.101	(1.176)	580960	200.000	170
	122 Hexachlorobutadiene	225	11.091	11.091	(1.175)	173431	200.000	120
	123 Naphthalene	128	11.377	11.377	(1.205)	1980313	200.000	160
	124 1,2,3-Trichlorobenzene	180	11.544	11.544	(1.223)	547447	200.000	160(M)
$	125 Bromofluorobenzene	95	8.464	8.464	(0.897)	784179	200.000	200(A)
M	126 1,2-Dichloroethene (total)	100				1332011	400.000	410
M	127 Xylene (total)	100				2754234	600.000	610

QC Flag Legend

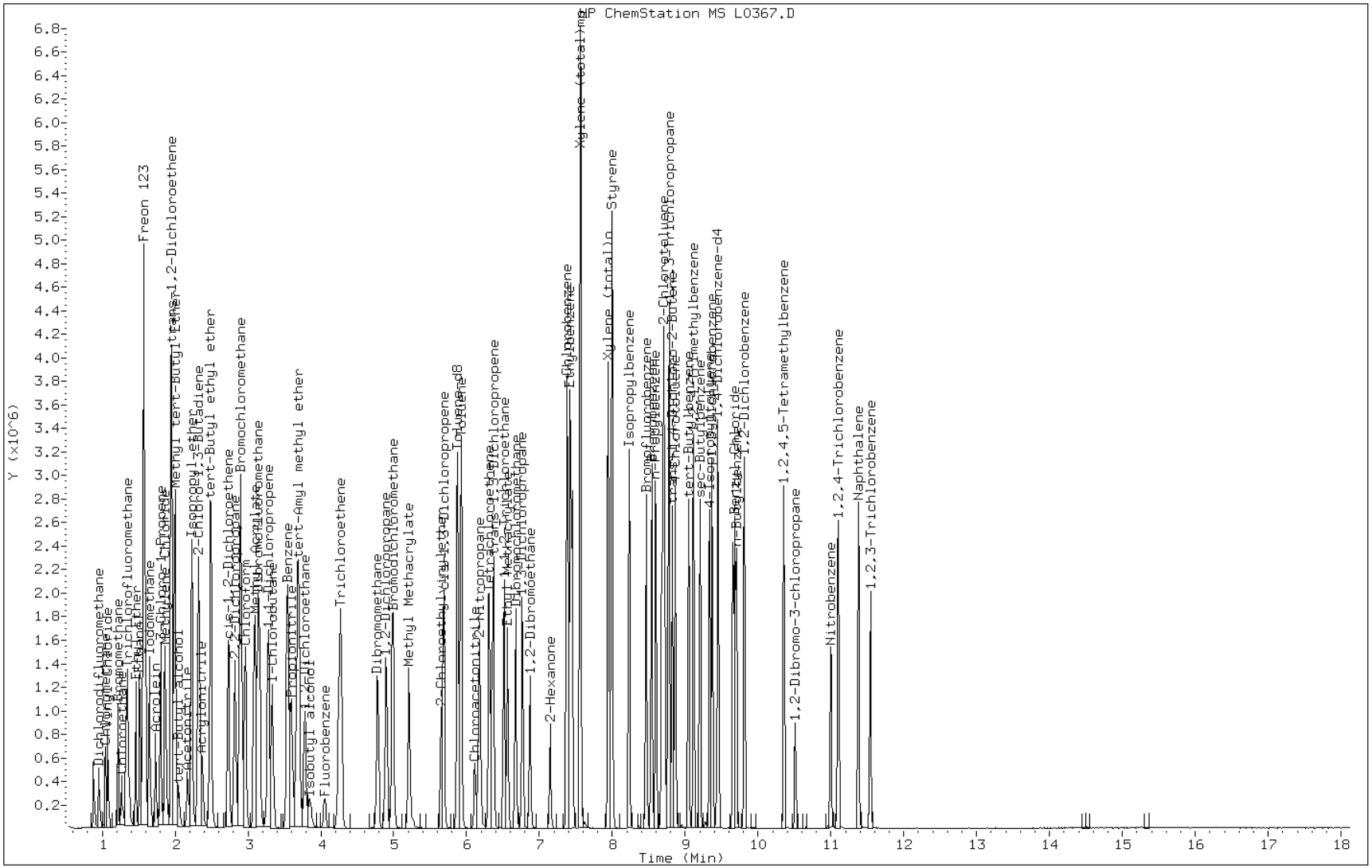
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: L0367.D

Date: 14-JUL-2011 19:01

Client ID: IC;200 Instrument: msl.i

Sample Info: IC;200 Operator: E. LYNCH



Manual Integration Report

Data File: L0367.D
Inj. Date and Time: 14-JUL-2011 19:01
Instrument ID: msl.i
Client ID: IC;200
Compound: 87 1-Chlorohexane
CAS #: 544-10-5
Report Date: 07/26/2011

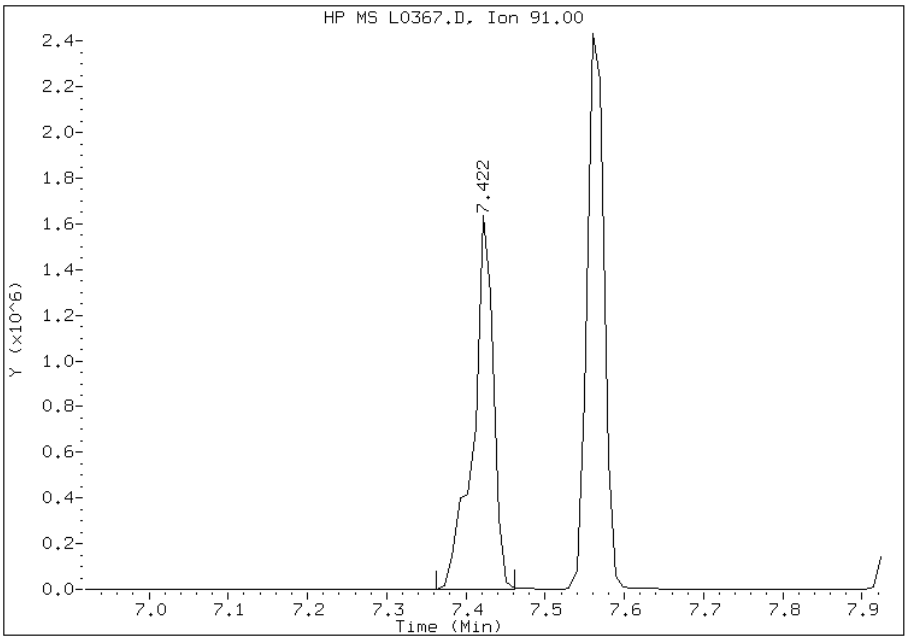
Processing Integration Results

RT: 7.42

Response: 2923223

Amount: 240

Conc: 240



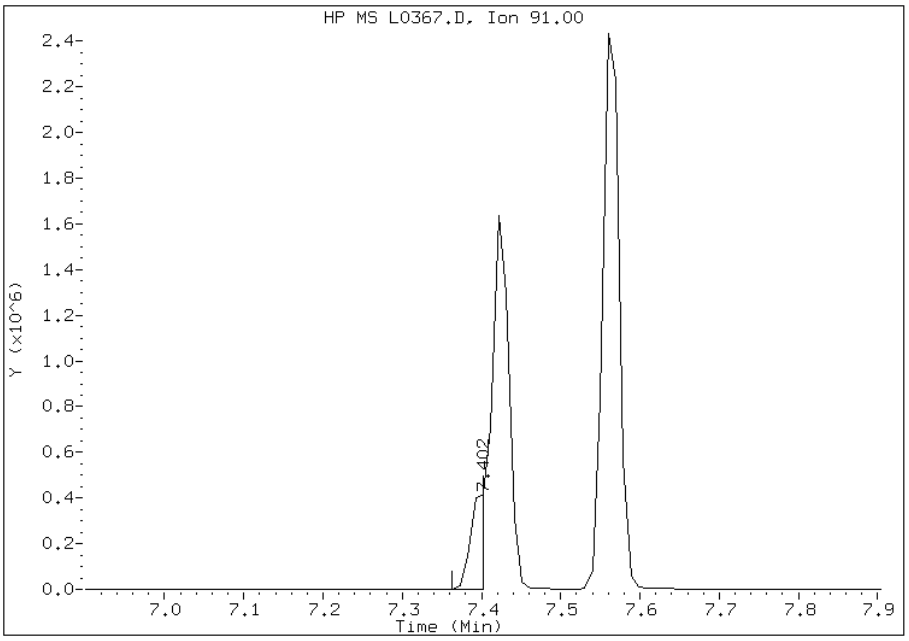
Manual Integration Results

RT: 7.40

Response: 573416

Amount: 201

Conc: 201



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

Manual Integration Report

Data File: L0367.D
Inj. Date and Time: 14-JUL-2011 19:01
Instrument ID: msl.i
Client ID: IC;200
Compound: 124 1,2,3-Trichlorobenzene
CAS #: 87-61-6
Report Date: 07/26/2011

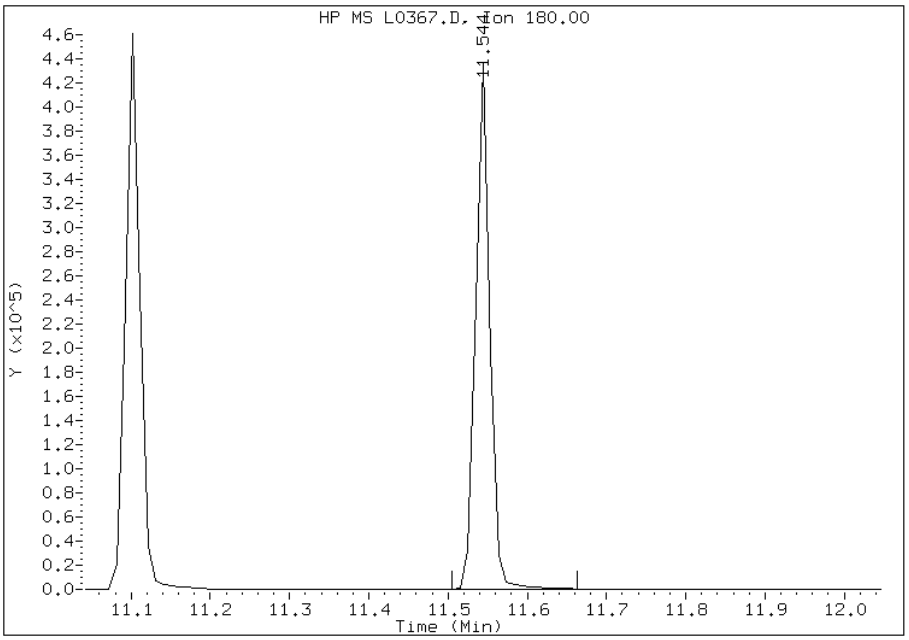
Processing Integration Results

RT: 11.54

Response: 563313

Amount: 166

Conc: 166



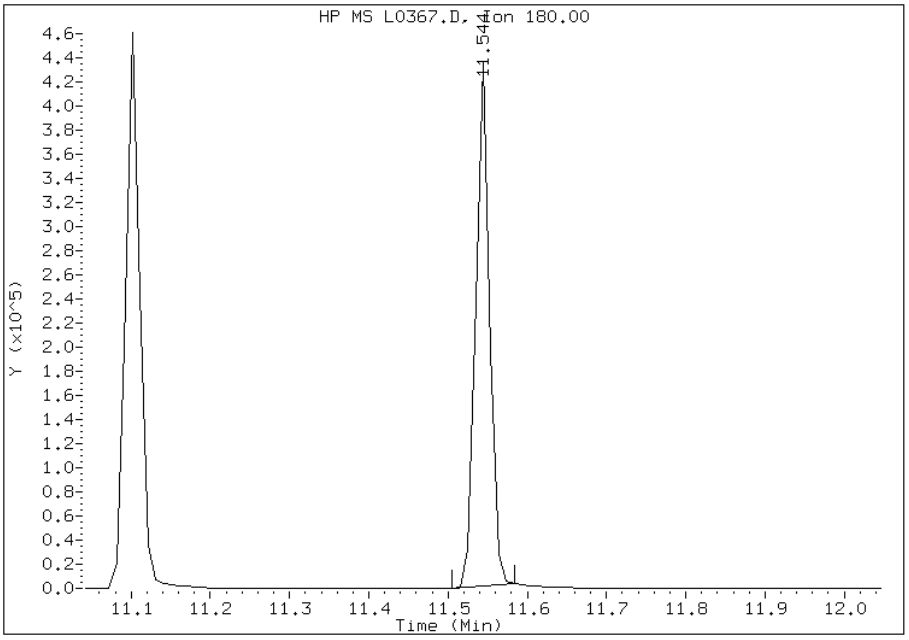
Manual Integration Results

RT: 11.54

Response: 547447

Amount: 164

Conc: 164



Manually Integrated By: eon
Manual Integration Reason:

Manual Integration Report

Data File: L0367.D
Inj. Date and Time: 14-JUL-2011 19:01
Instrument ID: msl.i
Client ID: IC;200
Compound: 53 2-Methyl-2-Propenenitrile
CAS #: 126-98-7
Report Date: 07/26/2011

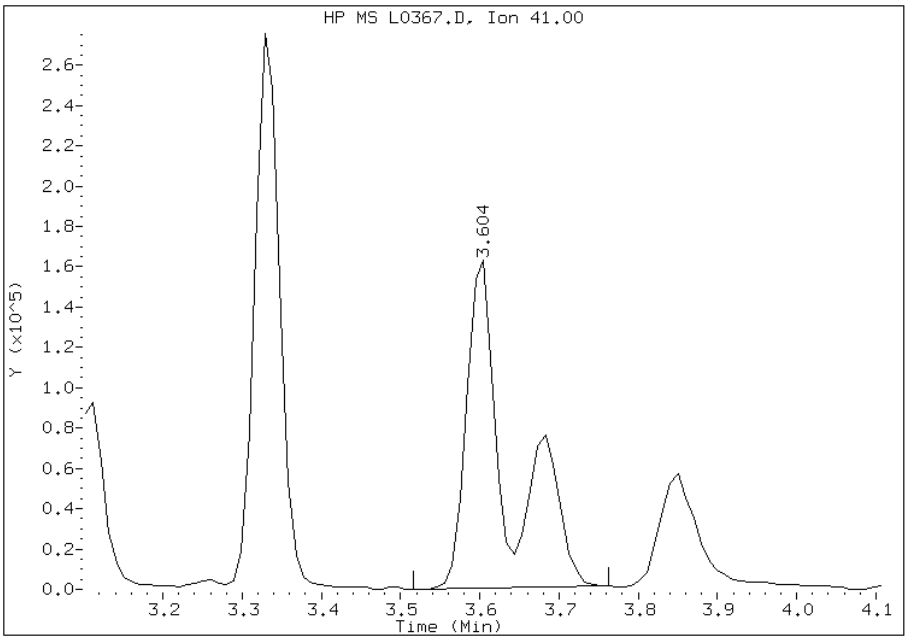
Processing Integration Results

RT: 3.60

Response: 608273

Amount: 281

Conc: 281



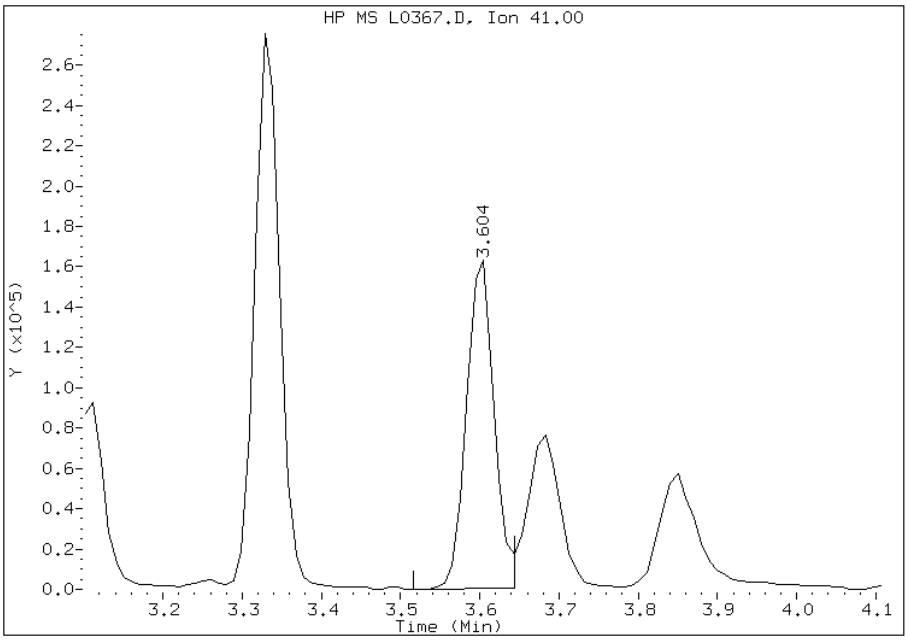
Manual Integration Results

RT: 3.60

Response: 404361

Amount: 182

Conc: 182



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

Manual Integration Report

Data File: L0367.D
Inj. Date and Time: 14-JUL-2011 19:01
Instrument ID: msl.i
Client ID: IC;200
Compound: 23 Methyl Acetate
CAS #: 79-20-9
Report Date: 07/26/2011

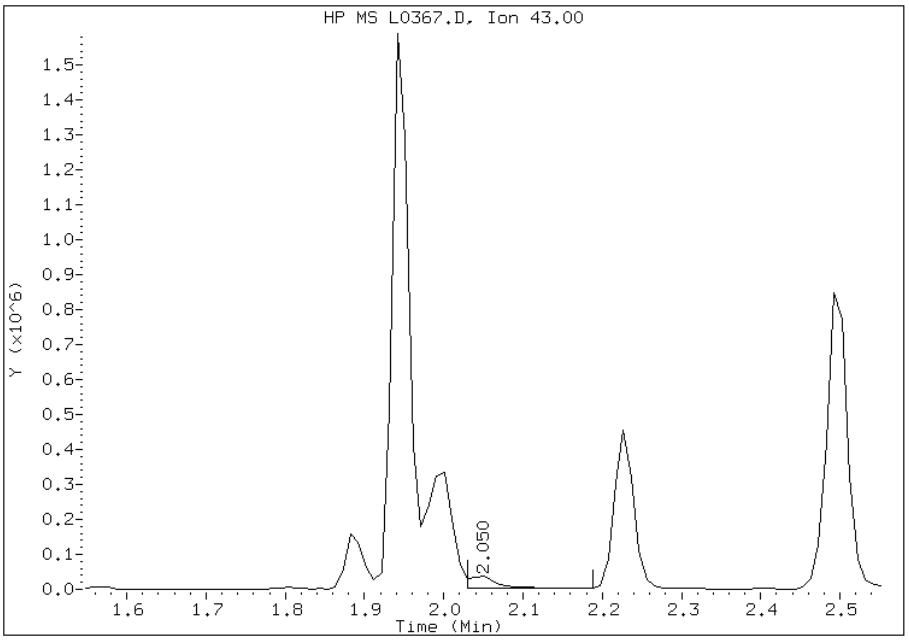
Processing Integration Results

RT: 2.05

Response: 95402

Amount: 129

Conc: 129



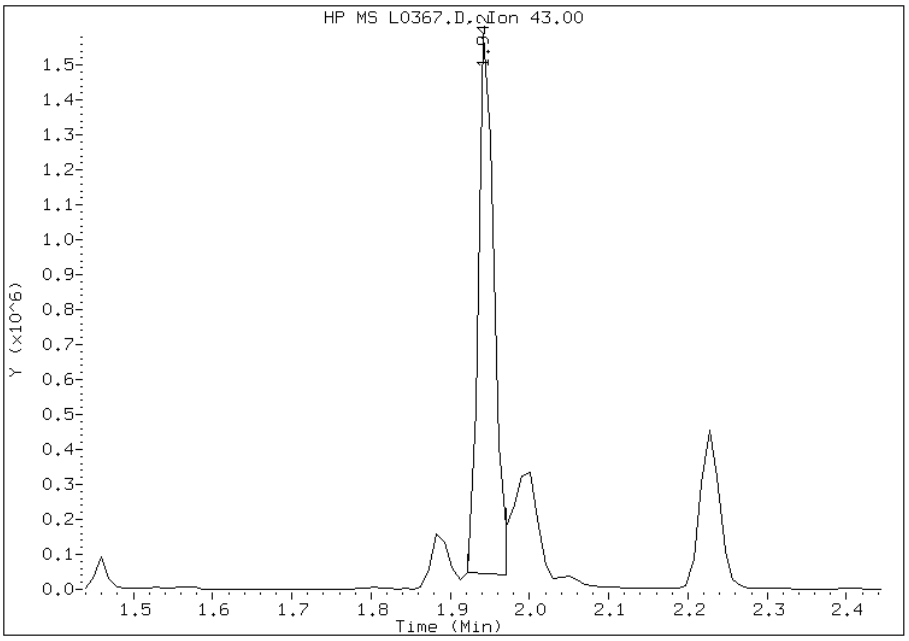
Manual Integration Results

RT: 1.94

Response: 2225776

Amount: 178

Conc: 178



Manually Integrated By: larryd
Manual Integration Reason:

Manual Integration Report

Data File: L0367.D
Inj. Date and Time: 14-JUL-2011 19:01
Instrument ID: msl.i
Client ID: IC;200
Compound: 115 n-Butylbenzene
CAS #: 104-51-8
Report Date: 07/26/2011

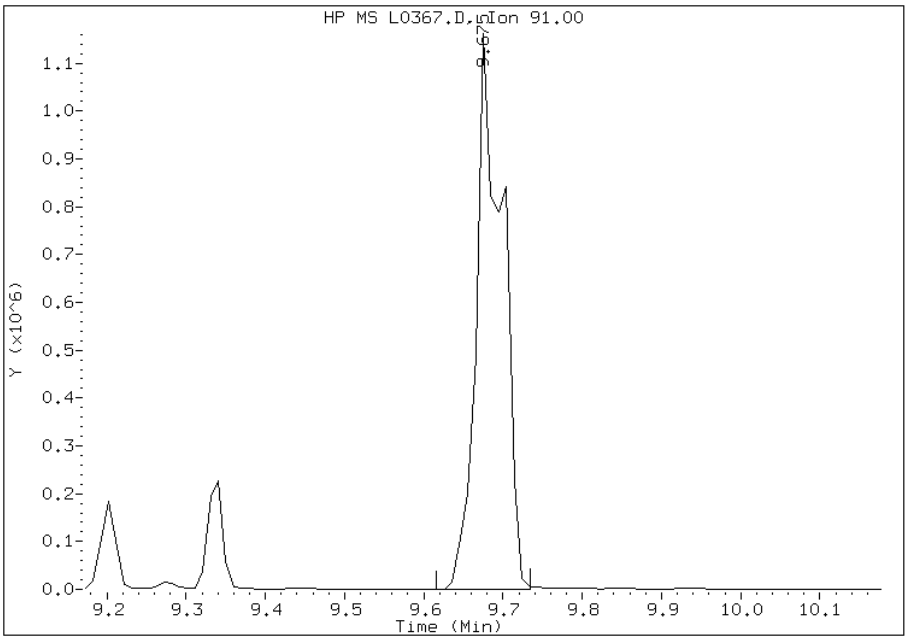
Processing Integration Results

RT: 9.68

Response: 2766965

Amount: 203

Conc: 203



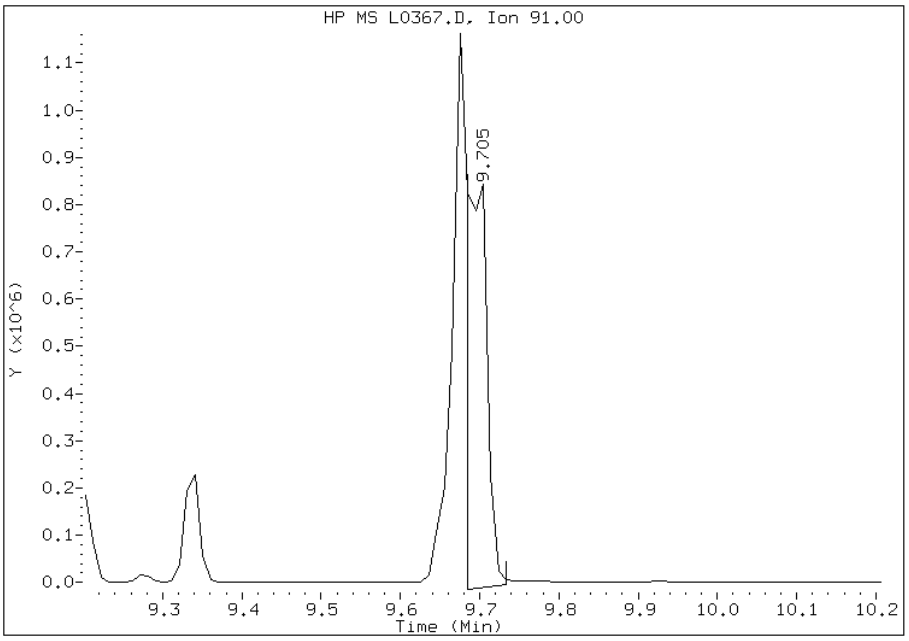
Manual Integration Results

RT: 9.70

Response: 1634411

Amount: 199

Conc: 199



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

Manual Integration Report

Data File: L0367.D
Inj. Date and Time: 14-JUL-2011 19:01
Instrument ID: msl.i
Client ID: IC;200
Compound: 25 tert-Butyl alcohol
CAS #: 75-65-0
Report Date: 07/26/2011

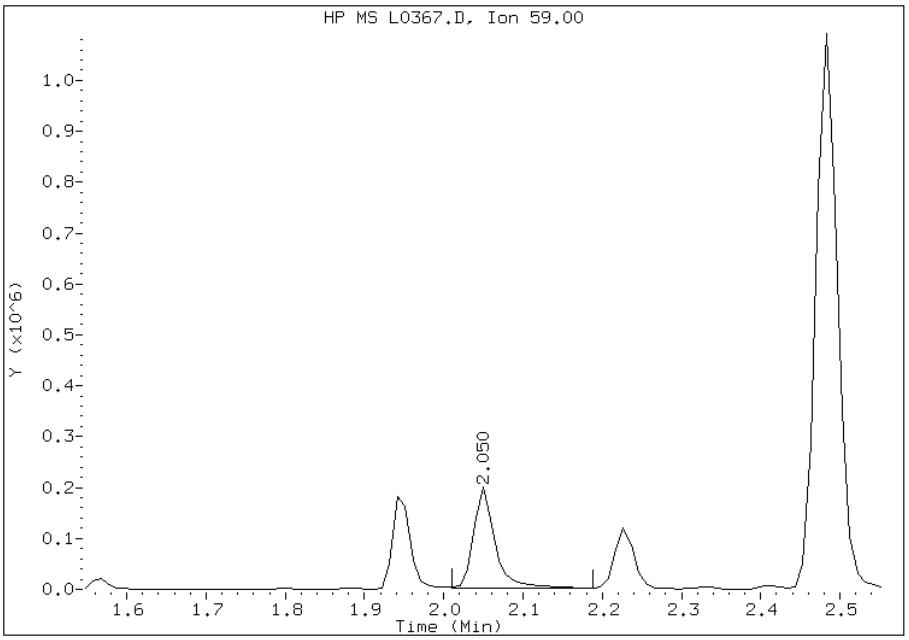
Processing Integration Results

RT: 2.05

Response: 382786

Amount: 662

Conc: 662



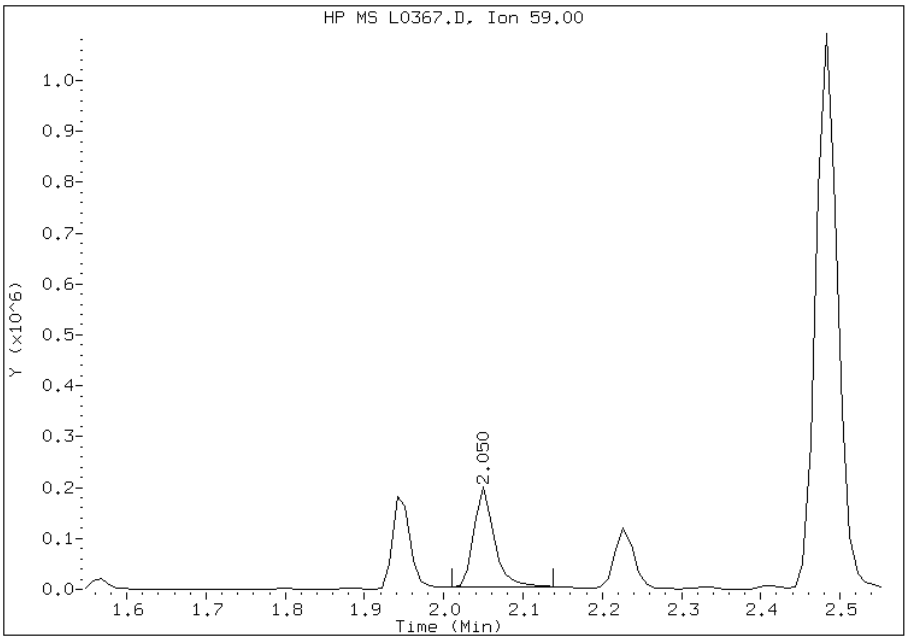
Manual Integration Results

RT: 2.05

Response: 358451

Amount: 649

Conc: 649



Manually Integrated By: eon
Manual Integration Reason:

Manual Integration Report

Data File: L0367.D
Inj. Date and Time: 14-JUL-2011 19:01
Instrument ID: msl.i
Client ID: IC;200
Compound: 39 Ethyl Acetate
CAS #: 141-78-6
Report Date: 07/26/2011

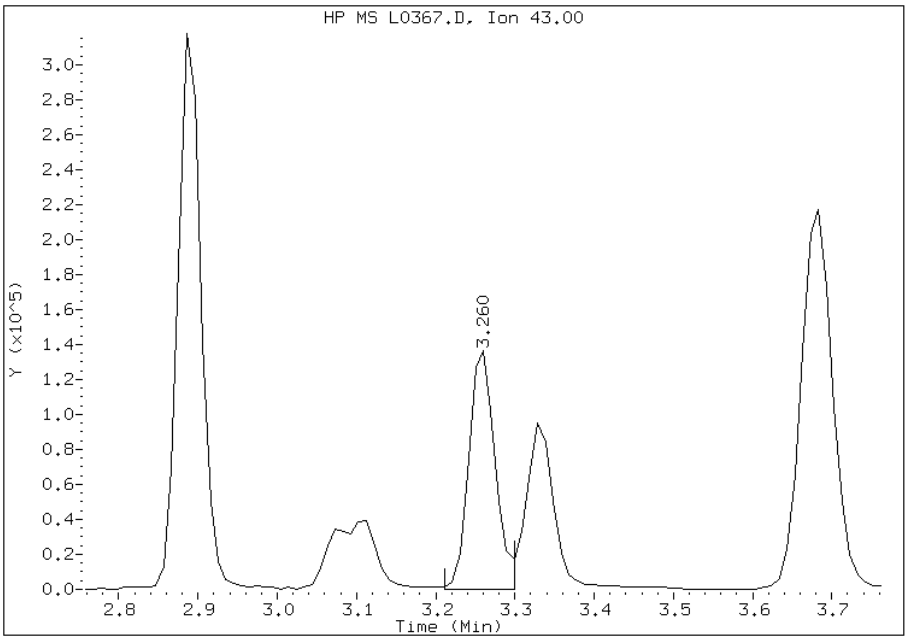
Processing Integration Results

RT: 3.26

Response: 322611

Amount: 454

Conc: 454



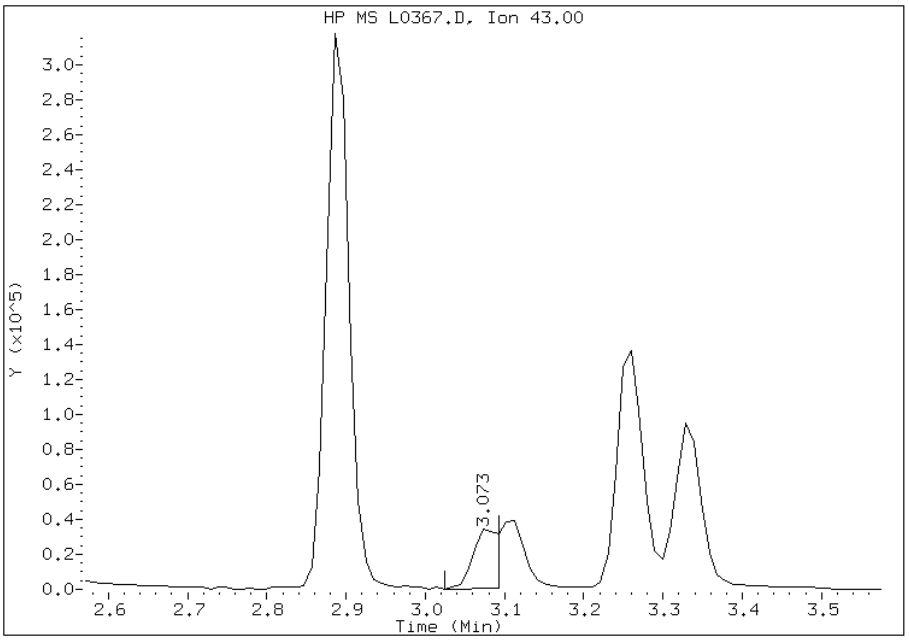
Manual Integration Results

RT: 3.07

Response: 79387

Amount: 372

Conc: 372



Manually Integrated By: eon
Manual Integration Reason:

STL-INC

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msl.i\L110361.b\L0368.D
Lab Smp Id: IC;150 Client Smp ID: IC;150
Inj Date : 14-JUL-2011 19:25 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : IC;150
Misc Info : LLW
Comment :
Method : \\consvr05\files\Chem\VOA\msl.i\L110361.b\L8260BNW.m
Meth Date : 26-Jul-2011 14:30 msl.i Quant Type: ISTD
Cal Date : 14-JUL-2011 19:01 Cal File: L0367.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CONVOAMGR1

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	4.058	4.058	(1.000)	292749	25.0000	
2	Dichlorodifluoromethane	85	0.949	0.949	(0.234)	318269	150.000	170
3	Chloromethane	50	1.038	1.038	(0.256)	392355	150.000	170
4	Vinyl Chloride	62	1.077	1.077	(0.266)	374294	150.000	170
5	Bromomethane	94	1.215	1.215	(0.299)	196200	150.000	150
6	Chloroethane	64	1.254	1.254	(0.309)	154477	150.000	140
7	Trichlorofluoromethane	101	1.323	1.323	(0.326)	493697	150.000	150
8	Dichlorofluoromethane	67	1.343	1.343	(0.331)	699525	150.000	160
9	Ethyl Ether	45	1.461	1.461	(0.360)	198023	150.000	150
10	Ethanol	45	1.510	1.510	(0.372)	206337	1500.00	1900(H)
12	Freon 123	67	1.569	1.569	(0.387)	129850	150.000	160
13	Trichlorotrifluoroethane	101	1.569	1.569	(0.387)	414101	150.000	170
14	1,1-Dichloroethene	96	1.559	1.559	(0.384)	357264	150.000	170
15	Carbon Disulfide	76	1.589	1.589	(0.392)	1359483	150.000	170
16	Iodomethane	142	1.648	1.648	(0.406)	800952	150.000	160
17	Acrolein	56	1.736	1.736	(0.428)	413142	750.000	790
18	2-Propanol	45	1.668	1.668	(0.411)	37019	150.000	180(H)
19	3-Chloro-1-Propene	41	1.796	1.796	(0.442)	504999	150.000	160
20	Methylene Chloride	84	1.864	1.864	(0.459)	483687	150.000	150
21	Acetone	43	1.884	1.884	(0.464)	191376	150.000	160
22	trans-1,2-Dichloroethene	96	1.953	1.953	(0.481)	456341	150.000	160
23	Methyl Acetate	43	1.943	1.943	(0.479)	1742366	150.000	150(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	24 Methyl tert-Butyl Ether	73	2.002	2.002	(0.493)	1582732	150.000	160
	25 tert-Butyl alcohol	59	2.051	2.051	(0.506)	329441	750.000	640(M)
	26 Acetonitrile	41	2.169	2.169	(0.535)	378255	1500.00	1500
	27 Isopropyl ether	45	2.228	2.228	(0.549)	1250614	150.000	160
	28 tert-Butyl ethyl ether	59	2.484	2.484	(0.612)	1568233	150.000	160
	29 2-Chloro-1,3-Butadiene	88	2.317	2.317	(0.571)	421610	150.000	170
	30 Acrylonitrile	53	2.366	2.366	(0.583)	345082	300.000	300
	31 1,1-Dichloroethane	63	2.337	2.337	(0.576)	822545	150.000	160
	32 Vinyl Acetate	43	2.494	2.494	(0.615)	1179270	150.000	160
	33 cis-1,2-Dichloroethene	96	2.730	2.730	(0.673)	549342	150.000	170
	34 2,2-Dichloropropane	77	2.819	2.819	(0.695)	817126	150.000	170
	35 Bromochloromethane	128	2.907	2.907	(0.716)	329419	150.000	160
	37 Cyclohexane	84	2.907	2.907	(0.716)	435258	150.000	170
	38 Chloroform	83	2.966	2.966	(0.731)	933112	150.000	160
	39 Ethyl Acetate	43	3.075	3.075	(0.758)	61625	300.000	310(M)
	40 Methyl Acrylate	55	3.084	3.084	(0.760)	472337	150.000	150
$	41 Dibromofluoromethane	111	3.134	3.134	(0.772)	589390	150.000	160
	42 Tetrahydrofuran	42	3.114	3.114	(0.767)	296251	300.000	300
	43 Carbon Tetrachloride	117	3.094	3.094	(0.762)	633343	150.000	160
	44 1,1,1-Trichloroethane	97	3.153	3.153	(0.777)	719628	150.000	170
	45 2-Butanone	43	3.262	3.262	(0.804)	243106	150.000	150
	46 1,1-Dichloropropene	75	3.281	3.281	(0.809)	662948	150.000	170
	47 tert-Amyl methyl ether	73	3.685	3.685	(0.908)	1495189	150.000	160
	49 1-Chlorobutane	56	3.330	3.330	(0.821)	833064	150.000	170
	50 Heptane	43	3.685	3.685	(0.908)	455267	150.000	160
	51 Propionitrile	54	3.586	3.586	(0.884)	728039	1500.00	1500
	52 Benzene	78	3.547	3.547	(0.874)	1663018	150.000	160
	53 2-Methyl-2-Propenenitrile	41	3.596	3.596	(0.886)	317472	150.000	150
	54 Isobutyl alcohol	42	3.852	3.852	(0.949)	114834	1500.00	1400(M)
$	55 1,2-Dichloroethane-d4	65	3.704	3.704	(0.913)	686275	150.000	160
	56 1,2-Dichloroethane	62	3.783	3.783	(0.932)	801032	150.000	160
	59 Methyl Cyclohexane	83	4.245	4.245	(1.046)	417078	150.000	160
	60 Trichloroethene	130	4.275	4.275	(1.053)	588615	150.000	170
	63 Dibromomethane	93	4.777	4.777	(1.177)	392404	150.000	160
	64 1,2-Dichloropropane	63	4.895	4.895	(1.206)	442167	150.000	170
	65 Bromodichloromethane	83	4.993	4.993	(1.230)	742831	150.000	170
	176 Ethyl acrylate	55	4.974	4.974	(1.225)	752004	150.000	160(A)
	66 Methyl Methacrylate	69	5.210	5.210	(1.284)	427249	150.000	160
	67 1,4-Dioxane	58	5.229	5.229	(1.288)	51126	1500.00	1600
	69 2-Chloroethylvinylether	63	5.652	5.652	(1.393)	351216	150.000	160
	70 cis-1,3-Dichloropropene	75	5.692	5.692	(1.402)	851963	150.000	160
	71 Chloroacetonitrile	48	6.115	6.115	(1.507)	167441	1500.00	1700(H)
	72 2-Nitropropane	41	6.164	6.164	(1.519)	375627	300.000	310
	73 trans-1,3-Dichloropropene	75	6.371	6.371	(1.570)	867337	150.000	160(H)
	74 1,1,2-Trichloroethane	97	6.518	6.518	(1.606)	470940	150.000	160
*	75 Chlorobenzene-d5	117	7.364	7.364	(1.000)	293679	25.0000	
	76 Toluene	91	5.928	5.928	(0.805)	1756507	150.000	160
$	77 Toluene-d8	98	5.879	5.879	(0.798)	1625920	150.000	160
	78 1,1-Dichloro-2-propanone	43	6.174	6.174	(0.838)	1441575	750.000	770
	79 4-Methyl-2-Pentanone	43	6.341	6.341	(0.861)	488499	150.000	150
	80 Tetrachloroethene	164	6.302	6.302	(0.856)	409792	150.000	170
	81 Ethyl Methacrylate	69	6.567	6.567	(0.892)	650930	150.000	160
	82 Dibromochloromethane	129	6.676	6.676	(0.906)	705872	150.000	160
	83 1,3-Dichloropropane	76	6.764	6.764	(0.919)	809694	150.000	160

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
84	1,2-Dibromoethane	107	6.872	6.872	(0.933)	616690	150.000	160
86	2-Hexanone	43	7.148	7.148	(0.971)	362937	150.000	150
87	1-Chlorohexane	91	7.394	7.394	(1.004)	470069	150.000	170(M)
88	Chlorobenzene	112	7.374	7.374	(1.001)	1283389	150.000	160
89	1,1,1,2-Tetrachloroethane	131	7.453	7.453	(1.012)	545929	150.000	160
90	Ethylbenzene	106	7.423	7.423	(1.008)	572874	150.000	160
91	Xylene (total)mp	106	7.561	7.561	(1.027)	1372733	300.000	320
92	Xylene (total)o	106	7.945	7.945	(1.079)	702078	150.000	160
93	Styrene	104	7.994	7.994	(1.086)	1230412	150.000	160
94	Bromoform	173	8.004	8.004	(1.087)	507372	150.000	160
* 95	1,4-Dichlorobenzene-d4	152	9.440	9.440	(1.000)	152395	25.0000	
96	Isopropylbenzene	105	8.230	8.230	(0.872)	1378744	150.000	170
97	Bromobenzene	156	8.545	8.545	(0.905)	650324	150.000	160
98	1,1,2,2-Tetrachloroethane	83	8.673	8.673	(0.919)	655636	150.000	150
99	4-Ethyltoluene	105	8.702	8.702	(0.922)	1379342	150.000	160(H)
100	1,2,3-Trichloropropane	110	8.771	8.771	(0.929)	205973	150.000	150
101	trans-1,4-Dichloro-2-Butene	53	8.821	8.821	(0.934)	356833	300.000	320
102	n-Propylbenzene	91	8.594	8.594	(0.910)	1559644	150.000	170(H)
103	2-Chlorotoluene	91	8.712	8.712	(0.923)	1234193	150.000	230(AH)
104	4-Chlorotoluene	91	8.860	8.860	(0.939)	1190439	150.000	160
105	1,3,5-Trimethylbenzene	105	8.781	8.781	(0.930)	1132440	150.000	170(M)
106	tert-Butylbenzene	119	9.047	9.047	(0.958)	943931	150.000	160(H)
107	1,2,4-Trimethylbenzene	105	9.116	9.116	(0.966)	1208330	150.000	160
108	sec-Butylbenzene	105	9.204	9.204	(0.975)	1289996	150.000	160
109	4-Isopropyltoluene	119	9.342	9.342	(0.990)	1114264	150.000	160
110	1,3-Dichlorobenzene	146	9.372	9.372	(0.993)	891601	150.000	160(H)
111	1,4-Dichlorobenzene	146	9.450	9.450	(1.001)	949119	150.000	160(H)
112	1,2-Dichlorobenzene	146	9.814	9.814	(1.040)	904705	150.000	160
113	Benzyl Chloride	126	9.677	9.677	(1.025)	286892	150.000	170
114	1,4-Diethylbenzene	119	9.657	9.657	(2.379)	562608	150.000	160
115	n-Butylbenzene	91	9.696	9.696	(1.027)	1255215	150.000	160(M)
118	1,2,4,5-Tetramethylbenzene	119	10.355	10.355	(2.551)	1078511	150.000	160
119	1,2-Dibromo-3-chloropropane	75	10.513	10.513	(1.114)	144858	150.000	150
120	Nitrobenzene	77	10.995	10.995	(1.165)	767658	1500.00	1500
121	1,2,4-Trichlorobenzene	180	11.103	11.103	(1.176)	487211	150.000	150
122	Hexachlorobutadiene	225	11.093	11.093	(1.175)	153379	150.000	110
123	Naphthalene	128	11.379	11.379	(1.205)	1731518	150.000	150
124	1,2,3-Trichlorobenzene	180	11.546	11.546	(1.223)	470312	150.000	150(M)
$ 125	Bromofluorobenzene	95	8.466	8.466	(0.897)	587859	150.000	160
M 126	1,2-Dichloroethene (total)	100				1005683	300.000	330
M 127	Xylene (total)	100				2074811	450.000	480

QC Flag Legend

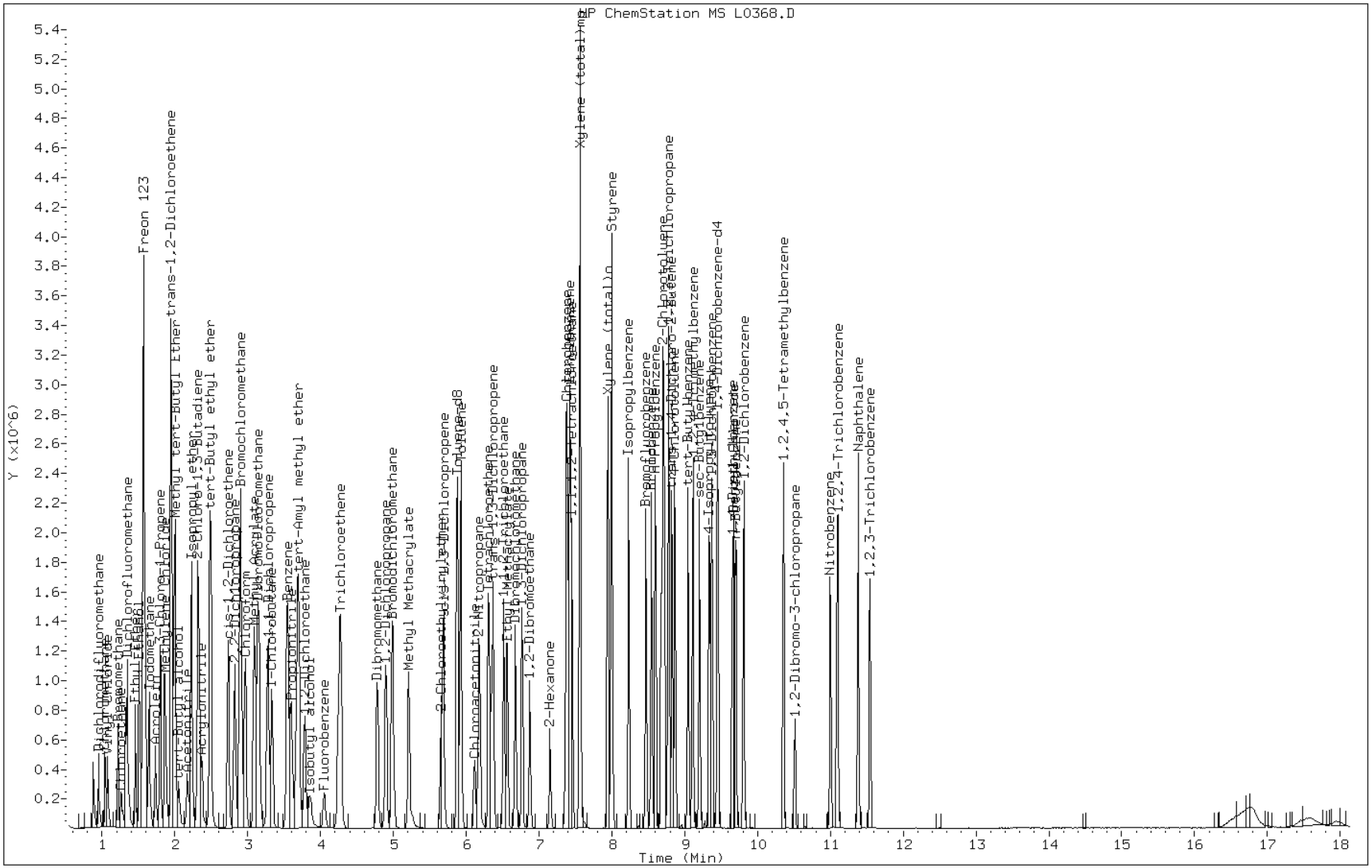
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: L0368.D

Date: 14-JUL-2011 19:25

Client ID: IC;150 Instrument: msl.i

Sample Info: IC;150 Operator: E. LYNCH



Manual Integration Report

Data File: L0368.D
Inj. Date and Time: 14-JUL-2011 19:25
Instrument ID: msl.i
Client ID: IC;150
Compound: 54 Isobutyl alcohol
CAS #: 78-83-1
Report Date: 07/26/2011

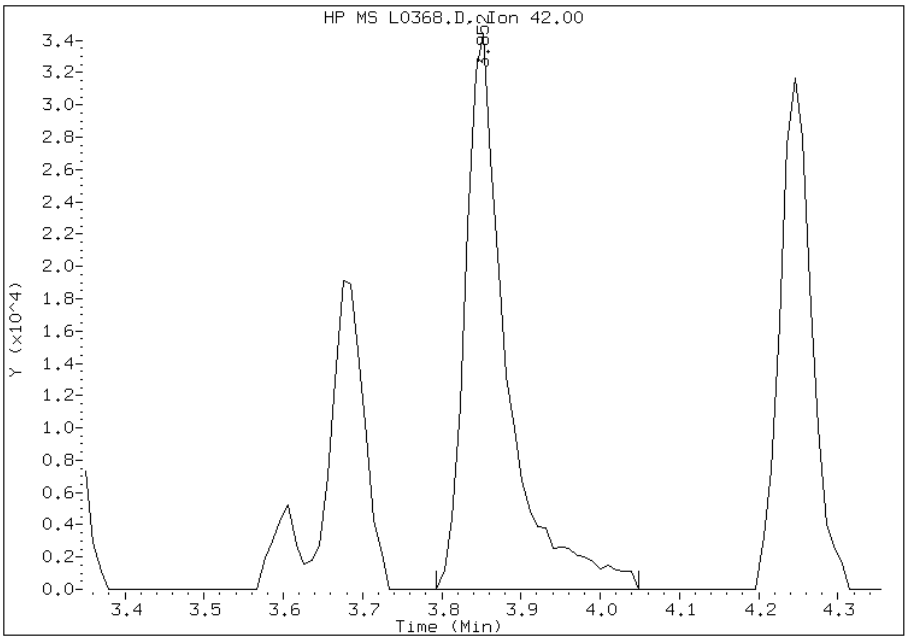
Processing Integration Results

RT: 3.85

Response: 126552

Amount: 1476

Conc: 1476



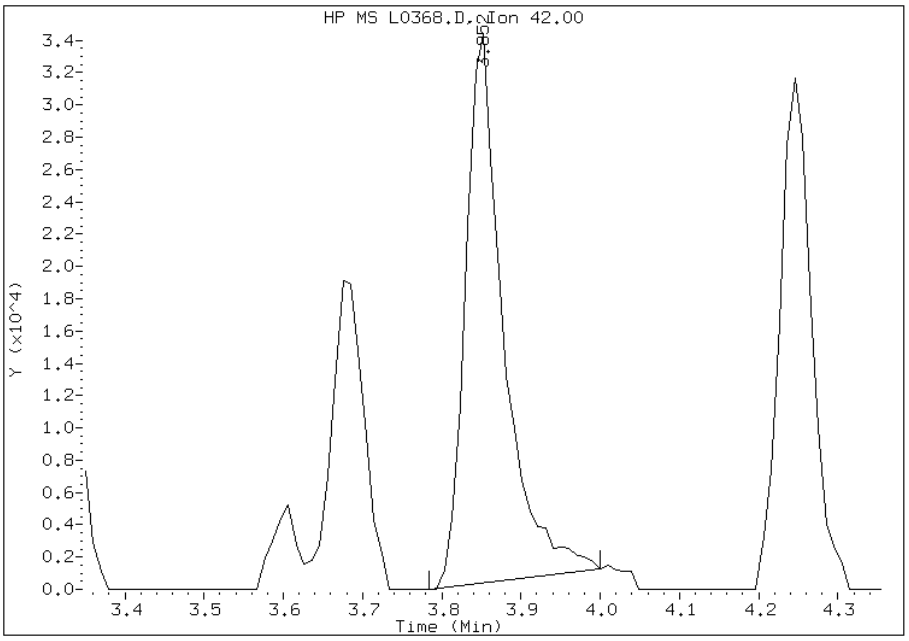
Manual Integration Results

RT: 3.85

Response: 114834

Amount: 1357

Conc: 1357



Manually Integrated By: eon
Manual Integration Reason:

Manual Integration Report

Data File: L0368.D
Inj. Date and Time: 14-JUL-2011 19:25
Instrument ID: msl.i
Client ID: IC;150
Compound: 124 1,2,3-Trichlorobenzene
CAS #: 87-61-6
Report Date: 07/26/2011

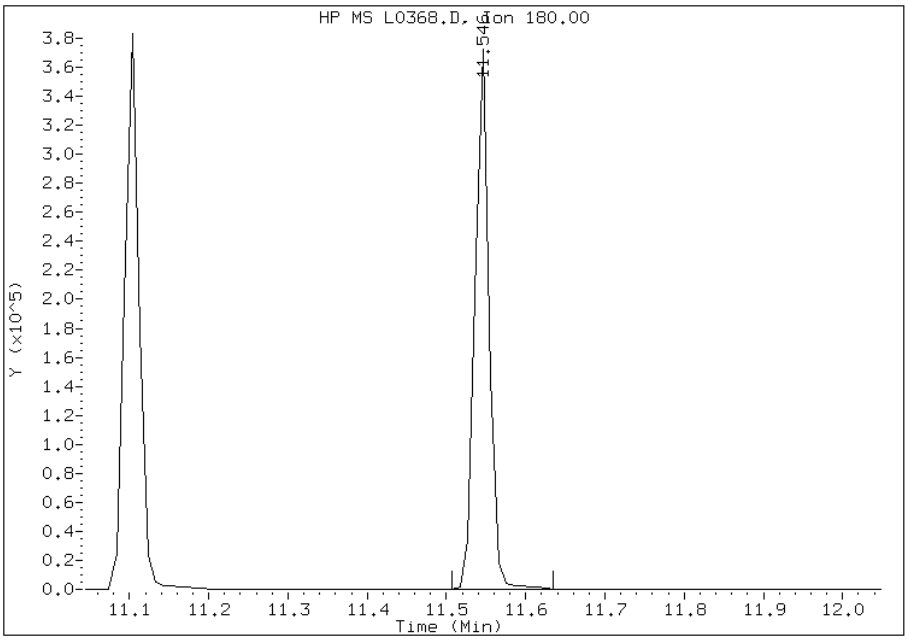
Processing Integration Results

RT: 11.55

Response: 481492

Amount: 151

Conc: 151



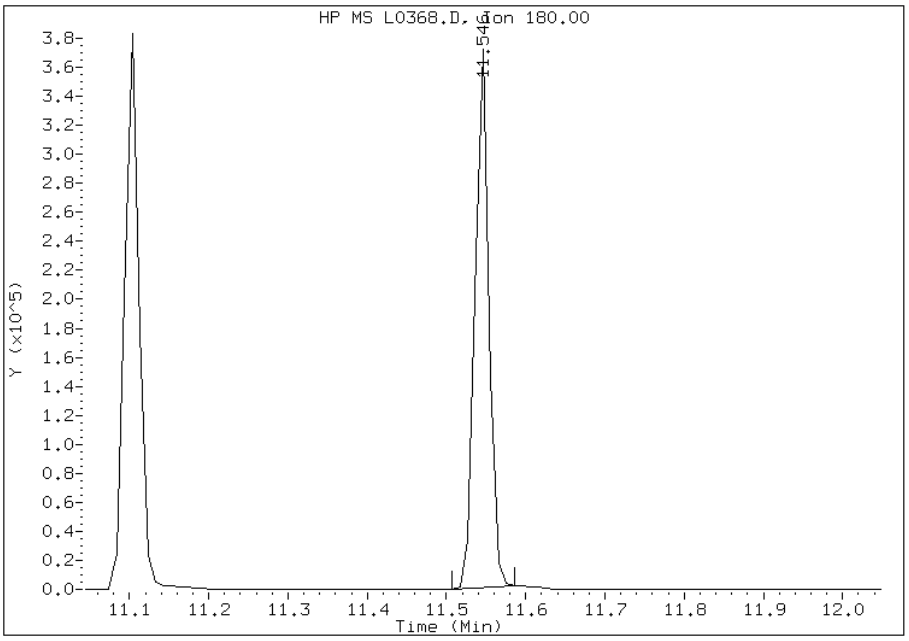
Manual Integration Results

RT: 11.55

Response: 470312

Amount: 149

Conc: 149



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

Manual Integration Report

Data File: L0368.D
Inj. Date and Time: 14-JUL-2011 19:25
Instrument ID: msl.i
Client ID: IC;150
Compound: 115 n-Butylbenzene
CAS #: 104-51-8
Report Date: 07/26/2011

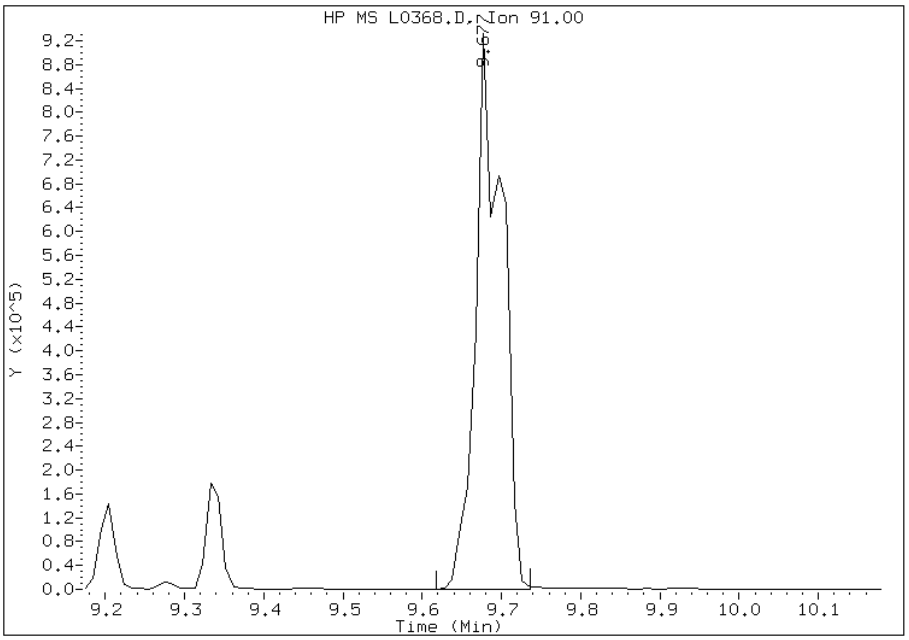
Processing Integration Results

RT: 9.68

Response: 2237198

Amount: 194

Conc: 194



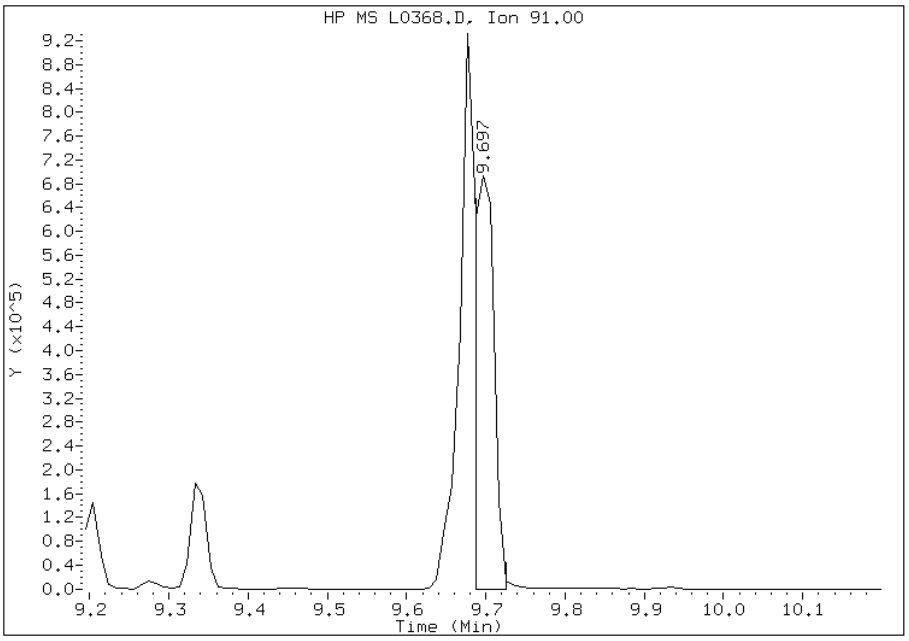
Manual Integration Results

RT: 9.70

Response: 1255215

Amount: 162

Conc: 162



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

Manual Integration Report

Data File: L0368.D
Inj. Date and Time: 14-JUL-2011 19:25
Instrument ID: msl.i
Client ID: IC;150
Compound: 23 Methyl Acetate
CAS #: 79-20-9
Report Date: 07/26/2011

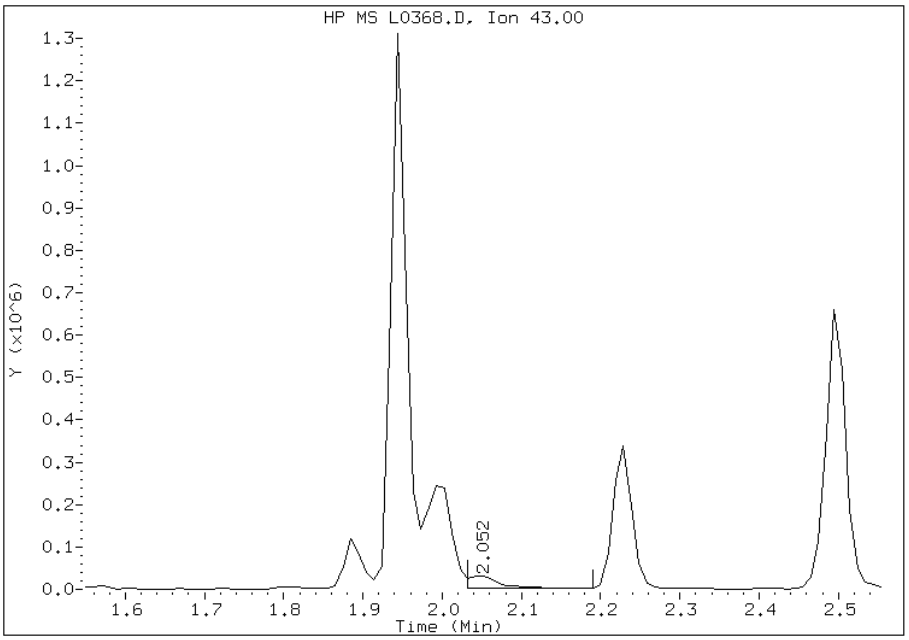
Processing Integration Results

RT: 2.05

Response: 85517

Amount: 124

Conc: 124



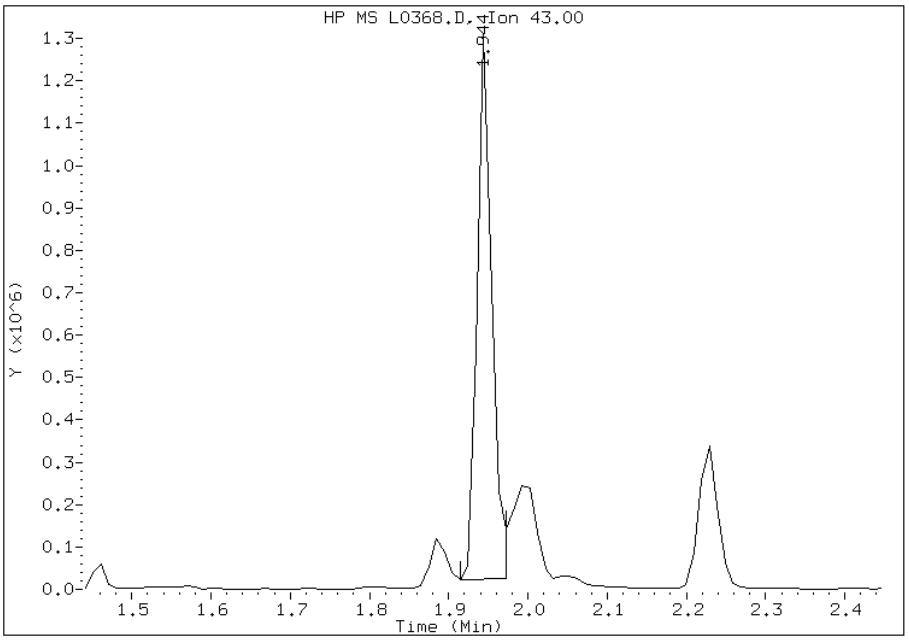
Manual Integration Results

RT: 1.94

Response: 1742366

Amount: 151

Conc: 151



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

Manual Integration Report

Data File: L0368.D
Inj. Date and Time: 14-JUL-2011 19:25
Instrument ID: msl.i
Client ID: IC;150
Compound: 25 tert-Butyl alcohol
CAS #: 75-65-0
Report Date: 07/26/2011

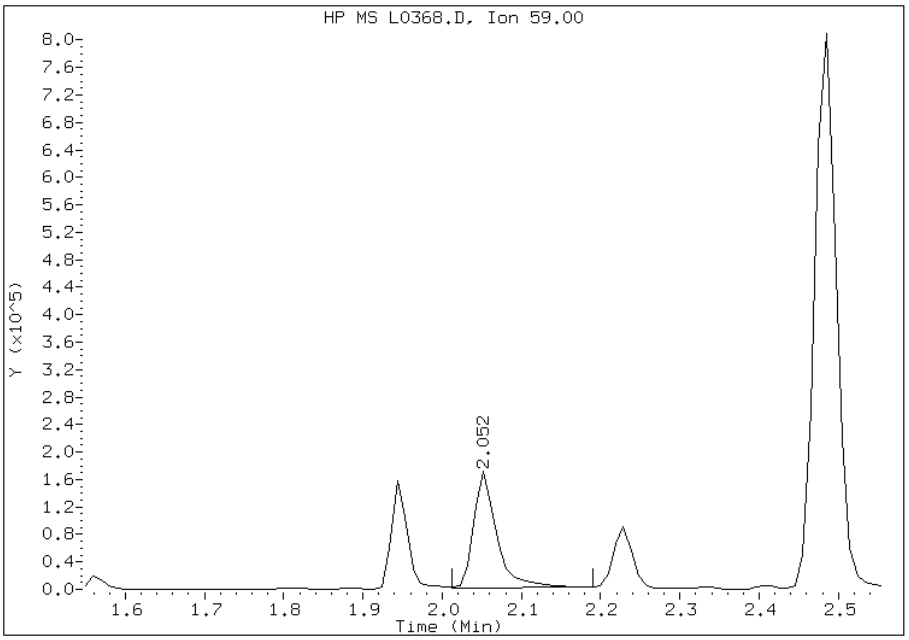
Processing Integration Results

RT: 2.05

Response: 345719

Amount: 644

Conc: 644



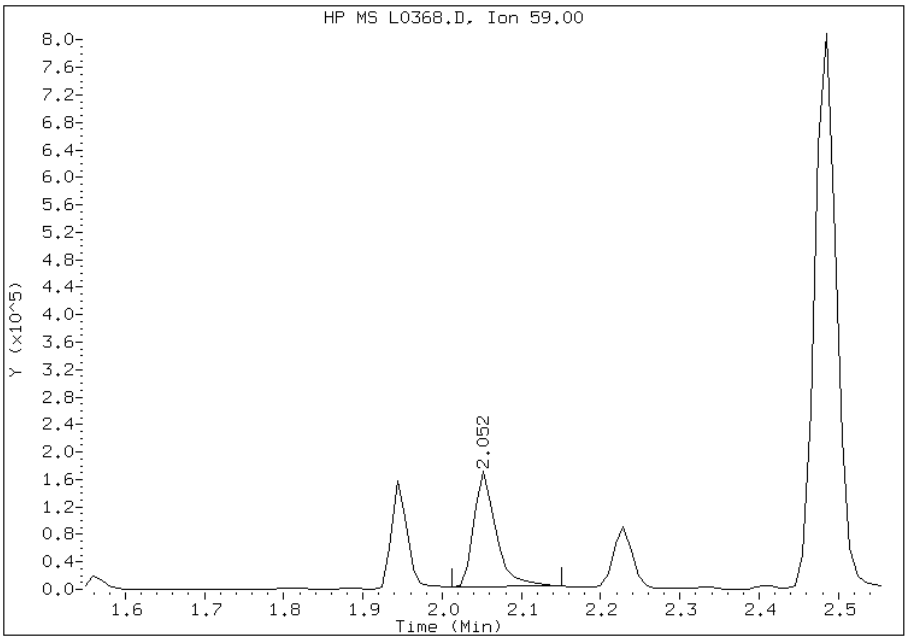
Manual Integration Results

RT: 2.05

Response: 329441

Amount: 642

Conc: 642



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

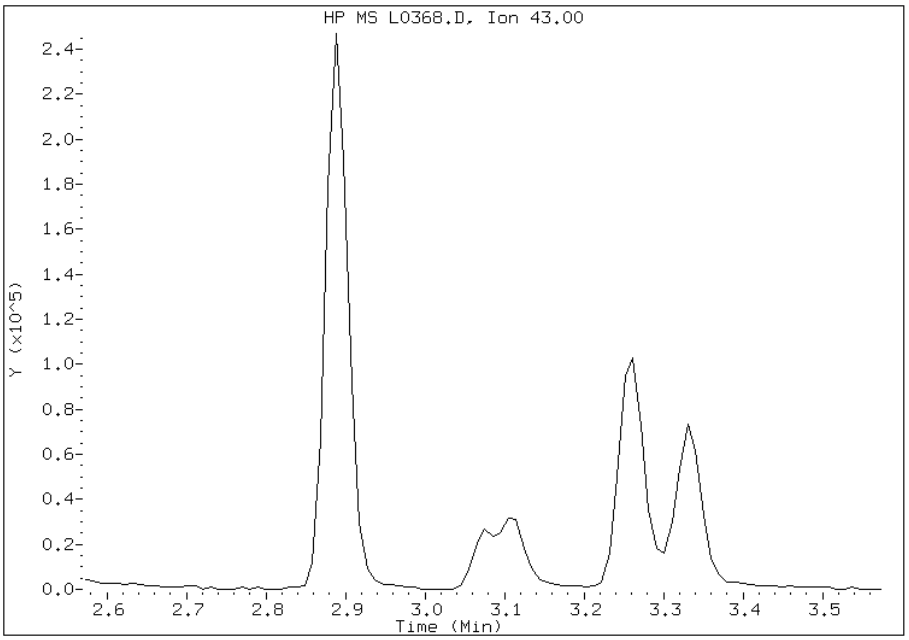
Manual Integration Report

Data File: L0368.D
Inj. Date and Time: 14-JUL-2011 19:25
Instrument ID: msl.i
Client ID: IC;150
Compound: 39 Ethyl Acetate
CAS #: 141-78-6
Report Date: 07/26/2011

Processing Integration Results

Not Detected

Expected RT: 3.07



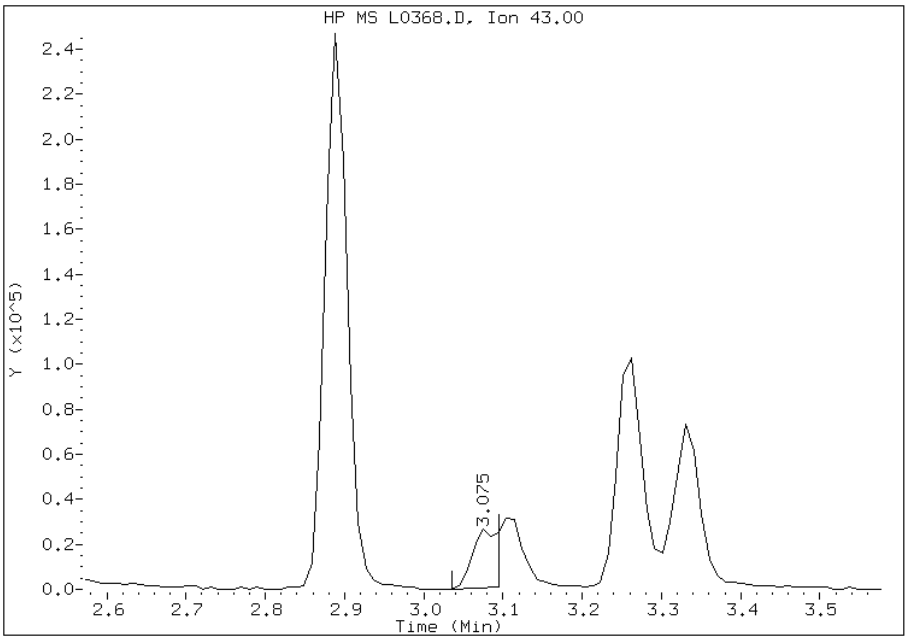
Manual Integration Results

RT: 3.08

Response: 61625

Amount: 311

Conc: 311



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

Manual Integration Report

Data File: L0368.D
Inj. Date and Time: 14-JUL-2011 19:25
Instrument ID: msl.i
Client ID: IC;150
Compound: 87 1-Chlorohexane
CAS #: 544-10-5
Report Date: 07/26/2011

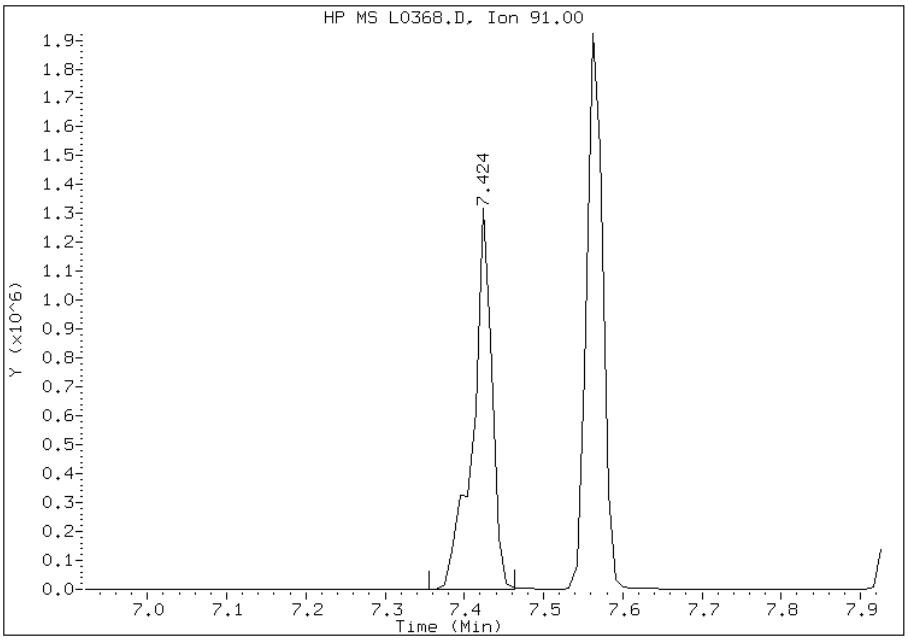
Processing Integration Results

RT: 7.42

Response: 2243571

Amount: 241

Conc: 241



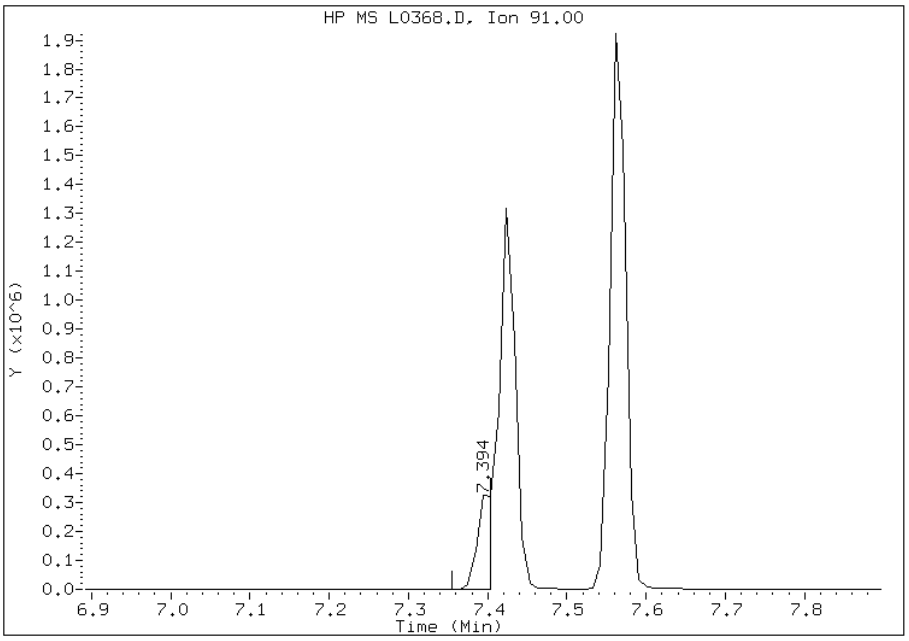
Manual Integration Results

RT: 7.39

Response: 470069

Amount: 174

Conc: 174



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

Manual Integration Report

Data File: L0368.D
Inj. Date and Time: 14-JUL-2011 19:25
Instrument ID: msl.i
Client ID: IC;150
Compound: 105 1,3,5-Trimethylbenzene
CAS #: 108-67-8
Report Date: 07/26/2011

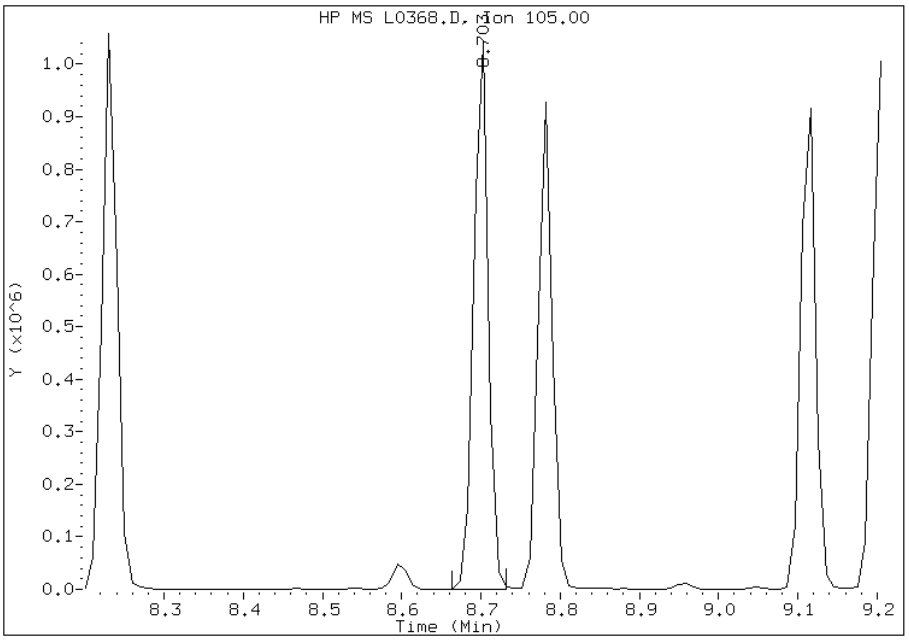
Processing Integration Results

RT: 8.70

Response: 1379342

Amount: 163

Conc: 163



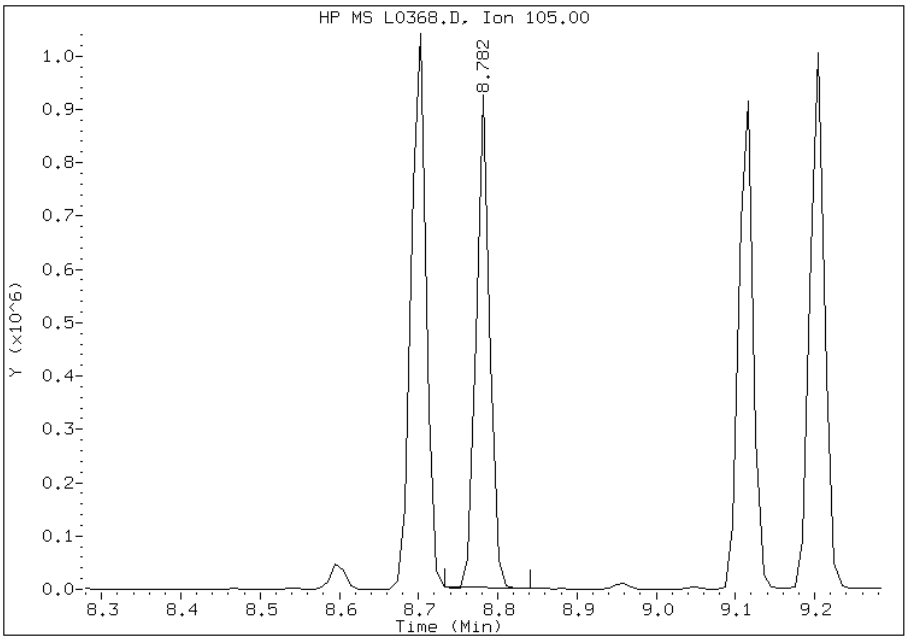
Manual Integration Results

RT: 8.78

Response: 1132440

Amount: 167

Conc: 167



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

STL-INC

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msl.i\L110361.b\L0369.D
Lab Smp Id: IC;100 Client Smp ID: IC;100
Inj Date : 14-JUL-2011 19:49 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : IC;100
Misc Info : LLW
Comment :
Method : \\consvr05\files\Chem\VOA\msl.i\L110361.b\L8260BNW.m
Meth Date : 26-Jul-2011 14:30 msl.i Quant Type: ISTD
Cal Date : 14-JUL-2011 19:25 Cal File: L0368.D
Als bottle: 9 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CONVOAMGR1

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	4.057	4.057	(1.000)	324364	25.0000	
2	Dichlorodifluoromethane	85	0.948	0.948	(0.234)	215920	100.000	110
3	Chloromethane	50	1.046	1.046	(0.258)	263334	100.000	100
4	Vinyl Chloride	62	1.076	1.076	(0.265)	256202	100.000	100
5	Bromomethane	94	1.213	1.213	(0.299)	143836	100.000	98
6	Chloroethane	64	1.263	1.263	(0.311)	125523	100.000	99
7	Trichlorofluoromethane	101	1.332	1.332	(0.328)	355763	100.000	100
8	Dichlorofluoromethane	67	1.351	1.351	(0.333)	501760	100.000	100
9	Ethyl Ether	45	1.459	1.459	(0.360)	140122	100.000	99
10	Ethanol	45	1.509	1.509	(0.372)	142307	1000.00	1200(H)
12	Freon 123	67	1.568	1.568	(0.386)	91962	100.000	100
13	Trichlorotrifluoroethane	101	1.578	1.578	(0.389)	292021	100.000	110
14	1,1-Dichloroethene	96	1.568	1.568	(0.386)	254871	100.000	110
15	Carbon Disulfide	76	1.597	1.597	(0.394)	945457	100.000	110
16	Iodomethane	142	1.646	1.646	(0.406)	594347	100.000	100
17	Acrolein	56	1.735	1.735	(0.428)	279750	500.000	480
18	2-Propanol	45	1.666	1.666	(0.411)	15770	100.000	68(M)
19	3-Chloro-1-Propene	41	1.804	1.804	(0.445)	364729	100.000	110
20	Methylene Chloride	84	1.863	1.863	(0.459)	344838	100.000	95
21	Acetone	43	1.883	1.883	(0.464)	115306	100.000	88
22	trans-1,2-Dichloroethene	96	1.951	1.951	(0.481)	329153	100.000	110
23	Methyl Acetate	43	1.942	1.942	(0.479)	1188876	100.000	93(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	24 Methyl tert-Butyl Ether	73	2.001	2.001	(0.493)	1113234	100.000	99
	25 tert-Butyl alcohol	59	2.050	2.050	(0.505)	253859	500.000	450(M)
	26 Acetonitrile	41	2.168	2.168	(0.534)	238480	1000.00	860
	27 Isopropyl ether	45	2.227	2.227	(0.549)	889387	100.000	100
	28 tert-Butyl ethyl ether	59	2.483	2.483	(0.612)	1118700	100.000	100
	29 2-Chloro-1,3-Butadiene	88	2.315	2.315	(0.571)	303772	100.000	110
	30 Acrylonitrile	53	2.374	2.374	(0.585)	245026	200.000	190
	31 1,1-Dichloroethane	63	2.335	2.335	(0.576)	588642	100.000	110
	32 Vinyl Acetate	43	2.493	2.493	(0.614)	815730	100.000	98
	33 cis-1,2-Dichloroethene	96	2.739	2.739	(0.675)	384339	100.000	100
	34 2,2-Dichloropropane	77	2.827	2.827	(0.697)	559964	100.000	110
	35 Bromochloromethane	128	2.906	2.906	(0.716)	236750	100.000	100
	37 Cyclohexane	84	2.906	2.906	(0.716)	313161	100.000	110
	38 Chloroform	83	2.965	2.965	(0.731)	661161	100.000	110
	39 Ethyl Acetate	43	3.073	3.073	(0.758)	41011	200.000	190(M)
	40 Methyl Acrylate	55	3.083	3.083	(0.760)	338426	100.000	100
$	41 Dibromofluoromethane	111	3.142	3.142	(0.774)	415481	100.000	100
	42 Tetrahydrofuran	42	3.112	3.112	(0.767)	215570	200.000	200
	43 Carbon Tetrachloride	117	3.093	3.093	(0.762)	447349	100.000	100
	44 1,1,1-Trichloroethane	97	3.162	3.162	(0.779)	513767	100.000	110
	45 2-Butanone	43	3.260	3.260	(0.804)	161166	100.000	92
	46 1,1-Dichloropropene	75	3.280	3.280	(0.808)	472125	100.000	110
	47 tert-Amyl methyl ether	73	3.683	3.683	(0.908)	1060948	100.000	100
	49 1-Chlorobutane	56	3.339	3.339	(0.823)	592093	100.000	110
	50 Heptane	43	3.683	3.683	(0.908)	323938	100.000	100
	51 Propionitrile	54	3.585	3.585	(0.884)	512418	1000.00	960
	52 Benzene	78	3.545	3.545	(0.874)	1184402	100.000	110
	53 2-Methyl-2-Propenenitrile	41	3.604	3.604	(0.888)	211677	100.000	93(M)
	54 Isobutyl alcohol	42	3.841	3.841	(0.947)	91100	1000.00	970
$	55 1,2-Dichloroethane-d4	65	3.703	3.703	(0.913)	482501	100.000	100
	56 1,2-Dichloroethane	62	3.781	3.781	(0.932)	558901	100.000	100
	59 Methyl Cyclohexane	83	4.254	4.254	(1.048)	303509	100.000	110
	60 Trichloroethene	130	4.273	4.273	(1.053)	417825	100.000	110
	63 Dibromomethane	93	4.775	4.775	(1.177)	276033	100.000	100
	64 1,2-Dichloropropane	63	4.893	4.893	(1.206)	311677	100.000	110
	65 Bromodichloromethane	83	4.992	4.992	(1.230)	517747	100.000	100
	176 Ethyl acrylate	55	4.982	4.982	(1.228)	522044	100.000	97(A)
	66 Methyl Methacrylate	69	5.208	5.208	(1.284)	299793	100.000	100
	67 1,4-Dioxane	58	5.238	5.238	(1.291)	38324	1000.00	1100
	69 2-Chloroethylvinylether	63	5.651	5.651	(1.393)	248225	100.000	100
	70 cis-1,3-Dichloropropene	75	5.690	5.690	(1.403)	598463	100.000	100
	71 Chloroacetonitrile	48	6.113	6.113	(1.507)	116540	1000.00	1000(H)
	72 2-Nitropropane	41	6.172	6.172	(1.521)	259130	200.000	190
	73 trans-1,3-Dichloropropene	75	6.369	6.369	(1.570)	616806	100.000	110(H)
	74 1,1,2-Trichloroethane	97	6.517	6.517	(1.606)	327480	100.000	100
*	75 Chlorobenzene-d5	117	7.363	7.363	(1.000)	320648	25.0000	
	76 Toluene	91	5.926	5.926	(0.805)	1250446	100.000	110
$	77 Toluene-d8	98	5.877	5.877	(0.798)	1144650	100.000	100
	78 1,1-Dichloro-2-propanone	43	6.182	6.182	(0.840)	990494	500.000	480
	79 4-Methyl-2-Pentanone	43	6.340	6.340	(0.861)	351730	100.000	98
	80 Tetrachloroethene	164	6.310	6.310	(0.857)	296653	100.000	110
	81 Ethyl Methacrylate	69	6.566	6.566	(0.892)	458635	100.000	100
	82 Dibromochloromethane	129	6.674	6.674	(0.906)	501441	100.000	100
	83 1,3-Dichloropropane	76	6.763	6.763	(0.918)	577006	100.000	100

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
84	1,2-Dibromoethane	107	6.871	6.871	(0.933)	429909	100.000	100
86	2-Hexanone	43	7.146	7.146	(0.971)	253953	100.000	95
87	1-Chlorohexane	91	7.402	7.402	(1.005)	324238	100.000	110(M)
88	Chlorobenzene	112	7.383	7.383	(1.003)	903394	100.000	110
89	1,1,1,2-Tetrachloroethane	131	7.451	7.451	(1.012)	386988	100.000	100
90	Ethylbenzene	106	7.422	7.422	(1.008)	410183	100.000	110
91	Xylene (total)mp	106	7.560	7.560	(1.027)	1005621	200.000	220
92	Xylene (total)o	106	7.943	7.943	(1.079)	519503	100.000	110
93	Styrene	104	7.993	7.993	(1.086)	896908	100.000	110
94	Bromoform	173	8.002	8.002	(1.087)	364595	100.000	110
* 95	1,4-Dichlorobenzene-d4	152	9.439	9.439	(1.000)	168891	25.0000	
96	Isopropylbenzene	105	8.229	8.229	(0.872)	990844	100.000	110
97	Bromobenzene	156	8.544	8.544	(0.905)	466633	100.000	110
98	1,1,2,2-Tetrachloroethane	83	8.671	8.671	(0.919)	468698	100.000	99
99	4-Ethyltoluene	105	8.701	8.701	(0.922)	1021041	100.000	110(H)
100	1,2,3-Trichloropropane	110	8.770	8.770	(0.929)	151110	100.000	100
101	trans-1,4-Dichloro-2-Butene	53	8.819	8.819	(0.934)	251418	200.000	200
102	n-Propylbenzene	91	8.593	8.593	(0.910)	1148339	100.000	120(H)
103	2-Chlorotoluene	91	8.711	8.711	(0.923)	909171	100.000	150(H)
104	4-Chlorotoluene	91	8.858	8.858	(0.939)	862733	100.000	110
105	1,3,5-Trimethylbenzene	105	8.780	8.780	(0.930)	723407	100.000	96(M)
106	tert-Butylbenzene	119	9.045	9.045	(0.958)	692100	100.000	110(H)
107	1,2,4-Trimethylbenzene	105	9.114	9.114	(0.966)	880407	100.000	110
108	sec-Butylbenzene	105	9.203	9.203	(0.975)	935542	100.000	100
109	4-Isopropyltoluene	119	9.340	9.340	(0.990)	827520	100.000	110
110	1,3-Dichlorobenzene	146	9.370	9.370	(0.993)	656288	100.000	100(H)
111	1,4-Dichlorobenzene	146	9.449	9.449	(1.001)	686304	100.000	100(H)
112	1,2-Dichlorobenzene	146	9.813	9.813	(1.040)	656858	100.000	100
113	Benzyl Chloride	126	9.675	9.675	(1.025)	198730	100.000	100
114	1,4-Diethylbenzene	119	9.655	9.655	(2.380)	410978	100.000	110
115	n-Butylbenzene	91	9.705	9.705	(1.028)	935824	100.000	110(M)
118	1,2,4,5-Tetramethylbenzene	119	10.354	10.354	(2.552)	760740	100.000	100
119	1,2-Dibromo-3-chloropropane	75	10.511	10.511	(1.114)	103326	100.000	97
120	Nitrobenzene	77	10.993	10.993	(1.165)	553935	1000.00	950
121	1,2,4-Trichlorobenzene	180	11.102	11.102	(1.176)	351911	100.000	99
122	Hexachlorobutadiene	225	11.092	11.092	(1.175)	119012	100.000	76
123	Naphthalene	128	11.377	11.377	(1.205)	1248039	100.000	96
124	1,2,3-Trichlorobenzene	180	11.544	11.544	(1.223)	338658	100.000	97(M)
$ 125	Bromofluorobenzene	95	8.465	8.465	(0.897)	418675	100.000	100
M 126	1,2-Dichloroethene (total)	100				713492	200.000	210
M 127	Xylene (total)	100				1525124	300.000	330

QC Flag Legend

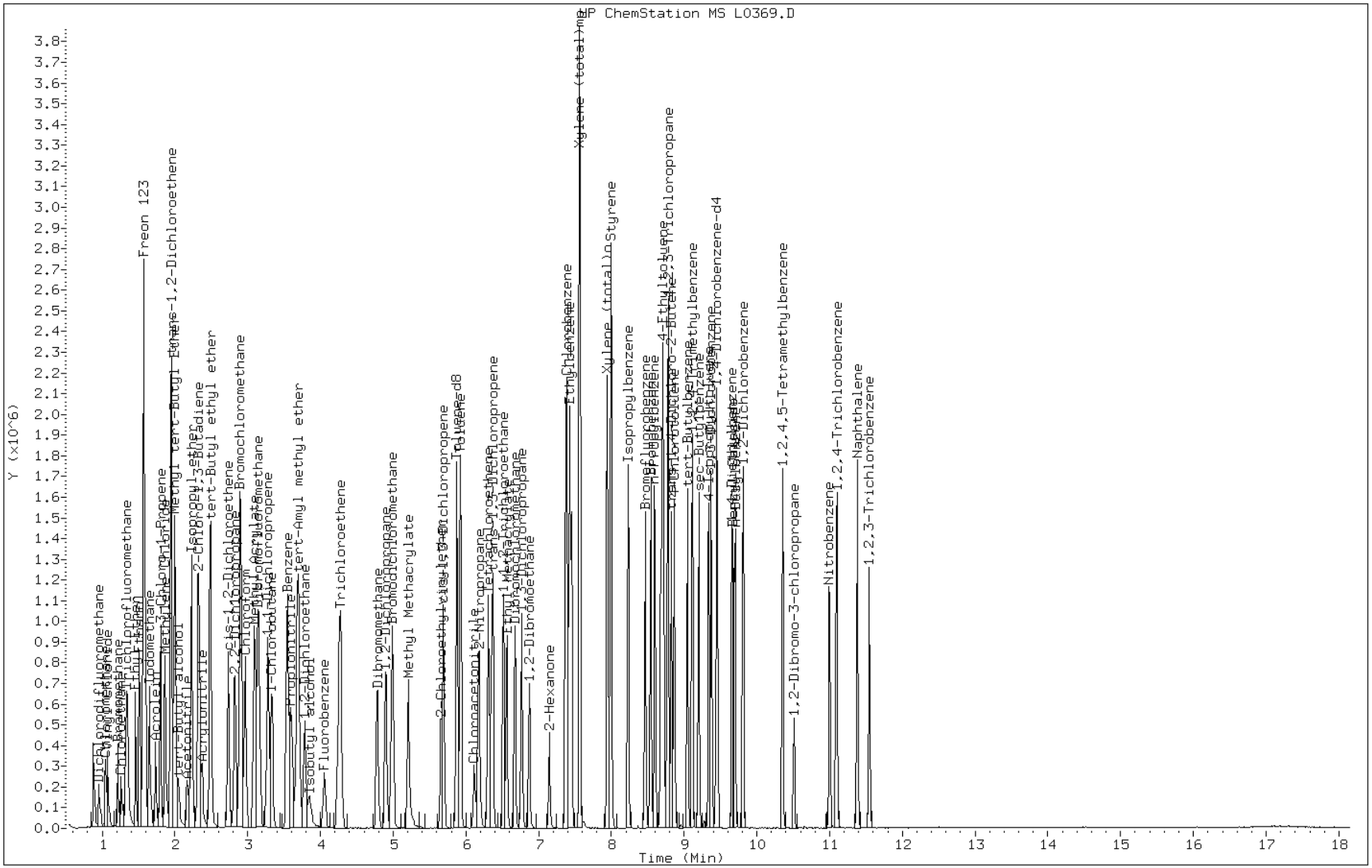
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: L0369.D

Date: 14-JUL-2011 19:49

Client ID: IC;100 Instrument: msl.i

Sample Info: IC;100 Operator: E. LYNCH



Manual Integration Report

Data File: L0369.D
Inj. Date and Time: 14-JUL-2011 19:49
Instrument ID: msl.i
Client ID: IC;100
Compound: 25 tert-Butyl alcohol
CAS #: 75-65-0
Report Date: 07/26/2011

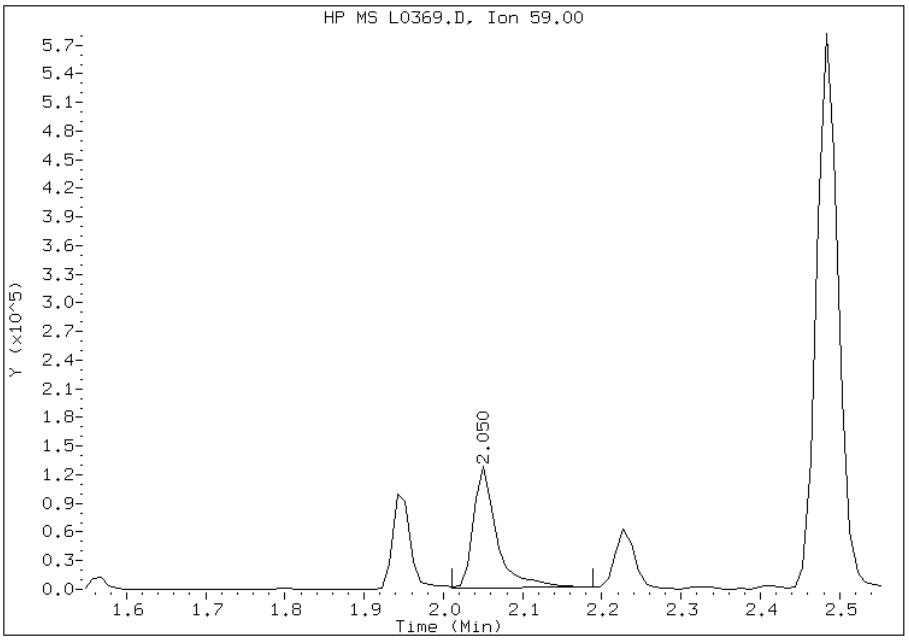
Processing Integration Results

RT: 2.05

Response: 268155

Amount: 451

Conc: 451



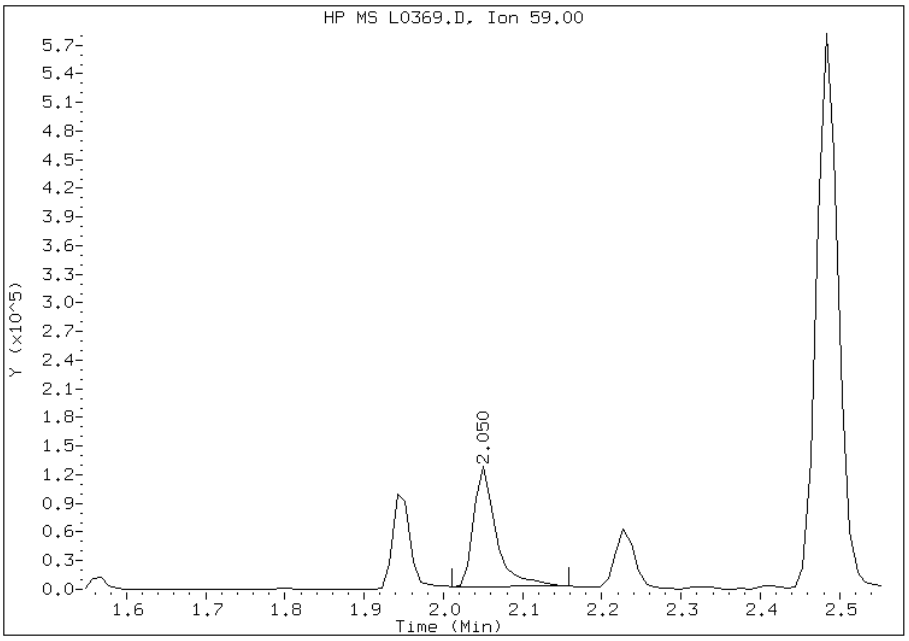
Manual Integration Results

RT: 2.05

Response: 253859

Amount: 447

Conc: 447



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

Manual Integration Report

Data File: L0369.D
Inj. Date and Time: 14-JUL-2011 19:49
Instrument ID: msl.i
Client ID: IC;100
Compound: 105 1,3,5-Trimethylbenzene
CAS #: 108-67-8
Report Date: 07/26/2011

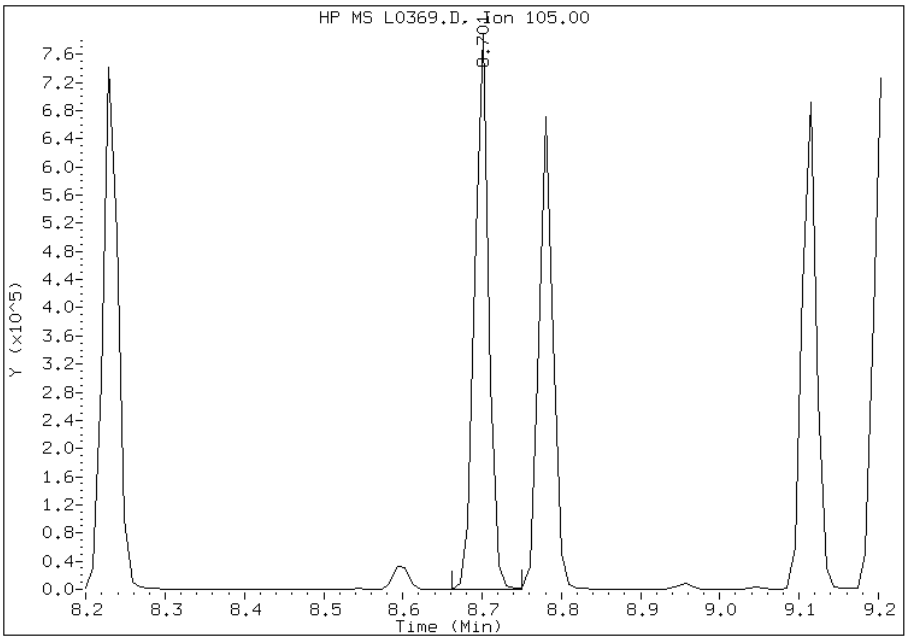
Processing Integration Results

RT: 8.70

Response: 1021041

Amount: 109

Conc: 109



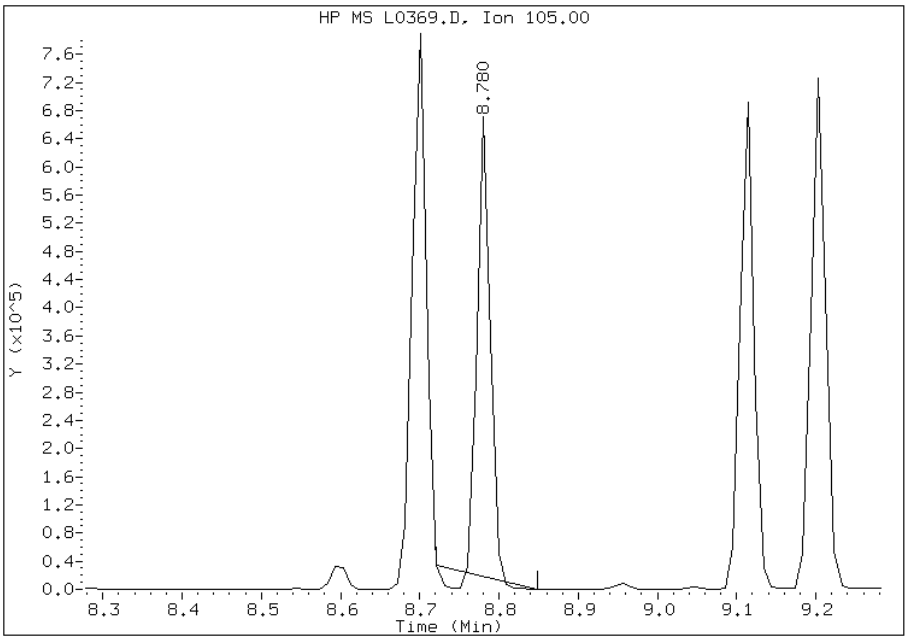
Manual Integration Results

RT: 8.78

Response: 723407

Amount: 96

Conc: 96



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

Manual Integration Report

Data File: L0369.D
Inj. Date and Time: 14-JUL-2011 19:49
Instrument ID: msl.i
Client ID: IC;100
Compound: 115 n-Butylbenzene
CAS #: 104-51-8
Report Date: 07/26/2011

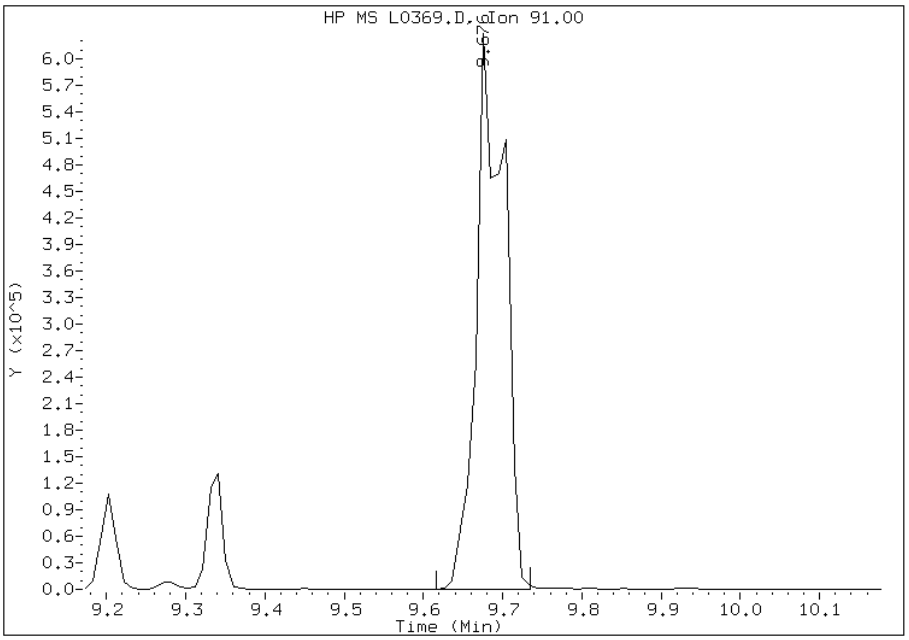
Processing Integration Results

RT: 9.68

Response: 1584797

Amount: 137

Conc: 137



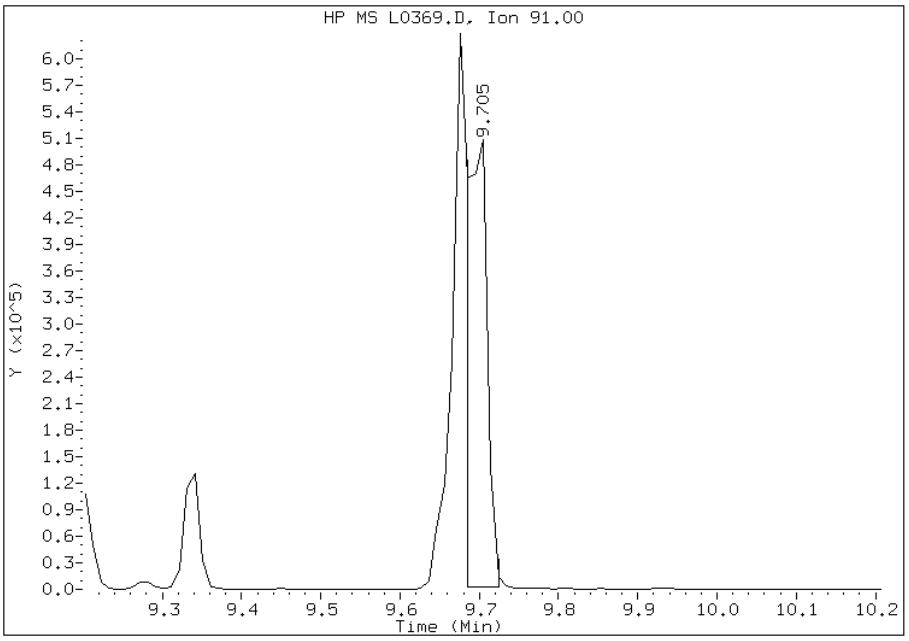
Manual Integration Results

RT: 9.71

Response: 935824

Amount: 109

Conc: 109



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

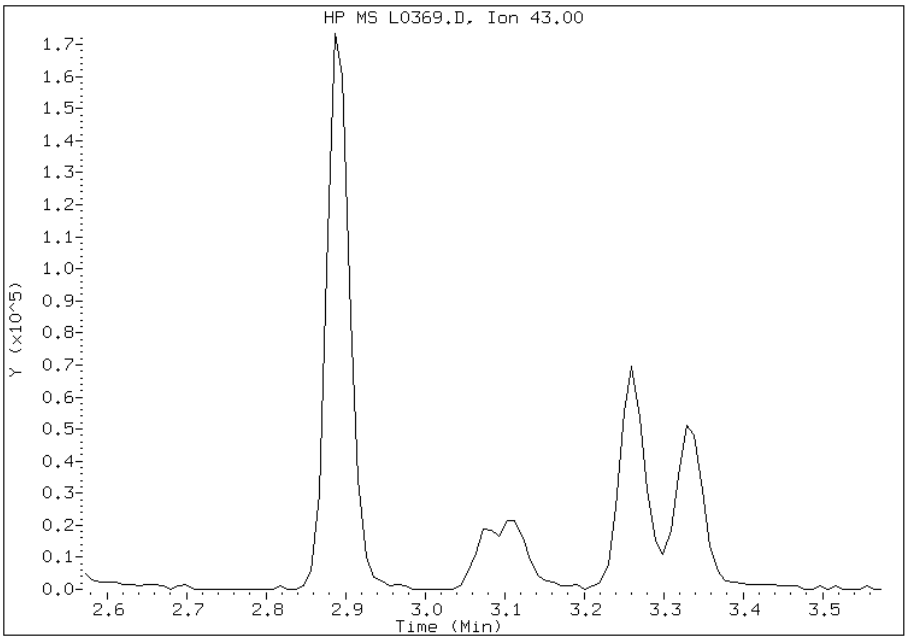
Manual Integration Report

Data File: L0369.D
Inj. Date and Time: 14-JUL-2011 19:49
Instrument ID: msl.i
Client ID: IC;100
Compound: 39 Ethyl Acetate
CAS #: 141-78-6
Report Date: 07/26/2011

Processing Integration Results

Not Detected

Expected RT: 3.07



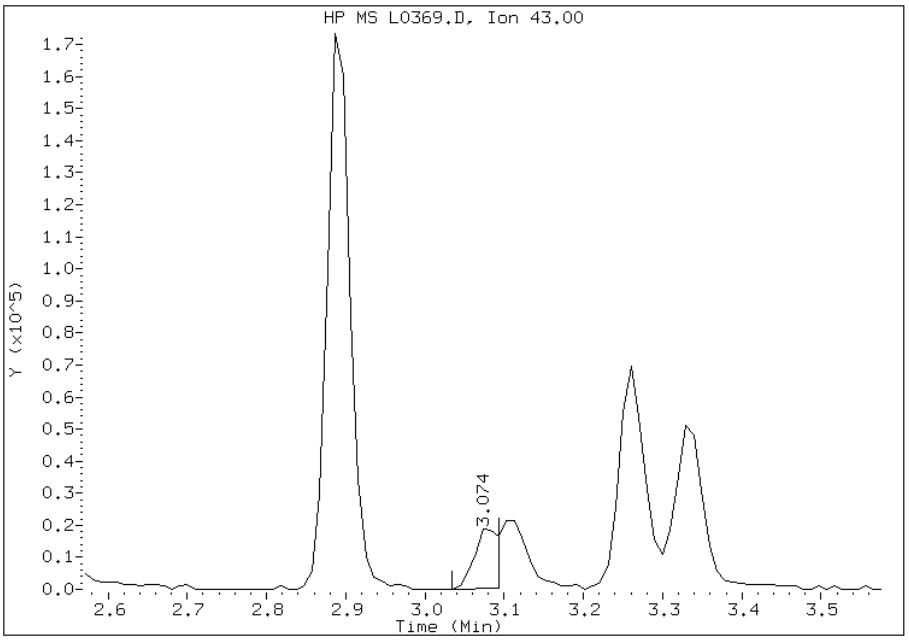
Manual Integration Results

RT: 3.07

Response: 41011

Amount: 187

Conc: 187



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

Manual Integration Report

Data File: L0369.D
Inj. Date and Time: 14-JUL-2011 19:49
Instrument ID: msl.i
Client ID: IC;100
Compound: 18 2-Propanol
CAS #: 67-63-0
Report Date: 07/26/2011

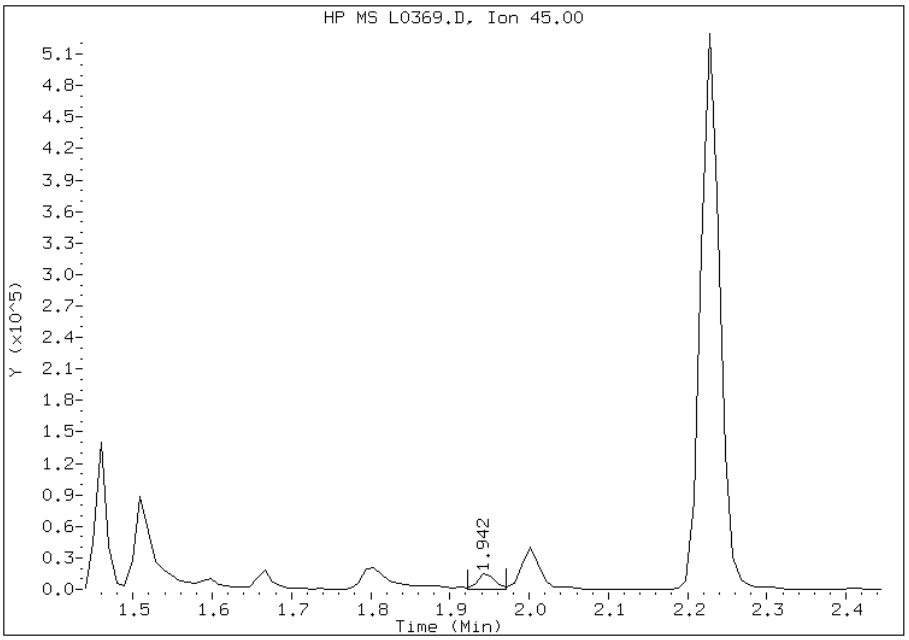
Processing Integration Results

RT: 1.94

Response: 23200

Amount: 86

Conc: 86



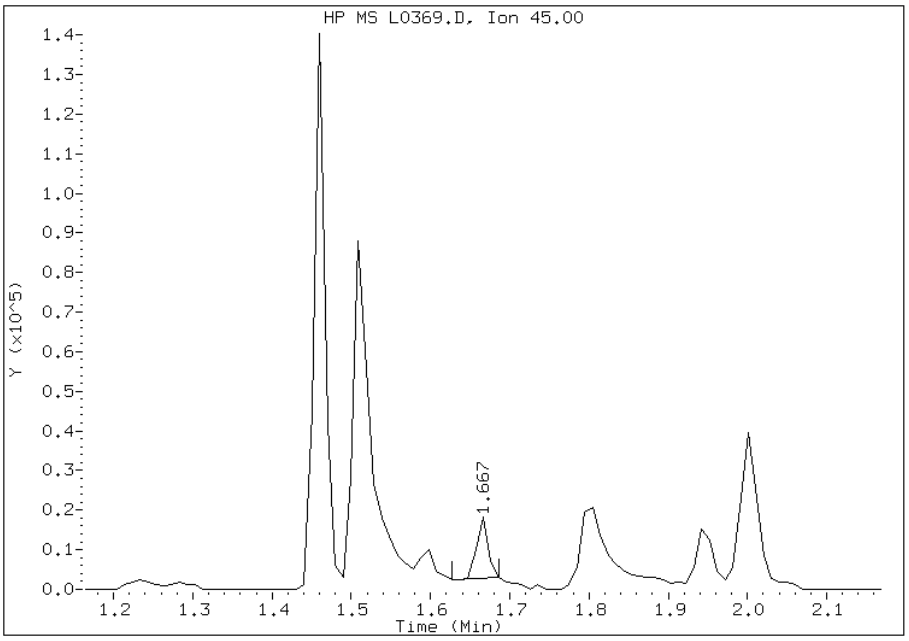
Manual Integration Results

RT: 1.67

Response: 15770

Amount: 68

Conc: 68



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

Manual Integration Report

Data File: L0369.D
Inj. Date and Time: 14-JUL-2011 19:49
Instrument ID: msl.i
Client ID: IC;100
Compound: 23 Methyl Acetate
CAS #: 79-20-9
Report Date: 07/26/2011

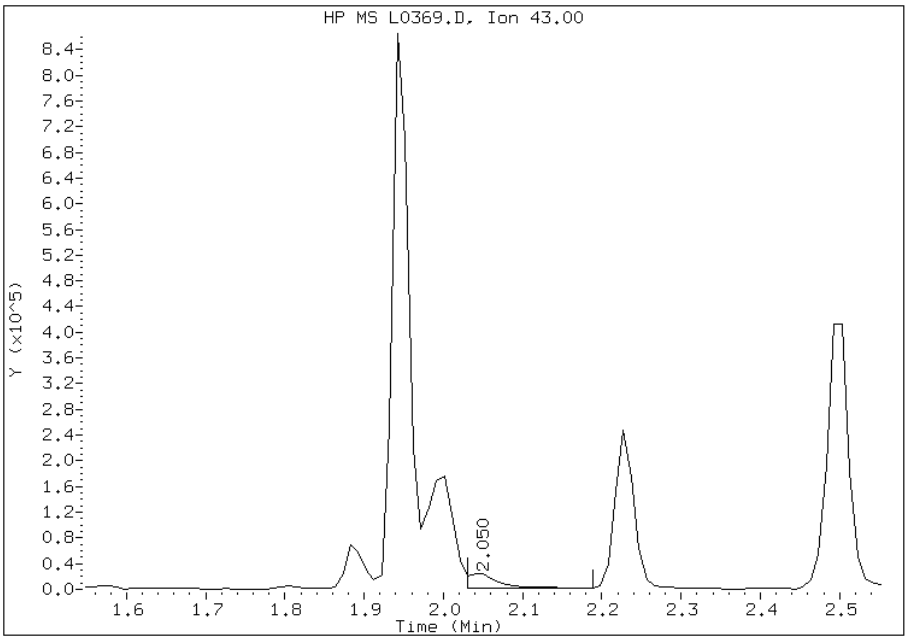
Processing Integration Results

RT: 2.05

Response: 68568

Amount: 90

Conc: 90



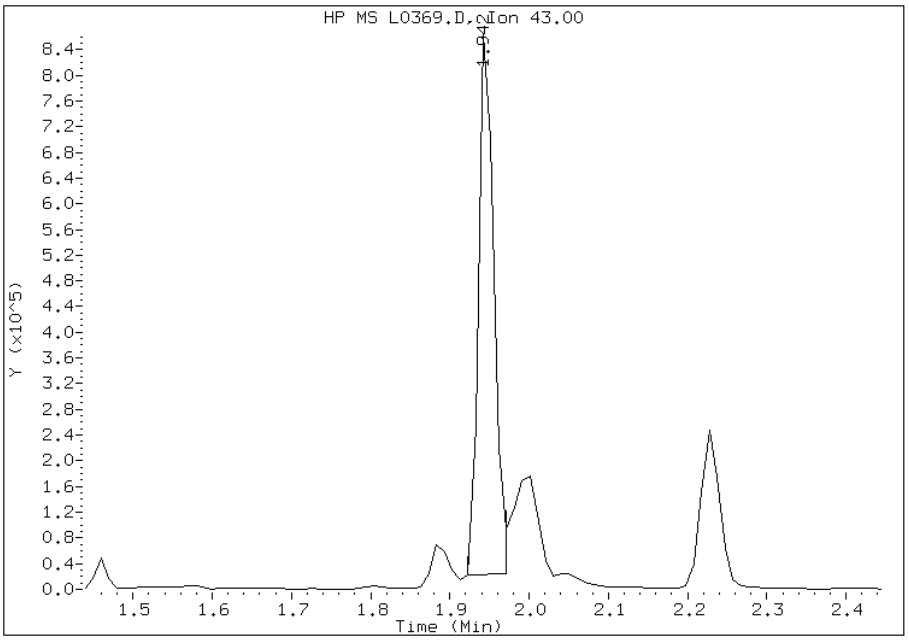
Manual Integration Results

RT: 1.94

Response: 1188876

Amount: 93

Conc: 93



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

Manual Integration Report

Data File: L0369.D
Inj. Date and Time: 14-JUL-2011 19:49
Instrument ID: msl.i
Client ID: IC;100
Compound: 87 1-Chlorohexane
CAS #: 544-10-5
Report Date: 07/26/2011

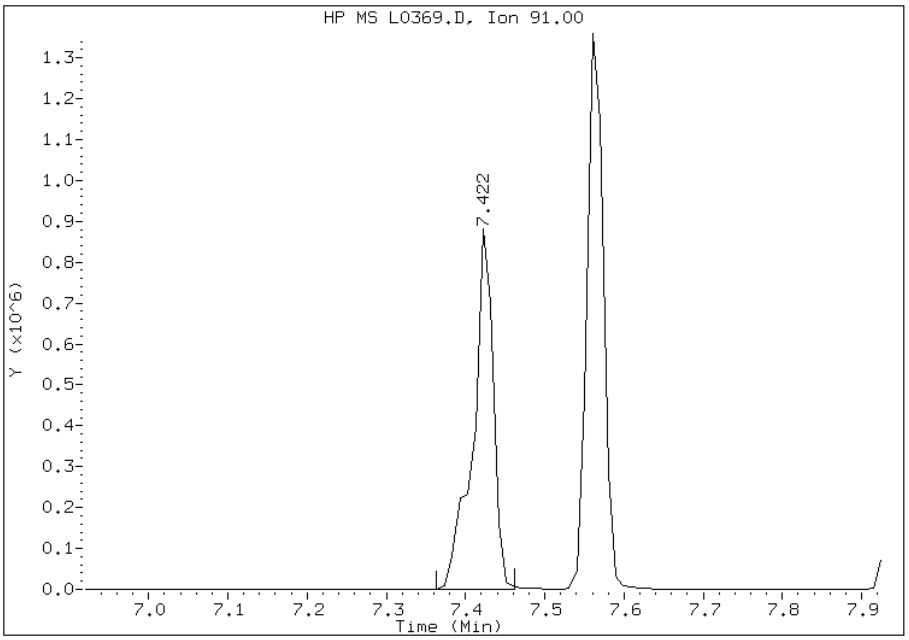
Processing Integration Results

RT: 7.42

Response: 1601057

Amount: 211

Conc: 211



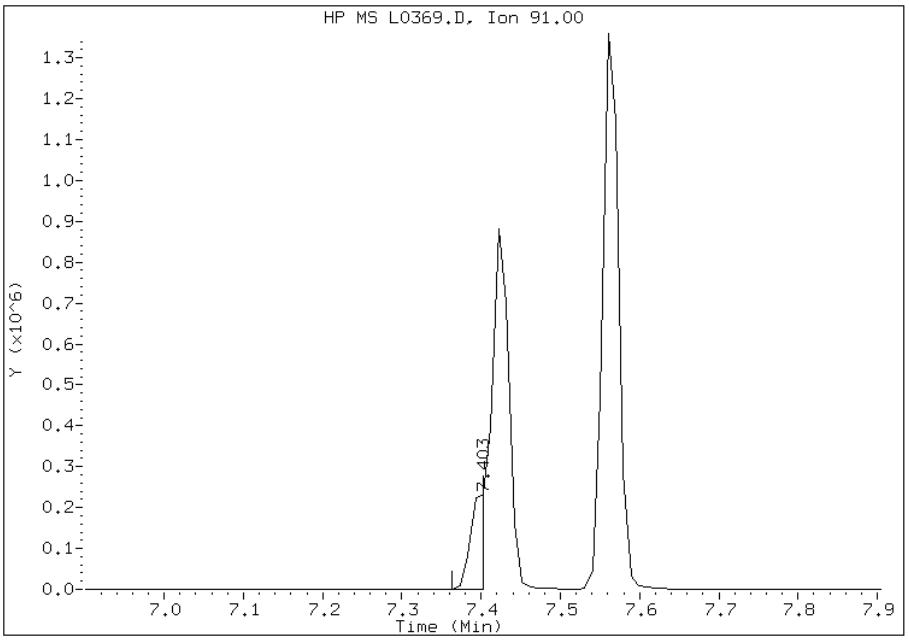
Manual Integration Results

RT: 7.40

Response: 324238

Amount: 110

Conc: 110



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

Manual Integration Report

Data File: L0369.D
Inj. Date and Time: 14-JUL-2011 19:49
Instrument ID: msl.i
Client ID: IC;100
Compound: 53 2-Methyl-2-Propenenitrile
CAS #: 126-98-7
Report Date: 07/26/2011

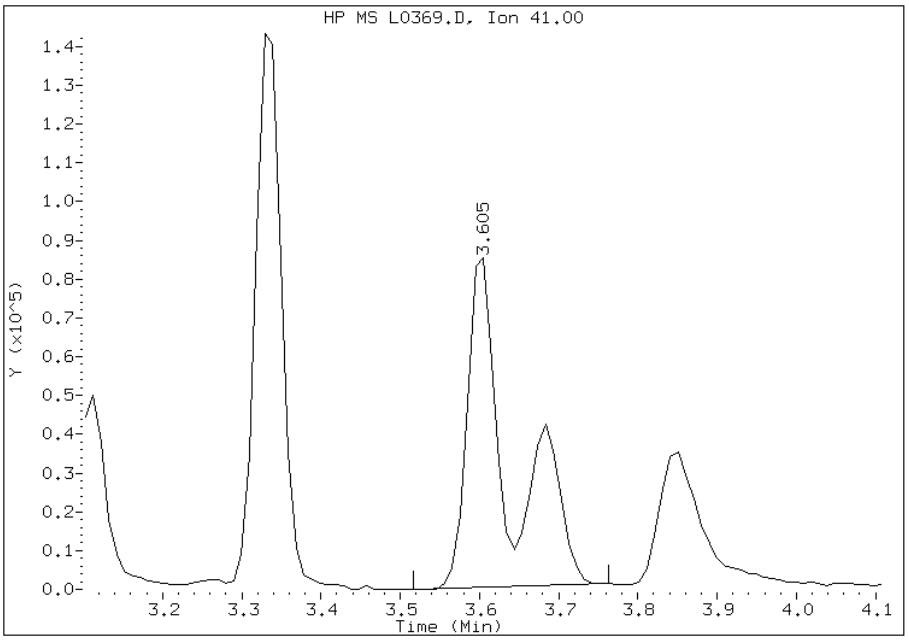
Processing Integration Results

RT: 3.60

Response: 323189

Amount: 146

Conc: 146



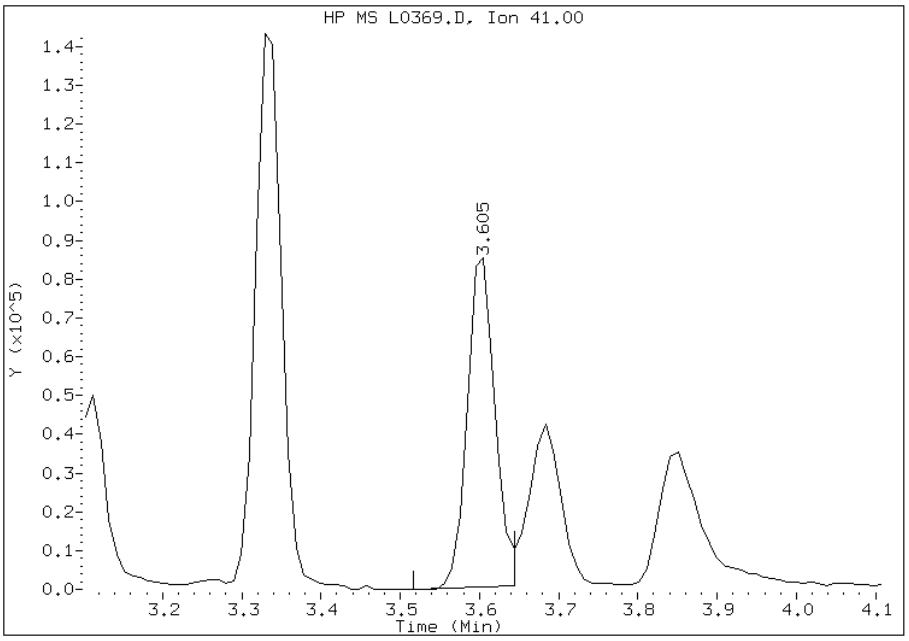
Manual Integration Results

RT: 3.60

Response: 211677

Amount: 93

Conc: 93



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

Manual Integration Report

Data File: L0369.D
Inj. Date and Time: 14-JUL-2011 19:49
Instrument ID: msl.i
Client ID: IC;100
Compound: 124 1,2,3-Trichlorobenzene
CAS #: 87-61-6
Report Date: 07/26/2011

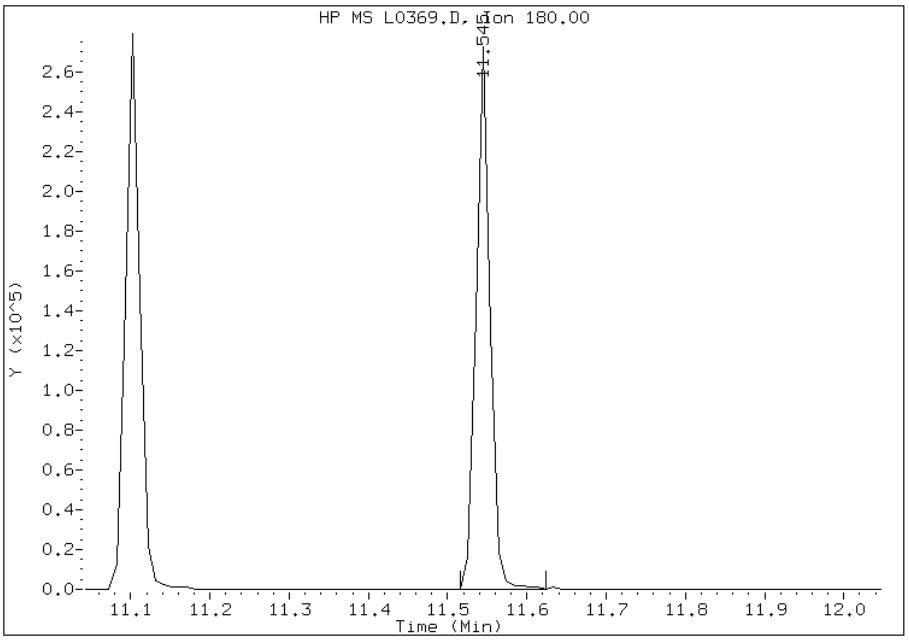
Processing Integration Results

RT: 11.54

Response: 345931

Amount: 98

Conc: 98



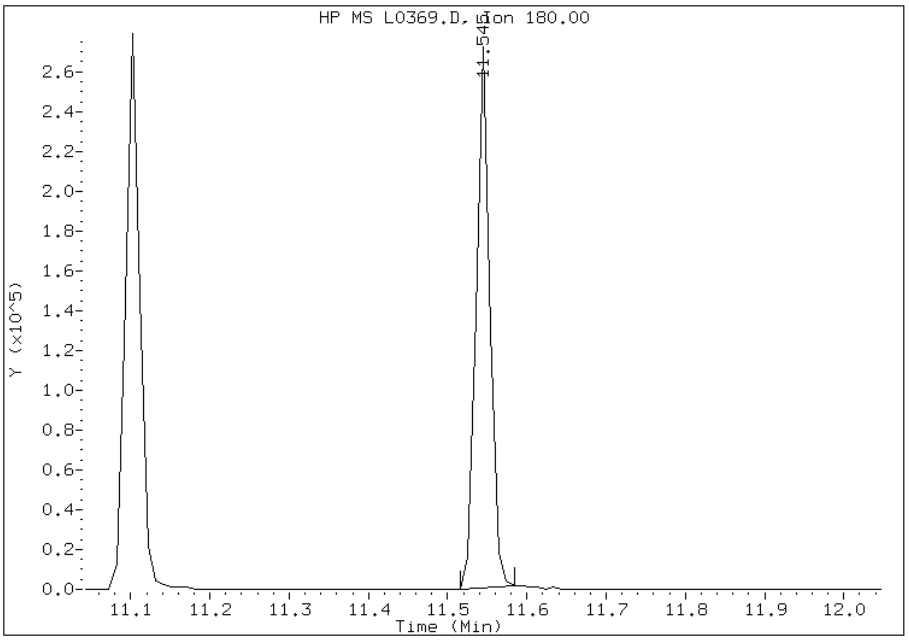
Manual Integration Results

RT: 11.54

Response: 338658

Amount: 97

Conc: 97



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

STL-INC

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msl.i\L110361.b\L0370.D
Lab Smp Id: IC;50 Client Smp ID: IC;50
Inj Date : 14-JUL-2011 20:14 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : IC;50
Misc Info : LLW
Comment :
Method : \\consvr05\files\Chem\VOA\msl.i\L110361.b\L8260BNW.m
Meth Date : 26-Jul-2011 14:31 msl.i Quant Type: ISTD
Cal Date : 14-JUL-2011 20:14 Cal File: L0370.D
Als bottle: 10 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	4.056	4.056	(1.000)	334678	25.0000	
2	Dichlorodifluoromethane	85	0.957	0.957	(0.236)	98062	50.0000	47
3	Chloromethane	50	1.045	1.045	(0.258)	133667	50.0000	51
4	Vinyl Chloride	62	1.075	1.075	(0.265)	126591	50.0000	50
5	Bromomethane	94	1.213	1.213	(0.299)	71837	50.0000	47
6	Chloroethane	64	1.272	1.272	(0.314)	67542	50.0000	50
7	Trichlorofluoromethane	101	1.331	1.331	(0.328)	184881	50.0000	50
8	Dichlorofluoromethane	67	1.350	1.350	(0.333)	241965	50.0000	49
9	Ethyl Ether	45	1.458	1.458	(0.360)	69526	50.0000	47
10	Ethanol	45	1.508	1.508	(0.372)	75894	500.000	620(H)
12	Freon 123	67	1.567	1.567	(0.386)	43517	50.0000	48
13	Trichlorotrifluoroethane	101	1.577	1.577	(0.389)	132516	50.0000	49
14	1,1-Dichloroethene	96	1.567	1.567	(0.386)	120897	50.0000	50
15	Carbon Disulfide	76	1.596	1.596	(0.394)	455164	50.0000	50
16	Iodomethane	142	1.645	1.645	(0.406)	289112	50.0000	49
17	Acrolein	56	1.734	1.734	(0.428)	155103	250.000	260
18	2-Propanol	45	1.665	1.665	(0.411)	11342	50.0000	48(M)
19	3-Chloro-1-Propene	41	1.803	1.803	(0.445)	174518	50.0000	50
20	Methylene Chloride	84	1.862	1.862	(0.459)	168547	50.0000	45
21	Acetone	43	1.882	1.882	(0.464)	59194	50.0000	45
22	trans-1,2-Dichloroethene	96	1.950	1.950	(0.481)	157337	50.0000	50
23	Methyl Acetate	43	1.941	1.941	(0.479)	678904	50.0000	51(MH)
24	Methyl tert-Butyl Ether	73	2.000	2.000	(0.493)	556233	50.0000	48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	25 tert-Butyl alcohol	59	2.049	2.049	(0.505)	140966	250.000	240(M)
	26 Acetonitrile	41	2.167	2.167	(0.534)	147547	500.000	520
	27 Isopropyl ether	45	2.226	2.226	(0.549)	437720	50.0000	49
	28 tert-Butyl ethyl ether	59	2.482	2.482	(0.612)	544889	50.0000	49
	29 2-Chloro-1,3-Butadiene	88	2.314	2.314	(0.571)	140145	50.0000	50
	30 Acrylonitrile	53	2.374	2.374	(0.585)	133559	100.000	100
	31 1,1-Dichloroethane	63	2.334	2.334	(0.576)	275891	50.0000	49
	32 Vinyl Acetate	43	2.501	2.501	(0.617)	433961	50.0000	50
	33 cis-1,2-Dichloroethene	96	2.738	2.738	(0.675)	181692	50.0000	48
	34 2,2-Dichloropropane	77	2.826	2.826	(0.697)	259293	50.0000	48
	35 Bromochloromethane	128	2.905	2.905	(0.716)	114524	50.0000	48
	37 Cyclohexane	84	2.905	2.905	(0.716)	143273	50.0000	49
	38 Chloroform	83	2.964	2.964	(0.731)	309431	50.0000	48
	39 Ethyl Acetate	43	3.082	3.082	(0.760)	22748	100.000	100(MH)
	40 Methyl Acrylate	55	3.082	3.082	(0.760)	177192	50.0000	51
$	41 Dibromofluoromethane	111	3.141	3.141	(0.774)	202947	50.0000	49
	42 Tetrahydrofuran	42	3.111	3.111	(0.767)	117995	100.000	100
	43 Carbon Tetrachloride	117	3.092	3.092	(0.762)	203105	50.0000	47(H)
	44 1,1,1-Trichloroethane	97	3.161	3.161	(0.779)	234688	50.0000	49
	45 2-Butanone	43	3.259	3.259	(0.804)	91355	50.0000	51(MH)
	46 1,1-Dichloropropene	75	3.279	3.279	(0.808)	218399	50.0000	49
	47 tert-Amyl methyl ether	73	3.682	3.682	(0.908)	523238	50.0000	48
	49 1-Chlorobutane	56	3.338	3.338	(0.823)	271812	50.0000	49
	50 Heptane	43	3.682	3.682	(0.908)	157346	50.0000	49(H)
	51 Propionitrile	54	3.584	3.584	(0.884)	285270	500.000	520
	52 Benzene	78	3.544	3.544	(0.874)	555253	50.0000	48
	53 2-Methyl-2-Propenenitrile	41	3.603	3.603	(0.888)	113318	50.0000	48(M)
	54 Isobutyl alcohol	42	3.849	3.849	(0.949)	52172	500.000	540(M)
$	55 1,2-Dichloroethane-d4	65	3.702	3.702	(0.913)	236813	50.0000	48
	56 1,2-Dichloroethane	62	3.780	3.780	(0.932)	269177	50.0000	48
	59 Methyl Cyclohexane	83	4.253	4.253	(1.049)	146648	50.0000	50
	60 Trichloroethene	130	4.272	4.272	(1.053)	196402	50.0000	50
	63 Dibromomethane	93	4.784	4.784	(1.179)	133184	50.0000	49
	64 1,2-Dichloropropane	63	4.902	4.902	(1.209)	147887	50.0000	49
	65 Bromodichloromethane	83	4.991	4.991	(1.230)	241501	50.0000	47
	176 Ethyl acrylate	55	4.981	4.981	(1.228)	279420	50.0000	50(A)
	66 Methyl Methacrylate	69	5.207	5.207	(1.284)	157911	50.0000	52
	67 1,4-Dioxane	58	5.237	5.237	(1.291)	22755	500.000	620
	69 2-Chloroethylvinylether	63	5.650	5.650	(1.393)	130187	50.0000	50
	70 cis-1,3-Dichloropropene	75	5.689	5.689	(1.403)	285963	50.0000	48(H)
	71 Chloroacetonitrile	48	6.112	6.112	(1.507)	62804	500.000	520(M)
	72 2-Nitropropane	41	6.171	6.171	(1.521)	139536	100.000	100
	73 trans-1,3-Dichloropropene	75	6.368	6.368	(1.570)	273274	50.0000	46(M)
	74 1,1,2-Trichloroethane	97	6.516	6.516	(1.606)	161209	50.0000	48
*	75 Chlorobenzene-d5	117	7.362	7.362	(1.000)	333172	25.0000	
	76 Toluene	91	5.925	5.925	(0.805)	587427	50.0000	49
$	77 Toluene-d8	98	5.876	5.876	(0.798)	567525	50.0000	50
	78 1,1-Dichloro-2-propanone	43	6.181	6.181	(0.840)	543128	250.000	260
	79 4-Methyl-2-Pentanone	43	6.339	6.339	(0.861)	189071	50.0000	51
	80 Tetrachloroethene	164	6.309	6.309	(0.857)	134073	50.0000	49
	81 Ethyl Methacrylate	69	6.565	6.565	(0.892)	235276	50.0000	50
	82 Dibromochloromethane	129	6.673	6.673	(0.906)	237336	50.0000	48
	83 1,3-Dichloropropane	76	6.772	6.772	(0.920)	280225	50.0000	48
	84 1,2-Dibromoethane	107	6.870	6.870	(0.933)	213172	50.0000	49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
86	2-Hexanone	43	7.145	7.145	(0.971)	137507	50.0000	50
87	1-Chlorohexane	91	7.401	7.401	(1.005)	141466	50.0000	46(M)
88	Chlorobenzene	112	7.382	7.382	(1.003)	440565	50.0000	50
89	1,1,1,2-Tetrachloroethane	131	7.450	7.450	(1.012)	186196	50.0000	49
90	Ethylbenzene	106	7.421	7.421	(1.008)	195866	50.0000	50(H)
91	Xylene (total)mp	106	7.568	7.568	(1.028)	481504	100.000	100
92	Xylene (total)o	106	7.942	7.942	(1.079)	243803	50.0000	50
93	Styrene	104	7.992	7.992	(1.086)	431945	50.0000	50
94	Bromoform	173	8.001	8.001	(1.087)	180646	50.0000	51
* 95	1,4-Dichlorobenzene-d4	152	9.438	9.438	(1.000)	180744	25.0000	
96	Isopropylbenzene	105	8.228	8.228	(0.872)	466657	50.0000	48
97	Bromobenzene	156	8.543	8.543	(0.905)	225881	50.0000	48
98	1,1,2,2-Tetrachloroethane	83	8.680	8.680	(0.920)	243796	50.0000	48
99	4-Ethyltoluene	105	8.700	8.700	(0.922)	488320	50.0000	49(H)
100	1,2,3-Trichloropropane	110	8.769	8.769	(0.929)	79528	50.0000	49
101	trans-1,4-Dichloro-2-Butene	53	8.818	8.818	(0.934)	132335	100.000	98
102	n-Propylbenzene	91	8.602	8.602	(0.911)	547024	50.0000	48(H)
103	2-Chlorotoluene	91	8.720	8.720	(0.924)	437902	50.0000	49(H)
104	4-Chlorotoluene	91	8.867	8.867	(0.940)	416885	50.0000	48
105	1,3,5-Trimethylbenzene	105	8.779	8.779	(0.930)	402702	50.0000	50(MH)
106	tert-Butylbenzene	119	9.044	9.044	(0.958)	329283	50.0000	48(H)
107	1,2,4-Trimethylbenzene	105	9.113	9.113	(0.966)	428009	50.0000	49(MH)
108	sec-Butylbenzene	105	9.202	9.202	(0.975)	465204	50.0000	49
109	4-Isopropyltoluene	119	9.340	9.340	(0.990)	408741	50.0000	49
110	1,3-Dichlorobenzene	146	9.369	9.369	(0.993)	320287	50.0000	48(H)
111	1,4-Dichlorobenzene	146	9.458	9.458	(1.002)	336792	50.0000	48(H)
112	1,2-Dichlorobenzene	146	9.812	9.812	(1.040)	325014	50.0000	48
113	Benzyl Chloride	126	9.674	9.674	(1.025)	102629	50.0000	50
114	1,4-Diethylbenzene	119	9.654	9.654	(2.380)	204430	50.0000	51
115	n-Butylbenzene	91	9.704	9.704	(1.028)	362486	50.0000	40(M)
118	1,2,4,5-Tetramethylbenzene	119	10.353	10.353	(2.552)	392251	50.0000	50
119	1,2-Dibromo-3-chloropropane	75	10.510	10.510	(1.114)	57219	50.0000	50
120	Nitrobenzene	77	11.002	11.002	(1.166)	312111	500.000	500(M)
121	1,2,4-Trichlorobenzene	180	11.101	11.101	(1.176)	181175	50.0000	48
122	Hexachlorobutadiene	225	11.091	11.091	(1.175)	67611	50.0000	40
123	Naphthalene	128	11.376	11.376	(1.205)	673560	50.0000	48(M)
124	1,2,3-Trichlorobenzene	180	11.543	11.543	(1.223)	178217	50.0000	48(M)
$ 125	Bromofluorobenzene	95	8.464	8.464	(0.897)	213086	50.0000	49
M 126	1,2-Dichloroethene (total)	100				339029	100.000	98
M 127	Xylene (total)	100				725307	150.000	150

QC Flag Legend

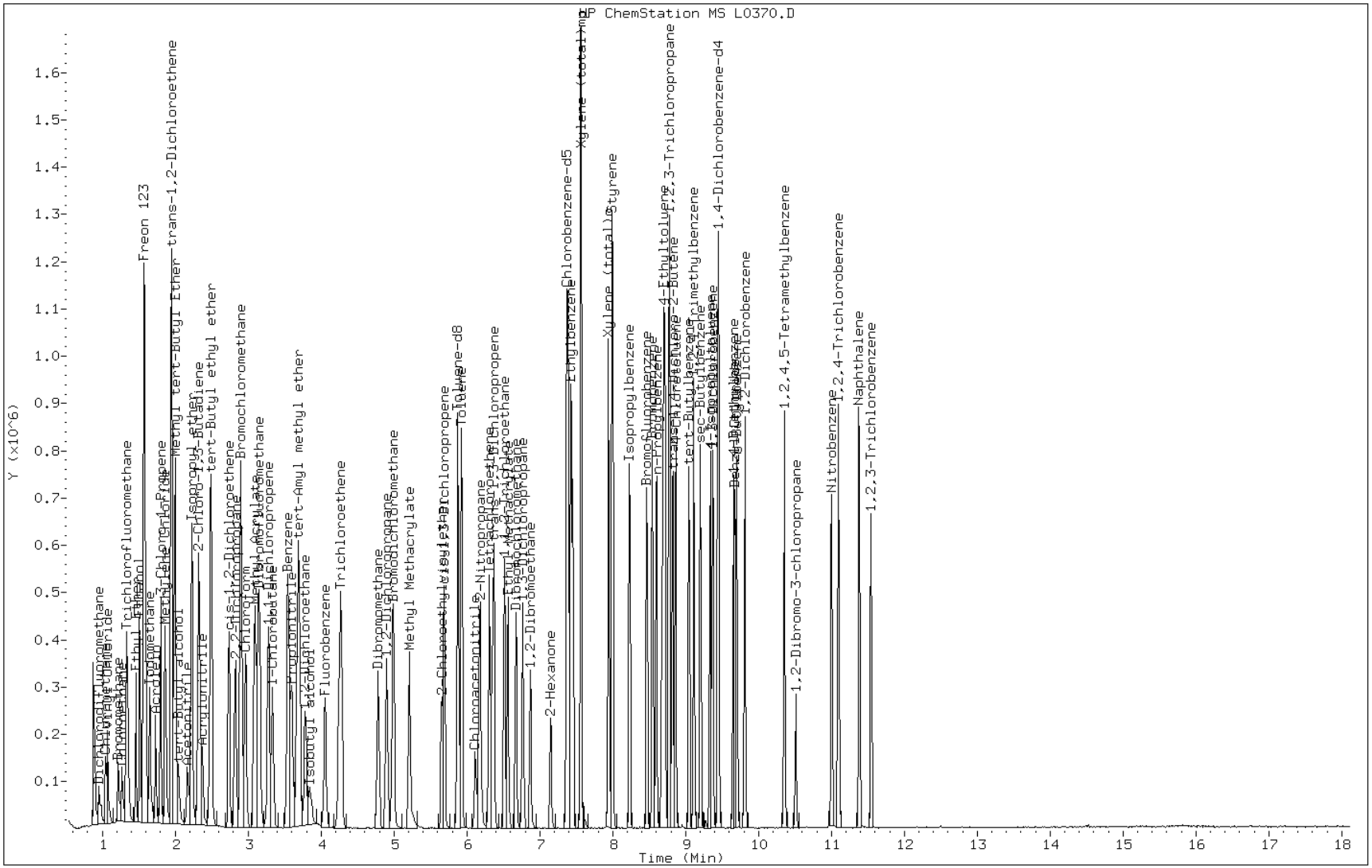
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: L0370.D

Date: 14-JUL-2011 20:14

Client ID: IC;50 Instrument: msl.i

Sample Info: IC;50 Operator: E. LYNCH



Manual Integration Report

Data File: L0370.D
Inj. Date and Time: 14-JUL-2011 20:14
Instrument ID: msl.i
Client ID: IC;50
Compound: 123 Naphthalene
CAS #: 91-20-3
Report Date: 07/26/2011

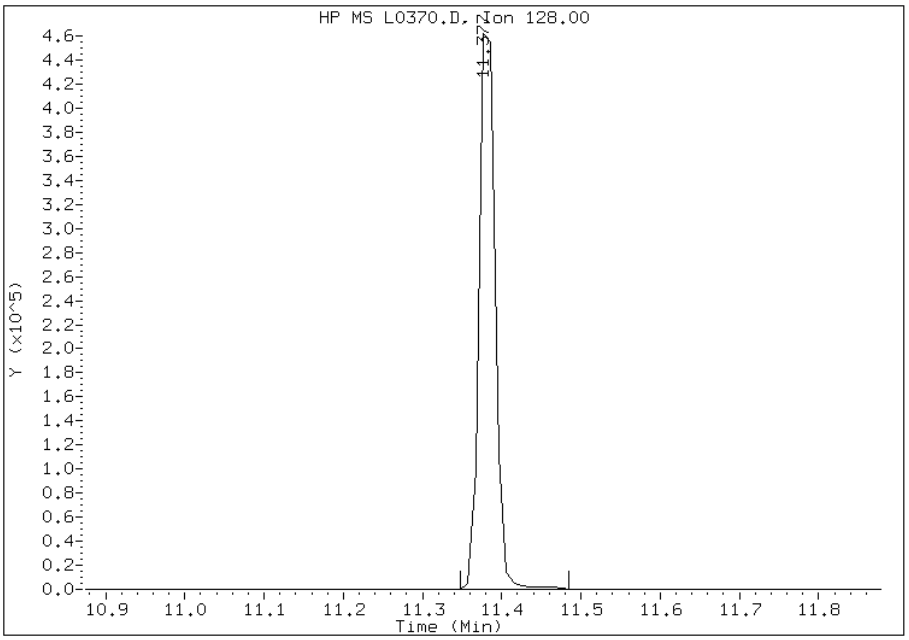
Processing Integration Results

RT: 11.38

Response: 687778

Amount: 49

Conc: 49



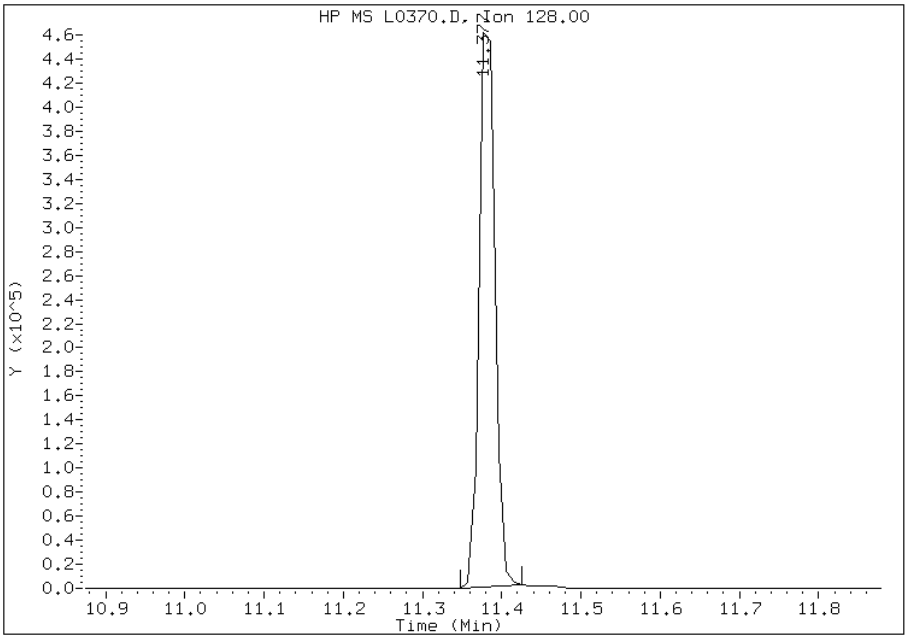
Manual Integration Results

RT: 11.38

Response: 673560

Amount: 48

Conc: 48



Manually Integrated By: eon
Manual Integration Reason:

Manual Integration Report

Data File: L0370.D
Inj. Date and Time: 14-JUL-2011 20:14
Instrument ID: msl.i
Client ID: IC;50
Compound: 54 Isobutyl alcohol
CAS #: 78-83-1
Report Date: 07/26/2011

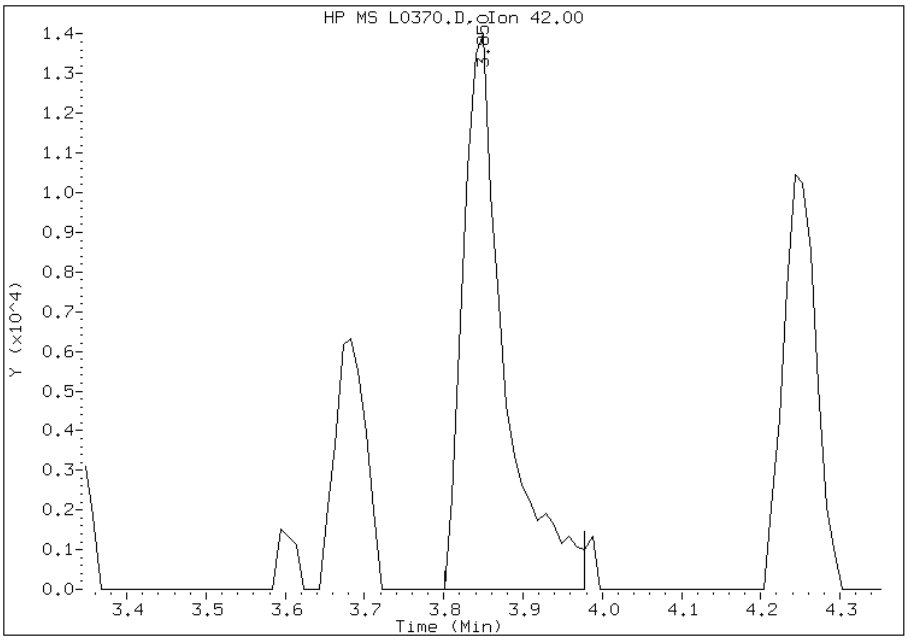
Processing Integration Results

RT: 3.85

Response: 51392

Amount: 524

Conc: 524



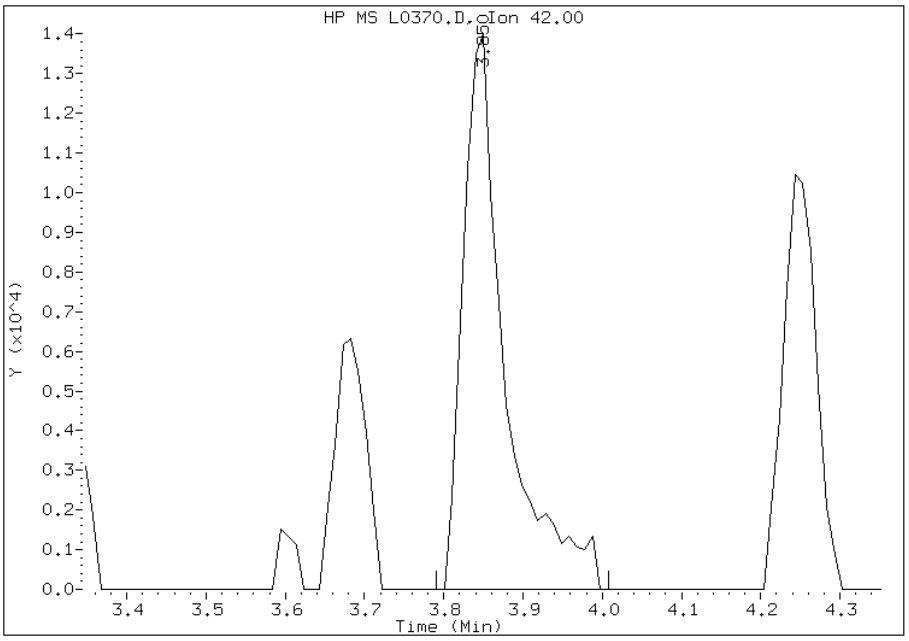
Manual Integration Results

RT: 3.85

Response: 52172

Amount: 539

Conc: 539



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

Manual Integration Report

Data File: L0370.D
Inj. Date and Time: 14-JUL-2011 20:14
Instrument ID: msl.i
Client ID: IC;50
Compound: 105 1,3,5-Trimethylbenzene
CAS #: 108-67-8
Report Date: 07/26/2011

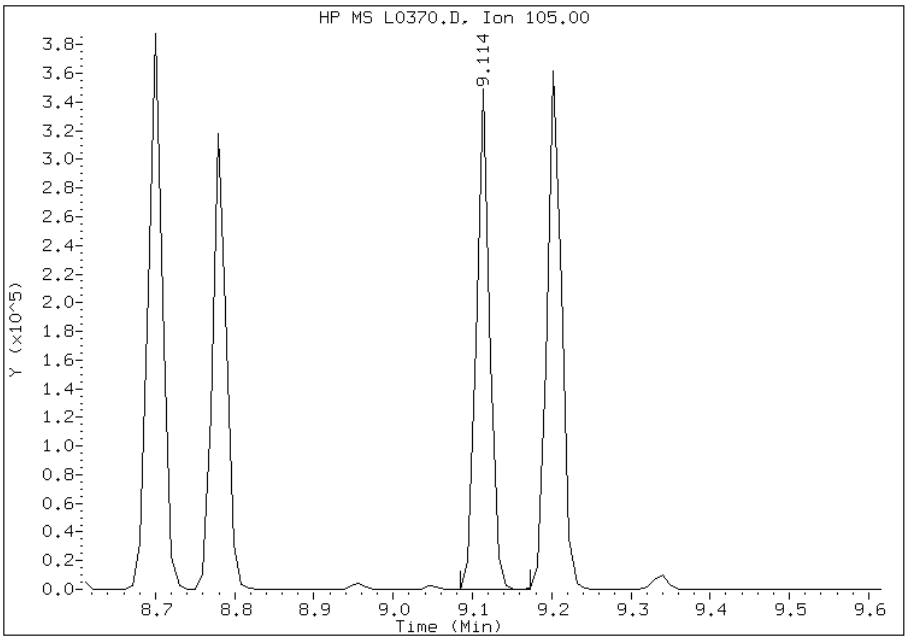
Processing Integration Results

RT: 9.11

Response: 428710

Amount: 49

Conc: 49



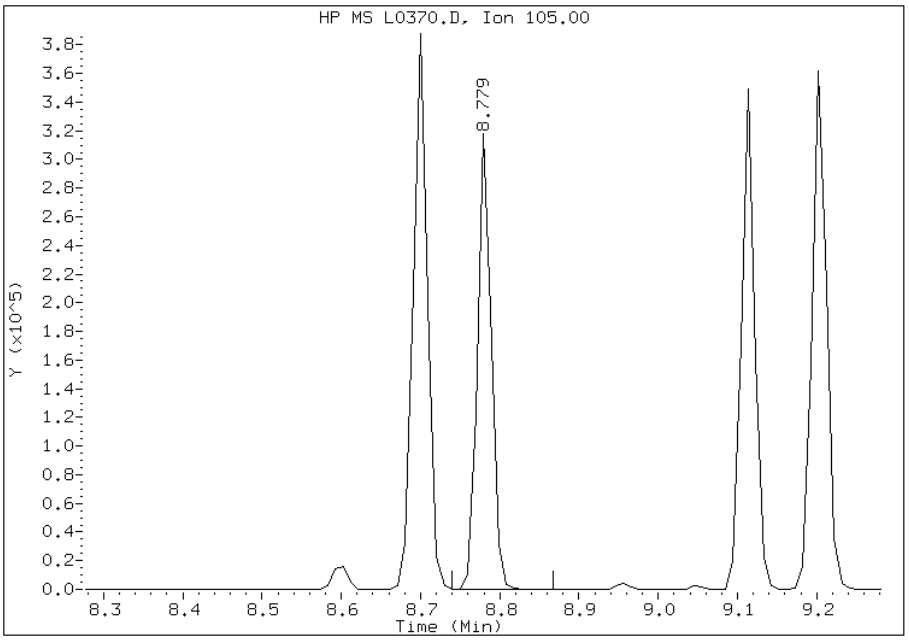
Manual Integration Results

RT: 8.78

Response: 402702

Amount: 50

Conc: 50



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

Manual Integration Report

Data File: L0370.D
Inj. Date and Time: 14-JUL-2011 20:14
Instrument ID: msl.i
Client ID: IC;50
Compound: 39 Ethyl Acetate
CAS #: 141-78-6
Report Date: 07/26/2011

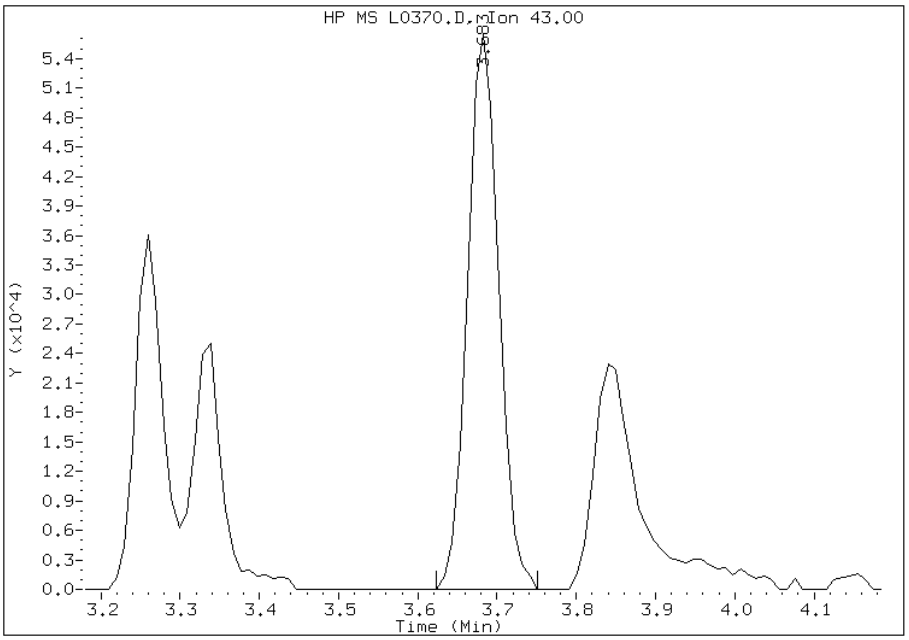
Processing Integration Results

RT: 3.68

Response: 157346

Amount: 97

Conc: 97



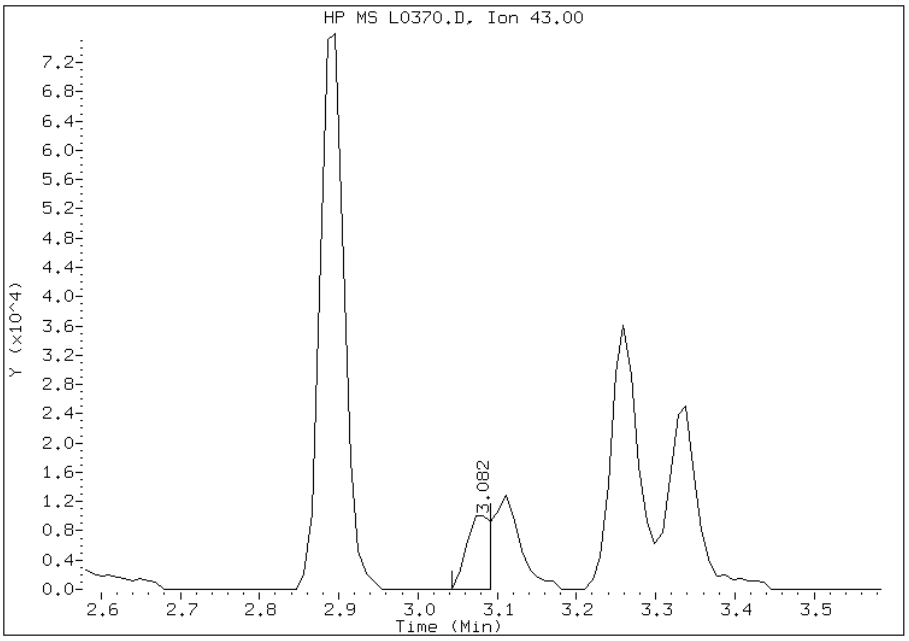
Manual Integration Results

RT: 3.08

Response: 22748

Amount: 100

Conc: 100



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

Manual Integration Report

Data File: L0370.D
Inj. Date and Time: 14-JUL-2011 20:14
Instrument ID: msl.i
Client ID: IC;50
Compound: 23 Methyl Acetate
CAS #: 79-20-9
Report Date: 07/26/2011

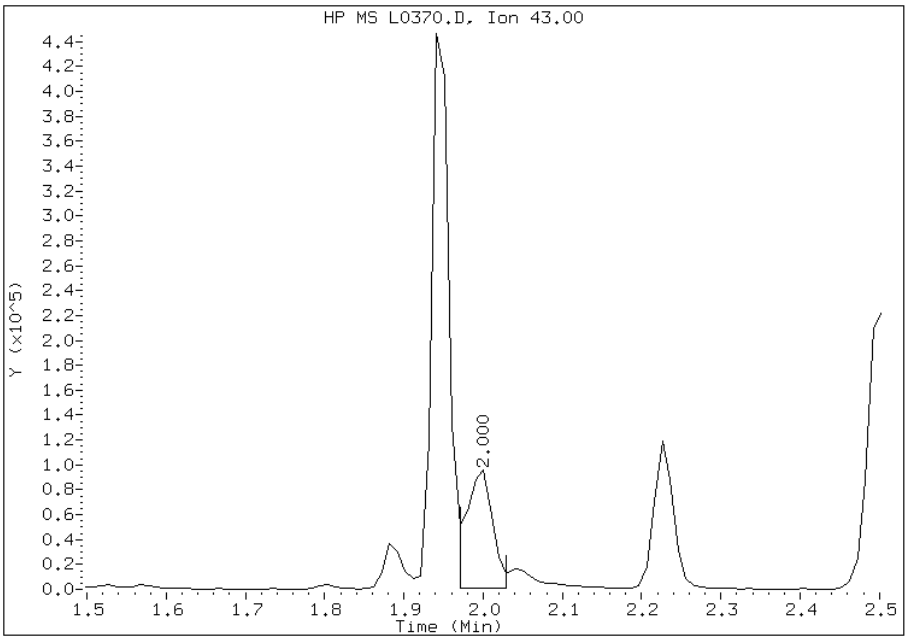
Processing Integration Results

RT: 2.00

Response: 232912

Amount: 51

Conc: 51



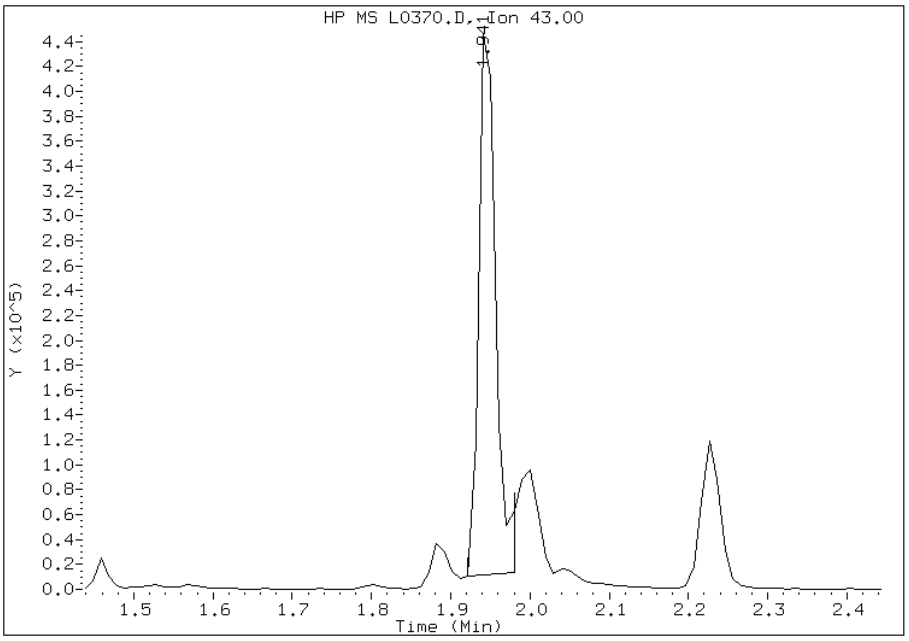
Manual Integration Results

RT: 1.94

Response: 678904

Amount: 51

Conc: 51



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

Manual Integration Report

Data File: L0370.D
Inj. Date and Time: 14-JUL-2011 20:14
Instrument ID: msl.i
Client ID: IC;50
Compound: 120 Nitrobenzene
CAS #: 98-95-3
Report Date: 07/26/2011

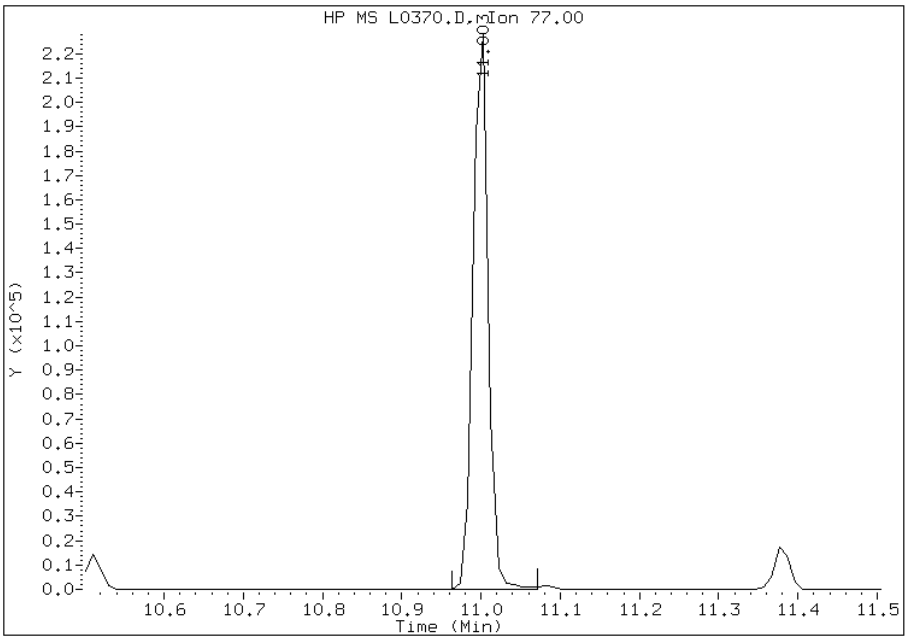
Processing Integration Results

RT: 11.00

Response: 319021

Amount: 510

Conc: 510



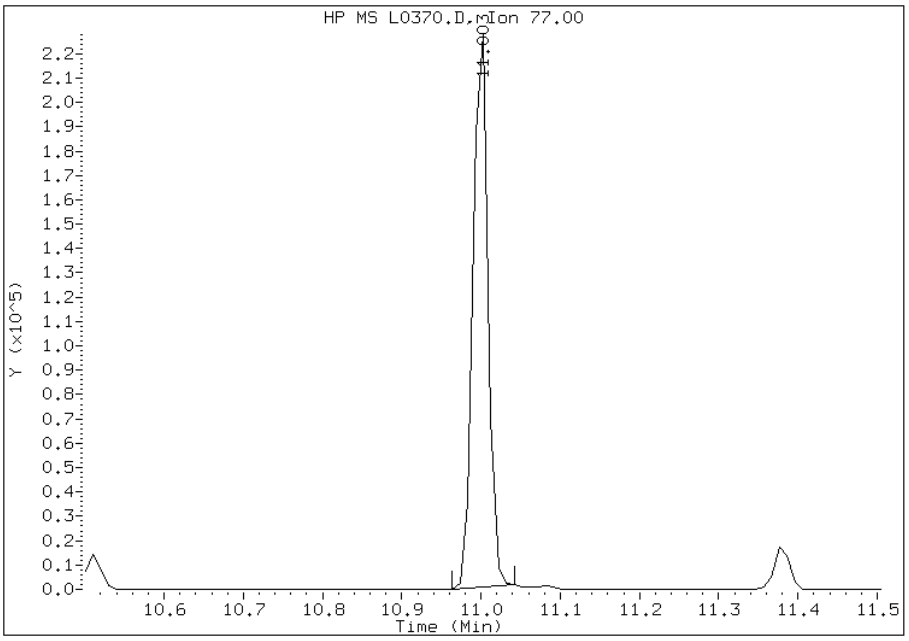
Manual Integration Results

RT: 11.00

Response: 312111

Amount: 501

Conc: 501



Manually Integrated By: eon
Manual Integration Reason:

Manual Integration Report

Data File: L0370.D
Inj. Date and Time: 14-JUL-2011 20:14
Instrument ID: msl.i
Client ID: IC;50
Compound: 53 2-Methyl-2-Propenenitrile
CAS #: 126-98-7
Report Date: 07/26/2011

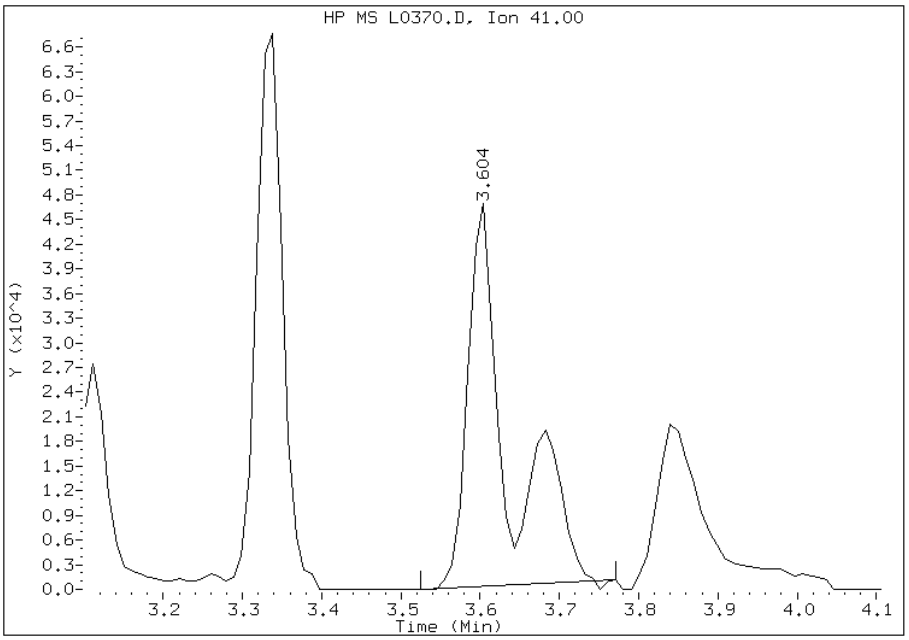
Processing Integration Results

RT: 3.60

Response: 166954

Amount: 71

Conc: 71



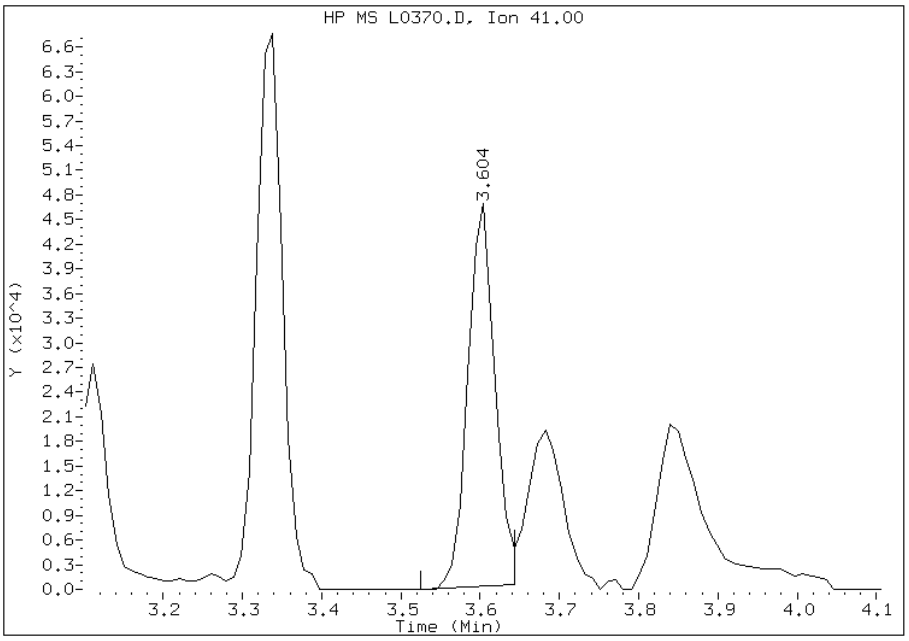
Manual Integration Results

RT: 3.60

Response: 113318

Amount: 48

Conc: 48



Manually Integrated By: eon
Manual Integration Reason:

Manual Integration Report

Data File: L0370.D
Inj. Date and Time: 14-JUL-2011 20:14
Instrument ID: msl.i
Client ID: IC;50
Compound: 115 n-Butylbenzene
CAS #: 104-51-8
Report Date: 07/26/2011

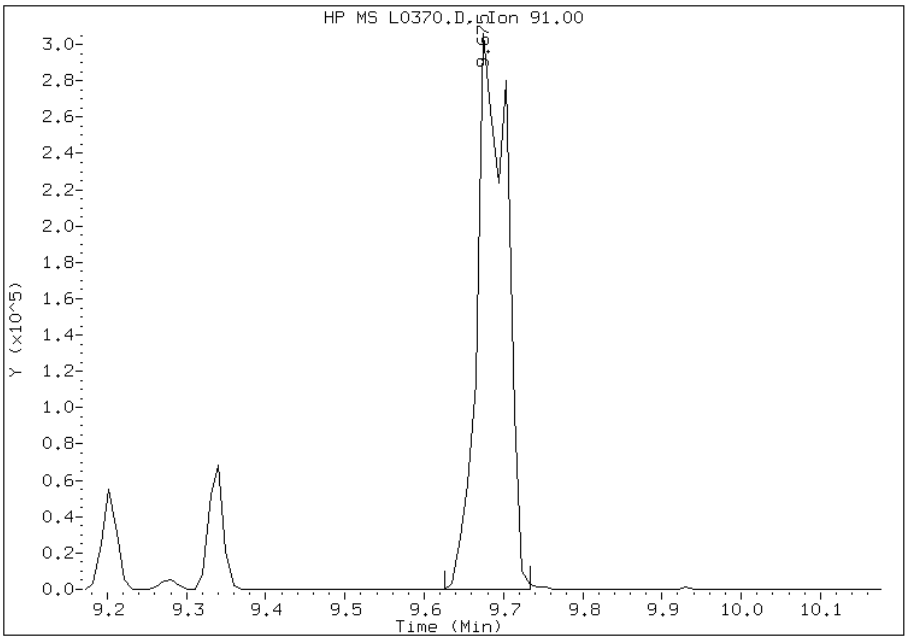
Processing Integration Results

RT: 9.67

Response: 818882

Amount: 49

Conc: 49



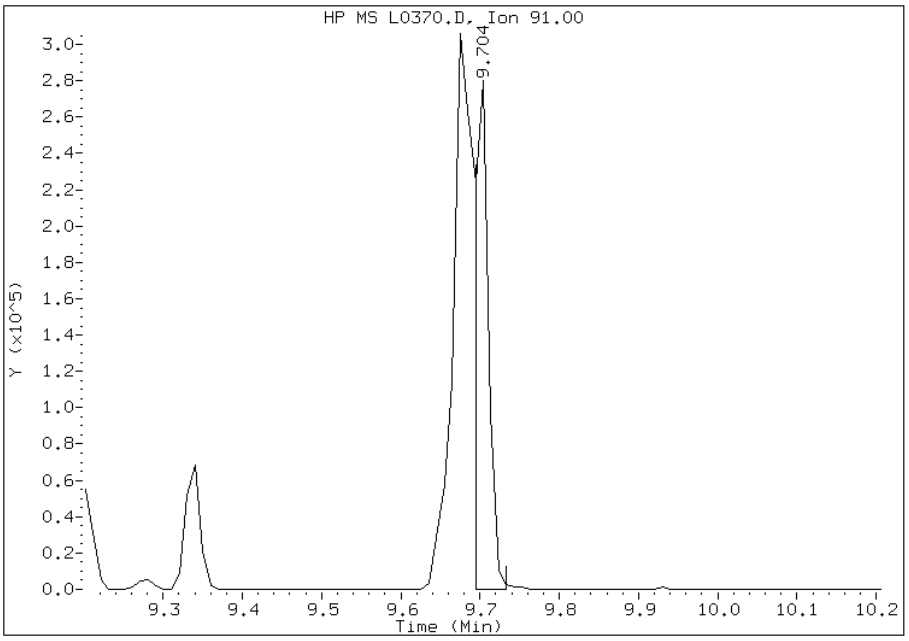
Manual Integration Results

RT: 9.70

Response: 362486

Amount: 40

Conc: 40



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

Manual Integration Report

Data File: L0370.D
Inj. Date and Time: 14-JUL-2011 20:14
Instrument ID: msl.i
Client ID: IC;50
Compound: 124 1,2,3-Trichlorobenzene
CAS #: 87-61-6
Report Date: 07/26/2011

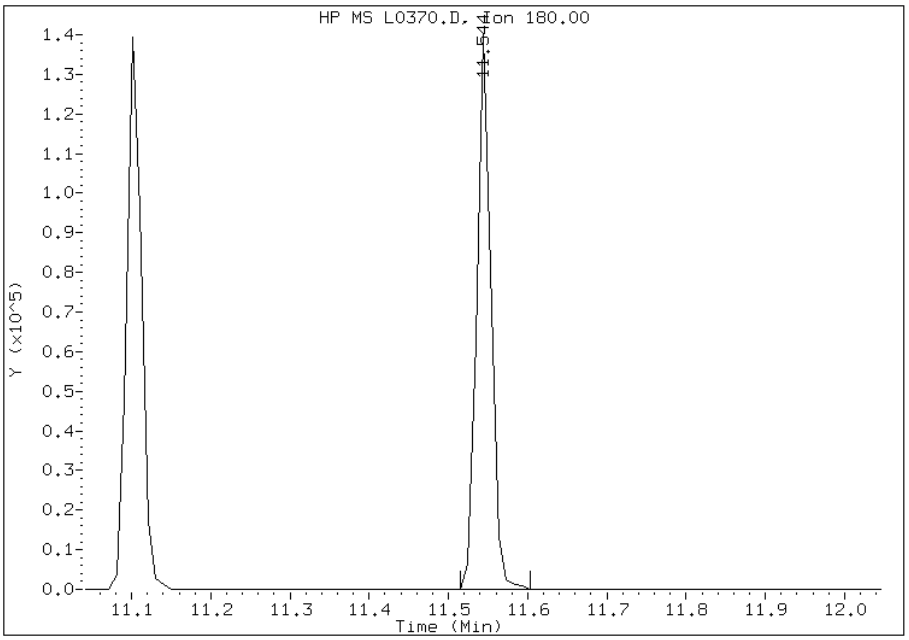
Processing Integration Results

RT: 11.54

Response: 181783

Amount: 48

Conc: 48



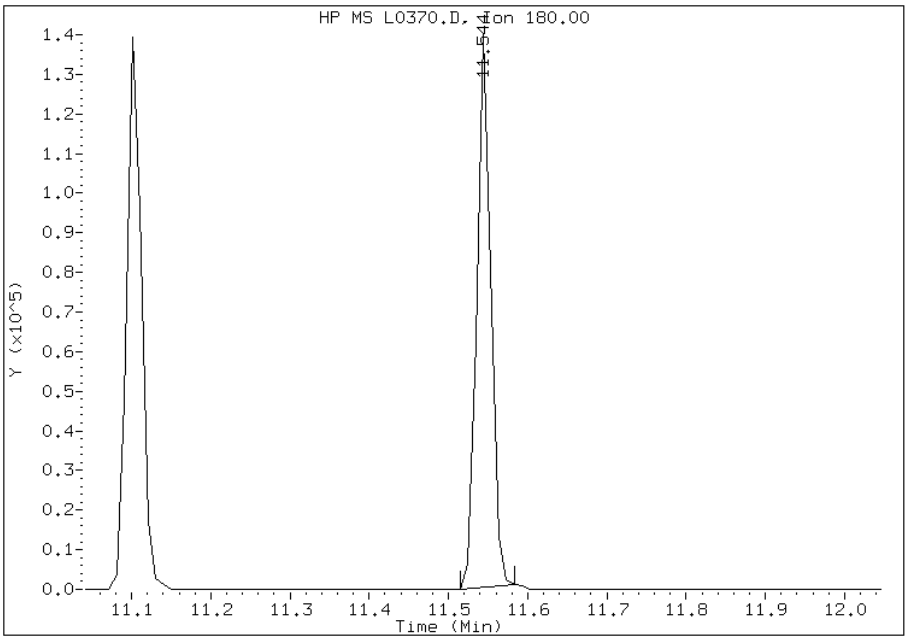
Manual Integration Results

RT: 11.54

Response: 178217

Amount: 48

Conc: 48



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

Manual Integration Report

Data File: L0370.D
Inj. Date and Time: 14-JUL-2011 20:14
Instrument ID: msl.i
Client ID: IC;50
Compound: 107 1,2,4-Trimethylbenzene
CAS #: 95-63-6
Report Date: 07/26/2011

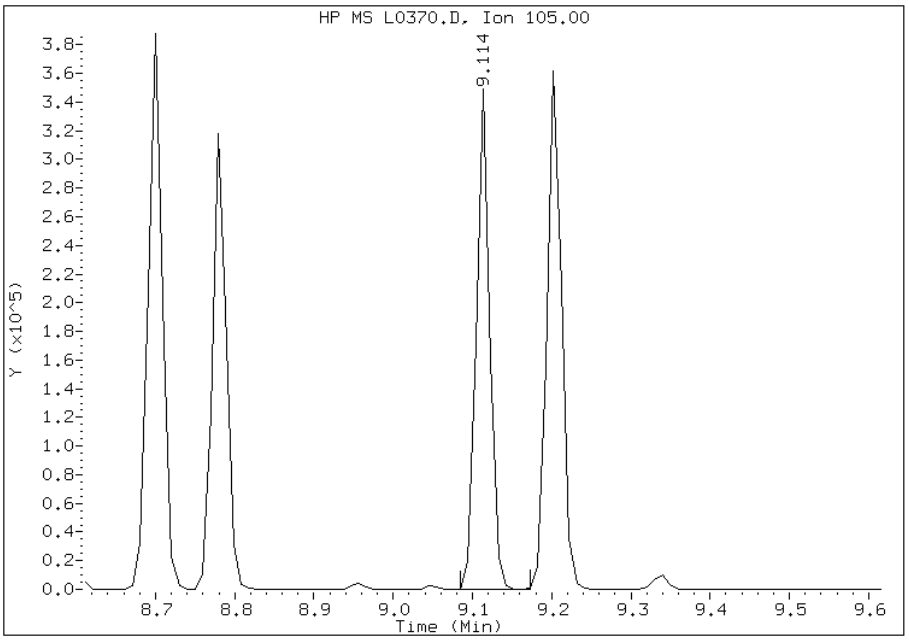
Processing Integration Results

RT: 9.11

Response: 428710

Amount: 49

Conc: 49



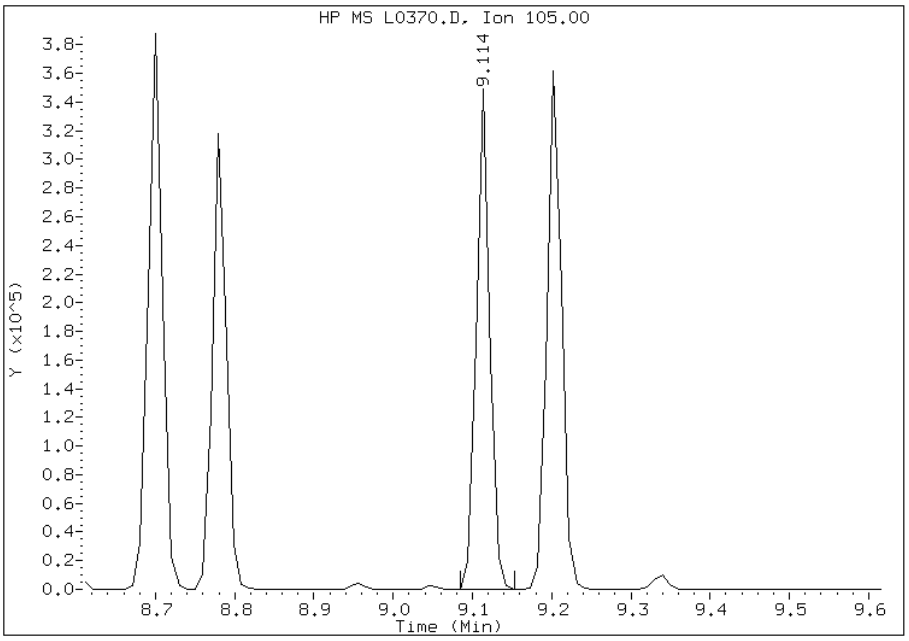
Manual Integration Results

RT: 9.11

Response: 428009

Amount: 49

Conc: 49



Manually Integrated By: eon
Manual Integration Reason:

Manual Integration Report

Data File: L0370.D
Inj. Date and Time: 14-JUL-2011 20:14
Instrument ID: msl.i
Client ID: IC;50
Compound: 45 2-Butanone
CAS #: 78-93-3
Report Date: 07/26/2011

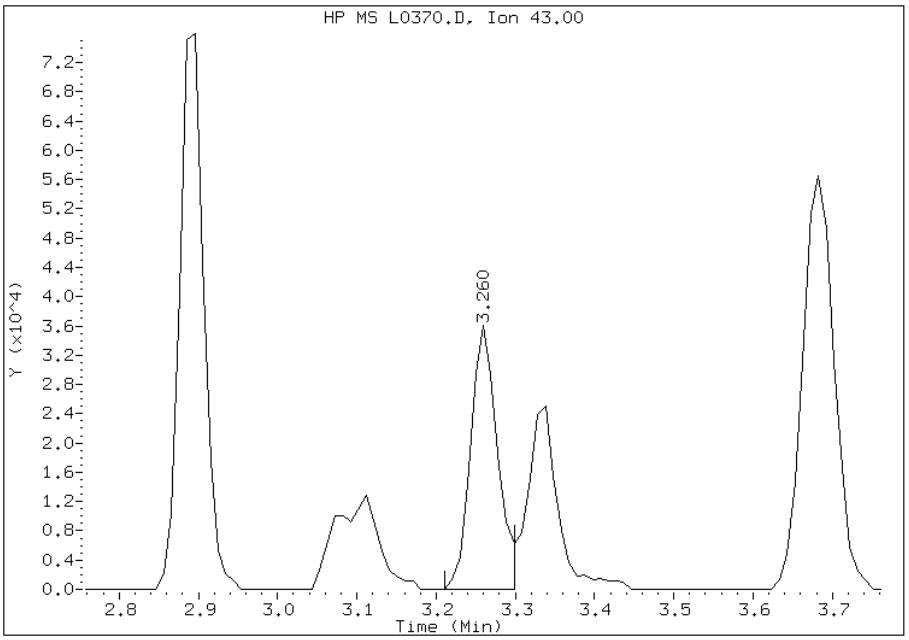
Processing Integration Results

RT: 3.26

Response: 86824

Amount: 49

Conc: 49



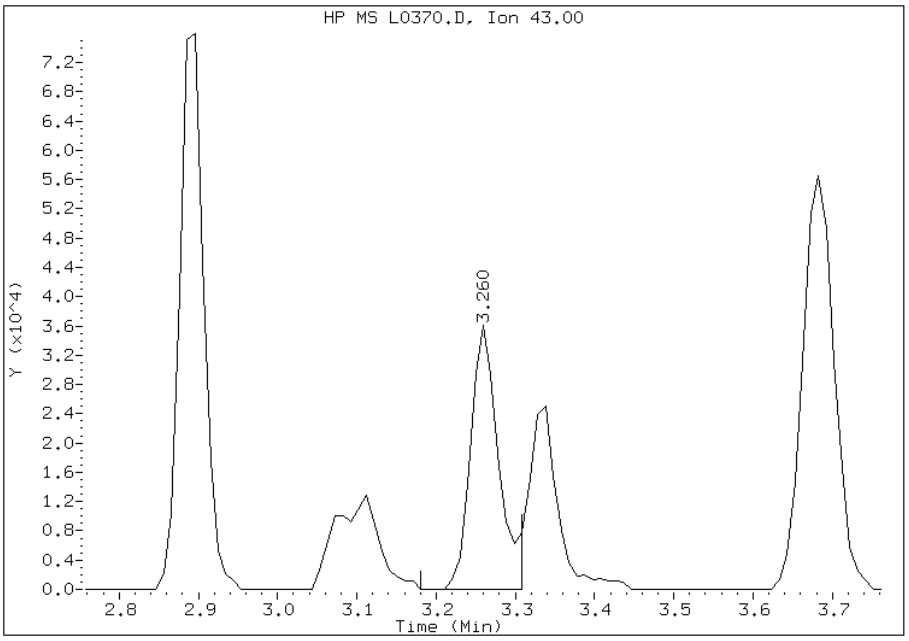
Manual Integration Results

RT: 3.26

Response: 91355

Amount: 51

Conc: 51



Manually Integrated By: eon
Manual Integration Reason:

Manual Integration Report

Data File: L0370.D
Inj. Date and Time: 14-JUL-2011 20:14
Instrument ID: msl.i
Client ID: IC;50
Compound: 73 trans-1,3-Dichloropropene
CAS #: 10061-02-6
Report Date: 07/26/2011

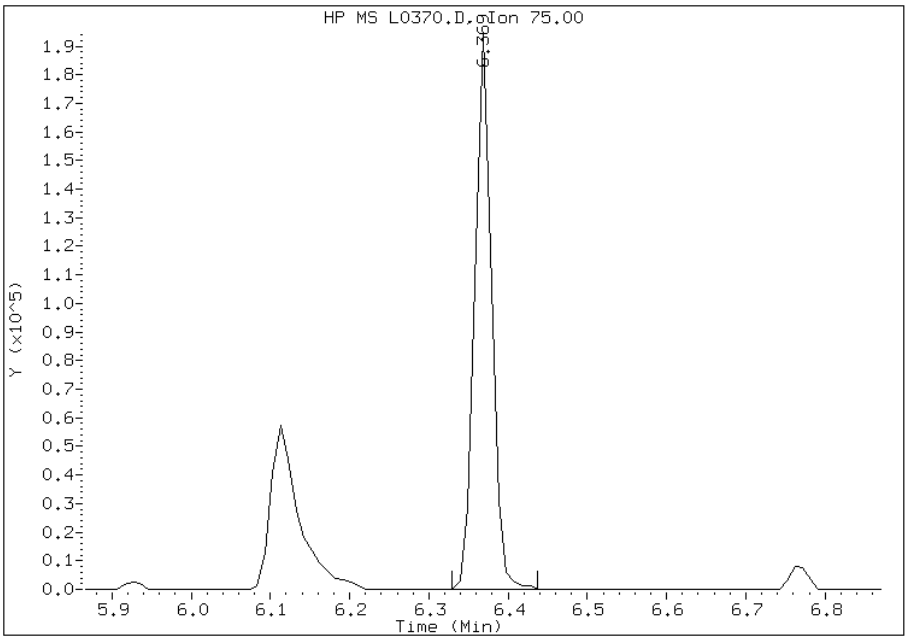
Processing Integration Results

RT: 6.37

Response: 298875

Amount: 49

Conc: 49



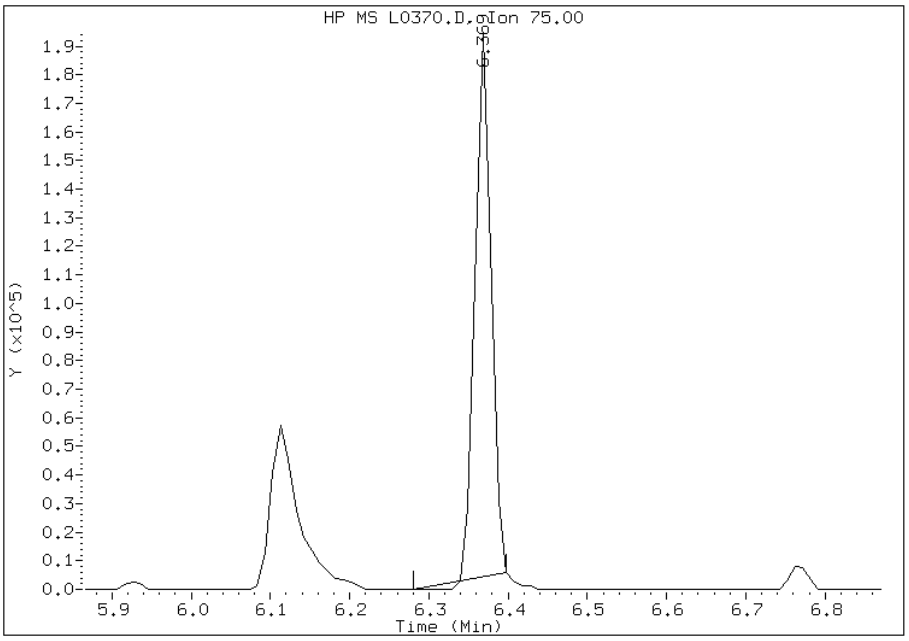
Manual Integration Results

RT: 6.37

Response: 273274

Amount: 46

Conc: 46



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

Manual Integration Report

Data File: L0370.D
Inj. Date and Time: 14-JUL-2011 20:14
Instrument ID: msl.i
Client ID: IC;50
Compound: 87 1-Chlorohexane
CAS #: 544-10-5
Report Date: 07/26/2011

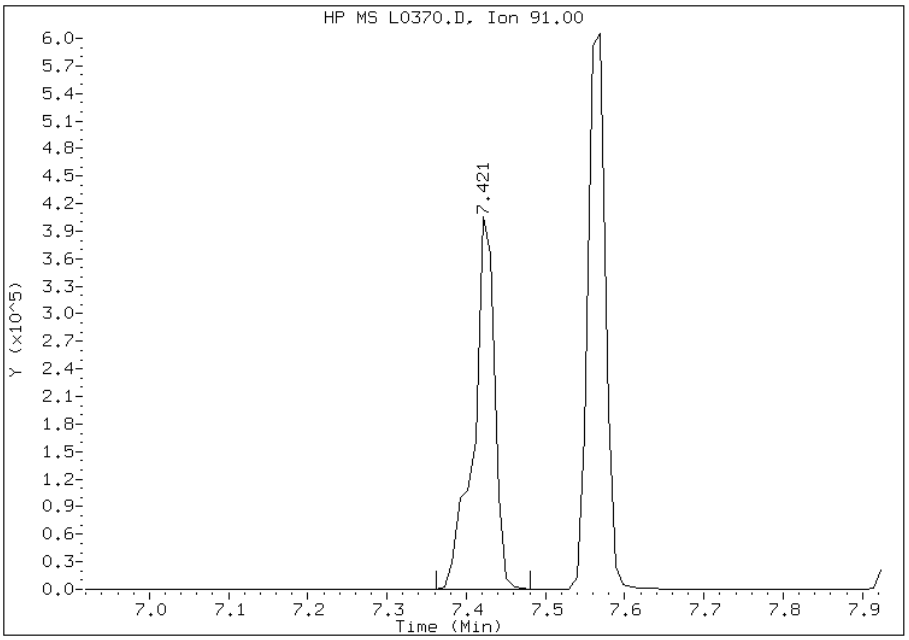
Processing Integration Results

RT: 7.42

Response: 762503

Amount: 49

Conc: 49



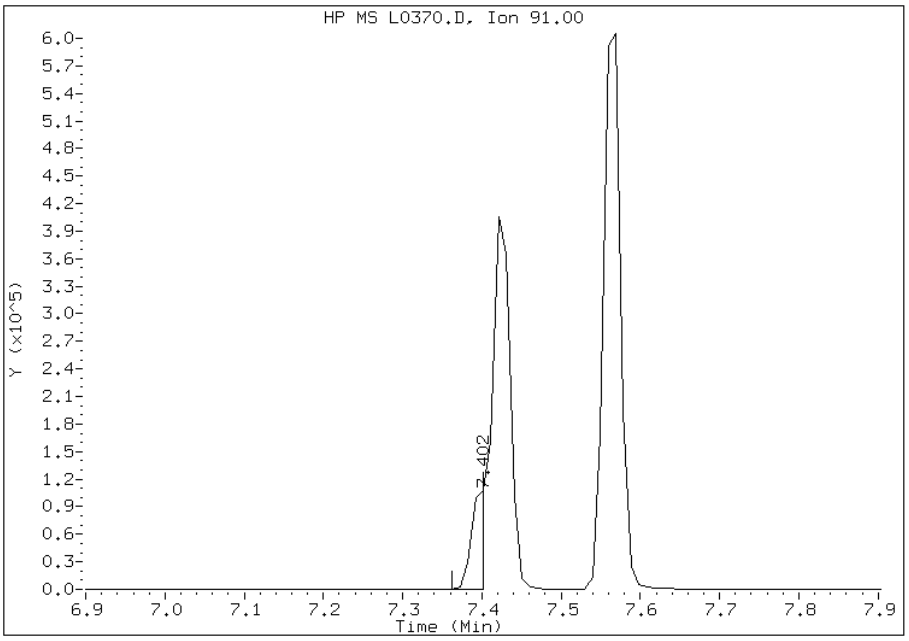
Manual Integration Results

RT: 7.40

Response: 141466

Amount: 46

Conc: 46



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

Manual Integration Report

Data File: L0370.D
Inj. Date and Time: 14-JUL-2011 20:14
Instrument ID: msl.i
Client ID: IC;50
Compound: 18 2-Propanol
CAS #: 67-63-0
Report Date: 07/26/2011

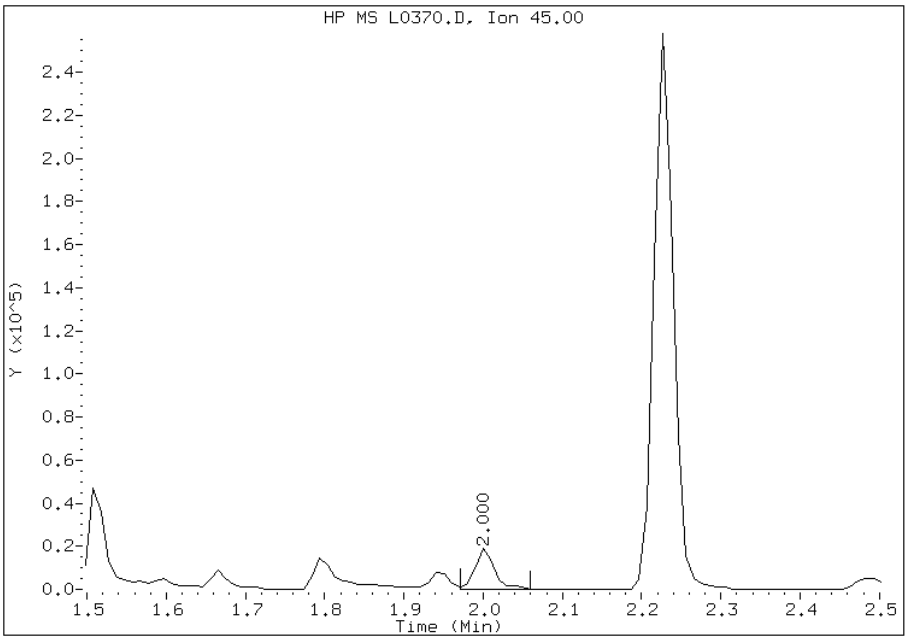
Processing Integration Results

RT: 2.00

Response: 33405

Amount: 55

Conc: 55



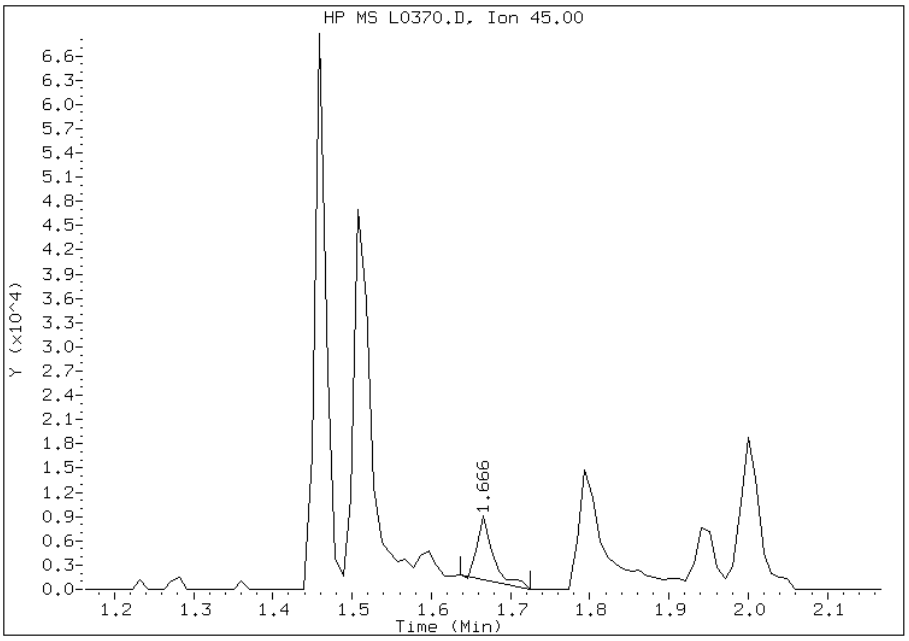
Manual Integration Results

RT: 1.67

Response: 11342

Amount: 48

Conc: 48



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

Manual Integration Report

Data File: L0370.D
Inj. Date and Time: 14-JUL-2011 20:14
Instrument ID: msl.i
Client ID: IC;50
Compound: 71 Chloroacetonitrile
CAS #: 107-14-2
Report Date: 07/26/2011

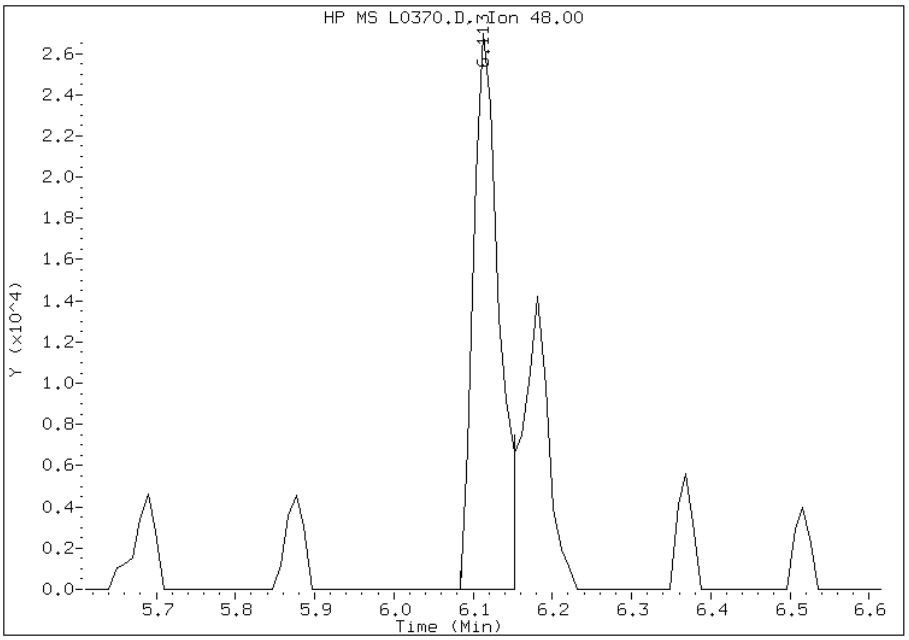
Processing Integration Results

RT: 6.11

Response: 62808

Amount: 506

Conc: 506



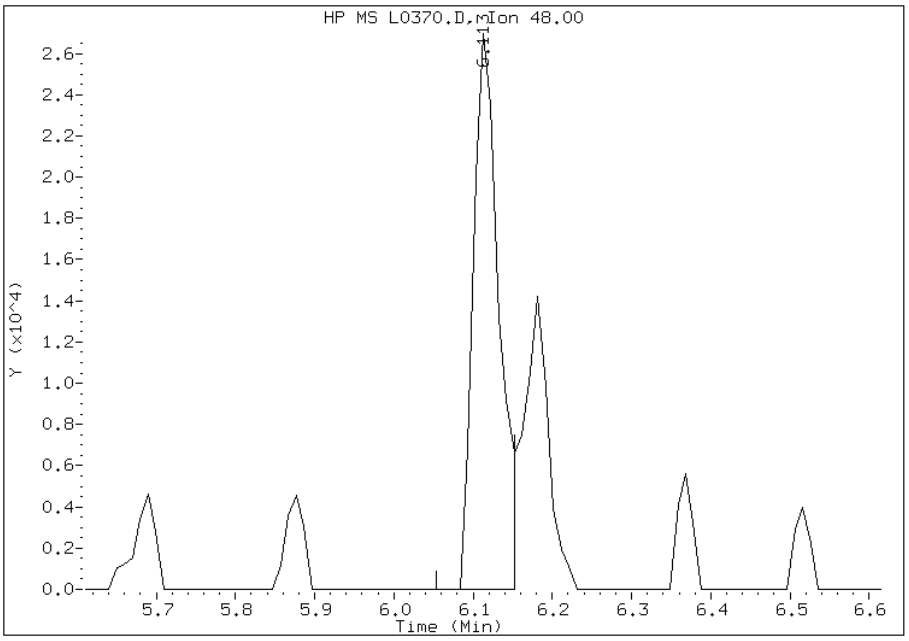
Manual Integration Results

RT: 6.11

Response: 62804

Amount: 515

Conc: 515



Manually Integrated By: larryd
Manual Integration Reason:

Manual Integration Report

Data File: L0370.D
Inj. Date and Time: 14-JUL-2011 20:14
Instrument ID: msl.i
Client ID: IC;50
Compound: 25 tert-Butyl alcohol
CAS #: 75-65-0
Report Date: 07/26/2011

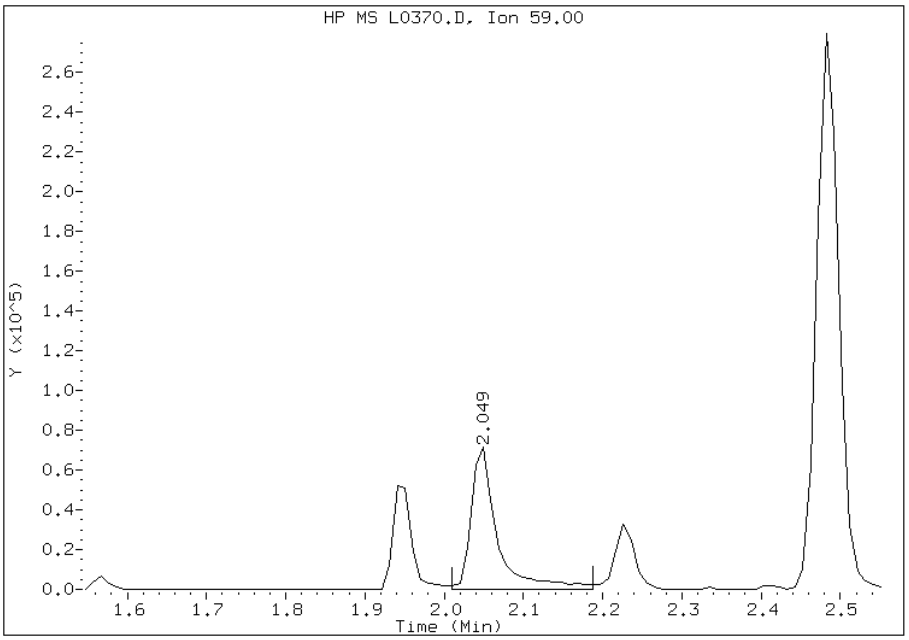
Processing Integration Results

RT: 2.05

Response: 167473

Amount: 273

Conc: 273



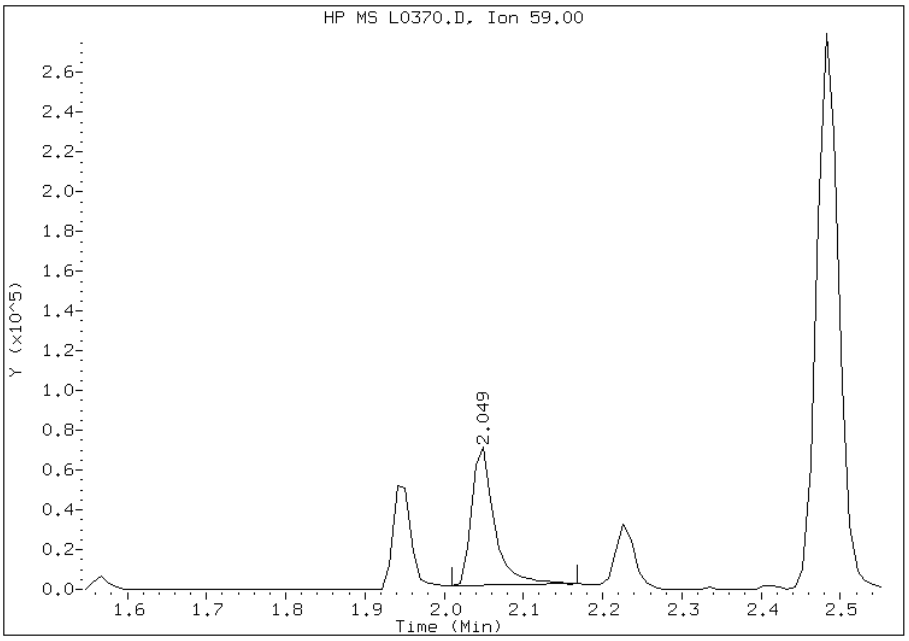
Manual Integration Results

RT: 2.05

Response: 140966

Amount: 240

Conc: 240



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

STL-INC

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msl.i\L110361.b\L0371.D
Lab Smp Id: IC;20 Client Smp ID: IC;20
Inj Date : 14-JUL-2011 20:38 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : IC;20
Misc Info : LLW
Comment :
Method : \\consvr05\files\Chem\VOA\msl.i\L110361.b\L8260BNW.m
Meth Date : 26-Jul-2011 14:31 msl.i Quant Type: ISTD
Cal Date : 14-JUL-2011 20:38 Cal File: L0371.D
Als bottle: 11 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	4.057	4.057	(1.000)	329770	25.0000	
2	Dichlorodifluoromethane	85	0.958	0.958	(0.236)	36021	20.0000	18
3	Chloromethane	50	1.046	1.046	(0.258)	46265	20.0000	18
4	Vinyl Chloride	62	1.076	1.076	(0.265)	45680	20.0000	18
5	Bromomethane	94	1.223	1.223	(0.302)	32930	20.0000	22
6	Chloroethane	64	1.272	1.272	(0.314)	36953	20.0000	25
7	Trichlorofluoromethane	101	1.331	1.331	(0.328)	67451	20.0000	19
8	Dichlorofluoromethane	67	1.351	1.351	(0.333)	90589	20.0000	18
9	Ethyl Ether	45	1.459	1.459	(0.360)	27912	20.0000	19
10	Ethanol	45	1.509	1.509	(0.372)	25913	200.000	180(M)
12	Freon 123	67	1.577	1.577	(0.389)	15405	20.0000	19(M)
13	Trichlorotrifluoroethane	101	1.577	1.577	(0.389)	44440	20.0000	17
14	1,1-Dichloroethene	96	1.568	1.568	(0.386)	41504	20.0000	17
15	Carbon Disulfide	76	1.597	1.597	(0.394)	157686	20.0000	17
16	Iodomethane	142	1.646	1.646	(0.406)	109156	20.0000	19
17	Acrolein	56	1.735	1.735	(0.428)	60596	100.000	100
18	2-Propanol	45	1.666	1.666	(0.411)	5647	20.0000	24(MH)
19	3-Chloro-1-Propene	41	1.804	1.804	(0.445)	67418	20.0000	19
20	Methylene Chloride	84	1.863	1.863	(0.459)	71041	20.0000	19
21	Acetone	43	1.882	1.882	(0.464)	29393	20.0000	24
22	trans-1,2-Dichloroethene	96	1.951	1.951	(0.481)	56227	20.0000	18
23	Methyl Acetate	43	1.951	1.951	(0.481)	266095	20.0000	20(M)
24	Methyl tert-Butyl Ether	73	2.001	2.001	(0.493)	226677	20.0000	20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
25	tert-Butyl alcohol	59	2.050	2.050	(0.505)	55174	100.000	100(M)
26	Acetonitrile	41	2.168	2.168	(0.534)	57464	200.000	200
27	Isopropyl ether	45	2.227	2.227	(0.549)	167025	20.0000	19
28	tert-Butyl ethyl ether	59	2.483	2.483	(0.612)	208674	20.0000	19
29	2-Chloro-1,3-Butadiene	88	2.315	2.315	(0.571)	47390	20.0000	17
30	Acrylonitrile	53	2.374	2.374	(0.585)	54351	40.0000	42
31	1,1-Dichloroethane	63	2.335	2.335	(0.576)	101287	20.0000	18
32	Vinyl Acetate	43	2.502	2.502	(0.617)	168499	20.0000	20
33	cis-1,2-Dichloroethene	96	2.738	2.738	(0.675)	68904	20.0000	19
34	2,2-Dichloropropane	77	2.827	2.827	(0.697)	89475	20.0000	17
35	Bromochloromethane	128	2.906	2.906	(0.716)	47189	20.0000	20
37	Cyclohexane	84	2.906	2.906	(0.716)	48782	20.0000	17
38	Chloroform	83	2.965	2.965	(0.731)	116741	20.0000	18
39	Ethyl Acetate	43	3.073	3.073	(0.758)	9127	40.0000	41(M)
40	Methyl Acrylate	55	3.083	3.083	(0.760)	69303	20.0000	20
$ 41	Dibromofluoromethane	111	3.142	3.142	(0.774)	77285	20.0000	19
42	Tetrahydrofuran	42	3.112	3.112	(0.767)	45814	40.0000	41
43	Carbon Tetrachloride	117	3.093	3.093	(0.762)	67719	20.0000	18
44	1,1,1-Trichloroethane	97	3.162	3.162	(0.779)	81241	20.0000	17
45	2-Butanone	43	3.260	3.260	(0.804)	36648	20.0000	21
46	1,1-Dichloropropene	75	3.280	3.280	(0.808)	72615	20.0000	17
47	tert-Amyl methyl ether	73	3.683	3.683	(0.908)	203552	20.0000	19
49	1-Chlorobutane	56	3.339	3.339	(0.823)	93606	20.0000	17
50	Heptane	43	3.683	3.683	(0.908)	63715	20.0000	20
51	Propionitrile	54	3.575	3.575	(0.881)	118657	200.000	220
52	Benzene	78	3.545	3.545	(0.874)	206333	20.0000	18
53	2-Methyl-2-Propenenitrile	41	3.604	3.604	(0.888)	47729	20.0000	20(M)
54	Isobutyl alcohol	42	3.850	3.850	(0.949)	20429	200.000	210
$ 55	1,2-Dichloroethane-d4	65	3.703	3.703	(0.913)	94603	20.0000	20
56	1,2-Dichloroethane	62	3.781	3.781	(0.932)	104651	20.0000	19
59	Methyl Cyclohexane	83	4.254	4.254	(1.048)	53358	20.0000	19
60	Trichloroethene	130	4.273	4.273	(1.053)	69343	20.0000	18
63	Dibromomethane	93	4.785	4.785	(1.179)	52569	20.0000	20
64	1,2-Dichloropropane	63	4.903	4.903	(1.209)	56501	20.0000	19(T)
65	Bromodichloromethane	83	4.992	4.992	(1.230)	93035	20.0000	18
176	Ethyl acrylate	55	4.982	4.982	(1.228)	112663	20.0000	21(A)
66	Methyl Methacrylate	69	5.208	5.208	(1.284)	59683	20.0000	20
67	1,4-Dioxane	58	5.228	5.228	(1.289)	8130	200.000	220
69	2-Chloroethylvinylether	63	5.661	5.661	(1.395)	48709	20.0000	19
70	cis-1,3-Dichloropropene	75	5.690	5.690	(1.403)	108836	20.0000	19
71	Chloroacetonitrile	48	6.113	6.113	(1.507)	28005	200.000	200(H)
72	2-Nitropropane	41	6.172	6.172	(1.521)	56396	40.0000	42
73	trans-1,3-Dichloropropene	75	6.369	6.369	(1.570)	115753	20.0000	20(H)
74	1,1,2-Trichloroethane	97	6.517	6.517	(1.606)	62833	20.0000	19
* 75	Chlorobenzene-d5	117	7.363	7.363	(1.000)	332880	25.0000	
76	Toluene	91	5.926	5.926	(0.805)	216794	20.0000	18
$ 77	Toluene-d8	98	5.877	5.877	(0.798)	201795	20.0000	18
78	1,1-Dichloro-2-propanone	43	6.182	6.182	(0.840)	222606	100.000	100(M)
79	4-Methyl-2-Pentanone	43	6.340	6.340	(0.861)	75894	20.0000	20
80	Tetrachloroethene	164	6.310	6.310	(0.857)	46615	20.0000	17
81	Ethyl Methacrylate	69	6.566	6.566	(0.892)	92347	20.0000	20
82	Dibromochloromethane	129	6.674	6.674	(0.906)	91084	20.0000	18
83	1,3-Dichloropropane	76	6.763	6.763	(0.918)	109843	20.0000	19
84	1,2-Dibromoethane	107	6.871	6.871	(0.933)	82096	20.0000	19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
86	2-Hexanone	43	7.146	7.146	(0.971)	56776	20.0000	20
87	1-Chlorohexane	91	7.402	7.402	(1.005)	49900	20.0000	16(M)
88	Chlorobenzene	112	7.382	7.382	(1.003)	160136	20.0000	18
89	1,1,1,2-Tetrachloroethane	131	7.451	7.451	(1.012)	70148	20.0000	18(M)
90	Ethylbenzene	106	7.422	7.422	(1.008)	68957	20.0000	18
91	Xylene (total)mp	106	7.560	7.560	(1.027)	173489	40.0000	36
92	Xylene (total)o	106	7.943	7.943	(1.079)	88000	20.0000	18
93	Styrene	104	7.992	7.992	(1.086)	160447	20.0000	18
94	Bromoform	173	8.002	8.002	(1.087)	66948	20.0000	19
* 95	1,4-Dichlorobenzene-d4	152	9.439	9.439	(1.000)	176723	25.0000	
96	Isopropylbenzene	105	8.229	8.229	(0.872)	164144	20.0000	17
97	Bromobenzene	156	8.543	8.543	(0.905)	82428	20.0000	18
98	1,1,2,2-Tetrachloroethane	83	8.671	8.671	(0.919)	96908	20.0000	20
99	4-Ethyltoluene	105	8.701	8.701	(0.922)	171103	20.0000	17(H)
100	1,2,3-Trichloropropane	110	8.770	8.770	(0.929)	30603	20.0000	19
101	trans-1,4-Dichloro-2-Butene	53	8.819	8.819	(0.934)	51613	40.0000	39
102	n-Propylbenzene	91	8.593	8.593	(0.910)	190802	20.0000	17(H)
103	2-Chlorotoluene	91	8.711	8.711	(0.923)	154521	20.0000	18(H)
104	4-Chlorotoluene	91	8.858	8.858	(0.939)	151771	20.0000	18
105	1,3,5-Trimethylbenzene	105	8.780	8.780	(0.930)	143633	20.0000	18(M)
106	tert-Butylbenzene	119	9.045	9.045	(0.958)	119938	20.0000	18(H)
107	1,2,4-Trimethylbenzene	105	9.114	9.114	(0.966)	148653	20.0000	17
108	sec-Butylbenzene	105	9.203	9.203	(0.975)	168467	20.0000	18
109	4-Isopropyltoluene	119	9.340	9.340	(0.990)	145841	20.0000	18
110	1,3-Dichlorobenzene	146	9.370	9.370	(0.993)	118429	20.0000	18(H)
111	1,4-Dichlorobenzene	146	9.449	9.449	(1.001)	125294	20.0000	18(H)
112	1,2-Dichlorobenzene	146	9.813	9.813	(1.040)	122178	20.0000	18
113	Benzyl Chloride	126	9.675	9.675	(1.025)	37492	20.0000	19
114	1,4-Diethylbenzene	119	9.655	9.655	(2.380)	72648	20.0000	18
115	n-Butylbenzene	91	9.704	9.704	(1.028)	186705	20.0000	21(M)
118	1,2,4,5-Tetramethylbenzene	119	10.354	10.354	(2.552)	151662	20.0000	20
119	1,2-Dibromo-3-chloropropane	75	10.511	10.511	(1.114)	23085	20.0000	21
120	Nitrobenzene	77	11.003	11.003	(1.166)	129388	200.000	210
121	1,2,4-Trichlorobenzene	180	11.102	11.102	(1.176)	73338	20.0000	20
122	Hexachlorobutadiene	225	11.092	11.092	(1.175)	35225	20.0000	22
123	Naphthalene	128	11.377	11.377	(1.205)	275323	20.0000	20(M)
124	1,2,3-Trichlorobenzene	180	11.544	11.544	(1.223)	71175	20.0000	19
$ 125	Bromofluorobenzene	95	8.465	8.465	(0.897)	77352	20.0000	18
M 126	1,2-Dichloroethene (total)	100				125131	40.0000	37
M 127	Xylene (total)	100				261489	60.0000	54

QC Flag Legend

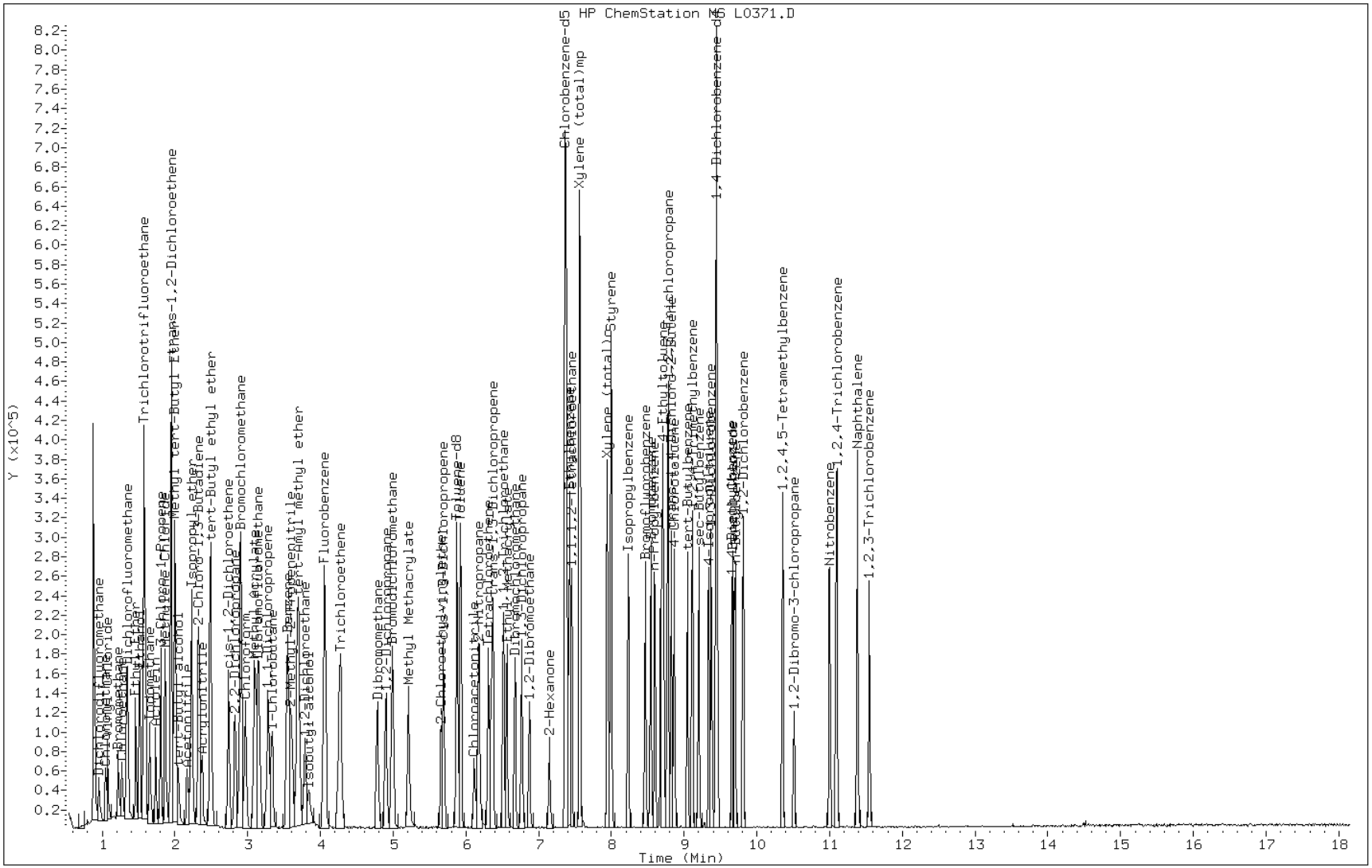
T - Target compound detected outside RT window.
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: L0371.D

Date: 14-JUL-2011 20:38

Client ID: IC;20 Instrument: msl.i

Sample Info: IC;20 Operator: E. LYNCH



Manual Integration Report

Data File: L0371.D
Inj. Date and Time: 14-JUL-2011 20:38
Instrument ID: msl.i
Client ID: IC;20
Compound: 105 1,3,5-Trimethylbenzene
CAS #: 108-67-8
Report Date: 07/26/2011

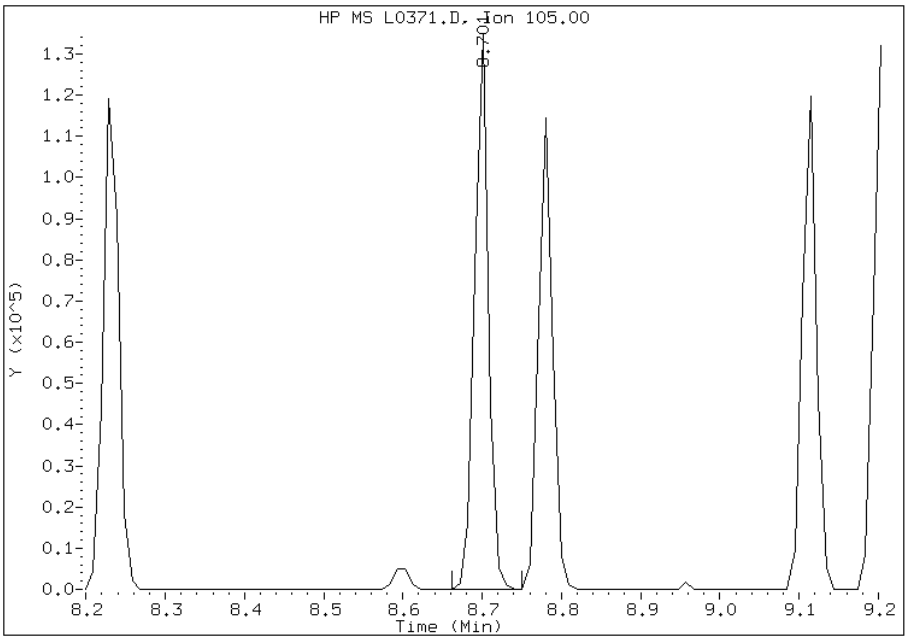
Processing Integration Results

RT: 8.70

Response: 171103

Amount: 17

Conc: 17



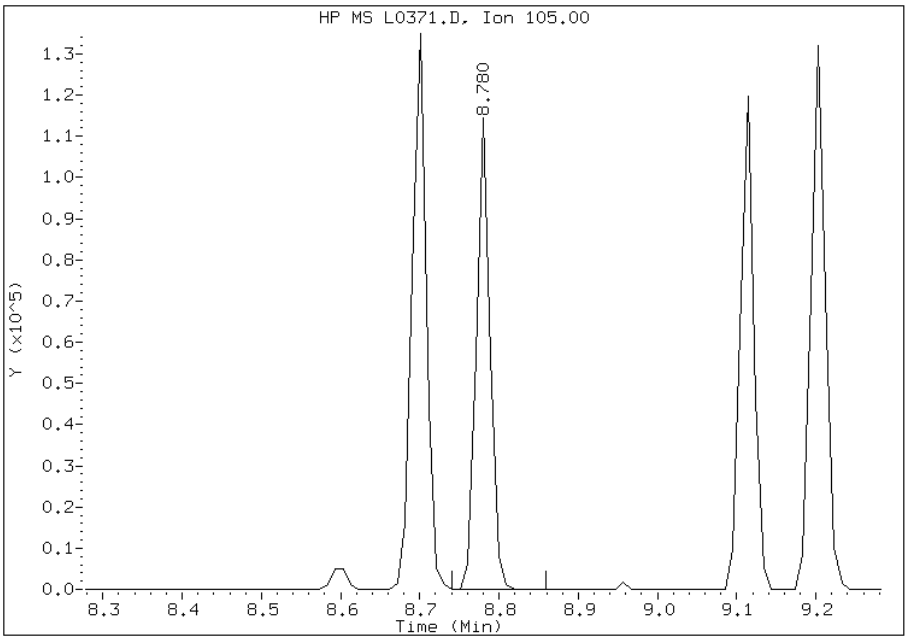
Manual Integration Results

RT: 8.78

Response: 143633

Amount: 18

Conc: 18



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

Manual Integration Report

Data File: L0371.D
Inj. Date and Time: 14-JUL-2011 20:38
Instrument ID: msl.i
Client ID: IC;20
Compound: 78 1,1-Dichloro-2-propanone
CAS #: 513-88-2
Report Date: 07/26/2011

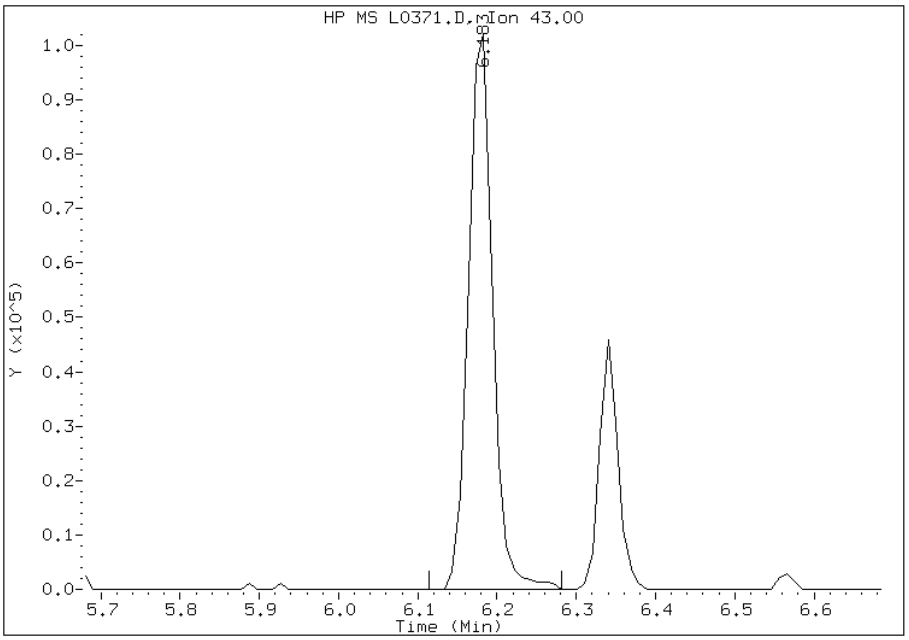
Processing Integration Results

RT: 6.18

Response: 222606

Amount: 105

Conc: 105



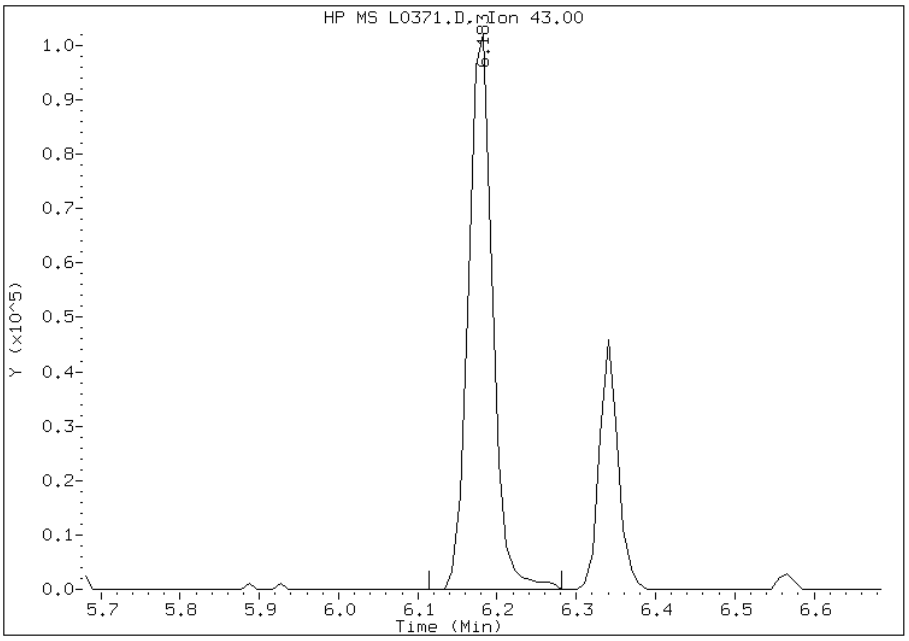
Manual Integration Results

RT: 6.18

Response: 222606

Amount: 105

Conc: 105



Manually Integrated By: eon
Manual Integration Reason:

Manual Integration Report

Data File: L0371.D
Inj. Date and Time: 14-JUL-2011 20:38
Instrument ID: msl.i
Client ID: IC;20
Compound: 53 2-Methyl-2-Propenenitrile
CAS #: 126-98-7
Report Date: 07/26/2011

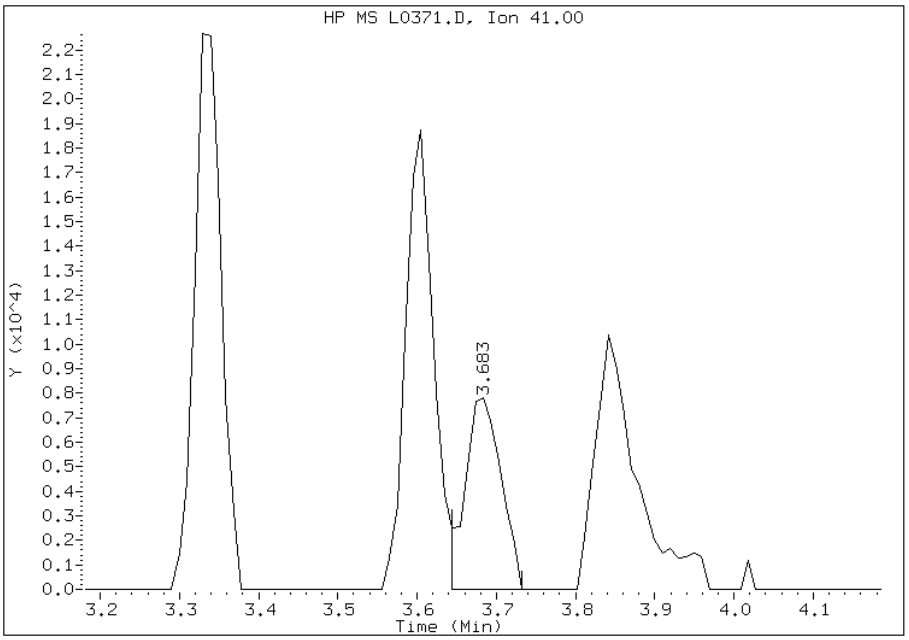
Processing Integration Results

RT: 3.68

Response: 25336

Amount: 12

Conc: 12



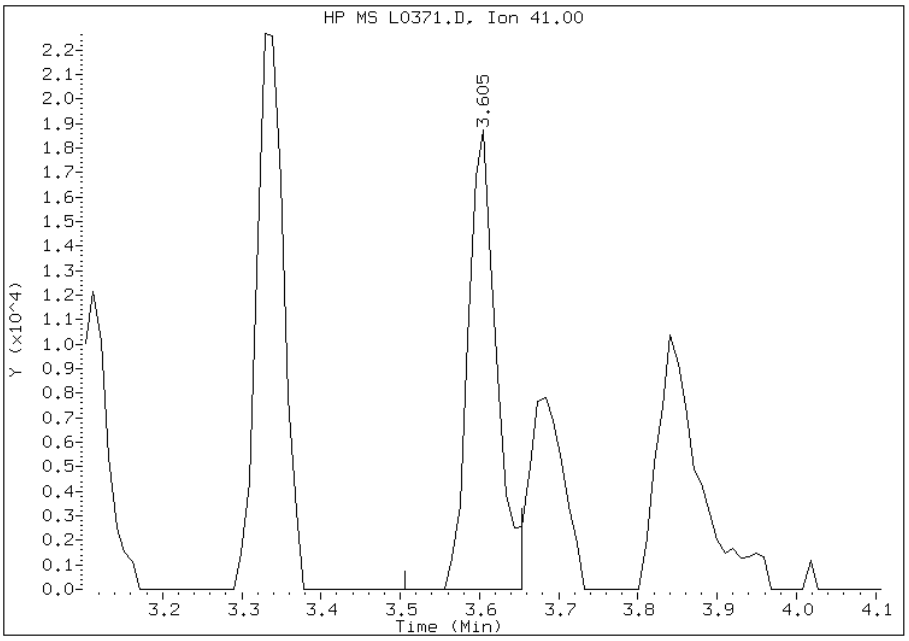
Manual Integration Results

RT: 3.60

Response: 47729

Amount: 21

Conc: 21



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

Manual Integration Report

Data File: L0371.D
Inj. Date and Time: 14-JUL-2011 20:38
Instrument ID: msl.i
Client ID: IC;20
Compound: 25 tert-Butyl alcohol
CAS #: 75-65-0
Report Date: 07/26/2011

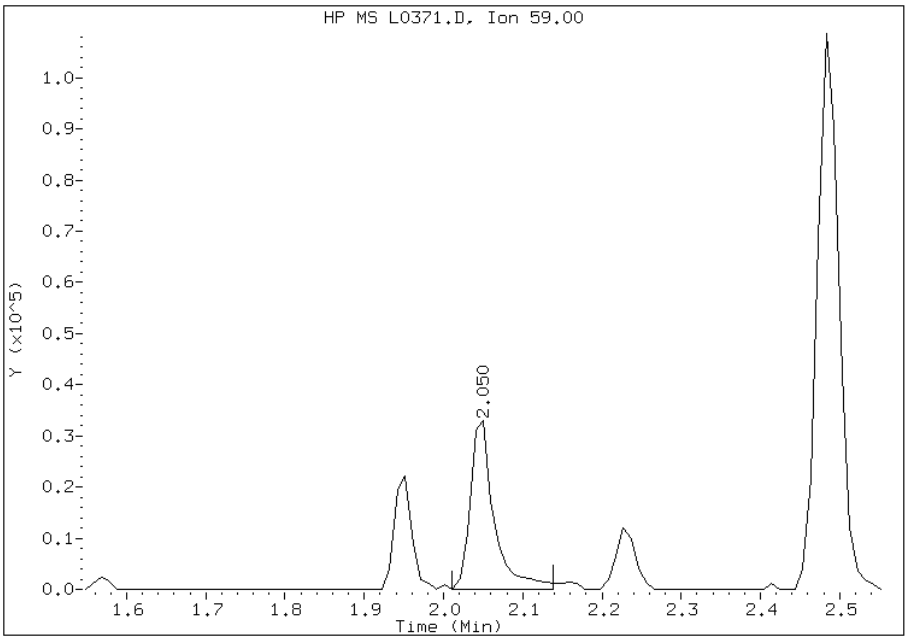
Processing Integration Results

RT: 2.05

Response: 70665

Amount: 117

Conc: 117



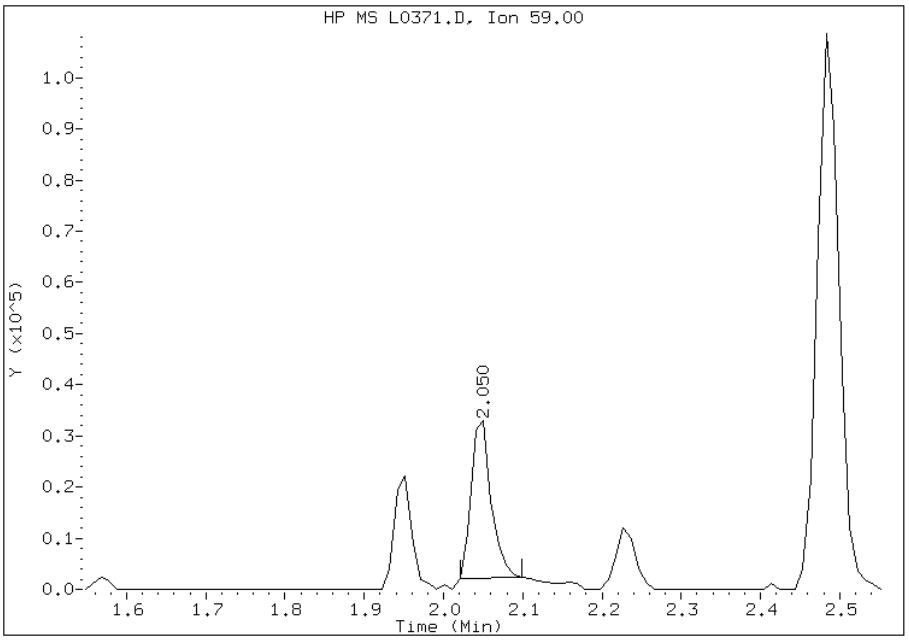
Manual Integration Results

RT: 2.05

Response: 55174

Amount: 101

Conc: 101



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

Manual Integration Report

Data File: L0371.D
Inj. Date and Time: 14-JUL-2011 20:38
Instrument ID: msl.i
Client ID: IC;20
Compound: 123 Naphthalene
CAS #: 91-20-3
Report Date: 07/26/2011

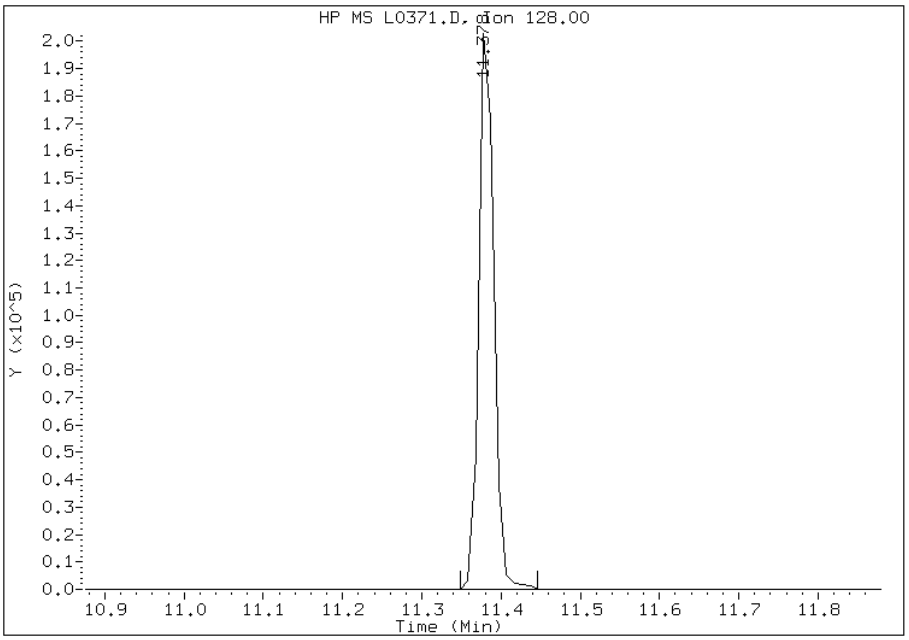
Processing Integration Results

RT: 11.38

Response: 280385

Amount: 20

Conc: 20



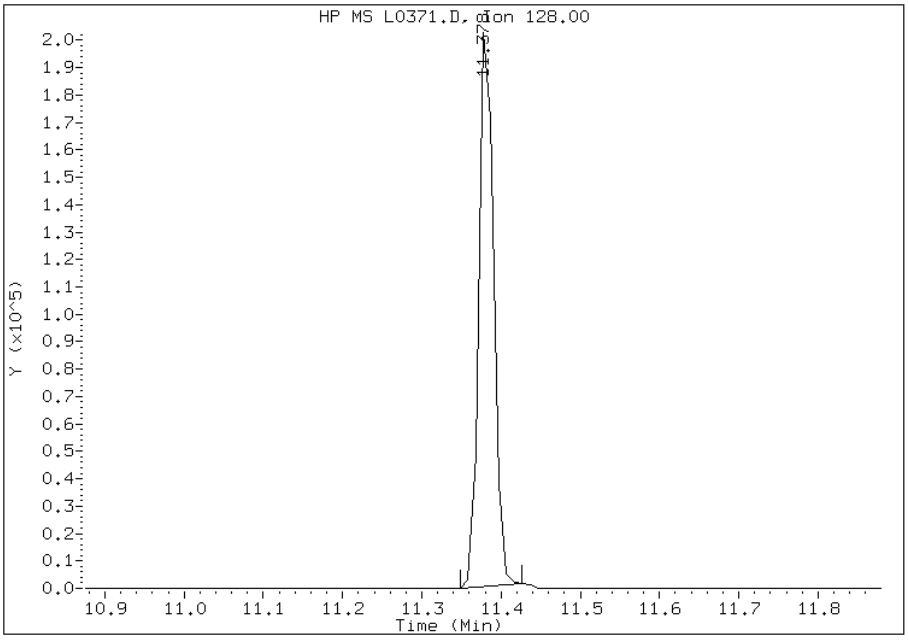
Manual Integration Results

RT: 11.38

Response: 275323

Amount: 20

Conc: 20



Manually Integrated By: eon
Manual Integration Reason:

Manual Integration Report

Data File: L0371.D
Inj. Date and Time: 14-JUL-2011 20:38
Instrument ID: msl.i
Client ID: IC;20
Compound: 18 2-Propanol
CAS #: 67-63-0
Report Date: 07/26/2011

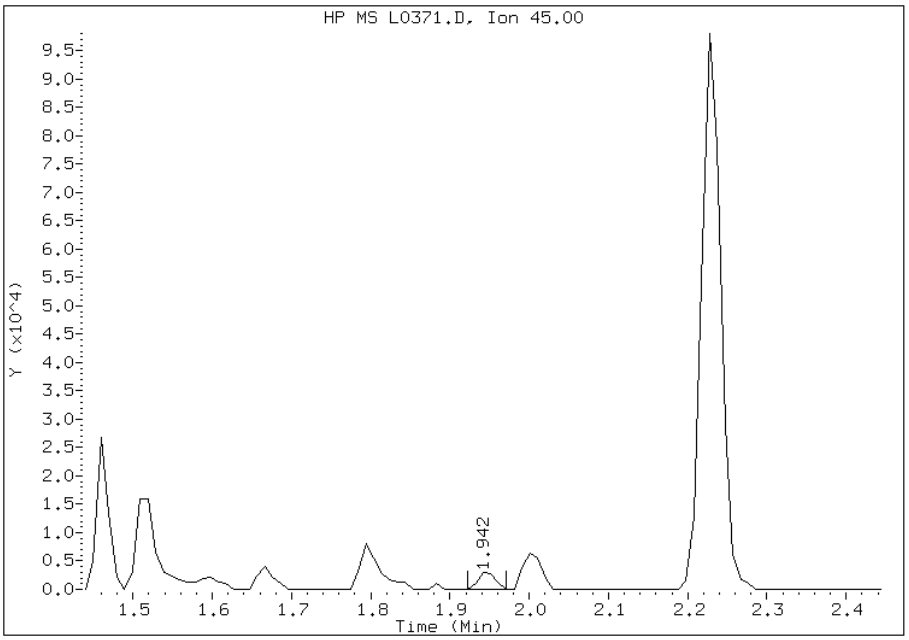
Processing Integration Results

RT: 1.94

Response: 4640

Amount: 20

Conc: 20



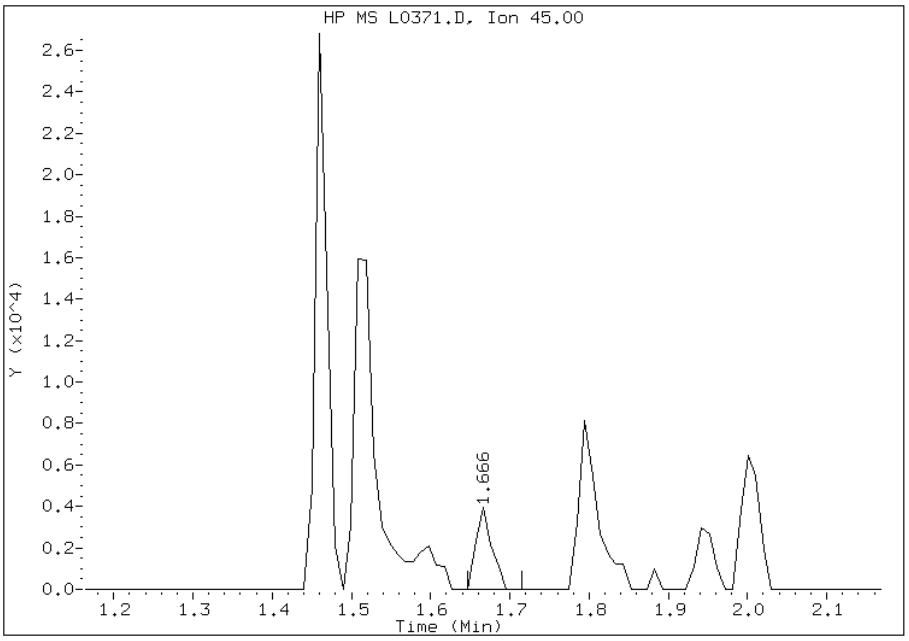
Manual Integration Results

RT: 1.67

Response: 5647

Amount: 24

Conc: 24



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

Manual Integration Report

Data File: L0371.D
Inj. Date and Time: 14-JUL-2011 20:38
Instrument ID: msl.i
Client ID: IC;20
Compound: 10 Ethanol
CAS #: 64-17-5
Report Date: 07/26/2011

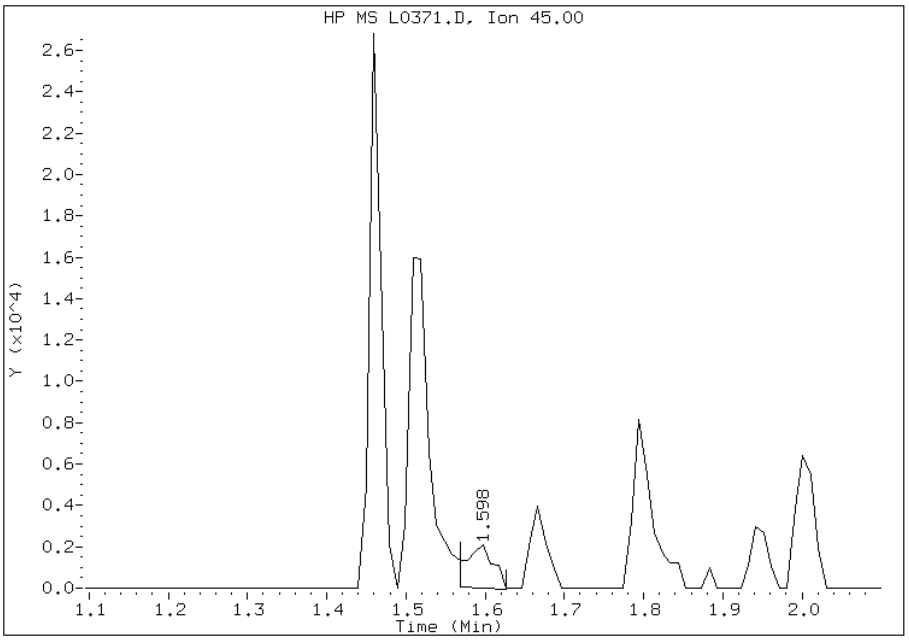
Processing Integration Results

RT: 1.60

Response: 5303

Amount: 44

Conc: 44



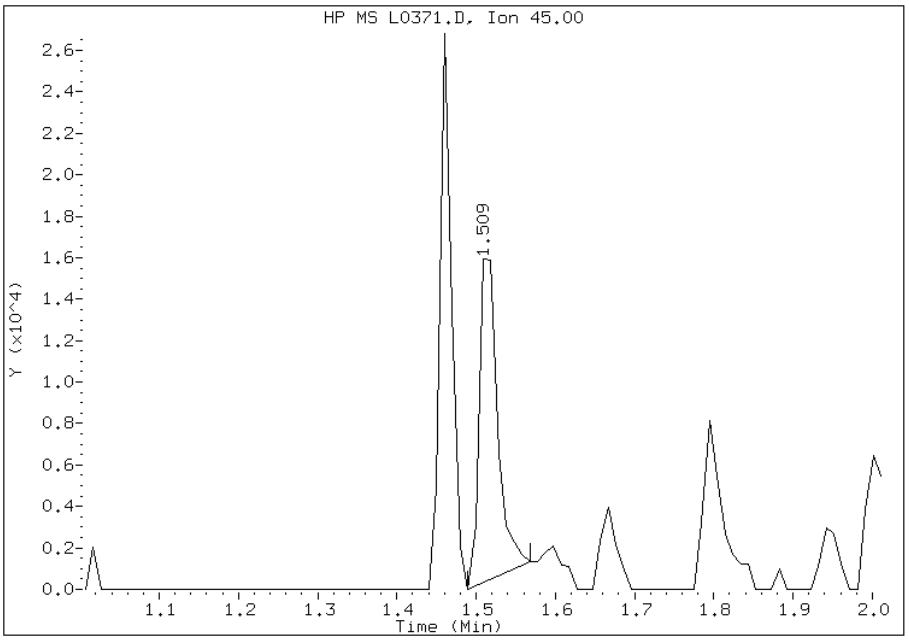
Manual Integration Results

RT: 1.51

Response: 25913

Amount: 179

Conc: 179



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

Manual Integration Report

Data File: L0371.D
Inj. Date and Time: 14-JUL-2011 20:38
Instrument ID: msl.i
Client ID: IC;20
Compound: 87 1-Chlorohexane
CAS #: 544-10-5
Report Date: 07/26/2011

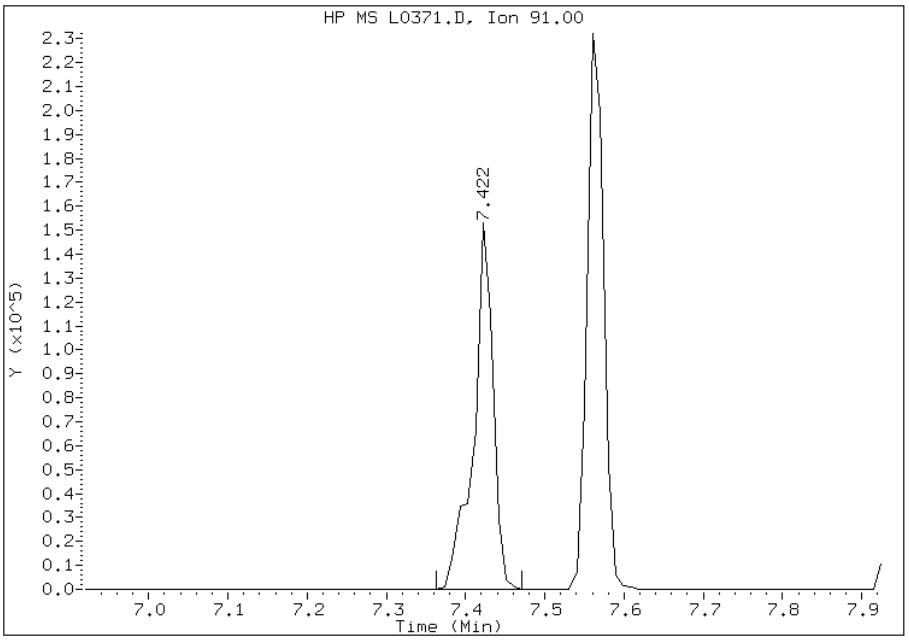
Processing Integration Results

RT: 7.42

Response: 267441

Amount: 51

Conc: 51



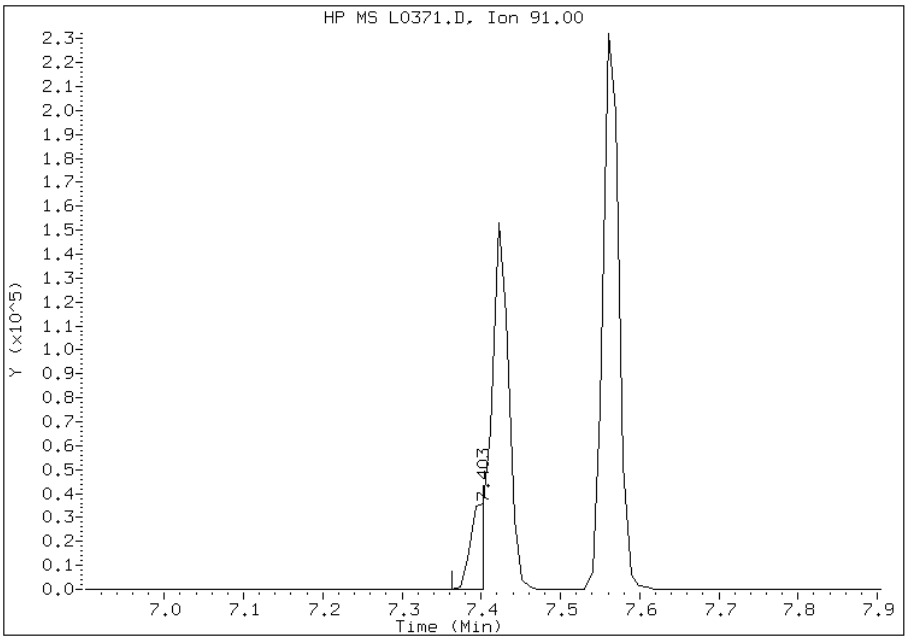
Manual Integration Results

RT: 7.40

Response: 49900

Amount: 16

Conc: 16



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

Manual Integration Report

Data File: L0371.D
Inj. Date and Time: 14-JUL-2011 20:38
Instrument ID: msl.i
Client ID: IC;20
Compound: 115 n-Butylbenzene
CAS #: 104-51-8
Report Date: 07/26/2011

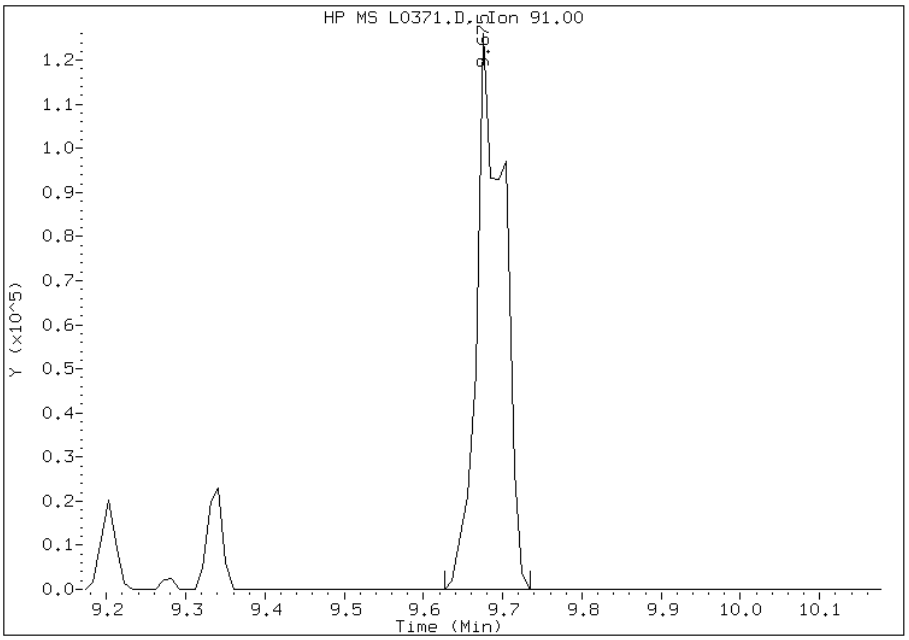
Processing Integration Results

RT: 9.68

Response: 309322

Amount: 28

Conc: 28



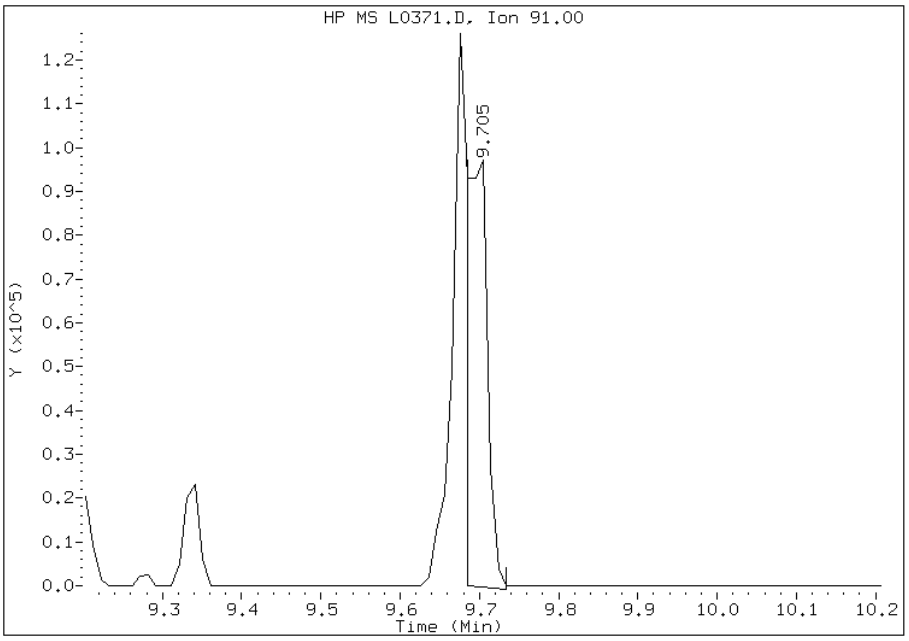
Manual Integration Results

RT: 9.70

Response: 186705

Amount: 21

Conc: 21



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

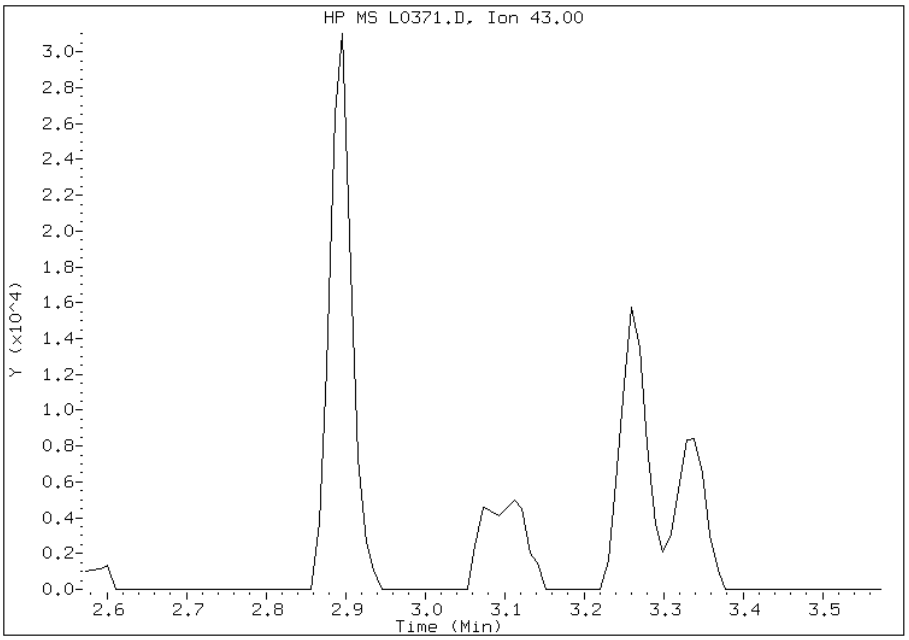
Manual Integration Report

Data File: L0371.D
Inj. Date and Time: 14-JUL-2011 20:38
Instrument ID: msl.i
Client ID: IC;20
Compound: 39 Ethyl Acetate
CAS #: 141-78-6
Report Date: 07/26/2011

Processing Integration Results

Not Detected

Expected RT: 3.07



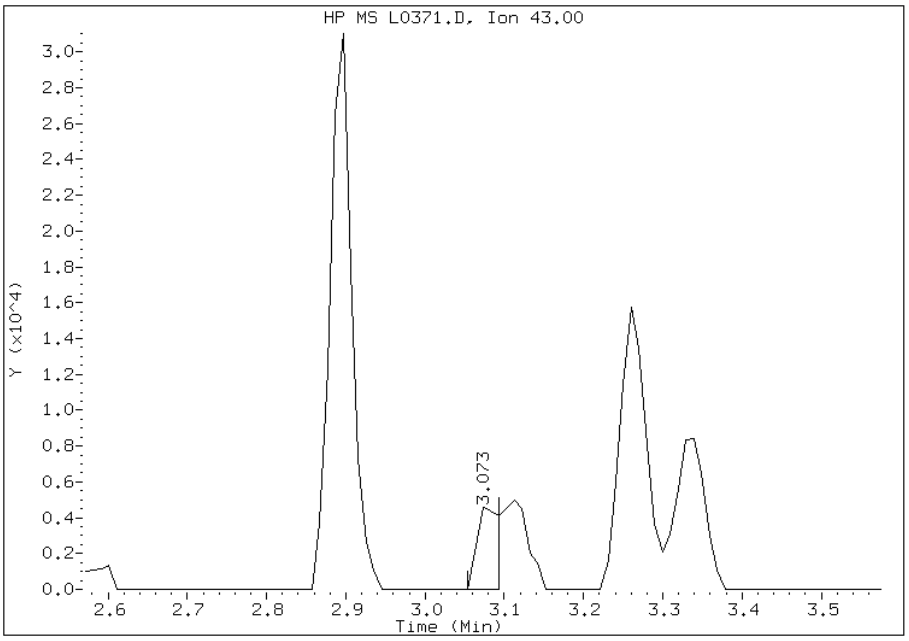
Manual Integration Results

RT: 3.07

Response: 9127

Amount: 41

Conc: 41



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

Manual Integration Report

Data File: L0371.D
Inj. Date and Time: 14-JUL-2011 20:38
Instrument ID: msl.i
Client ID: IC;20
Compound: 23 Methyl Acetate
CAS #: 79-20-9
Report Date: 07/26/2011

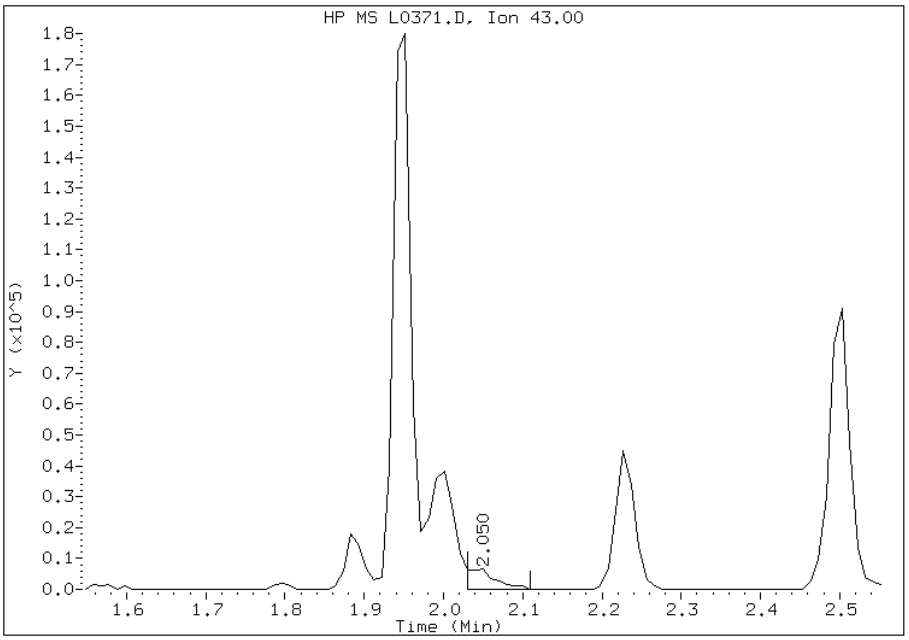
Processing Integration Results

RT: 2.05

Response: 17262

Amount: 22

Conc: 22



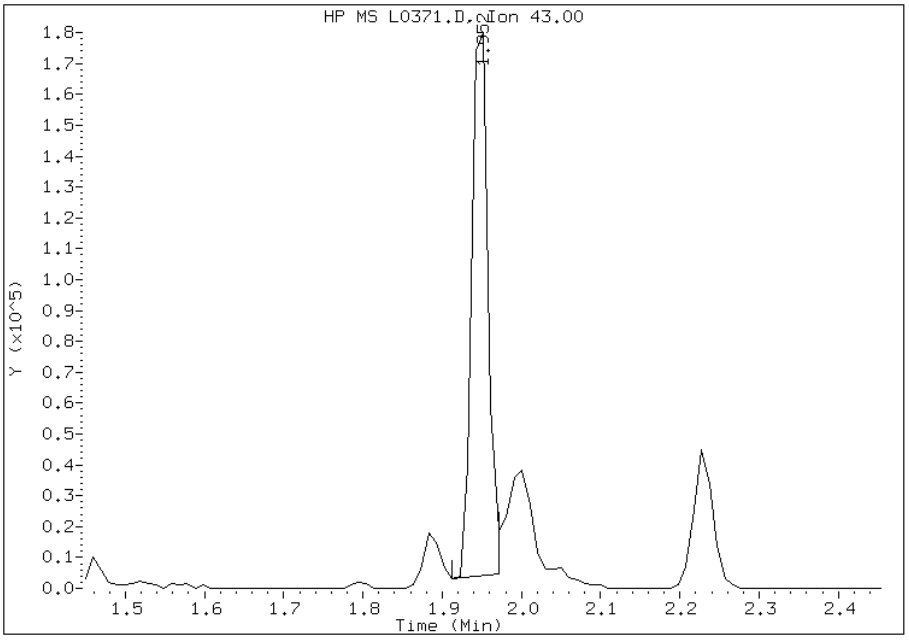
Manual Integration Results

RT: 1.95

Response: 266095

Amount: 20

Conc: 20



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

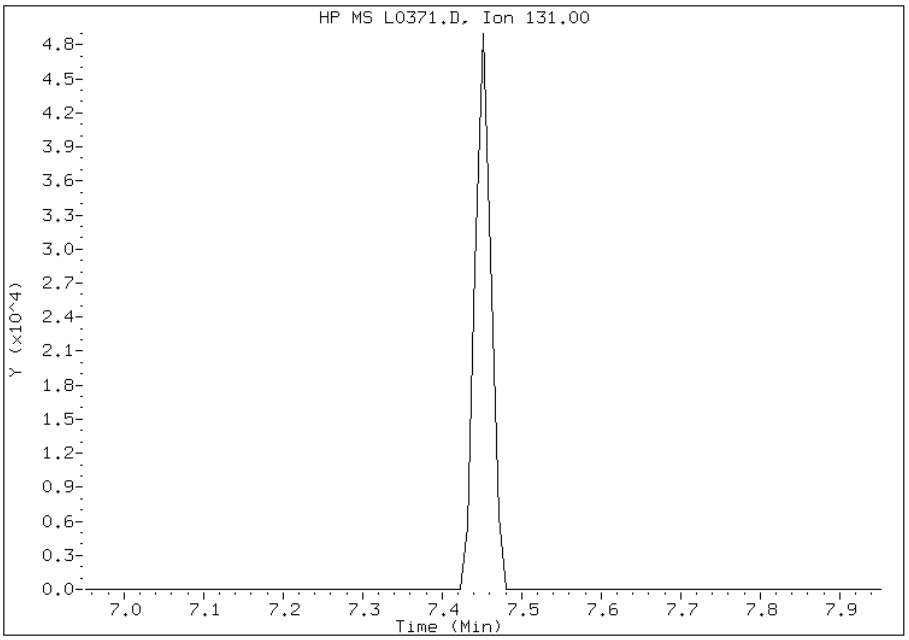
Manual Integration Report

Data File: L0371.D
Inj. Date and Time: 14-JUL-2011 20:38
Instrument ID: msl.i
Client ID: IC;20
Compound: 89 1,1,1,2-Tetrachloroethane
CAS #: 630-20-6
Report Date: 07/26/2011

Processing Integration Results

Not Detected

Expected RT: 7.45



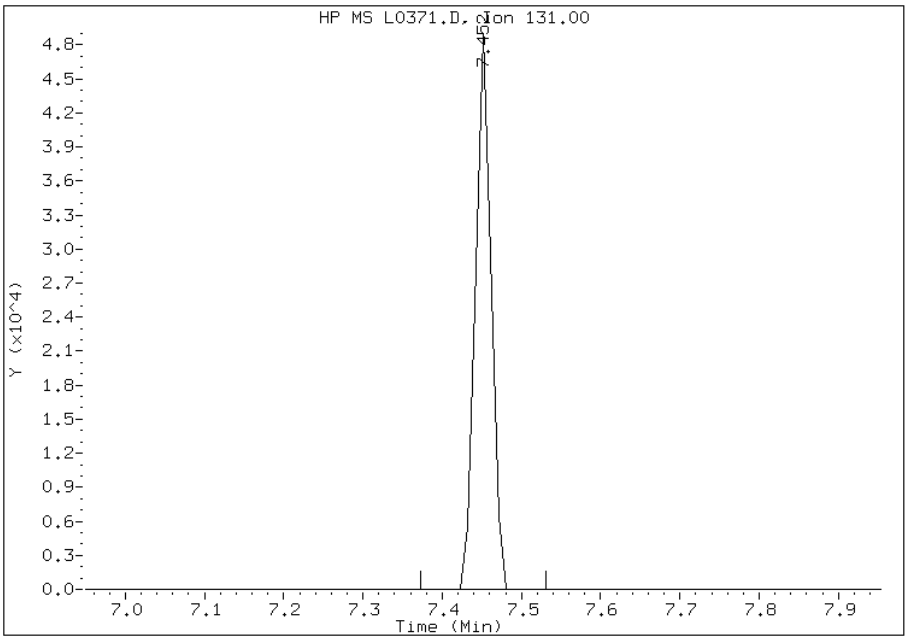
Manual Integration Results

RT: 7.45

Response: 70148

Amount: 18

Conc: 18



Manually Integrated By: eon
Manual Integration Reason:

STL-INC

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msl.i\L110361.b\L0372.D
Lab Smp Id: IC;5 Client Smp ID: IC;5
Inj Date : 14-JUL-2011 21:02 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : IC;5
Misc Info : LLW
Comment :
Method : \\consvr05\files\Chem\VOA\msl.i\L110361.b\L8260BNW.m
Meth Date : 26-Jul-2011 14:31 msl.i Quant Type: ISTD
Cal Date : 14-JUL-2011 21:02 Cal File: L0372.D
Als bottle: 12 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	4.053	4.053	(1.000)	338557	25.0000	
2	Dichlorodifluoromethane	85	0.954	0.954	(0.235)	9042	5.00000	4(M)
3	Chloromethane	50	1.042	1.042	(0.257)	12196	5.00000	4
4	Vinyl Chloride	62	1.072	1.072	(0.265)	10750	5.00000	4
5	Bromomethane	94	1.220	1.220	(0.301)	11589	5.00000	7
6	Chloroethane	64	1.269	1.269	(0.313)	12557	5.00000	5
7	Trichlorofluoromethane	101	1.338	1.338	(0.330)	18533	5.00000	5
8	Dichlorofluoromethane	67	1.347	1.347	(0.333)	23837	5.00000	5(M)
9	Ethyl Ether	45	1.456	1.456	(0.359)	8070	5.00000	5
10	Ethanol	45	1.515	1.515	(0.374)	8402	50.0000	57(M)
12	Freon 123	67	1.574	1.574	(0.388)	3154	5.00000	6(M)
13	Trichlorotrifluoroethane	101	1.574	1.574	(0.388)	11849	5.00000	4
14	1,1-Dichloroethene	96	1.564	1.564	(0.386)	11382	5.00000	5
15	Carbon Disulfide	76	1.593	1.593	(0.393)	40687	5.00000	4
16	Iodomethane	142	1.652	1.652	(0.408)	28304	5.00000	5
17	Acrolein	56	1.731	1.731	(0.427)	14313	25.0000	24
18	2-Propanol	45	1.662	1.662	(0.410)	612	5.00000	2(MH)
19	3-Chloro-1-Propene	41	1.800	1.800	(0.444)	15975	5.00000	4
20	Methylene Chloride	84	1.859	1.859	(0.459)	24248	5.00000	6
21	Acetone	43	1.889	1.889	(0.466)	9461	5.00000	10(M)
22	trans-1,2-Dichloroethene	96	1.957	1.957	(0.483)	14406	5.00000	4
23	Methyl Acetate	43	1.948	1.948	(0.481)	75631	5.00000	6(H)
24	Methyl tert-Butyl Ether	73	2.007	2.007	(0.495)	60248	5.00000	5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
25	tert-Butyl alcohol	59	2.046	2.046	(0.505)	20437	25.0000	34
26	Acetonitrile	41	2.164	2.164	(0.534)	17614	50.0000	61
27	Isopropyl ether	45	2.233	2.233	(0.551)	42210	5.00000	5
28	tert-Butyl ethyl ether	59	2.489	2.489	(0.614)	52403	5.00000	5
29	2-Chloro-1,3-Butadiene	88	2.321	2.321	(0.573)	11785	5.00000	4
30	Acrylonitrile	53	2.371	2.371	(0.585)	13651	10.0000	10
31	1,1-Dichloroethane	63	2.341	2.341	(0.578)	26244	5.00000	4
32	Vinyl Acetate	43	2.499	2.499	(0.617)	42617	5.00000	5
33	cis-1,2-Dichloroethene	96	2.735	2.735	(0.675)	17321	5.00000	4
34	2,2-Dichloropropane	77	2.823	2.823	(0.697)	23950	5.00000	4
35	Bromochloromethane	128	2.902	2.902	(0.716)	11860	5.00000	5
37	Cyclohexane	84	2.912	2.912	(0.718)	12512	5.00000	4
38	Chloroform	83	2.971	2.971	(0.733)	29839	5.00000	4
39	Ethyl Acetate	43	3.079	3.079	(0.760)	2452	10.0000	11(M)
40	Methyl Acrylate	55	3.089	3.089	(0.762)	18078	5.00000	5
$ 41	Dibromofluoromethane	111	3.138	3.138	(0.774)	18429	5.00000	4
42	Tetrahydrofuran	42	3.118	3.118	(0.769)	12409	10.0000	11
43	Carbon Tetrachloride	117	3.099	3.099	(0.765)	16839	5.00000	7
44	1,1,1-Trichloroethane	97	3.158	3.158	(0.779)	19854	5.00000	4
45	2-Butanone	43	3.266	3.266	(0.806)	9424	5.00000	5(M)
46	1,1-Dichloropropene	75	3.286	3.286	(0.811)	20089	5.00000	4
47	tert-Amyl methyl ether	73	3.689	3.689	(0.910)	54787	5.00000	5
49	1-Chlorobutane	56	3.335	3.335	(0.823)	23249	5.00000	4
50	Heptane	43	3.679	3.679	(0.908)	15362	5.00000	5(M)
51	Propionitrile	54	3.581	3.581	(0.883)	30376	50.0000	54
52	Benzene	78	3.542	3.542	(0.874)	54971	5.00000	5
53	2-Methyl-2-Propenenitrile	41	3.601	3.601	(0.888)	13596	5.00000	6(M)
54	Isobutyl alcohol	42	3.837	3.837	(0.947)	6351	50.0000	65
$ 55	1,2-Dichloroethane-d4	65	3.709	3.709	(0.915)	23389	5.00000	5
56	1,2-Dichloroethane	62	3.787	3.787	(0.934)	25961	5.00000	5(M)
59	Methyl Cyclohexane	83	4.250	4.250	(1.049)	14322	5.00000	5
60	Trichloroethene	130	4.279	4.279	(1.056)	15499	5.00000	4
63	Dibromomethane	93	4.781	4.781	(1.180)	12153	5.00000	4
64	1,2-Dichloropropane	63	4.899	4.899	(1.209)	13310	5.00000	4(T)
65	Bromodichloromethane	83	4.998	4.998	(1.233)	23937	5.00000	5
176	Ethyl acrylate	55	4.978	4.978	(1.228)	27575	5.00000	5(AM)
66	Methyl Methacrylate	69	5.204	5.204	(1.284)	14280	5.00000	5
69	2-Chloroethylvinylether	63	5.657	5.657	(1.396)	12953	5.00000	5
70	cis-1,3-Dichloropropene	75	5.686	5.686	(1.403)	27353	5.00000	4
71	Chloroacetonitrile	48	6.119	6.119	(1.510)	6344	50.0000	6(M)
72	2-Nitropropane	41	6.169	6.169	(1.522)	13906	10.0000	10(M)
73	trans-1,3-Dichloropropene	75	6.365	6.365	(1.570)	27344	5.00000	4(H)
74	1,1,2-Trichloroethane	97	6.513	6.513	(1.607)	16756	5.00000	5
* 75	Chlorobenzene-d5	117	7.369	7.369	(1.000)	330006	25.0000	
76	Toluene	91	5.932	5.932	(0.805)	53620	5.00000	4
$ 77	Toluene-d8	98	5.873	5.873	(0.797)	50772	5.00000	4
78	1,1-Dichloro-2-propanone	43	6.178	6.178	(0.838)	56860	25.0000	27(M)
79	4-Methyl-2-Pentanone	43	6.346	6.346	(0.861)	20381	5.00000	6
80	Tetrachloroethene	164	6.306	6.306	(0.856)	12127	5.00000	4
81	Ethyl Methacrylate	69	6.562	6.562	(0.891)	23371	5.00000	5
82	Dibromochloromethane	129	6.680	6.680	(0.907)	22895	5.00000	5(T)
83	1,3-Dichloropropane	76	6.769	6.769	(0.919)	27980	5.00000	5
84	1,2-Dibromoethane	107	6.877	6.877	(0.933)	20004	5.00000	5
86	2-Hexanone	43	7.152	7.152	(0.971)	15394	5.00000	6(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
87	1-Chlorohexane	91	7.398	7.398	(1.004)	18823	5.00000	6(M)
88	Chlorobenzene	112	7.379	7.379	(1.001)	40263	5.00000	4
89	1,1,1,2-Tetrachloroethane	131	7.448	7.448	(1.011)	17216	5.00000	4(M)
90	Ethylbenzene	106	7.428	7.428	(1.008)	17757	5.00000	4
91	Xylene (total)mp	106	7.566	7.566	(1.027)	44242	10.0000	9
92	Xylene (total)o	106	7.940	7.940	(1.077)	21629	5.00000	4
93	Styrene	104	7.999	7.999	(1.085)	40005	5.00000	5
94	Bromoform	173	7.999	7.999	(1.085)	16256	5.00000	4
* 95	1,4-Dichlorobenzene-d4	152	9.445	9.445	(1.000)	168629	25.0000	
96	Isopropylbenzene	105	8.235	8.235	(0.872)	42063	5.00000	5
97	Bromobenzene	156	8.550	8.550	(0.905)	20847	5.00000	5
98	1,1,2,2-Tetrachloroethane	83	8.677	8.677	(0.919)	26155	5.00000	6
99	4-Ethyltoluene	105	8.697	8.697	(0.921)	44851	5.00000	5(H)
100	1,2,3-Trichloropropane	110	8.776	8.776	(0.929)	8220	5.00000	5
101	trans-1,4-Dichloro-2-Butene	53	8.825	8.825	(0.934)	12507	10.0000	10
102	n-Propylbenzene	91	8.599	8.599	(0.910)	50841	5.00000	5(H)
103	2-Chlorotoluene	91	8.717	8.717	(0.923)	39955	5.00000	5(H)
104	4-Chlorotoluene	91	8.864	8.864	(0.939)	39518	5.00000	5
105	1,3,5-Trimethylbenzene	105	8.776	8.776	(0.929)	37266	5.00000	5(M)
106	tert-Butylbenzene	119	9.051	9.051	(0.958)	30841	5.00000	5(H)
107	1,2,4-Trimethylbenzene	105	9.110	9.110	(0.965)	39328	5.00000	5
108	sec-Butylbenzene	105	9.199	9.199	(0.974)	45169	5.00000	5
109	4-Isopropyltoluene	119	9.337	9.337	(0.989)	41524	5.00000	5
110	1,3-Dichlorobenzene	146	9.376	9.376	(0.993)	31390	5.00000	5(H)
111	1,4-Dichlorobenzene	146	9.455	9.455	(1.001)	32769	5.00000	5(H)
112	1,2-Dichlorobenzene	146	9.809	9.809	(1.039)	32187	5.00000	5
113	Benzyl Chloride	126	9.681	9.681	(1.025)	8876	5.00000	5
114	1,4-Diethylbenzene	119	9.652	9.652	(2.381)	20900	5.00000	5
115	n-Butylbenzene	91	9.701	9.701	(1.027)	42522	5.00000	5(M)
118	1,2,4,5-Tetramethylbenzene	119	10.360	10.360	(2.556)	43705	5.00000	5
119	1,2-Dibromo-3-chloropropane	75	10.508	10.508	(1.112)	5888	5.00000	6
120	Nitrobenzene	77	10.999	10.999	(1.165)	39875	50.0000	68
121	1,2,4-Trichlorobenzene	180	11.108	11.108	(1.176)	21181	5.00000	6
122	Hexachlorobutadiene	225	11.088	11.088	(1.174)	15958	5.00000	10
123	Naphthalene	128	11.383	11.383	(1.205)	84595	5.00000	6
124	1,2,3-Trichlorobenzene	180	11.541	11.541	(1.222)	22529	5.00000	6
$ 125	Bromofluorobenzene	95	8.471	8.471	(0.897)	19503	5.00000	5
M 126	1,2-Dichloroethene (total)	100				31727	10.0000	9
M 127	Xylene (total)	100				65871	15.0000	14

QC Flag Legend

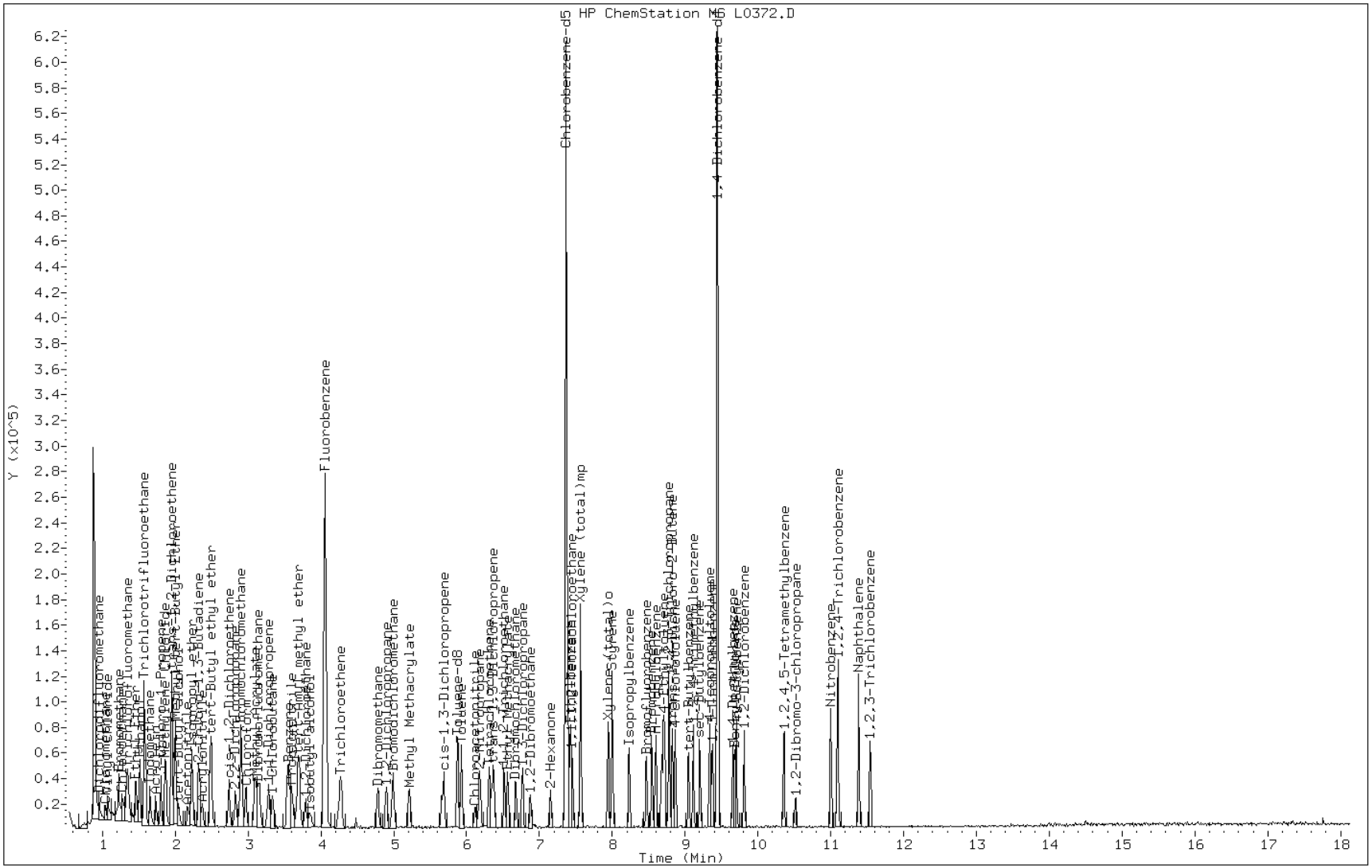
T - Target compound detected outside RT window.
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: L0372.D

Date: 14-JUL-2011 21:02

Client ID: IC;5 Instrument: msl.i

Sample Info: IC;5 Operator: E. LYNCH



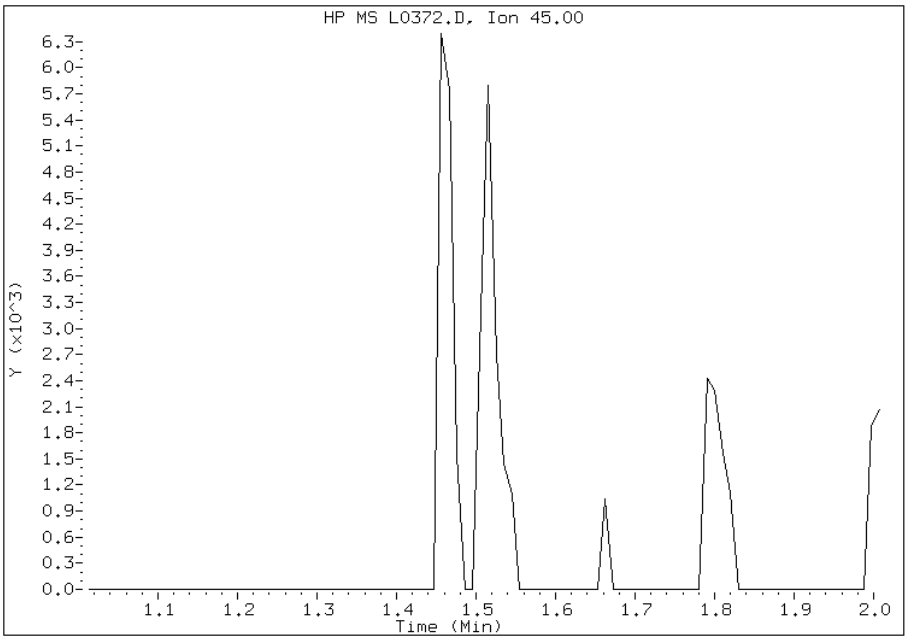
Manual Integration Report

Data File: L0372.D
Inj. Date and Time: 14-JUL-2011 21:02
Instrument ID: msl.i
Client ID: IC;5
Compound: 10 Ethanol
CAS #: 64-17-5
Report Date: 07/26/2011

Processing Integration Results

Not Detected

Expected RT: 1.51



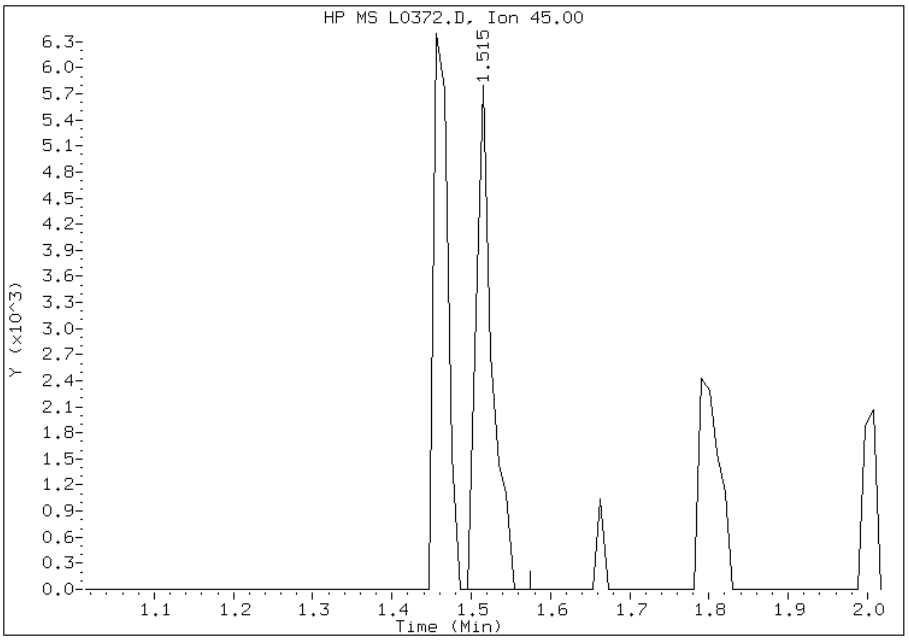
Manual Integration Results

RT: 1.52

Response: 8402

Amount: 57

Conc: 57



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

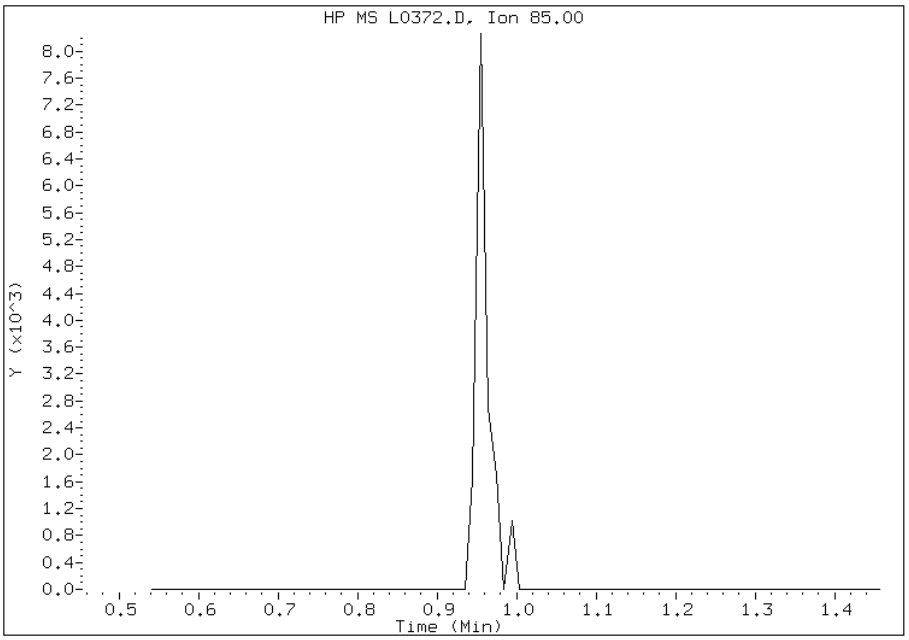
Manual Integration Report

Data File: L0372.D
Inj. Date and Time: 14-JUL-2011 21:02
Instrument ID: msl.i
Client ID: IC;5
Compound: 2 Dichlorodifluoromethane
CAS #: 75-71-8
Report Date: 07/26/2011

Processing Integration Results

Not Detected

Expected RT: 0.96



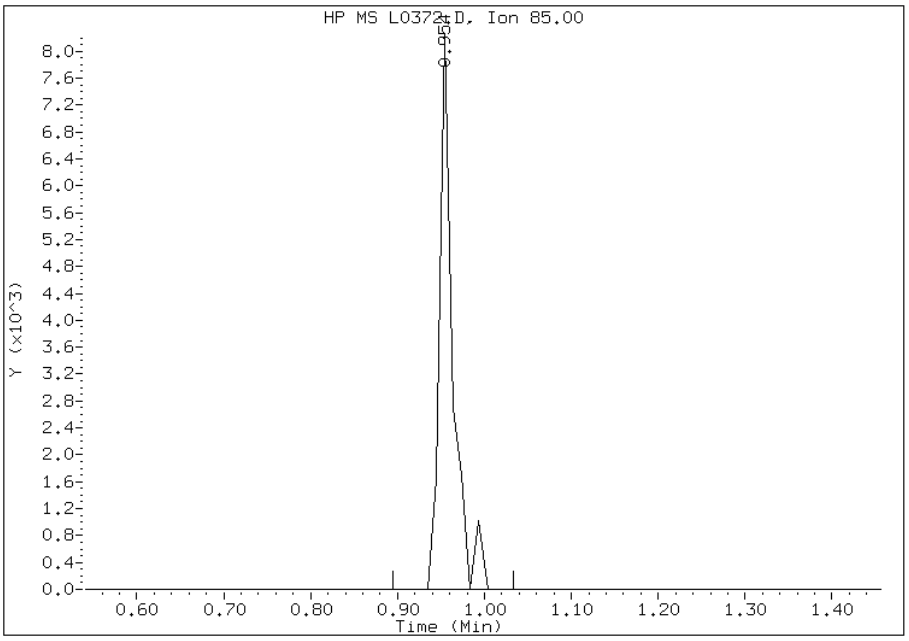
Manual Integration Results

RT: 0.95

Response: 9042

Amount: 4

Conc: 4



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

Manual Integration Report

Data File: L0372.D
Inj. Date and Time: 14-JUL-2011 21:02
Instrument ID: msl.i
Client ID: IC;5
Compound: 78 1,1-Dichloro-2-propanone
CAS #: 513-88-2
Report Date: 07/26/2011

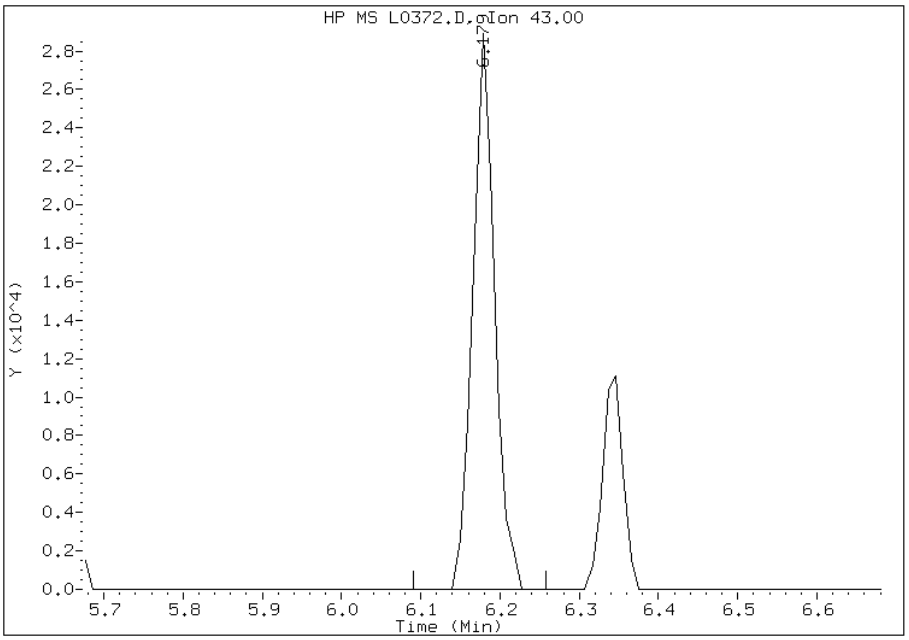
Processing Integration Results

RT: 6.18

Response: 56860

Amount: 27

Conc: 27



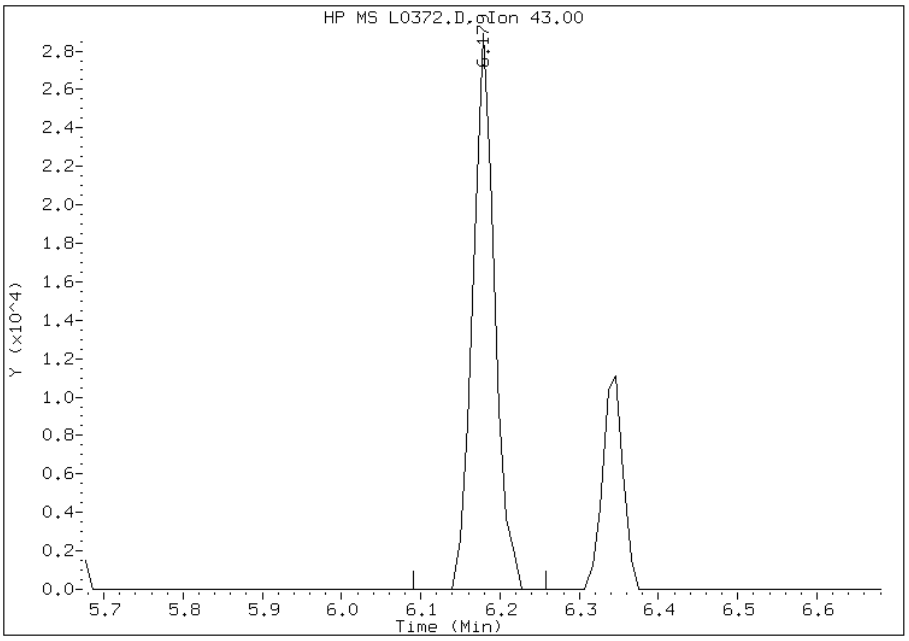
Manual Integration Results

RT: 6.18

Response: 56860

Amount: 27

Conc: 27



Manually Integrated By: eon
Manual Integration Reason:

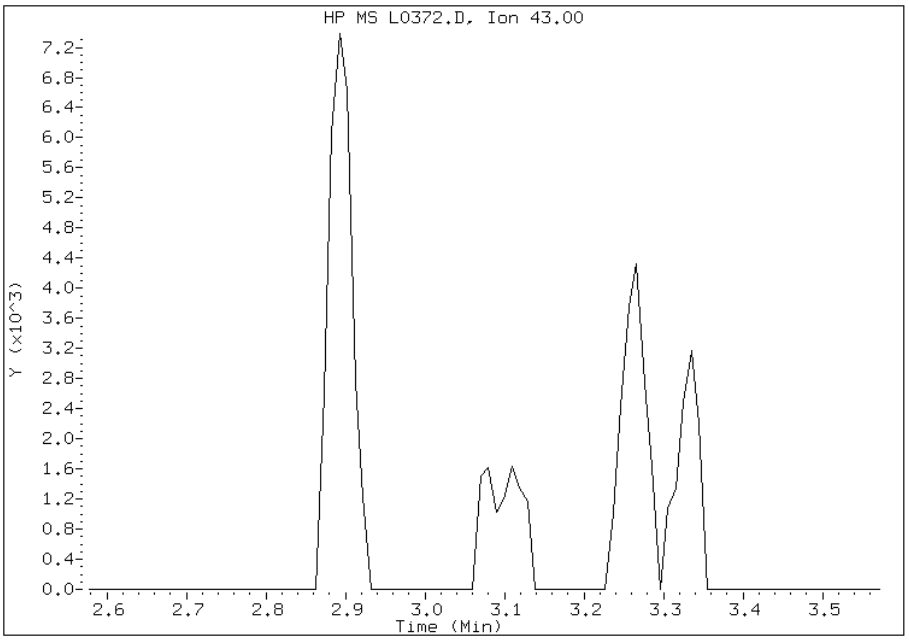
Manual Integration Report

Data File: L0372.D
Inj. Date and Time: 14-JUL-2011 21:02
Instrument ID: msl.i
Client ID: IC;5
Compound: 39 Ethyl Acetate
CAS #: 141-78-6
Report Date: 07/26/2011

Processing Integration Results

Not Detected

Expected RT: 3.07



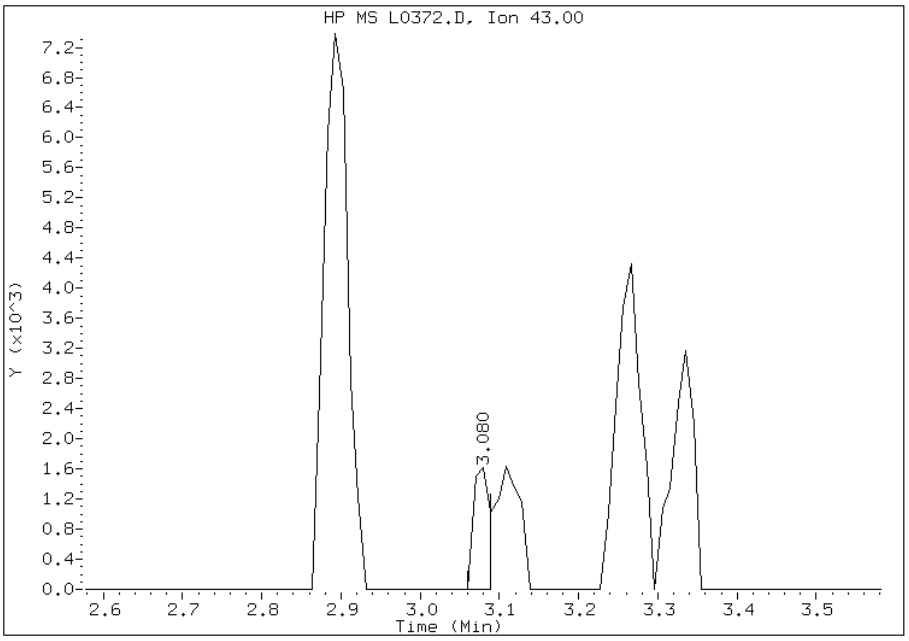
Manual Integration Results

RT: 3.08

Response: 2452

Amount: 11

Conc: 11



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

Manual Integration Report

Data File: L0372.D
Inj. Date and Time: 14-JUL-2011 21:02
Instrument ID: msl.i
Client ID: IC;5
Compound: 53 2-Methyl-2-Propenenitrile
CAS #: 126-98-7
Report Date: 07/26/2011

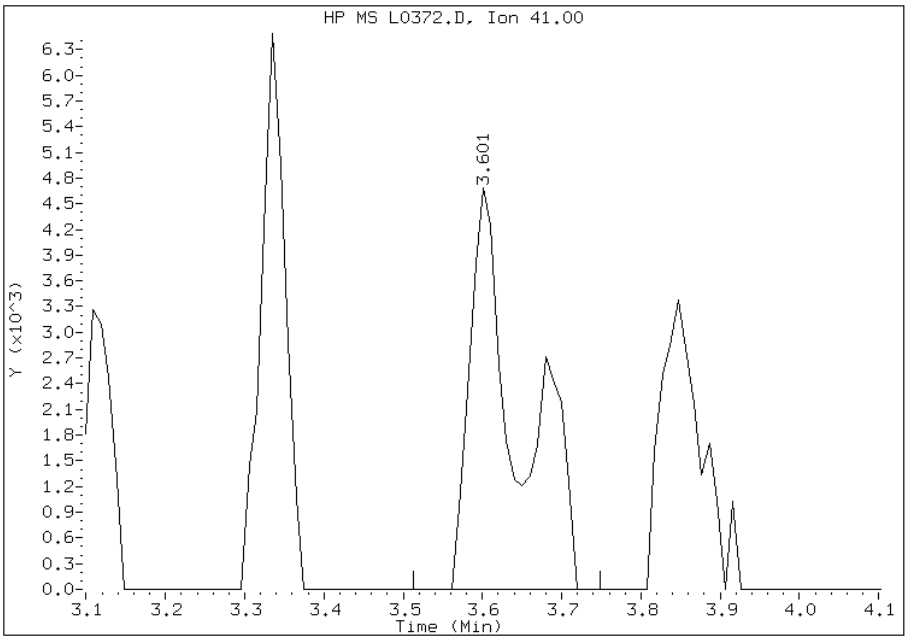
Processing Integration Results

RT: 3.60

Response: 20449

Amount: 8

Conc: 8



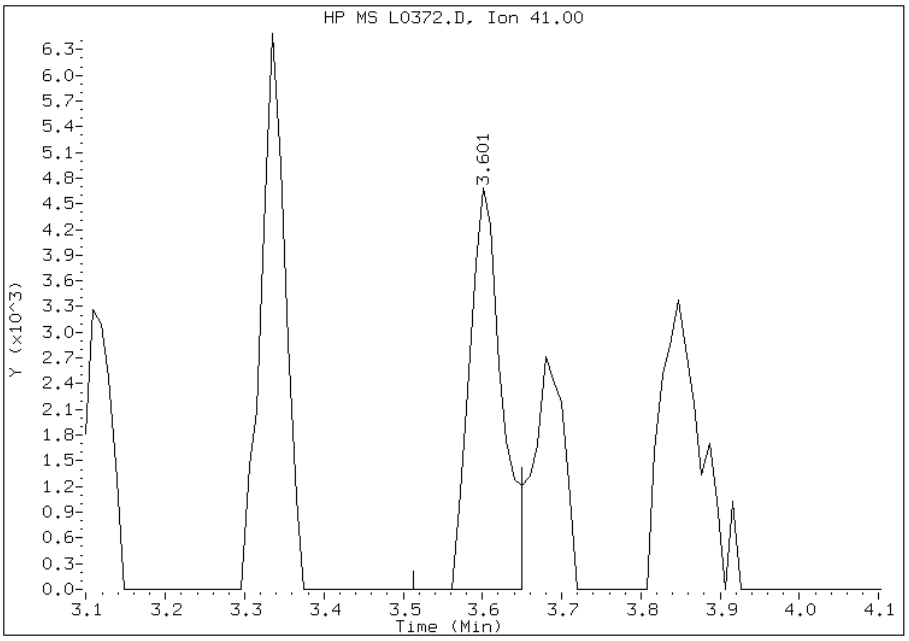
Manual Integration Results

RT: 3.60

Response: 13596

Amount: 6

Conc: 6



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

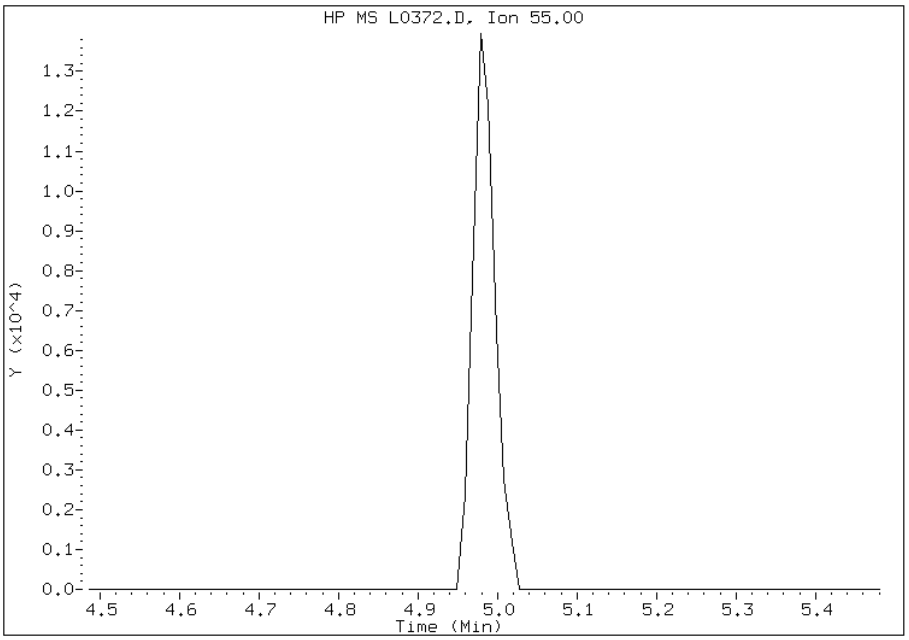
Manual Integration Report

Data File: L0372.D
Inj. Date and Time: 14-JUL-2011 21:02
Instrument ID: msl.i
Client ID: IC;5
Compound: 176 Ethyl acrylate
CAS #: 140-88-5
Report Date: 07/26/2011

Processing Integration Results

Not Detected

Expected RT: 4.98



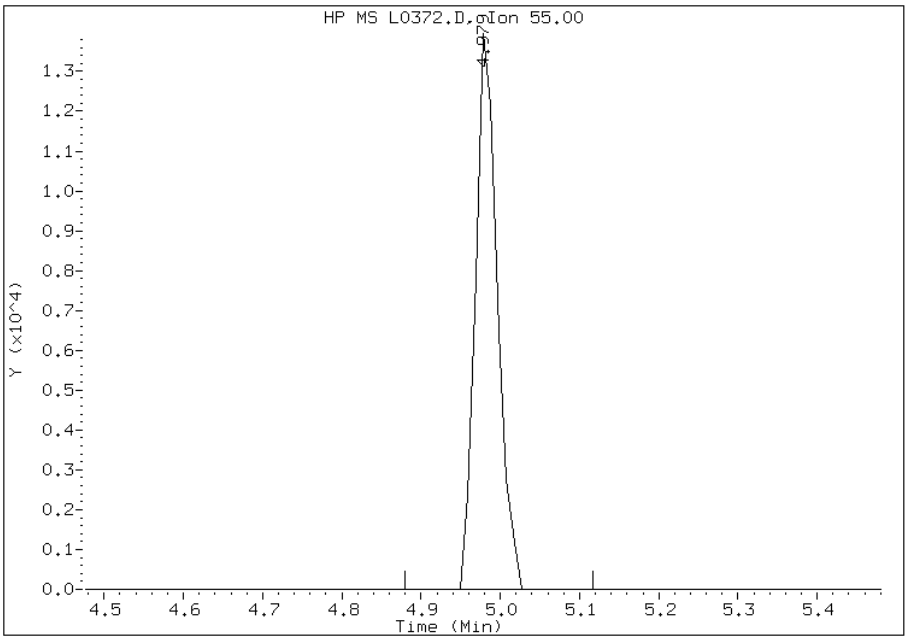
Manual Integration Results

RT: 4.98

Response: 27575

Amount: 5

Conc: 5



Manually Integrated By: eon
Manual Integration Reason:

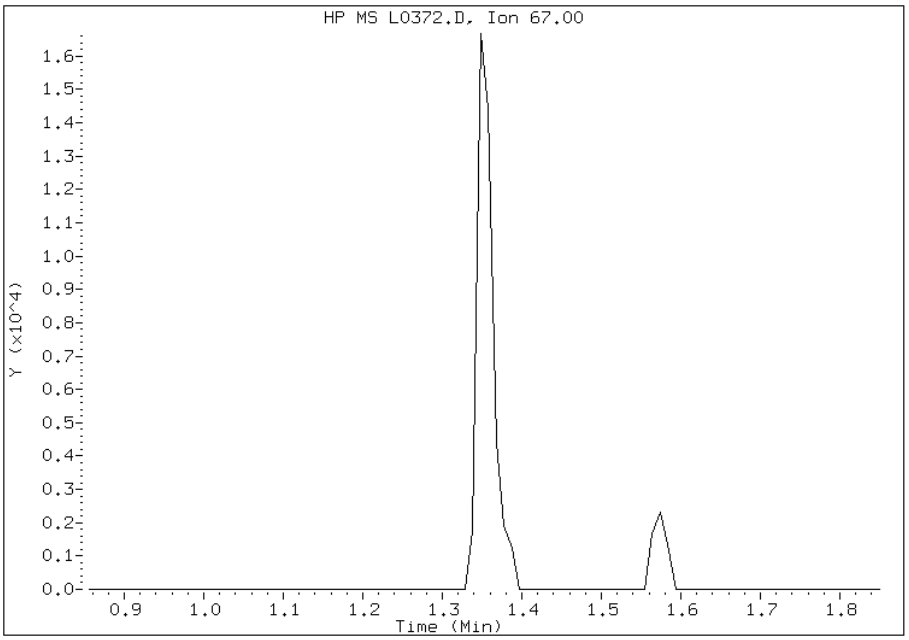
Manual Integration Report

Data File: L0372.D
Inj. Date and Time: 14-JUL-2011 21:02
Instrument ID: msl.i
Client ID: IC;5
Compound: 8 Dichlorofluoromethane
CAS #: 75-43-4
Report Date: 07/26/2011

Processing Integration Results

Not Detected

Expected RT: 1.35



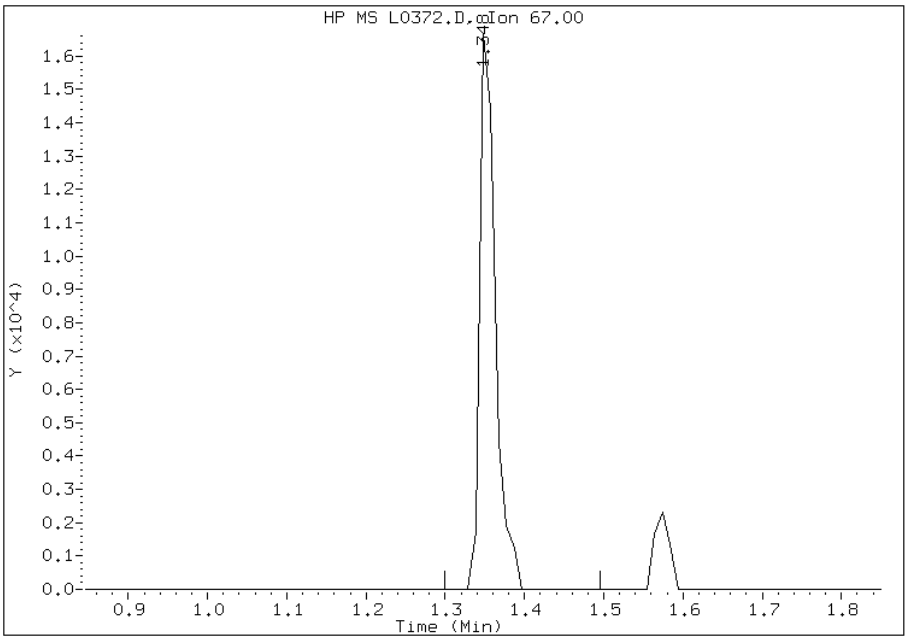
Manual Integration Results

RT: 1.35

Response: 23837

Amount: 5

Conc: 5



Manually Integrated By: eon
Manual Integration Reason:

Manual Integration Report

Data File: L0372.D
Inj. Date and Time: 14-JUL-2011 21:02
Instrument ID: msl.i
Client ID: IC;5
Compound: 115 n-Butylbenzene
CAS #: 104-51-8
Report Date: 07/26/2011

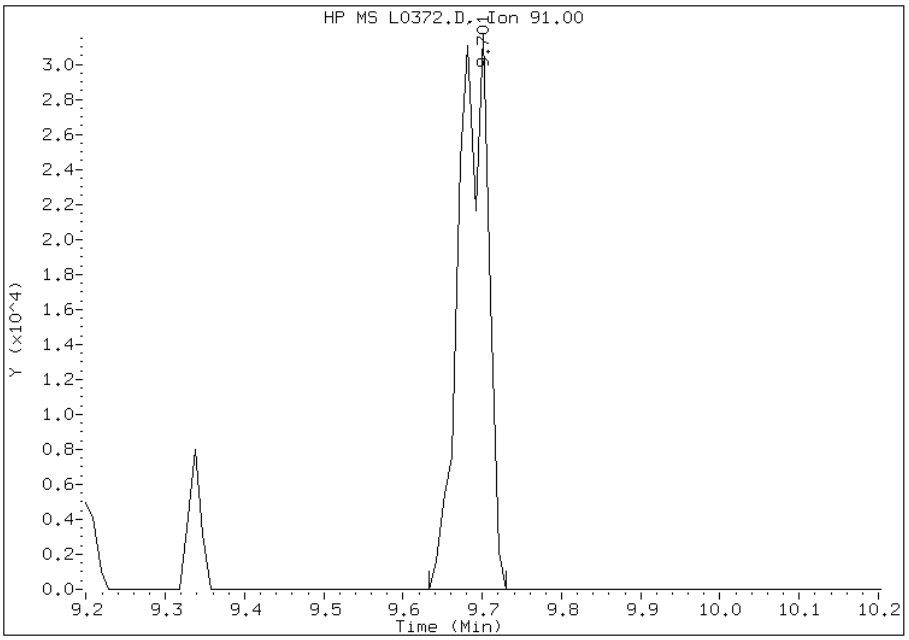
Processing Integration Results

RT: 9.70

Response: 84095

Amount: 9

Conc: 9



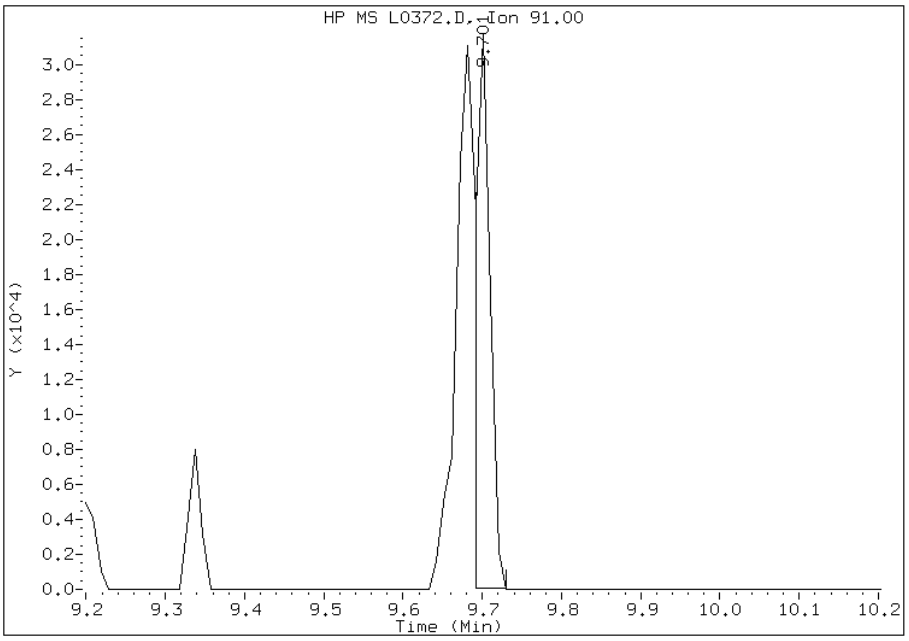
Manual Integration Results

RT: 9.70

Response: 42522

Amount: 5

Conc: 5



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

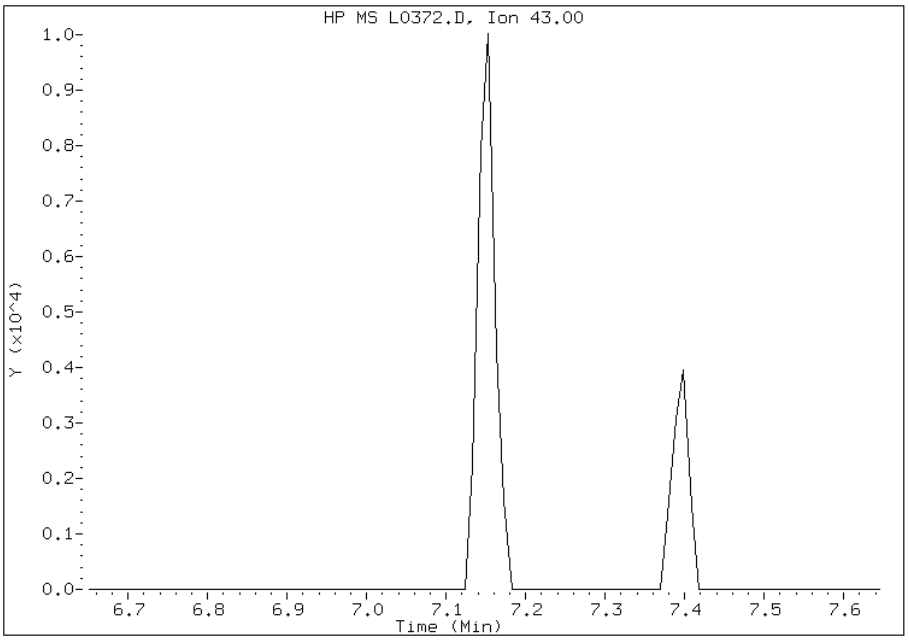
Manual Integration Report

Data File: L0372.D
Inj. Date and Time: 14-JUL-2011 21:02
Instrument ID: msl.i
Client ID: IC;5
Compound: 86 2-Hexanone
CAS #: 591-78-6
Report Date: 07/26/2011

Processing Integration Results

Not Detected

Expected RT: 7.15



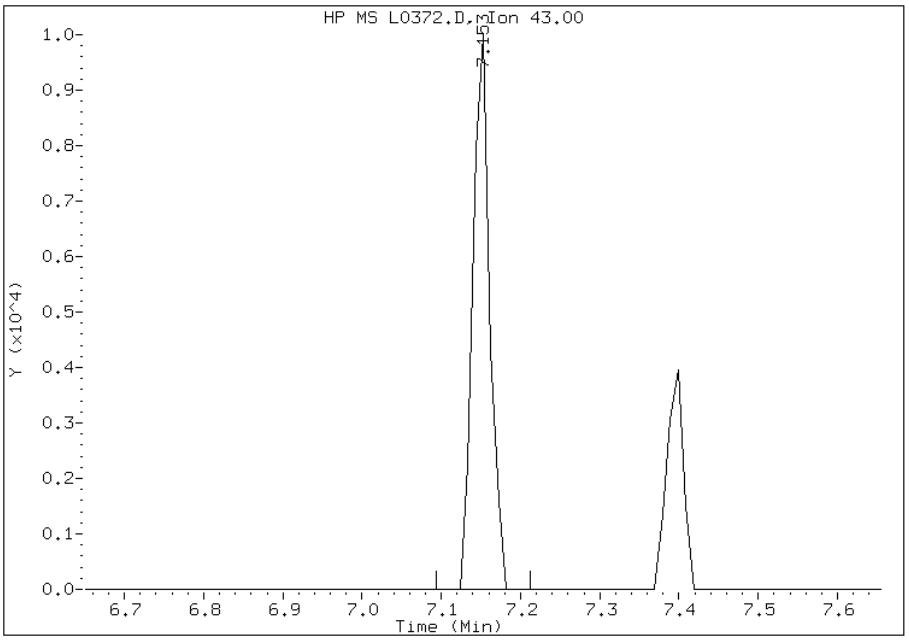
Manual Integration Results

RT: 7.15

Response: 15394

Amount: 6

Conc: 6



Manually Integrated By: eon
Manual Integration Reason:

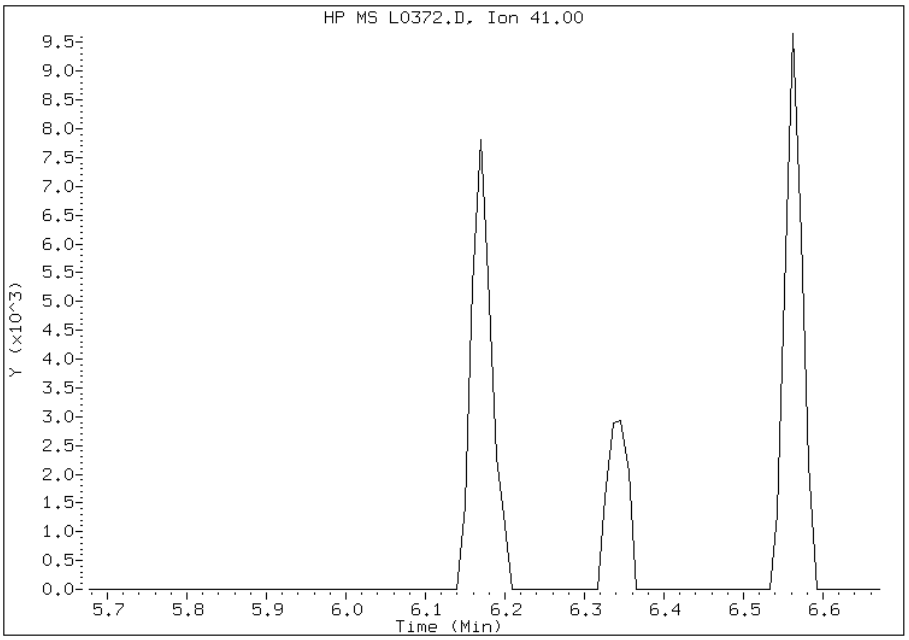
Manual Integration Report

Data File: L0372.D
Inj. Date and Time: 14-JUL-2011 21:02
Instrument ID: msl.i
Client ID: IC;5
Compound: 72 2-Nitropropane
CAS #: 79-46-9
Report Date: 07/26/2011

Processing Integration Results

Not Detected

Expected RT: 6.17



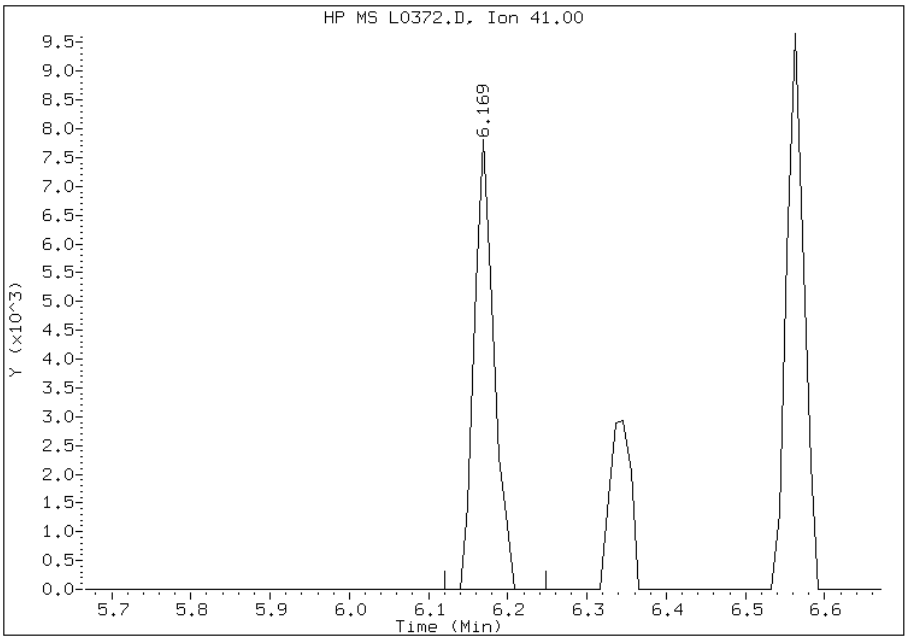
Manual Integration Results

RT: 6.17

Response: 13906

Amount: 10

Conc: 10



Manually Integrated By: eon
Manual Integration Reason:

Manual Integration Report

Data File: L0372.D
Inj. Date and Time: 14-JUL-2011 21:02
Instrument ID: msl.i
Client ID: IC;5
Compound: 50 Heptane
CAS #: 142-82-5
Report Date: 07/26/2011

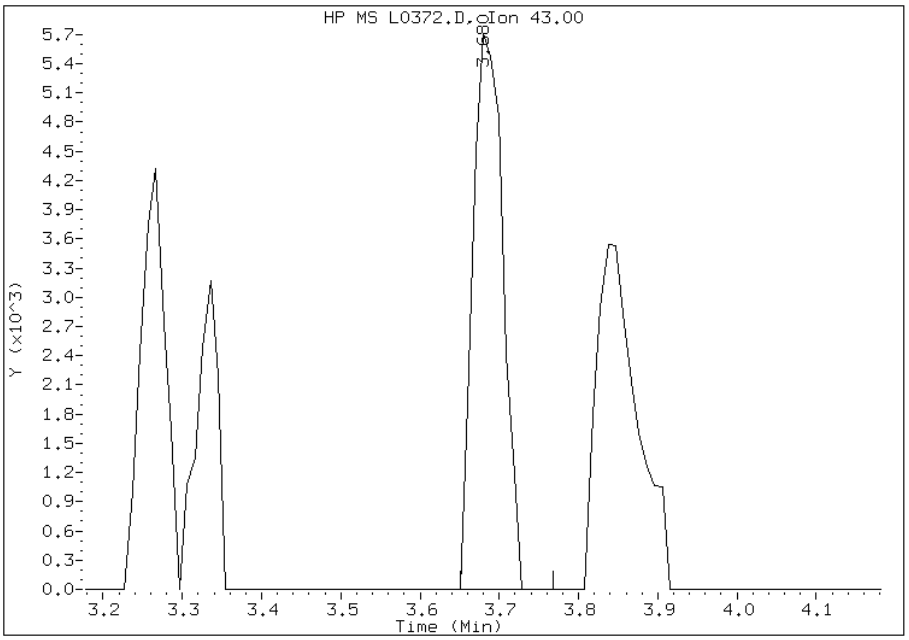
Processing Integration Results

RT: 3.68

Response: 15362

Amount: 5

Conc: 5



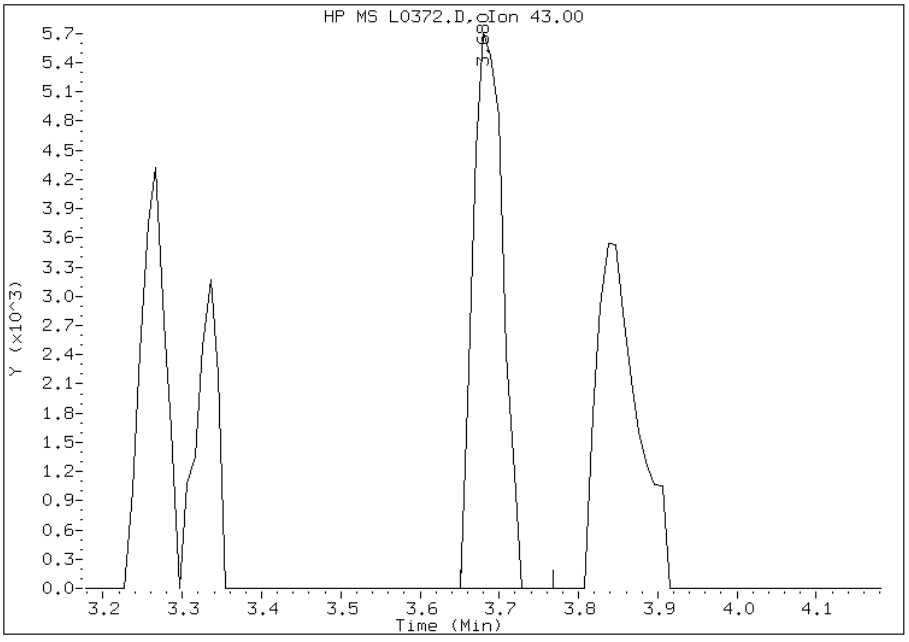
Manual Integration Results

RT: 3.68

Response: 15362

Amount: 5

Conc: 5



Manually Integrated By: eon
Manual Integration Reason:

Manual Integration Report

Data File: L0372.D
Inj. Date and Time: 14-JUL-2011 21:02
Instrument ID: msl.i
Client ID: IC;5
Compound: 105 1,3,5-Trimethylbenzene
CAS #: 108-67-8
Report Date: 07/26/2011

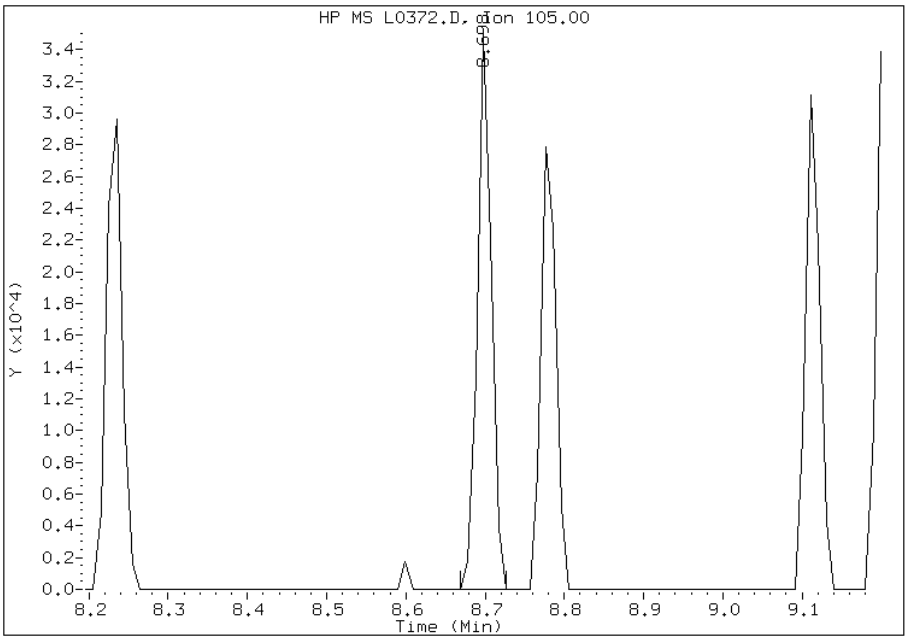
Processing Integration Results

RT: 8.70

Response: 44851

Amount: 5

Conc: 5



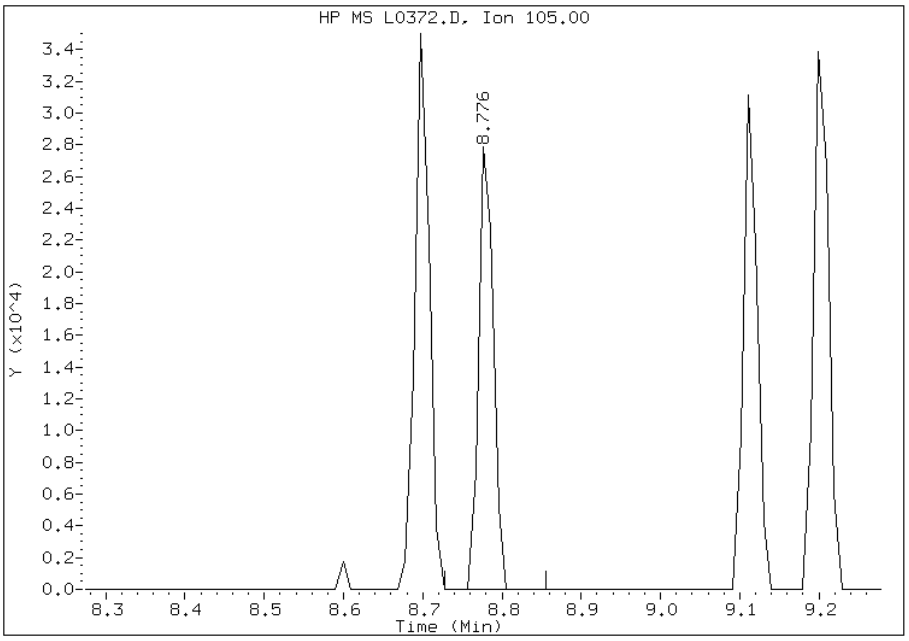
Manual Integration Results

RT: 8.78

Response: 37266

Amount: 5

Conc: 5



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

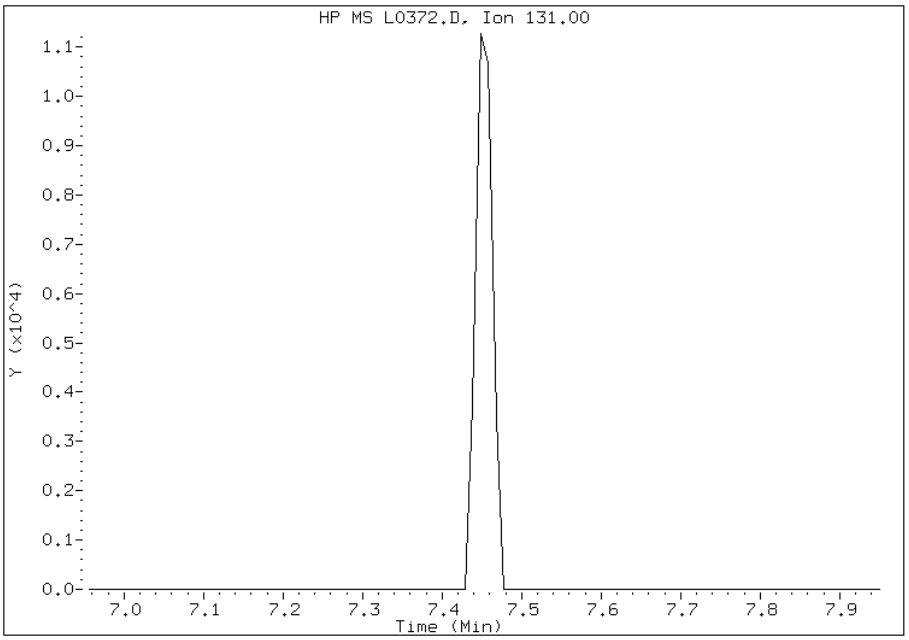
Manual Integration Report

Data File: L0372.D
Inj. Date and Time: 14-JUL-2011 21:02
Instrument ID: msl.i
Client ID: IC;5
Compound: 89 1,1,1,2-Tetrachloroethane
CAS #: 630-20-6
Report Date: 07/26/2011

Processing Integration Results

Not Detected

Expected RT: 7.45



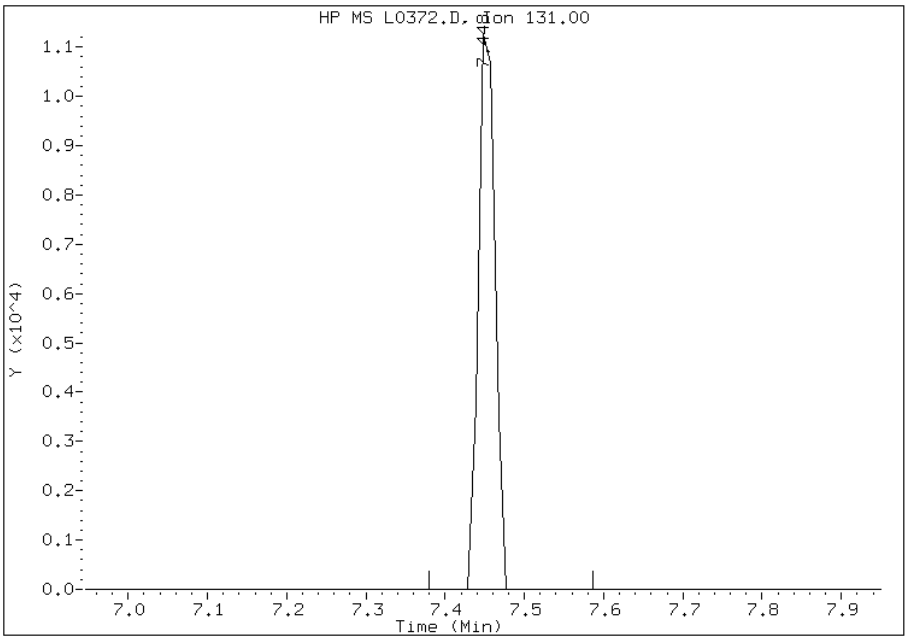
Manual Integration Results

RT: 7.45

Response: 17216

Amount: 5

Conc: 5



Manually Integrated By: eon
Manual Integration Reason:

Manual Integration Report

Data File: L0372.D
Inj. Date and Time: 14-JUL-2011 21:02
Instrument ID: msl.i
Client ID: IC;5
Compound: 21 Acetone
CAS #: 67-64-1
Report Date: 07/26/2011

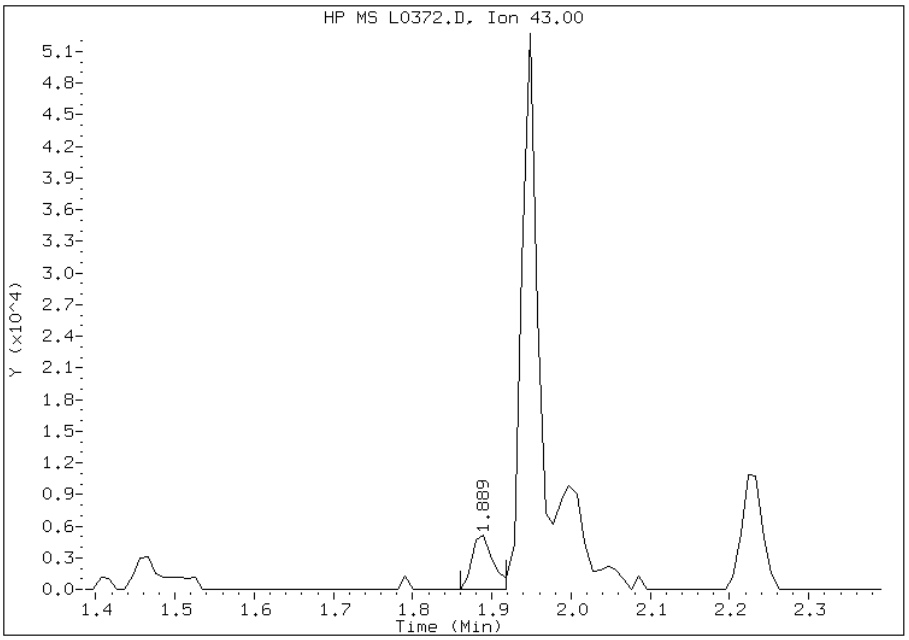
Processing Integration Results

RT: 1.89

Response: 9865

Amount: 7

Conc: 7



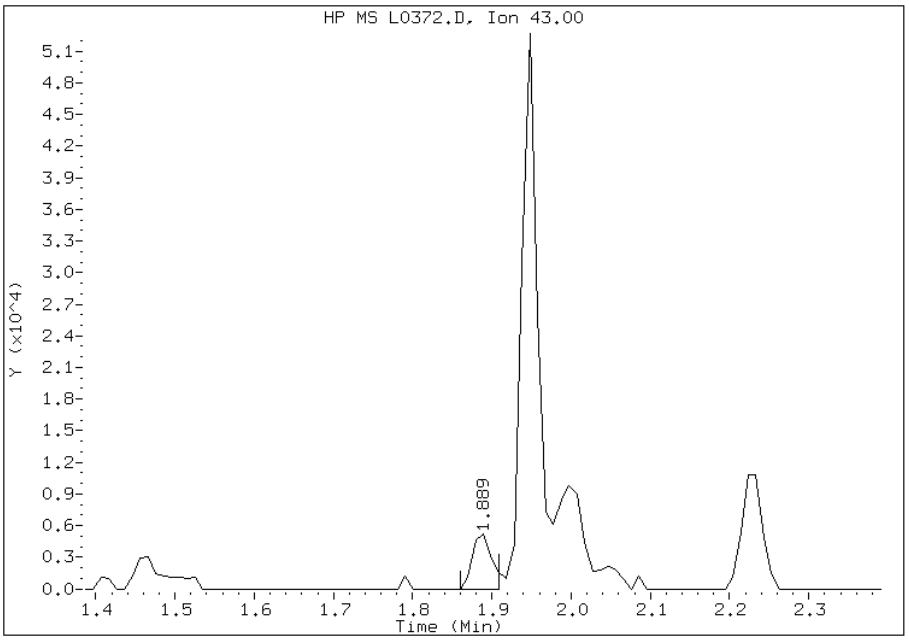
Manual Integration Results

RT: 1.89

Response: 9461

Amount: 10

Conc: 10



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

Manual Integration Report

Data File: L0372.D
Inj. Date and Time: 14-JUL-2011 21:02
Instrument ID: msl.i
Client ID: IC;5
Compound: 71 Chloroacetonitrile
CAS #: 107-14-2
Report Date: 07/26/2011

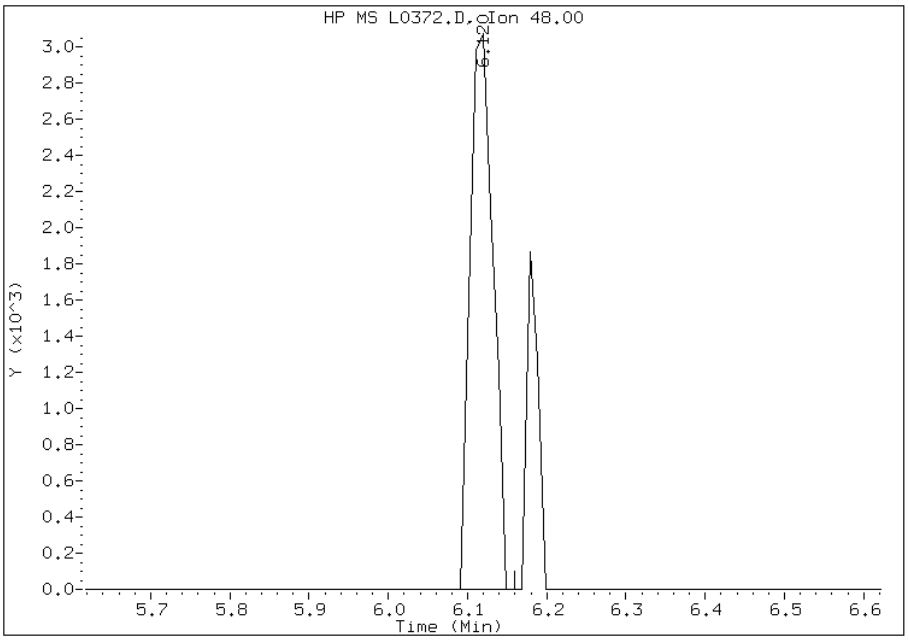
Processing Integration Results

RT: 6.12

Response: 6344

Amount: 185

Conc: 185



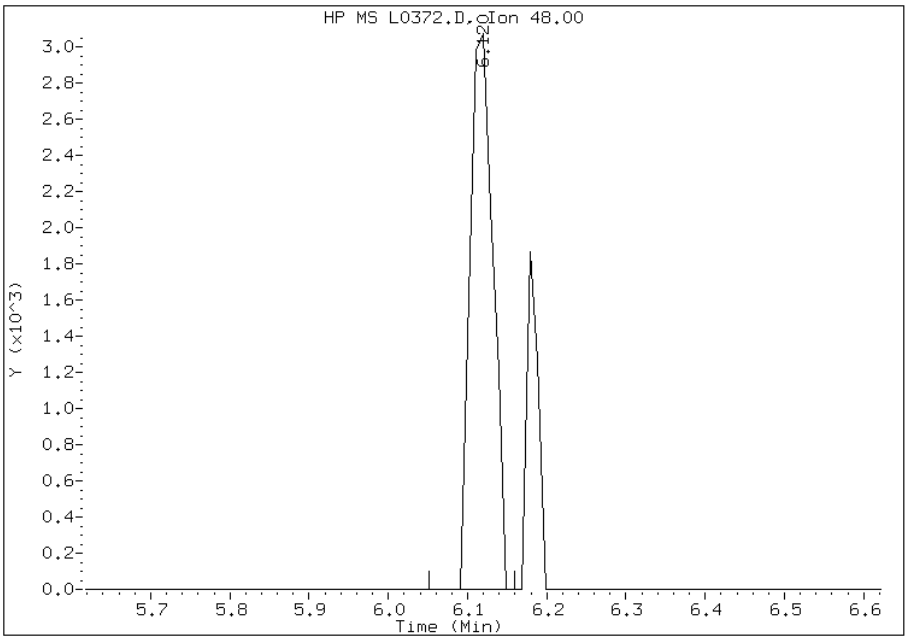
Manual Integration Results

RT: 6.12

Response: 6344

Amount: 6

Conc: 6



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

Manual Integration Report

Data File: L0372.D
Inj. Date and Time: 14-JUL-2011 21:02
Instrument ID: msl.i
Client ID: IC;5
Compound: 18 2-Propanol
CAS #: 67-63-0
Report Date: 07/26/2011

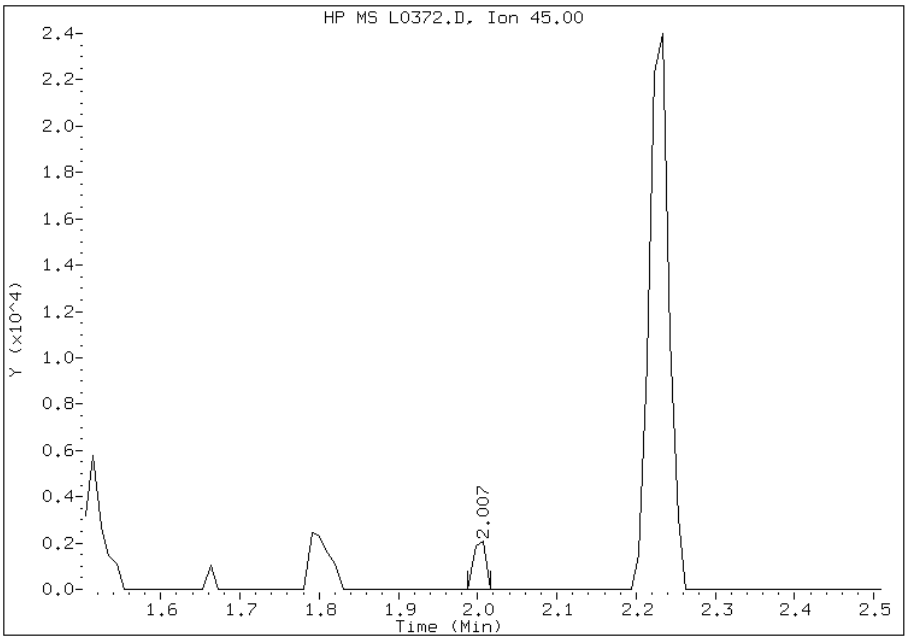
Processing Integration Results

RT: 2.01

Response: 2325

Amount: 8

Conc: 8



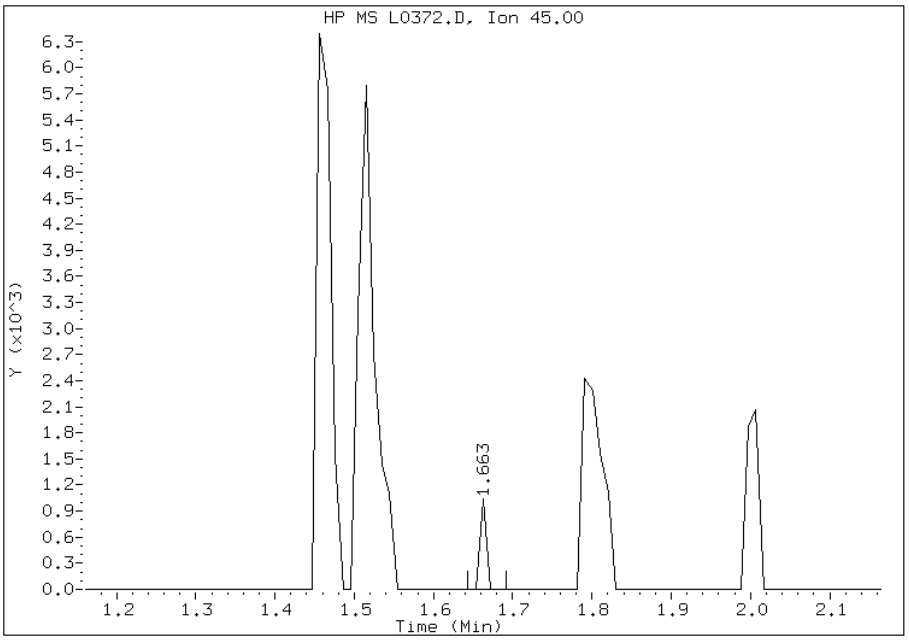
Manual Integration Results

RT: 1.66

Response: 612

Amount: 3

Conc: 3



Manually Integrated By: larryd
Manual Integration Reason: Undetected peak

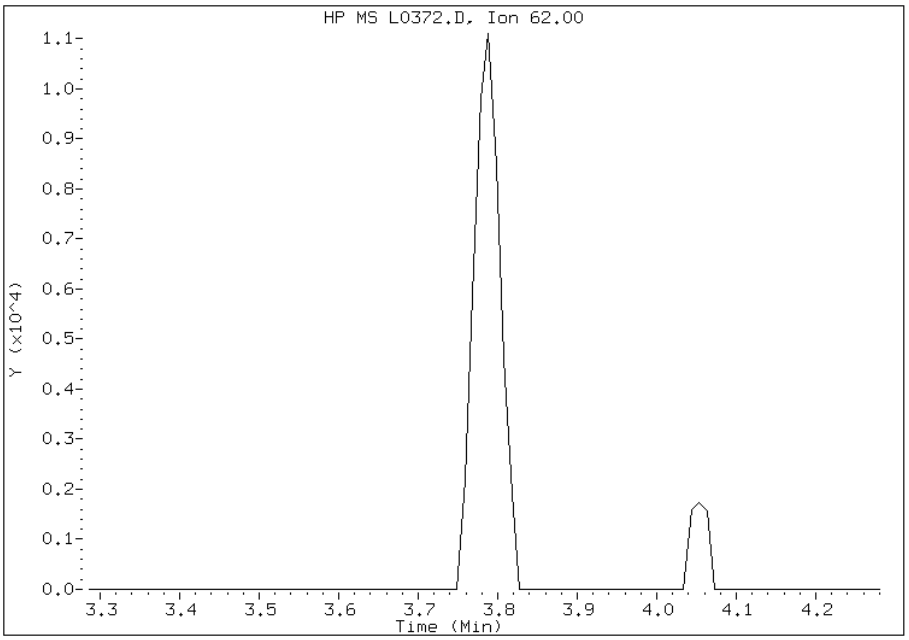
Manual Integration Report

Data File: L0372.D
Inj. Date and Time: 14-JUL-2011 21:02
Instrument ID: msl.i
Client ID: IC;5
Compound: 56 1,2-Dichloroethane
CAS #: 107-06-2
Report Date: 07/26/2011

Processing Integration Results

Not Detected

Expected RT: 3.78



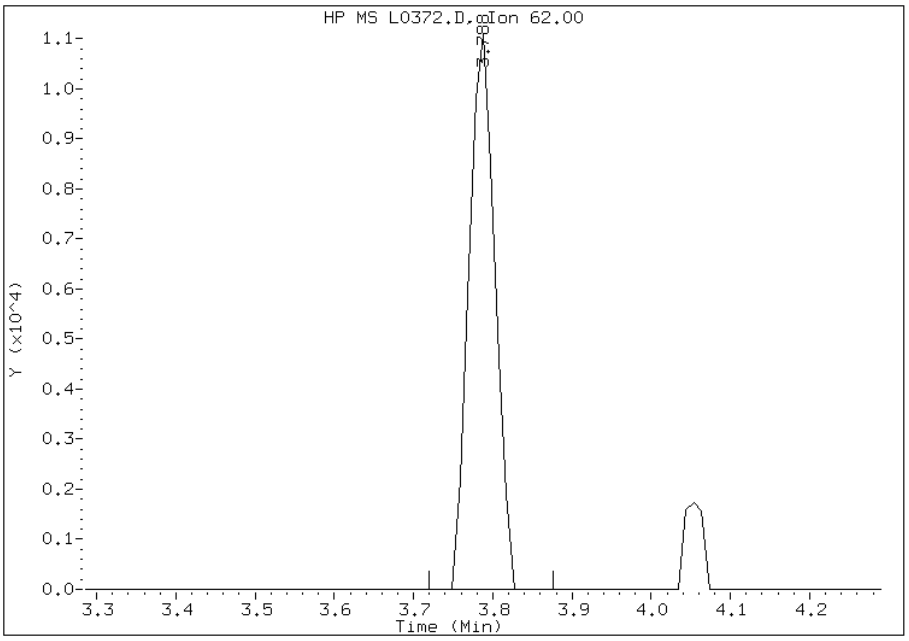
Manual Integration Results

RT: 3.79

Response: 25961

Amount: 5

Conc: 5



Manually Integrated By: eon
Manual Integration Reason:

Manual Integration Report

Data File: L0372.D
Inj. Date and Time: 14-JUL-2011 21:02
Instrument ID: msl.i
Client ID: IC;5
Compound: 87 1-Chlorohexane
CAS #: 544-10-5
Report Date: 07/26/2011

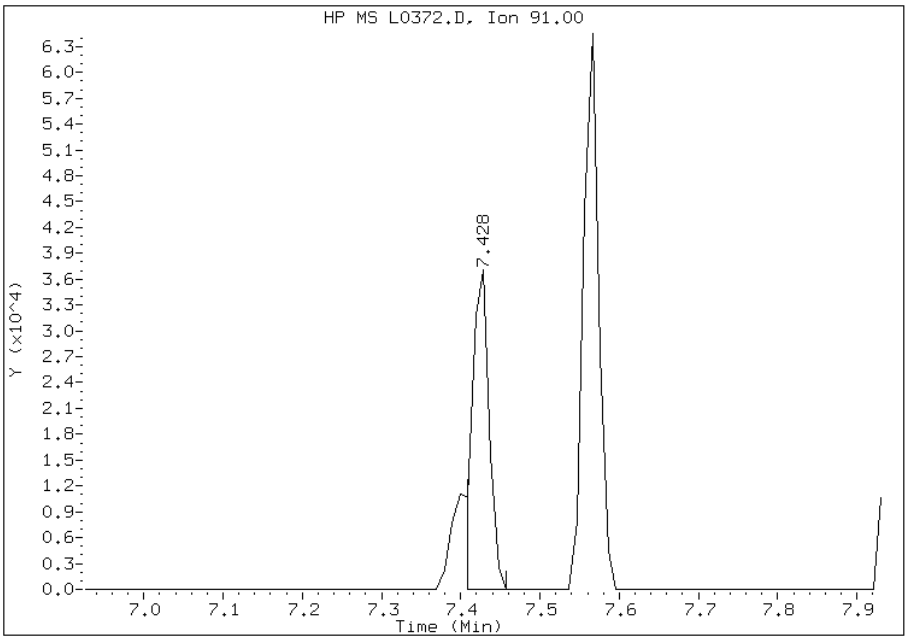
Processing Integration Results

RT: 7.43

Response: 57558

Amount: 19

Conc: 19



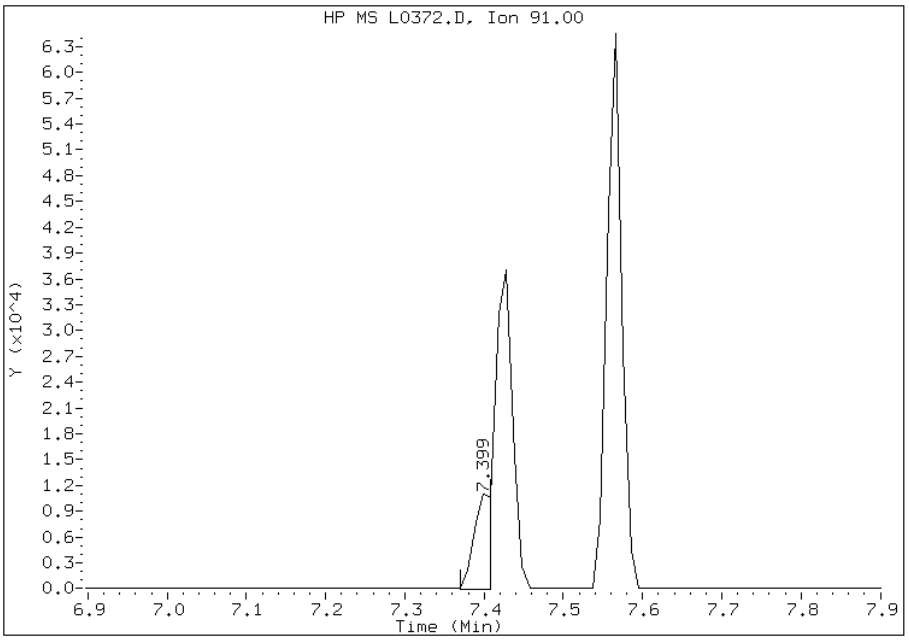
Manual Integration Results

RT: 7.40

Response: 18823

Amount: 6

Conc: 6



Manually Integrated By: eon
Manual Integration Reason:

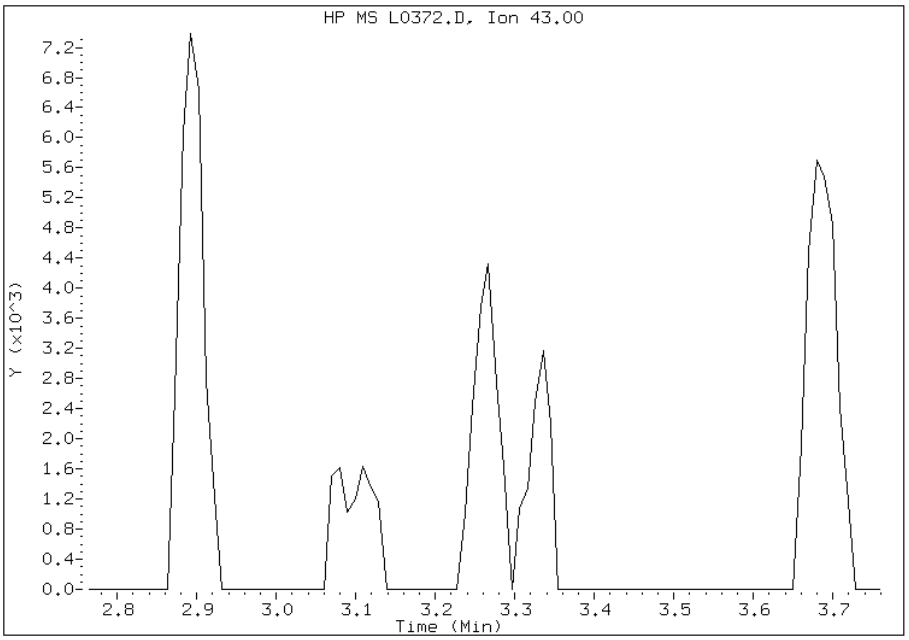
Manual Integration Report

Data File: L0372.D
Inj. Date and Time: 14-JUL-2011 21:02
Instrument ID: msl.i
Client ID: IC;5
Compound: 45 2-Butanone
CAS #: 78-93-3
Report Date: 07/26/2011

Processing Integration Results

Not Detected

Expected RT: 3.26



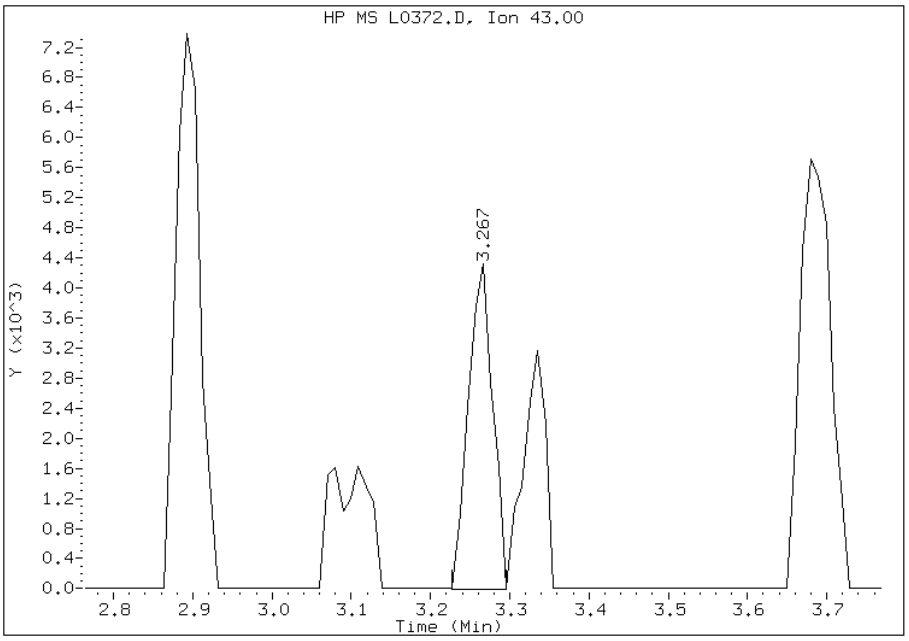
Manual Integration Results

RT: 3.27

Response: 9424

Amount: 5

Conc: 5



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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52854

SDG No.:

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

Calibration Start Date: 07/13/2011 14:31 Calibration End Date: 07/13/2011 16:47 Calibration ID: 11462

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52854/6	V2196.D
Level 2	IC 220-52854/5	V2195.D
Level 3	IC 220-52854/4	V2194.D
Level 4	ICIS 220-52854/3	V2193.D
Level 5	IC 220-52854/2	V2192.D
Level 6	IC 220-52854/1	V2191.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1691 0.2097	0.2321	0.1966	0.2302	0.2303	Ave		0.2113				11.9		15.0			
Chloromethane	0.2497 0.2302	0.2468	0.2058	0.2204	0.2247	Ave		0.2296			0.1000	7.2		15.0			
Vinyl chloride	0.1655 0.2285	0.2278	0.2037	0.2318	0.2379	Ave		0.2159				12.6		30.0			
Bromomethane	0.1569 0.1244	0.1437	0.1302	0.1249	0.1301	Ave		0.1350				9.5		15.0			
Chloroethane	0.1208 0.0982	0.1197	0.1159	0.1121	0.0989	Ave		0.1109				9.1		15.0			
Trichlorofluoromethane	0.3930 0.4656	0.4627	0.4239	0.4490	0.4350	Ave		0.4382				6.2		15.0			
Dichlorofluoromethane	0.3962 0.3652	0.3635	0.3479	0.3680	0.3429	Ave		0.3640				5.2		15.0			
Ethyl ether	0.1549 0.1213	0.1681	0.1291	0.1253	0.1208	Ave		0.1366				14.6		15.0			
Ethanol	0.0053 0.0081	0.0094	0.0062	0.0077	0.0079	Lin	0.2469	0.0081							0.9997		
1,1-Dichloroethene	0.1247 0.1913	0.1804	0.1749	0.1892	0.1815	Ave		0.1737				14.2		30.0			
Carbon disulfide	0.7591 0.7052	0.7520	0.6472	0.7448	0.6959	Ave		0.7174				6.0		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2680 0.2300	0.2415	0.2091	0.2346	0.2299	Ave		0.2355				8.2		15.0			
Iodomethane	0.1955 0.2979	0.2071	0.2363	0.2676	0.2863	Lin	0.0432	0.2991							0.9995		
Acrolein	0.0377 0.0363	0.0376	0.0330	0.0350	0.0354	Ave		0.0358				4.9		15.0			
3-Chloro-1-propene	0.3274 0.3226	0.3234	0.2901	0.3043	0.3106	Ave		0.3131				4.6		15.0			

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52854

SDG No.:

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

Calibration Start Date: 07/13/2011 14:31 Calibration End Date: 07/13/2011 16:47 Calibration ID: 11462

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methylene Chloride	+++++ 0.2361	0.5104	0.3356	0.2670	0.2343	Ave		0.3167				36.6	*	15.0			
Isopropyl alcohol	0.0550 0.0295	0.0300	0.0232	0.0287	0.0325	Lin	-0.004	0.0300							0.9970		
Acetone	+++++ 0.0748	0.1098	0.0692	0.0582	0.0628	Ave		0.0750				27.3	*	15.0			
trans-1,2-Dichloroethene	0.2358 0.2371	0.2141	0.2117	0.2395	0.2276	Ave		0.2276				5.3		15.0			
Methyl acetate	0.9161 0.9800	1.0038	0.8661	0.9221	0.9622	Ave		0.9417				5.3		15.0			
Methyl tert-butyl ether	0.6414 0.7732	0.7586	0.7128	0.7294	0.7540	Ave		0.7282				6.6		15.0			
tert-Butyl alcohol	0.0364 0.0298	0.0307	0.0296	0.0291	0.0311	Ave		0.0311				8.6		15.0			
Acetonitrile	0.0240 0.0283	0.0218	0.0225	0.0251	0.0273	Ave		0.0248				10.4		15.0			
Isopropyl ether	0.6924 0.7187	0.6766	0.6382	0.7011	0.7001	Ave		0.6879				4.1		15.0			
2-Chloro-1,3-butadiene	0.1777 0.2325	0.2086	0.1884	0.2134	0.2244	Ave		0.2075				10.1		15.0			
1,1-Dichloroethane	0.4999 0.4373	0.4139	0.4036	0.4217	0.4232	Ave		0.4333			0.1000	8.0		15.0			
Acrylonitrile	0.0923 0.0963	0.0766	0.0830	0.0934	0.0935	Ave		0.0892				8.6		15.0			
Tert-butyl ethyl ether	0.5474 0.7813	0.7282	0.6597	0.7450	0.7517	Ave		0.7022				12.3		15.0			
Vinyl acetate	0.4334 0.5805	0.4811	0.4679	0.5294	0.5638	Ave		0.5093				11.4		15.0			
cis-1,2-Dichloroethene	0.2896 0.2772	0.3027	0.2556	0.2722	0.2617	Ave		0.2765				6.3		15.0			
2,2-Dichloropropane	0.3452 0.4112	0.3705	0.3321	0.3781	0.3685	Ave		0.3676				7.5		15.0			
Bromochloromethane	0.1336 0.1429	0.1362	0.1389	0.1443	0.1399	Ave		0.1393				2.9		15.0			
Cyclohexane	0.3293 0.3415	0.2598	0.2735	0.3330	0.3288	Ave		0.3110				11.2		15.0			
Chloroform	0.7125 0.4945	0.5173	0.4566	0.4750	0.4682	Ave		0.5207				18.5		30.0			
Carbon tetrachloride	0.4219 0.4299	0.4583	0.3885	0.4114	0.4133	Ave		0.4205				5.5		15.0			

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52854

SDG No.:

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

Calibration Start Date: 07/13/2011 14:31 Calibration End Date: 07/13/2011 16:47 Calibration ID: 11462

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Tetrahydrofuran	0.0887 0.0794	0.0794	0.0669	0.0730	0.0806	Ave		0.0780				9.4		15.0			
Methyl acrylate	0.2698 0.2454	0.2035	0.2091	0.2287	0.2411	Ave		0.2329				10.6		15.0			
Ethyl acetate	0.0409 0.0305	0.0314	0.0256	0.0275	0.0290	Lin	0.0619	0.0304							0.9992		
1,1,1-Trichloroethane	0.3586 0.4794	0.4223	0.4199	0.4408	0.4537	Ave		0.4291				9.5		15.0			
1,1-Dichloropropene	0.3271 0.3626	0.3240	0.3191	0.3381	0.3476	Ave		0.3364				4.9		15.0			
Methyl Ethyl Ketone	+++++ 0.1221	0.0940	0.1041	0.1079	0.1121	Ave		0.1080				9.6		15.0			
1-Chlorobutane	0.3192 0.4679	0.4281	0.3991	0.4536	0.4539	Ave		0.4203				13.1		15.0			
Benzene	0.9723 1.0221	0.9921	0.8977	0.9930	0.9961	Ave		0.9789				4.4		15.0			
Propionitrile	0.0324 0.0369	0.0342	0.0347	0.0357	0.0358	Ave		0.0350				4.5		15.0			
Methacrylonitrile	0.1653 0.1466	0.1526	0.1241	0.1330	0.1408	Ave		0.1438				10.1		15.0			
Tert-amyl methyl ether	0.5632 0.7412	0.6483	0.6185	0.6922	0.7198	Ave		0.6639				10.1		15.0			
Heptane	0.1822 0.2183	0.1850	0.1771	0.1960	0.2089	Ave		0.1946				8.4		15.0			
1,2-Dichloroethane	0.3597 0.3799	0.3733	0.3498	0.3511	0.3518	Ave		0.3609				3.6		15.0			
Isobutyl alcohol	0.0046 0.0062	0.0062	0.0055	0.0060	0.0063	Ave		0.0058				11.6		15.0			
Methylcyclohexane	0.3200 0.4393	0.4540	0.3510	0.4178	0.4270	Ave		0.4015				13.3		15.0			
Trichloroethene	0.3099 0.2901	0.2734	0.2626	0.2935	0.2790	Ave		0.2847				5.9		15.0			
Dibromomethane	0.1884 0.1951	0.1854	0.1686	0.1867	0.1924	Ave		0.1861				5.0		15.0			
1,2-Dichloropropane	0.2295 0.2624	0.2642	0.2461	0.2553	0.2594	Ave		0.2528				5.2		30.0			
Bromodichloromethane	0.4272 0.3969	0.3802	0.3383	0.3668	0.3760	Ave		0.3809				7.8		15.0			
Methyl methacrylate	0.2558 0.2174	0.1628	0.1615	0.1978	0.2112	Lin	0.0380	0.2184							0.9996		

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52854

SDG No.:

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

Calibration Start Date: 07/13/2011 14:31 Calibration End Date: 07/13/2011 16:47 Calibration ID: 11462

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.0069 0.0022	0.0036	0.0026	0.0022	0.0025	Lin	-0.552	0.0022							0.9943		
2-Chloroethyl vinyl ether	0.1522 0.1727	0.1324	0.1324	0.1626	0.1684	Ave		0.1535				11.5		15.0			
cis-1,3-Dichloropropene	0.3466 0.4577	0.4263	0.3760	0.4255	0.4380	Ave		0.4117				10.1		15.0			
Toluene	1.2961 1.5060	1.4883	1.2729	1.5490	1.4838	Ave		1.4327				8.2		30.0			
Chloroacetonitrile	0.0092 0.0094	0.0096	0.0076	0.0088	0.0093	Ave		0.0090				8.1		15.0			
2-Nitropropane	0.0748 0.0693	0.0609	0.0623	0.0596	0.0649	Ave		0.0653				8.8		15.0			
1,1-Dichloro-2-propanone	0.1626 0.1673	0.1554	0.1581	0.1668	0.1712	Ave		0.1636				3.7		15.0			
Tetrachloroethene	0.2203 0.3212	0.3385	0.3147	0.3408	0.3274	Ave		0.3105				14.6		15.0			
methyl isobutyl ketone	0.3738 0.3147	0.2558	0.2532	0.3114	0.3142	Ave		0.3038				14.7		15.0			
trans-1,3-Dichloropropene	0.4084 0.4434	0.4220	0.3841	0.4106	0.4334	Ave		0.4170				5.0		15.0			
1,1,2-Trichloroethane	0.2299 0.2515	0.2281	0.2324	0.2407	0.2449	Ave		0.2379				3.9		15.0			
Ethyl methacrylate	0.3206 0.4303	0.3606	0.3325	0.4101	0.4272	Ave		0.3802				12.8		15.0			
Dibromochloromethane	0.5473 0.4566	0.4343	0.4243	0.4581	0.4534	Ave		0.4623				9.5		15.0			
1,3-Dichloropropane	0.5048 0.5396	0.5521	0.4960	0.5592	0.5425	Ave		0.5324				4.9		15.0			
1,2-Dibromoethane	0.3581 0.3640	0.3485	0.3456	0.3810	0.3830	Ave		0.3634				4.4		15.0			
2-Hexanone	0.1663 0.2180	0.1788	0.1796	0.2065	0.2178	Ave		0.1945				11.5		15.0			
Chlorobenzene	0.9328 0.9766	1.0232	0.8842	0.9826	0.9779	Ave		0.9629			0.3000	5.0		15.0			
1-Chlorohexane	0.1875 0.5465	0.2987	0.2450	0.4199	0.4416	Lin	0.1240	0.5478							0.9913		
Ethylbenzene	0.4974 0.5489	0.4822	0.4705	0.5506	0.5491	Ave		0.5164				7.2		30.0			
1,1,1,2-Tetrachloroethane	0.3397 0.4002	0.3990	0.3639	0.4180	0.4011	Ave		0.3870				7.5		15.0			

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52854

SDG No.:

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

Calibration Start Date: 07/13/2011 14:31 Calibration End Date: 07/13/2011 16:47 Calibration ID: 11462

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
m&p-Xylene	0.4705 0.6784	0.5936	0.5317	0.6760	0.6762	Ave		0.6044				14.6		15.0			
o-Xylene	0.4758 0.6515	0.5484	0.5340	0.6066	0.6296	Ave		0.5743				11.6		15.0			
Bromoform	0.3654 0.3368	0.3495	0.3231	0.3533	0.3389	Ave		0.3445			0.1000	4.3		15.0			
Styrene	0.7767 1.0795	0.9115	0.8866	1.0444	1.0664	Ave		0.9608				12.7		15.0			
Isopropylbenzene	1.9989 2.4412	2.2115	2.0694	2.6621	2.5516	Ave		2.3225				11.6		15.0			
Bromobenzene	0.7862 0.7707	0.8911	0.7498	0.8548	0.8051	Ave		0.8096				6.6		15.0			
N-Propylbenzene	2.9812 3.1097	2.8854	2.6371	3.3882	3.1999	Ave		3.0336				8.6		15.0			
1,1,2,2-Tetrachloroethane	0.7709 0.6951	0.8160	0.7060	0.7882	0.7447	Ave		0.7535			0.3000	6.3		15.0			
4-Ethyltoluene	2.2568 2.6994	2.3293	2.3077	2.9109	2.7216	Ave		2.5376				10.8		15.0			
2-Chlorotoluene	2.2842 2.2124	2.2845	2.0623	2.3923	2.2917	Ave		2.2546				4.9		15.0			
1,2,3-Trichloropropane	0.2658 0.2150	0.2453	0.2149	0.2417	0.2286	Ave		0.2352				8.4		15.0			
1,3,5-Trimethylbenzene	1.6267 2.3479	2.1801	2.0150	2.5623	2.4037	Ave		2.1893				15.2	*	15.0			
trans-1,4-Dichloro-2-butene	0.2290 0.2033	0.2020	0.1899	0.2179	0.2041	Ave		0.2077				6.6		15.0			
4-Chlorotoluene	1.9171 2.0667	2.0476	1.9336	2.2834	2.0971	Ave		2.0576				6.4		15.0			
tert-Butylbenzene	1.5148 1.9953	1.8494	1.7527	2.1110	2.0417	Ave		1.8775				11.7		15.0			
1,2,4-Trimethylbenzene	2.1543 2.4144	2.1346	2.0346	2.5860	2.4946	Ave		2.3031				9.7		15.0			
sec-Butylbenzene	2.0037 2.9314	2.5834	2.4207	3.0992	2.9680	Ave		2.6677				15.5	*	15.0			
4-Isopropyltoluene	1.6485 2.5170	2.2068	2.0087	2.6403	2.5648	Ave		2.2643				17.0	*	15.0			
1,3-Dichlorobenzene	1.6938 1.4430	1.4928	1.3392	1.5536	1.4864	Ave		1.5014				7.9		15.0			
1,4-Dichlorobenzene	1.9340 1.4827	1.5931	1.3918	1.5687	1.4764	Ave		1.5744				12.1		15.0			

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52854

SDG No.:

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

Calibration Start Date: 07/13/2011 14:31 Calibration End Date: 07/13/2011 16:47 Calibration ID: 11462

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
p-Diethylbenzene	1.1714 1.3273	1.1662	1.0528	1.2778	1.3072	Ave		1.2171				8.7		15.0			
Benzyl chloride	0.2501 0.3378	0.2836	0.3032	0.3201	0.3154	Ave		0.3017				10.3		15.0			
n-Butylbenzene	2.5883 2.4032	2.1897	1.9958	2.5056	2.3786	Ave		2.3435				9.3		15.0			
1,2-Dichlorobenzene	1.3886 1.4237	1.4977	1.3554	1.5039	1.4172	Ave		1.4311				4.1		15.0			
1,2,4,5-Tetramethylbenzene	2.1691 2.5840	2.2796	1.9368	2.4494	2.5050	Ave		2.3206				10.4		15.0			
1,2-Dibromo-3-Chloropropane	0.1524 0.1690	0.2052	0.1797	0.1710	0.1699	Ave		0.1745				10.0		15.0			
Nitrobenzene	0.1240 0.0790	0.0946	0.0816	0.0830	0.0859	Lin	-0.306	0.0797							0.9983		
Hexachlorobutadiene	1.0582 0.5405	0.6416	0.5494	0.5977	0.5510	Ave		0.6564				30.6	*	15.0			
1,2,4-Trichlorobenzene	1.6250 1.2222	1.2088	1.2006	1.2313	1.2136	Ave		1.2836				13.1		15.0			
Naphthalene	3.4950 2.6596	2.8162	2.6057	2.7906	2.8143	Ave		2.8636				11.2		15.0			
1,2,3-Trichlorobenzene	1.4724 1.1123	1.3644	1.2218	1.1921	1.1455	Ave		1.2514				11.1		15.0			
Dibromofluoromethane	+++++ 0.2939	0.2781	0.2555	0.2856	0.2830	Ave		0.2792				5.2		15.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.3419	0.3507	0.3202	0.3262	0.3276	Ave		0.3333				3.8		15.0			
Toluene-d8 (Surr)	+++++ 1.3084	1.2966	1.1874	1.3464	1.3158	Ave		1.2909				4.7		15.0			
4-Bromofluorobenzene	+++++ 0.8045	0.8842	0.7487	0.8629	0.8281	Ave		0.8257				6.4		15.0			

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52854

SDG No.:

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

Calibration Start Date: 07/13/2011 14:31 Calibration End Date: 07/13/2011 16:47 Calibration ID: 11462

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52854/6	V2196.D
Level 2	IC 220-52854/5	V2195.D
Level 3	IC 220-52854/4	V2194.D
Level 4	ICIS 220-52854/3	V2193.D
Level 5	IC 220-52854/2	V2192.D
Level 6	IC 220-52854/1	V2191.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	1947 494587	11500	25816	125252	298111	0.500 100	2.00	5.00	20.0	50.0
Chloromethane	FB	Ave	2876 542859	12230	27028	119895	290933	0.500 100	2.00	5.00	20.0	50.0
Vinyl chloride	FB	Ave	1906 539071	11286	26754	126083	307934	0.500 100	2.00	5.00	20.0	50.0
Bromomethane	FB	Ave	1807 293348	7119	17093	67934	168369	0.500 100	2.00	5.00	20.0	50.0
Chloroethane	FB	Ave	1391 231726	5932	15215	60994	127972	0.500 100	2.00	5.00	20.0	50.0
Trichlorofluoromethane	FB	Ave	4526 1098281	22927	55658	244237	563073	0.500 100	2.00	5.00	20.0	50.0
Dichlorofluoromethane	FB	Ave	4563 861285	18013	45685	200210	443960	0.500 100	2.00	5.00	20.0	50.0
Ethyl ether	FB	Ave	1784 286210	8328	16958	68147	156444	0.500 100	2.00	5.00	20.0	50.0
Ethanol	FB	Lin	615 191749	4672	8166	41827	102373	5.00 1000	20.0	50.0	200	500
1,1-Dichloroethene	FB	Ave	1436 451326	8937	22966	102932	234946	0.500 100	2.00	5.00	20.0	50.0
Carbon disulfide	FB	Ave	8743 1663428	37261	84987	405172	900832	0.500 100	2.00	5.00	20.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	3087 542608	11965	27460	127593	297629	0.500 100	2.00	5.00	20.0	50.0
Iodomethane	FB	Lin	2251 702621	10264	31029	145560	370659	0.500 100	2.00	5.00	20.0	50.0
Acrolein	FB	Ave	2170 428235	9319	21692	95291	228959	2.50 500	10.0	25.0	100	250
3-Chloro-1-propene	FB	Ave	3771 760832	16026	38093	165511	402151	0.500 100	2.00	5.00	20.0	50.0
Methylene Chloride	FB	Ave	+++++ 556983	25289	44065	145254	303256	+++++ 100	2.00	5.00	20.0	50.0

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52854

SDG No.:

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

Calibration Start Date: 07/13/2011 14:31 Calibration End Date: 07/13/2011 16:47 Calibration ID: 11462

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Isopropyl alcohol	FB	Lin	634 69533	1485	3043	15607	42104	0.500 100	2.00	5.00	20.0	50.0
Acetone	FB	Ave	+++++ 176478	5442	9085	31681	81294	+++++ 100	2.00	5.00	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	2716 559161	10607	27794	130294	294595	0.500 100	2.00	5.00	20.0	50.0
Methyl acetate	FB	Ave	10551 2311529	49740	113731	501595	1245663	0.500 100	2.00	5.00	20.0	50.0
Methyl tert-butyl ether	FB	Ave	7387 1823783	37588	93603	396800	976140	0.500 100	2.00	5.00	20.0	50.0
tert-Butyl alcohol	FB	Ave	2094 351160	7610	19418	79248	201219	2.50 500	10.0	25.0	100	250
Acetonitrile	FB	Ave	2769 667089	10815	29507	136503	352798	5.00 1000	20.0	50.0	200	500
Isopropyl ether	FB	Ave	7974 1695198	33529	83809	381367	906353	0.500 100	2.00	5.00	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	2047 548320	10338	24737	116074	290479	0.500 100	2.00	5.00	20.0	50.0
1,1-Dichloroethane	FB	Ave	5757 1031382	20510	53002	229379	547868	0.500 100	2.00	5.00	20.0	50.0
Acrylonitrile	FB	Ave	2125 454403	7591	21807	101669	242155	1.00 200	4.00	10.0	40.0	100
Tert-butyl ethyl ether	FB	Ave	6304 1842958	36085	86626	405270	973098	0.500 100	2.00	5.00	20.0	50.0
Vinyl acetate	FB	Ave	4991 1369162	23840	61436	288013	729913	0.500 100	2.00	5.00	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	3335 653950	14998	33565	148086	338841	0.500 100	2.00	5.00	20.0	50.0
2,2-Dichloropropane	FB	Ave	3976 970019	18361	43612	205661	477070	0.500 100	2.00	5.00	20.0	50.0
Bromochloromethane	FB	Ave	1539 337048	6750	18245	78507	181055	0.500 100	2.00	5.00	20.0	50.0
Cyclohexane	FB	Ave	3793 805428	12876	35912	181127	425599	0.500 100	2.00	5.00	20.0	50.0
Chloroform	FB	Ave	8206 1166277	25633	59957	258413	606160	0.500 100	2.00	5.00	20.0	50.0
Carbon tetrachloride	FB	Ave	4859 1013963	22709	51012	223773	535029	0.500 100	2.00	5.00	20.0	50.0
Tetrahydrofuran	FB	Ave	2042 374575	7868	17577	79454	208607	1.00 200	4.00	10.0	40.0	100
Methyl acrylate	FB	Ave	3107 578899	10084	27455	124385	312086	0.500 100	2.00	5.00	20.0	50.0

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52854

SDG No.:

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

Calibration Start Date: 07/13/2011 14:31 Calibration End Date: 07/13/2011 16:47 Calibration ID: 11462

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Ethyl acetate	FB	Lin	941 143750	3115	6731	29940	75107	1.00 200	4.00	10.0	40.0	100
1,1,1-Trichloroethane	FB	Ave	4130 1130761	20924	55141	239781	587295	0.500 100	2.00	5.00	20.0	50.0
1,1-Dichloropropene	FB	Ave	3767 855357	16054	41904	183922	449997	0.500 100	2.00	5.00	20.0	50.0
Methyl Ethyl Ketone	FB	Ave	+++++ 288091	4658	13673	58675	145148	+++++ 100	2.00	5.00	20.0	50.0
1-Chlorobutane	FB	Ave	3676 1103541	21211	52407	246780	587646	0.500 100	2.00	5.00	20.0	50.0
Benzene	FB	Ave	11198 2410919	49160	117875	540185	1289504	0.500 100	2.00	5.00	20.0	50.0
Propionitrile	FB	Ave	3733 871229	16956	45561	194150	463966	5.00 1000	20.0	50.0	200	500
Methacrylonitrile	FB	Ave	1904 345826	7564	16292	72377	182271	0.500 100	2.00	5.00	20.0	50.0
Tert-amyl methyl ether	FB	Ave	6486 1748234	32124	81213	376573	931822	0.500 100	2.00	5.00	20.0	50.0
Heptane	FB	Ave	2098 514886	9166	23254	106646	270482	0.500 100	2.00	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	4143 896164	18500	45930	190970	455465	0.500 100	2.00	5.00	20.0	50.0
Isobutyl alcohol	FB	Ave	526 147042	3091	7236	32647	81500	5.00 1000	20.0	50.0	200	500
Methylcyclohexane	FB	Ave	3685 1036255	22497	46087	227286	552824	0.500 100	2.00	5.00	20.0	50.0
Trichloroethene	FB	Ave	3569 684193	13547	34476	159636	361167	0.500 100	2.00	5.00	20.0	50.0
Dibromomethane	FB	Ave	2170 460128	9187	22133	101576	249024	0.500 100	2.00	5.00	20.0	50.0
1,2-Dichloropropane	FB	Ave	2643 618863	13090	32316	138896	335849	0.500 100	2.00	5.00	20.0	50.0
Bromodichloromethane	FB	Ave	4920 936060	18838	44425	199523	486700	0.500 100	2.00	5.00	20.0	50.0
Methyl methacrylate	FB	Lin	2946 512887	8065	21203	107583	273455	0.500 100	2.00	5.00	20.0	50.0
1,4-Dioxane	FB	Lin	789 51708	1760	3410	11919	32888	5.00 1000	20.0	50.0	200	500
2-Chloroethyl vinyl ether	FB	Ave	1753 407342	6563	17384	88443	218039	0.500 100	2.00	5.00	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	3992 1079485	21126	49367	231456	567082	0.500 100	2.00	5.00	20.0	50.0

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52854

SDG No.:

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

Calibration Start Date: 07/13/2011 14:31 Calibration End Date: 07/13/2011 16:47 Calibration ID: 11462

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toluene	CBZ	Ave	11100 2763170	54476	122566	612964	1446184	0.500 100	2.00	5.00	20.0	50.0
Chloroacetonitrile	FB	Ave	1064 221423	4767	9981	47733	119785	5.00 1000	20.0	50.0	200	500
2-Nitropropane	FB	Ave	1723 326892	6035	16361	64876	168010	1.00 200	4.00	10.0	40.0	100
1,1-Dichloro-2-propanone	CBZ	Ave	6961 1535102	28437	76097	330039	834124	2.50 500	10.0	25.0	100	250
Tetrachloroethene	CBZ	Ave	1887 589313	12388	30305	134855	319063	0.500 100	2.00	5.00	20.0	50.0
methyl isobutyl ketone	CBZ	Ave	3201 577371	9364	24381	123227	306249	0.500 100	2.00	5.00	20.0	50.0
trans-1,3-Dichloropropene	FB	Ave	4703 1045772	20912	50432	223342	561087	0.500 100	2.00	5.00	20.0	50.0
1,1,2-Trichloroethane	FB	Ave	2648 593325	11304	30517	130949	317085	0.500 100	2.00	5.00	20.0	50.0
Ethyl methacrylate	CBZ	Ave	2746 789562	13198	32016	162277	416364	0.500 100	2.00	5.00	20.0	50.0
Dibromochloromethane	CBZ	Ave	4687 837854	15895	40853	181270	441880	0.500 100	2.00	5.00	20.0	50.0
1,3-Dichloropropane	CBZ	Ave	4323 990078	20208	47759	221270	528765	0.500 100	2.00	5.00	20.0	50.0
1,2-Dibromoethane	CBZ	Ave	3067 667906	12757	33280	150786	373245	0.500 100	2.00	5.00	20.0	50.0
2-Hexanone	CBZ	Ave	1424 400052	6546	17292	81718	212322	0.500 100	2.00	5.00	20.0	50.0
Chlorobenzene	CBZ	Ave	7989 1791930	37450	85141	388838	953051	0.500 100	2.00	5.00	20.0	50.0
1-Chlorohexane	CBZ	Lin	1606 1002800	10932	23589	166172	430414	0.500 100	2.00	5.00	20.0	50.0
Ethylbenzene	CBZ	Ave	4260 1007148	17649	45301	217869	535189	0.500 100	2.00	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	2909 734211	14604	35041	165419	390957	0.500 100	2.00	5.00	20.0	50.0
m&p-Xylene	CBZ	Ave	8059 2489656	43453	102402	535050	1318021	1.00 200	4.00	10.0	40.0	100
o-Xylene	CBZ	Ave	4075 1195403	20072	51420	240028	613650	0.500 100	2.00	5.00	20.0	50.0
Bromoform	CBZ	Ave	3129 617879	12793	31111	139794	330323	0.500 100	2.00	5.00	20.0	50.0
Styrene	CBZ	Ave	6652 1980647	33361	85368	413296	1039389	0.500 100	2.00	5.00	20.0	50.0

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52854

SDG No.:

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

Calibration Start Date: 07/13/2011 14:31 Calibration End Date: 07/13/2011 16:47 Calibration ID: 11462

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Isopropylbenzene	DCB	Ave	9184 2756445	44619	113774	583064	1448845	0.500 100	2.00	5.00	20.0	50.0
Bromobenzene	DCB	Ave	3612 870249	17979	41222	187226	457117	0.500 100	2.00	5.00	20.0	50.0
N-Propylbenzene	DCB	Ave	13697 3511295	58217	144985	742097	1816956	0.500 100	2.00	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCB	Ave	3542 784861	16463	38815	172627	422867	0.500 100	2.00	5.00	20.0	50.0
4-Ethyltoluene	DCB	Ave	10369 3048010	46996	126879	637538	1545342	0.500 100	2.00	5.00	20.0	50.0
2-Chlorotoluene	DCB	Ave	10495 2498054	46093	113385	523973	1301235	0.500 100	2.00	5.00	20.0	50.0
1,2,3-Trichloropropane	DCB	Ave	1221 242791	4950	11815	52936	129821	0.500 100	2.00	5.00	20.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	7474 2651116	43987	110786	561192	1364868	0.500 100	2.00	5.00	20.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	2104 459179	8153	20879	95436	231726	1.00 200	4.00	10.0	40.0	100
4-Chlorotoluene	DCB	Ave	8808 2333624	41313	106309	500116	1190776	0.500 100	2.00	5.00	20.0	50.0
tert-Butylbenzene	DCB	Ave	6960 2252901	37314	96363	462358	1159284	0.500 100	2.00	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	9898 2726147	43068	111864	566393	1416455	0.500 100	2.00	5.00	20.0	50.0
sec-Butylbenzene	DCB	Ave	9206 3309885	52123	133092	678798	1685249	0.500 100	2.00	5.00	20.0	50.0
4-Isopropyltoluene	DCB	Ave	7574 2841976	44525	110439	578288	1456298	0.500 100	2.00	5.00	20.0	50.0
1,3-Dichlorobenzene	DCB	Ave	7782 1629290	30119	73630	340272	843973	0.500 100	2.00	5.00	20.0	50.0
1,4-Dichlorobenzene	DCB	Ave	8886 1674140	32143	76522	343567	838303	0.500 100	2.00	5.00	20.0	50.0
p-Diethylbenzene	DCB	Ave	5382 1498688	23530	57881	279858	742234	0.500 100	2.00	5.00	20.0	50.0
Benzyl chloride	DCB	Ave	1149 381467	5721	16668	70099	179084	0.500 100	2.00	5.00	20.0	50.0
n-Butylbenzene	DCB	Ave	11892 2713555	44181	109730	548784	1350577	0.500 100	2.00	5.00	20.0	50.0
1,2-Dichlorobenzene	DCB	Ave	6380 1607587	30218	74518	329388	804721	0.500 100	2.00	5.00	20.0	50.0
1,2,4,5-Tetramethylbenzene	DCB	Ave	9966 2917639	45993	106486	536463	1422391	0.500 100	2.00	5.00	20.0	50.0

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52854

SDG No.:

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

Calibration Start Date: 07/13/2011 14:31 Calibration End Date: 07/13/2011 16:47 Calibration ID: 11462

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2-Dibromo-3-Chloropropane	DCB	Ave	700 190856	4140	9878	37458	96455	0.500 100	2.00	5.00	20.0	50.0
Nitrobenzene	DCB	Lin	5695 891957	19092	44868	181857	487794	5.00 1000	20.0	50.0	200	500
Hexachlorobutadiene	DCB	Ave	4862 610290	12946	30207	130912	312837	0.500 100	2.00	5.00	20.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	7466 1380058	24390	66006	269688	689107	0.500 100	2.00	5.00	20.0	50.0
Naphthalene	DCB	Ave	16058 3002983	56820	143260	611207	1597993	0.500 100	2.00	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCB	Ave	6765 1255941	27528	67173	261096	650407	0.500 100	2.00	5.00	20.0	50.0
Dibromofluoromethane	FB	Ave	+++++ 693222	13778	33551	155341	366328	+++++ 100	2.00	5.00	20.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	+++++ 806426	17376	42040	177447	424077	+++++ 100	2.00	5.00	20.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	+++++ 2400741	47457	114338	532796	1282462	+++++ 100	2.00	5.00	20.0	50.0
4-Bromofluorobenzene	DCB	Ave	+++++ 908437	17840	41165	188991	470199	+++++ 100	2.00	5.00	20.0	50.0

Curve Type Legend:
Ave = Average ISTD
Lin = Linear ISTD

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msv.i\V112191.b\V2191.D
Lab Smp Id: IC;100 Client Smp ID: IC;100
Inj Date : 13-JUL-2011 14:31
Operator : B.KOSTRZEWSKA Inst ID: msv.i
Smp Info : IC;100
Misc Info :
Comment :
Method : \\consvr05\Files\Chem\VOA\msv.i\V112191.b\V8260LOW.m
Meth Date : 14-Jul-2011 09:45 msv.i Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
*	1 Fluorobenzene	96	4.836	4.836	(1.000)	589678	25.0000		
	2 Dichlorodifluoromethane	85	0.977	0.977	(0.202)	494587	100.000	0.0	
	3 Chloromethane	50	1.084	1.084	(0.224)	542859	100.000	0.0	
	4 Vinyl Chloride	62	1.132	1.132	(0.234)	539071	100.000	0.0	
	5 Bromomethane	94	1.319	1.319	(0.273)	293348	100.000	0.0	
	6 Chloroethane	64	1.388	1.388	(0.287)	231726	100.000	0.0	(M)
	7 Trichlorofluoromethane	101	1.468	1.468	(0.304)	1098281	100.000	0.0	
	8 Dichlorofluoromethane	67	1.511	1.511	(0.313)	861285	100.000	0.0	
	9 Ethyl Ether	45	1.682	1.682	(0.348)	286210	100.000	0.0	
	10 Ethanol	45	1.730	1.730	(0.358)	191749	1000.00	0.0	
	12 Freon 123	67	1.842	1.842	(0.381)	116650	100.000	0.0	
	13 Trichlorotrifluoroethane	101	1.826	1.826	(0.378)	542608	100.000	0.0	
	14 1,1-Dichloroethene	96	1.794	1.794	(0.371)	451326	100.000	0.0	
	15 Carbon Disulfide	76	1.815	1.815	(0.375)	1663428	100.000	0.0	
	16 Iodomethane	142	1.895	1.895	(0.392)	702621	100.000	0.0	
	17 Acrolein	56	2.039	2.039	(0.422)	428235	500.000	0.0	
	18 2-Propanol	45	2.194	2.194	(0.454)	69533	100.000	0.0	
	19 3-Chloro-1-Propene	41	2.135	2.135	(0.442)	760832	100.000	0.0	
	20 Methylene Chloride	84	2.215	2.215	(0.458)	556983	100.000	0.0	
	21 Acetone	43	2.263	2.263	(0.468)	176478	100.000	0.0	(M)
	22 trans-1,2-Dichloroethene	96	2.349	2.349	(0.486)	559161	100.000	0.0	
	23 Methyl Acetate	43	2.370	2.370	(0.490)	2311529	100.000	0.0	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	24 Methyl tert-Butyl Ether	73	2.450	2.450	(0.507)	1823783	100.000	0.0
	25 tert-Butyl alcohol	59	2.562	2.562	(0.530)	351160	500.000	0.0
	27 Isopropyl ether	45	2.808	2.808	(0.581)	1695198	100.000	0.0
	28 tert-Butyl ethyl ether	59	3.181	3.181	(0.658)	1842958	100.000	0.0
	29 2-Chloro-1,3-Butadiene	88	2.877	2.877	(0.595)	548320	100.000	0.0
	30 Acrylonitrile	53	2.947	2.947	(0.609)	454403	200.000	0.0
	31 1,1-Dichloroethane	63	2.898	2.898	(0.599)	1031382	100.000	0.0
	32 Vinyl Acetate	43	3.181	3.181	(0.658)	1369162	100.000	0.0
	33 cis-1,2-Dichloroethene	96	3.459	3.459	(0.715)	653950	100.000	0.0
	34 2,2-Dichloropropane	77	3.566	3.566	(0.737)	970019	100.000	0.0
	35 Bromochloromethane	128	3.662	3.662	(0.757)	337048	100.000	0.0
	37 Cyclohexane	84	3.662	3.662	(0.757)	805428	100.000	0.0
	38 Chloroform	83	3.763	3.763	(0.778)	1166277	100.000	0.0
	39 Ethyl Acetate	43	3.918	3.918	(0.810)	143750	200.000	0.0
	40 Methyl Acrylate	55	3.918	3.918	(0.810)	578899	100.000	0.0
$	41 Dibromofluoromethane	111	3.955	3.955	(0.818)	693222	100.000	0.0
	42 Tetrahydrofuran	42	3.913	3.913	(0.809)	374575	200.000	0.0
	43 Carbon Tetrachloride	117	3.886	3.886	(0.804)	1013963	100.000	0.0
	44 1,1,1-Trichloroethane	97	3.961	3.961	(0.819)	1130761	100.000	0.0
	45 2-Butanone	43	4.094	4.094	(0.847)	288091	100.000	0.0
	46 1,1-Dichloropropene	75	4.099	4.099	(0.848)	855357	100.000	0.0
	47 tert-Amyl methyl ether	73	4.542	4.542	(0.939)	1748234	100.000	0.0
	49 1-Chlorobutane	56	4.163	4.163	(0.861)	1103541	100.000	0.0
	50 Heptane	43	4.542	4.542	(0.939)	514886	100.000	0.0(M)
	51 Propionitrile	54	4.393	4.393	(0.908)	871229	1000.00	0.0
	52 Benzene	78	4.361	4.361	(0.902)	2410919	100.000	0.0
	53 2-Methyl-2-Propenenitrile	41	4.420	4.420	(0.914)	345826	100.000	0.0(M)
$	55 1,2-Dichloroethane-d4	65	4.510	4.510	(0.933)	806426	100.000	0.0
	56 1,2-Dichloroethane	62	4.585	4.585	(0.948)	896164	100.000	0.0
	59 Methyl Cyclohexane	83	5.007	5.007	(1.035)	1036255	100.000	0.0
	60 Trichloroethene	130	5.028	5.028	(1.040)	684193	100.000	0.0
	63 Dibromomethane	93	5.487	5.487	(1.135)	460128	100.000	0.0
	64 1,2-Dichloropropane	63	5.604	5.604	(1.159)	618863	100.000	0.0
	65 Bromodichloromethane	83	5.711	5.711	(1.181)	936060	100.000	0.0
	66 Methyl Methacrylate	69	5.957	5.957	(1.232)	512887	100.000	0.0
	67 1,4-Dioxane	58	5.951	5.951	(1.231)	51708	1000.00	0.0(M)
	69 2-Chloroethylvinylether	63	6.432	6.432	(1.330)	407342	100.000	0.0
	70 cis-1,3-Dichloropropene	75	6.458	6.458	(1.335)	1079485	100.000	0.0
	71 Chloroacetonitrile	48	6.944	6.944	(1.436)	221423	1000.00	0.0
	72 2-Nitropropane	41	7.008	7.008	(1.449)	326892	200.000	0.0
	73 trans-1,3-Dichloropropene	75	7.269	7.269	(1.503)	1045772	100.000	0.0
	74 1,1,2-Trichloroethane	97	7.451	7.451	(1.541)	593325	100.000	0.0
*	75 Chlorobenzene-d5	117	8.577	8.577	(1.000)	458705	25.0000	
	76 Toluene	91	6.736	6.736	(0.785)	2763170	100.000	0.0
$	77 Toluene-d8	98	6.677	6.677	(0.778)	2400741	100.000	0.0
	78 1,1-Dichloro-2-propanone	43	7.024	7.024	(0.819)	1535102	500.000	0.0
	79 4-Methyl-2-Pentanone	43	7.243	7.243	(0.844)	577371	100.000	0.0
	80 Tetrachloroethene	164	7.189	7.189	(0.838)	589313	100.000	0.0
	81 Ethyl Methacrylate	69	7.542	7.542	(0.879)	789562	100.000	0.0
	82 Dibromochloromethane	129	7.654	7.654	(0.892)	837854	100.000	0.0
	83 1,3-Dichloropropane	76	7.766	7.766	(0.905)	990078	100.000	0.0
	84 1,2-Dibromoethane	107	7.894	7.894	(0.920)	667906	100.000	0.0
	86 2-Hexanone	43	8.299	8.299	(0.968)	400052	100.000	0.0
	87 1-Chlorohexane	91	8.662	8.662	(1.010)	1002800	100.000	0.0(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
88	Chlorobenzene	112	8.598	8.598	(1.002)	1791930	100.000	0.0
89	1,1,1,2-Tetrachloroethane	131	8.705	8.705	(1.015)	734211	100.000	0.0
90	Ethylbenzene	106	8.684	8.684	(1.012)	1007148	100.000	0.0
91	Xylene (total)mp	106	8.881	8.881	(1.035)	2489656	200.000	0.0
92	Xylene (total)o	106	9.399	9.399	(1.096)	1195403	100.000	0.0
93	Styrene	104	9.463	9.463	(1.103)	1980647	100.000	0.0
94	Bromoform	173	9.452	9.452	(1.102)	617879	100.000	0.0
* 95	1,4-Dichlorobenzene-d4	152	11.032	11.032	(1.000)	282282	25.0000	
96	Isopropylbenzene	105	9.767	9.767	(0.885)	2756445	100.000	0.0
97	Bromobenzene	156	10.098	10.098	(0.915)	870249	100.000	0.0
98	1,1,2,2-Tetrachloroethane	83	10.263	10.263	(0.930)	784861	100.000	0.0
99	4-Ethyltoluene	105	10.295	10.295	(0.933)	3048010	100.000	0.0
100	1,2,3-Trichloropropane	110	10.354	10.354	(0.939)	242791	100.000	0.0
101	trans-1,4-Dichloro-2-Butene	53	10.418	10.418	(0.944)	459179	200.000	0.0
102	n-Propylbenzene	91	10.183	10.183	(0.923)	3511295	100.000	0.0
103	2-Chlorotoluene	91	10.295	10.295	(0.933)	2498054	100.000	0.0
104	4-Chlorotoluene	91	10.456	10.456	(0.948)	2333624	100.000	0.0
105	1,3,5-Trimethylbenzene	105	10.386	10.386	(0.941)	2651116	100.000	0.0
106	tert-Butylbenzene	119	10.658	10.658	(0.966)	2252901	100.000	0.0
107	1,2,4-Trimethylbenzene	105	10.722	10.722	(0.972)	2726147	100.000	0.0
108	sec-Butylbenzene	105	10.813	10.813	(0.980)	3309885	100.000	0.0
109	4-Isopropyltoluene	119	10.952	10.952	(0.993)	2841976	100.000	0.0
110	1,3-Dichlorobenzene	146	10.963	10.963	(0.994)	1629290	100.000	0.0
111	1,4-Dichlorobenzene	146	11.043	11.043	(1.001)	1674140	100.000	0.0
112	1,2-Dichlorobenzene	146	11.374	11.374	(1.031)	1607587	100.000	0.0
113	Benzyl Chloride	126	11.256	11.256	(1.020)	381467	100.000	0.0
114	1,4-Diethylbenzene	119	11.251	11.251	(1.020)	1498688	100.000	0.0
115	n-Butylbenzene	91	11.288	11.288	(1.023)	2713555	100.000	0.0
118	1,2,4,5-Tetramethylbenzene	119	11.870	11.870	(1.076)	2917639	100.000	0.0
119	1,2-Dibromo-3-chloropropane	75	11.993	11.993	(1.087)	190856	100.000	0.0
120	Nitrobenzene	77	12.398	12.398	(1.124)	891957	1000.00	0.0
121	1,2,4-Trichlorobenzene	180	12.494	12.494	(1.133)	1380058	100.000	0.0
122	Hexachlorobutadiene	225	12.489	12.489	(1.132)	610290	100.000	0.0
123	Naphthalene	128	12.718	12.718	(1.153)	3002983	100.000	0.0
124	1,2,3-Trichlorobenzene	180	12.852	12.852	(1.165)	1255941	100.000	0.0
$ 125	Bromofluorobenzene	95	10.018	10.018	(0.908)	908437	100.000	0.0
M 126	1,2-Dichloroethene (total)	100				1213111	200.000	0.0
M 127	Xylene (total)	100				3685059	300.000	0.0

QC Flag Legend

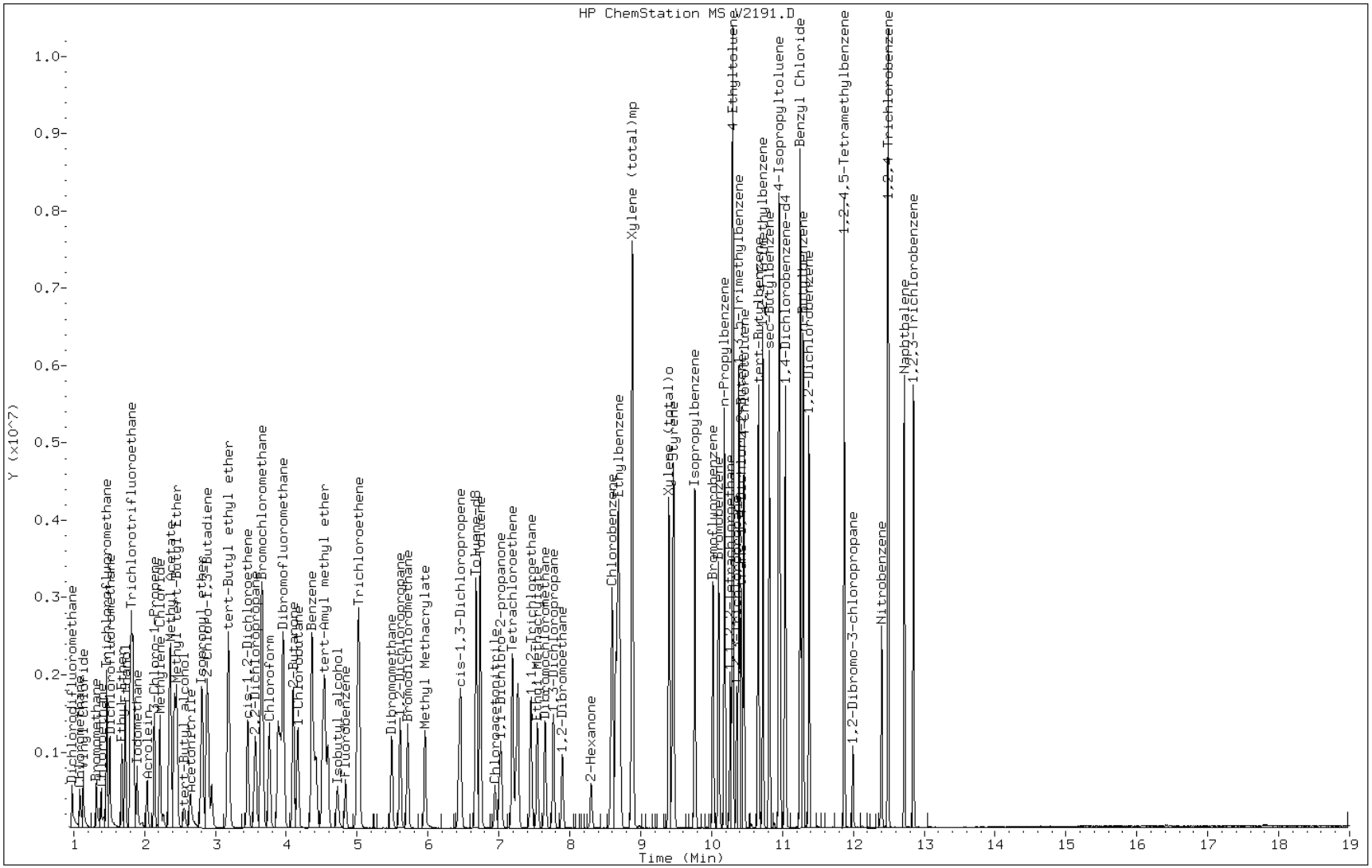
M - Compound response manually integrated.

Data File: V2191.D

Date: 13-JUL-2011 14:31

Client ID: IC;100 Instrument: msv.i

Sample Info: IC;100 Operator: B.KOSTRZEWSKA



Manual Integration Report

Data File: V2191.D
Inj. Date and Time: 13-JUL-2011 14:31
Instrument ID: msv.i
Client ID: IC;100
Compound: 53 2-Methyl-2-Propenenitrile
CAS #: 126-98-7
Report Date: 07/14/2011

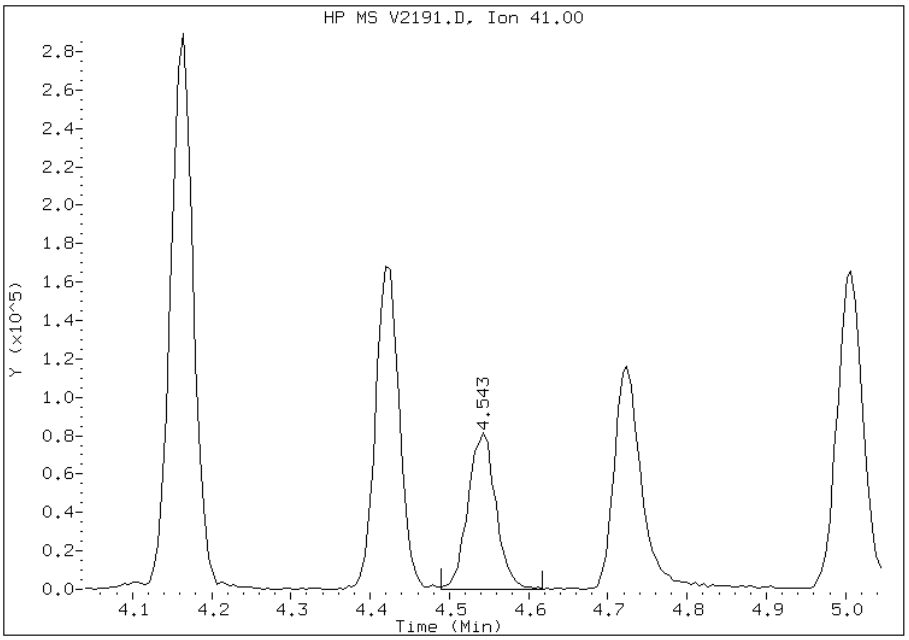
Processing Integration Results

RT: 4.54

Response: 194649

Amount: 70

Conc: 70



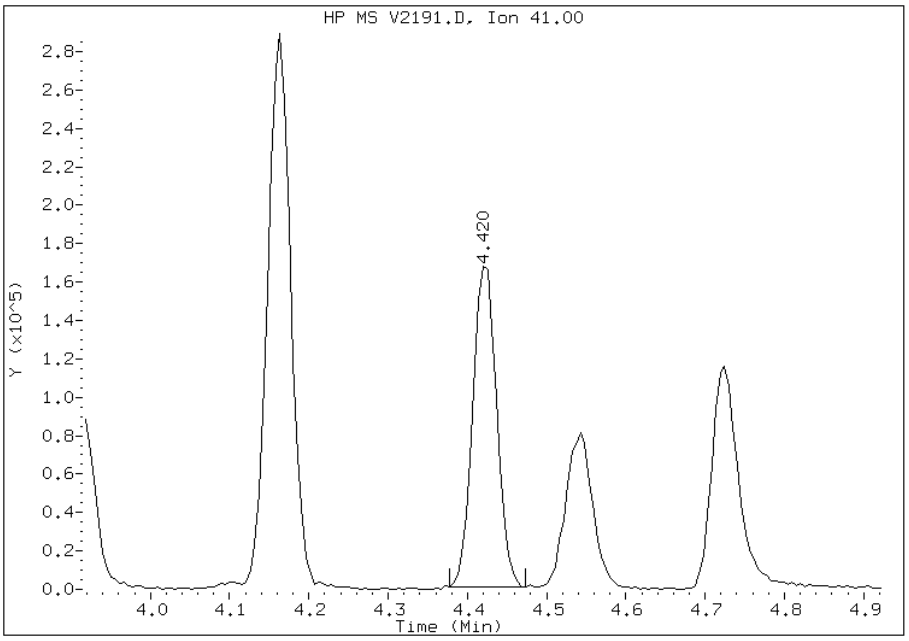
Manual Integration Results

RT: 4.42

Response: 345826

Amount: 0

Conc: 0



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

Manual Integration Report

Data File: V2191.D
Inj. Date and Time: 13-JUL-2011 14:31
Instrument ID: msv.i
Client ID: IC;100
Compound: 50 Heptane
CAS #: 142-82-5
Report Date: 07/14/2011

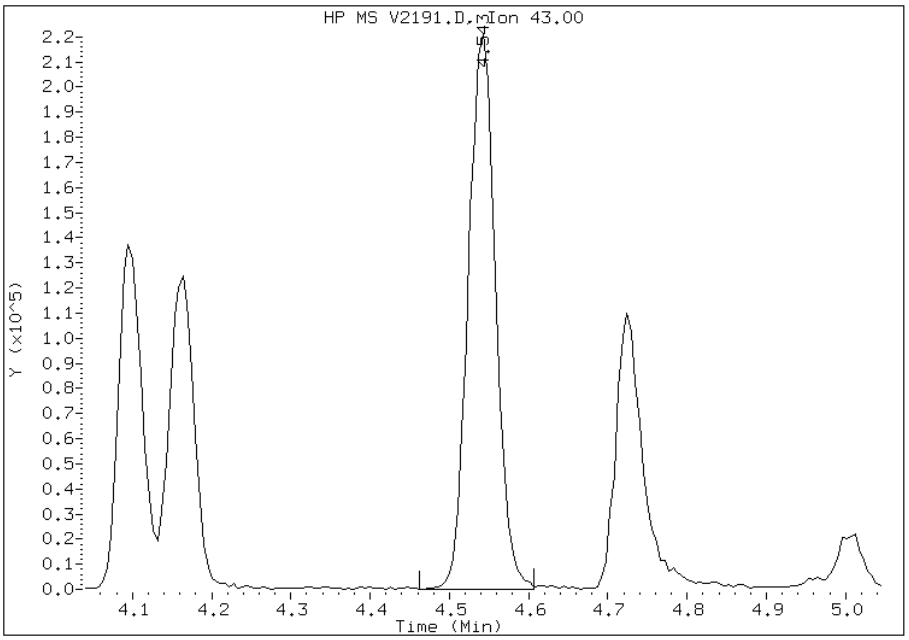
Processing Integration Results

RT: 4.54

Response: 524311

Amount: 105

Conc: 105



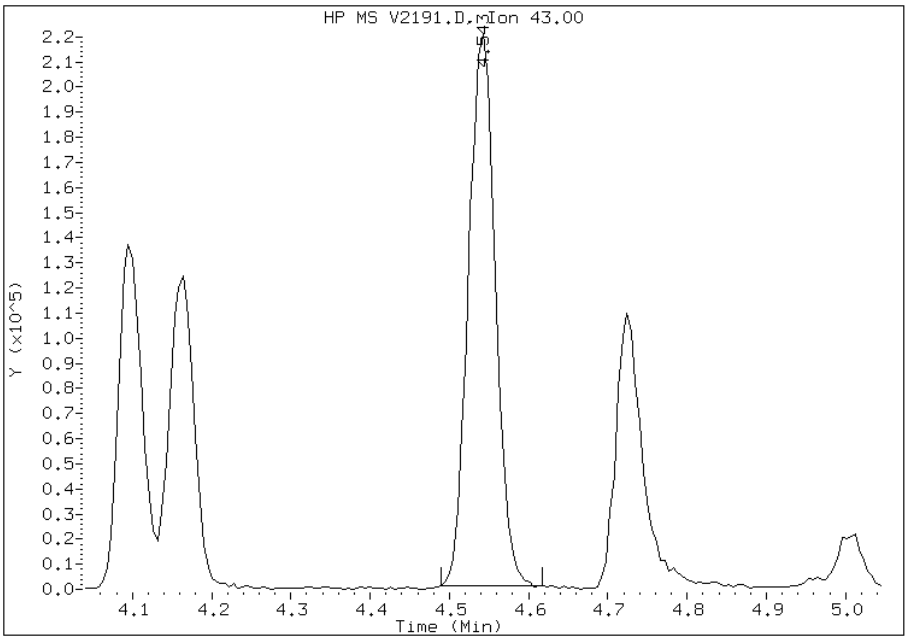
Manual Integration Results

RT: 4.54

Response: 514886

Amount: 0

Conc: 0



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

Manual Integration Report

Data File: V2191.D
Inj. Date and Time: 13-JUL-2011 14:31
Instrument ID: msv.i
Client ID: IC;100
Compound: 67 1,4-Dioxane
CAS #: 123-91-1
Report Date: 07/14/2011

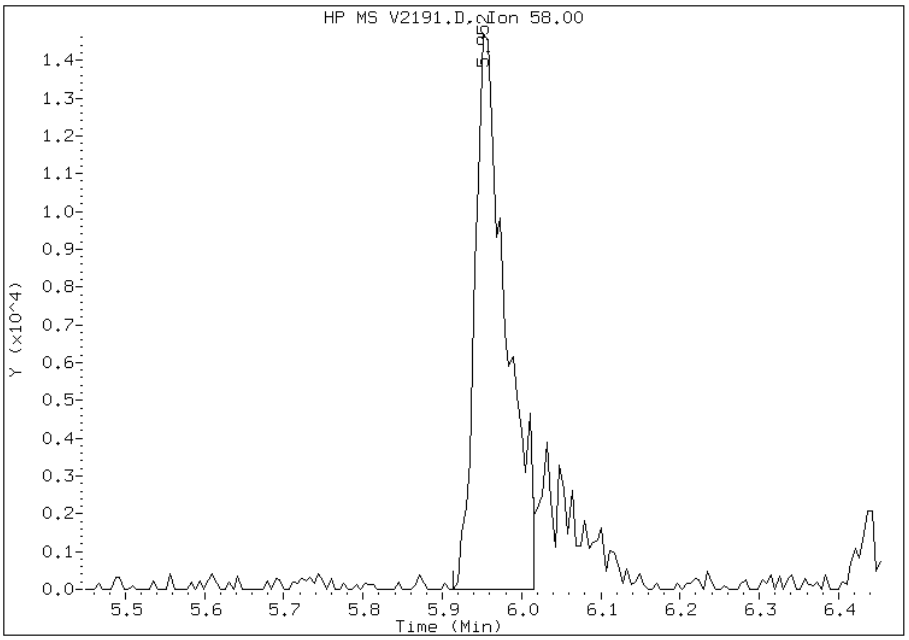
Processing Integration Results

RT: 5.95

Response: 40111

Amount: 933

Conc: 933



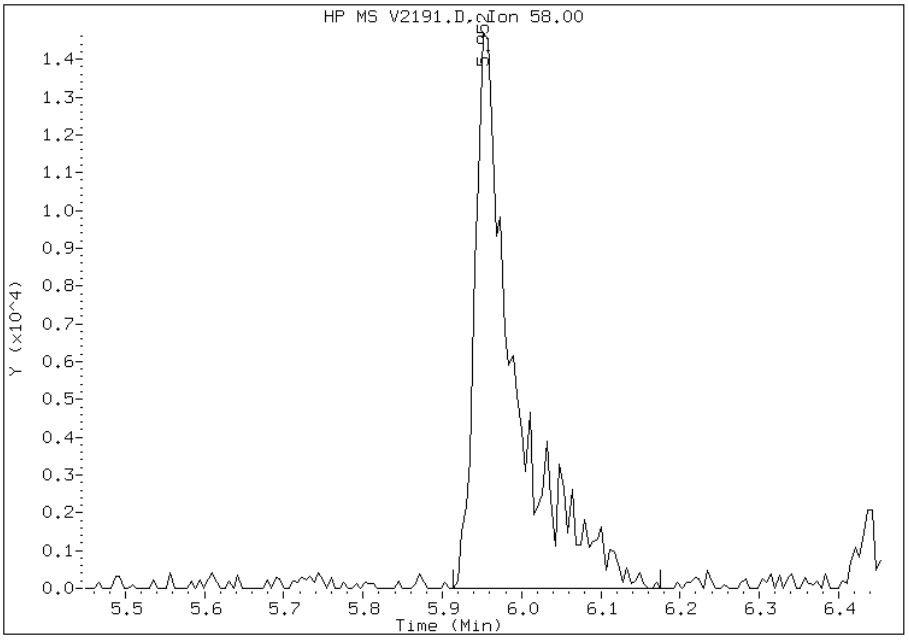
Manual Integration Results

RT: 5.95

Response: 51708

Amount: 0

Conc: 0



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

Manual Integration Report

Data File: V2191.D
Inj. Date and Time: 13-JUL-2011 14:31
Instrument ID: msv.i
Client ID: IC;100
Compound: 21 Acetone
CAS #: 67-64-1
Report Date: 07/14/2011

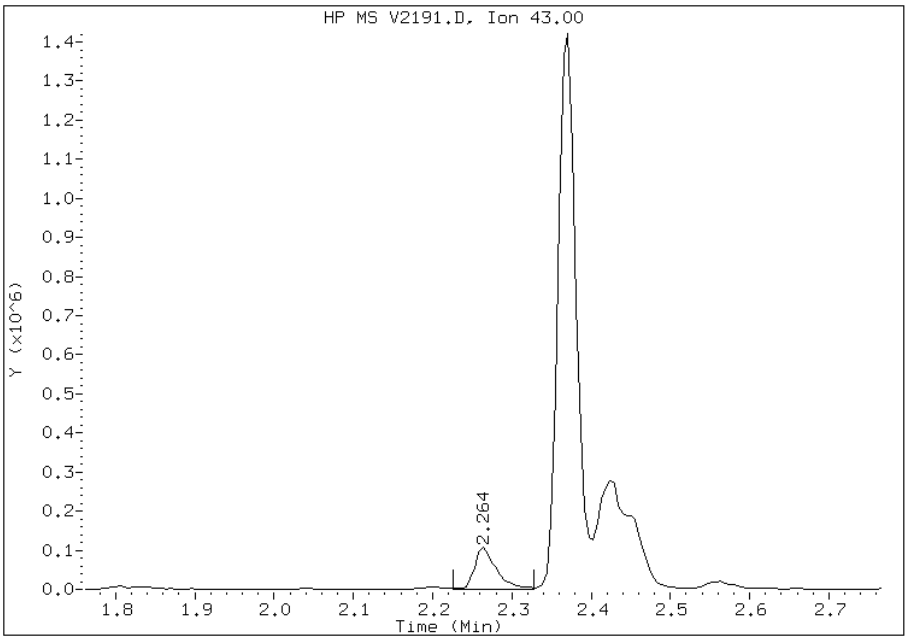
Processing Integration Results

RT: 2.26

Response: 197070

Amount: 0

Conc: 0



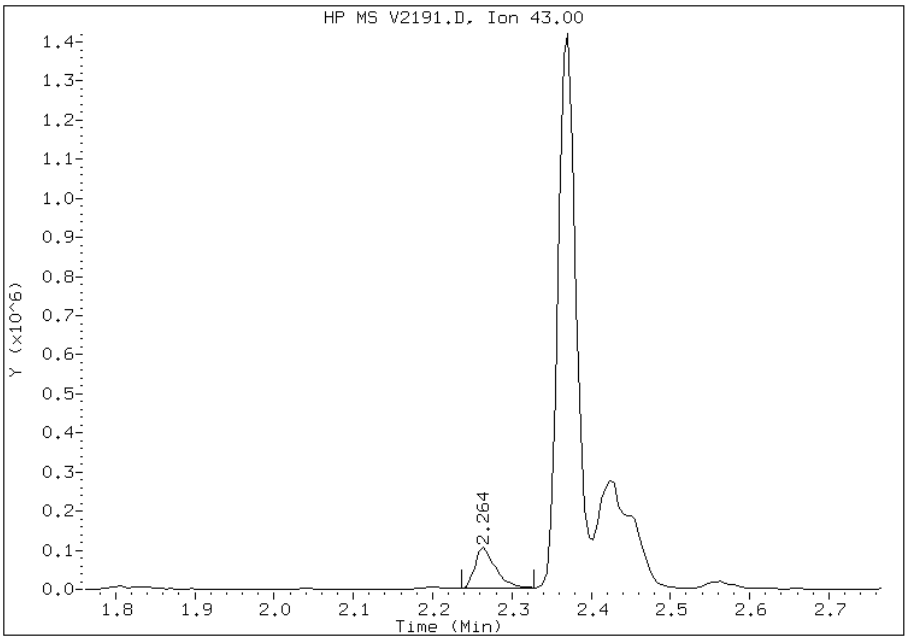
Manual Integration Results

RT: 2.26

Response: 176478

Amount: 0

Conc: 0



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

Manual Integration Report

Data File: V2191.D
Inj. Date and Time: 13-JUL-2011 14:31
Instrument ID: msv.i
Client ID: IC;100
Compound: 6 Chloroethane
CAS #: 75-00-3
Report Date: 07/14/2011

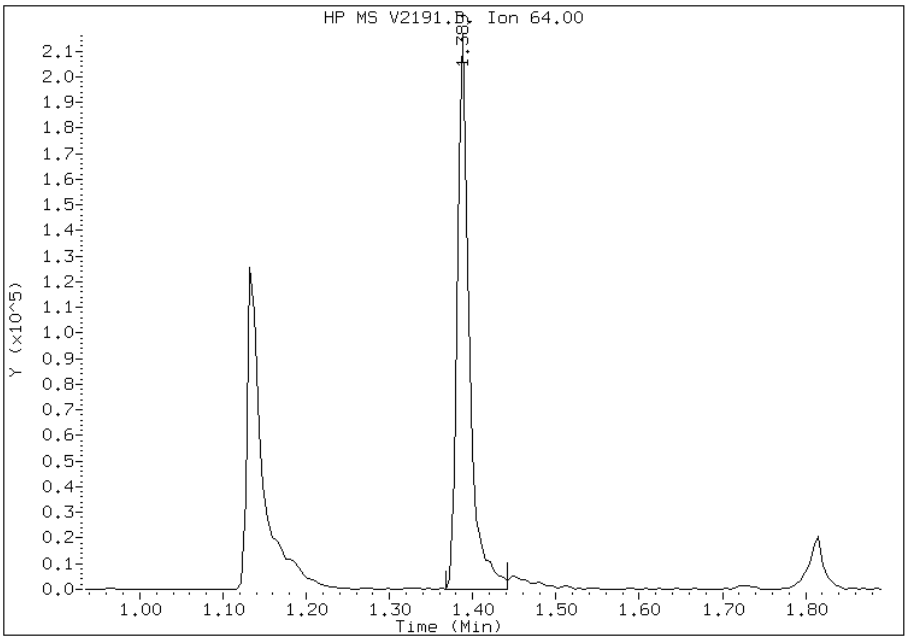
Processing Integration Results

RT: 1.39

Response: 223887

Amount: 73

Conc: 73



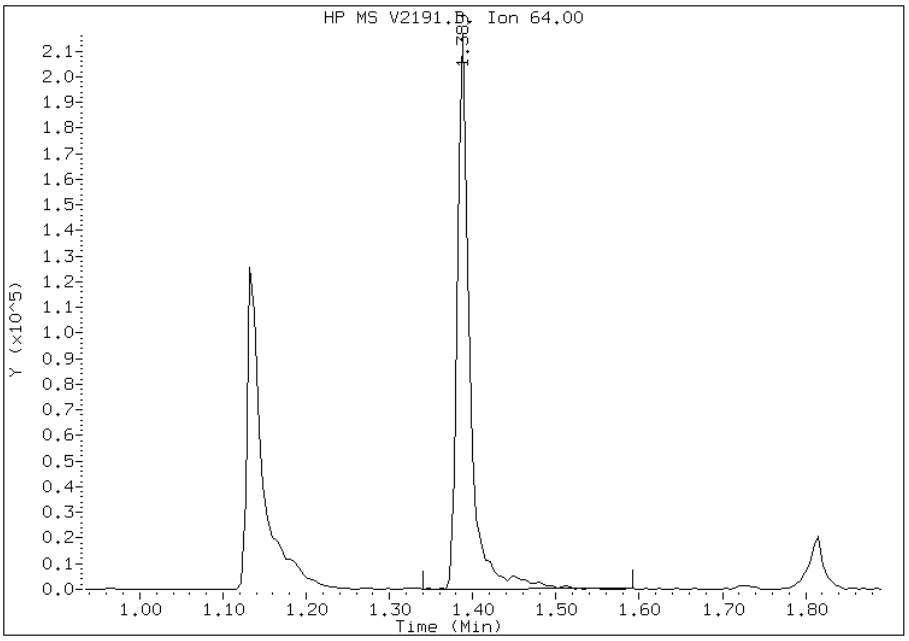
Manual Integration Results

RT: 1.39

Response: 231726

Amount: 0

Conc: 0



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

Manual Integration Report

Data File: V2191.D
Inj. Date and Time: 13-JUL-2011 14:31
Instrument ID: msv.i
Client ID: IC;100
Compound: 87 1-Chlorohexane
CAS #: 544-10-5
Report Date: 07/14/2011

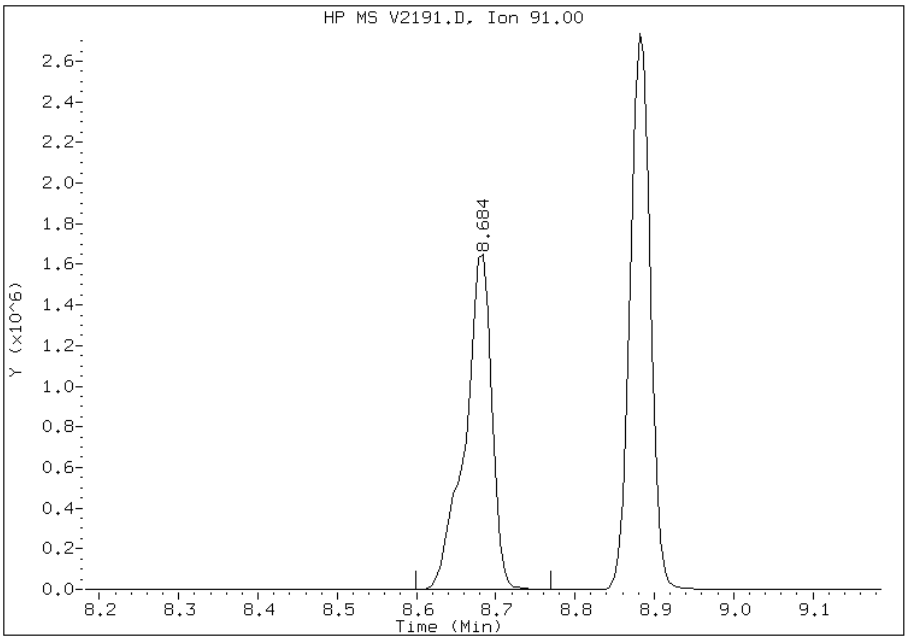
Processing Integration Results

RT: 8.68

Response: 3825284

Amount: 103

Conc: 103



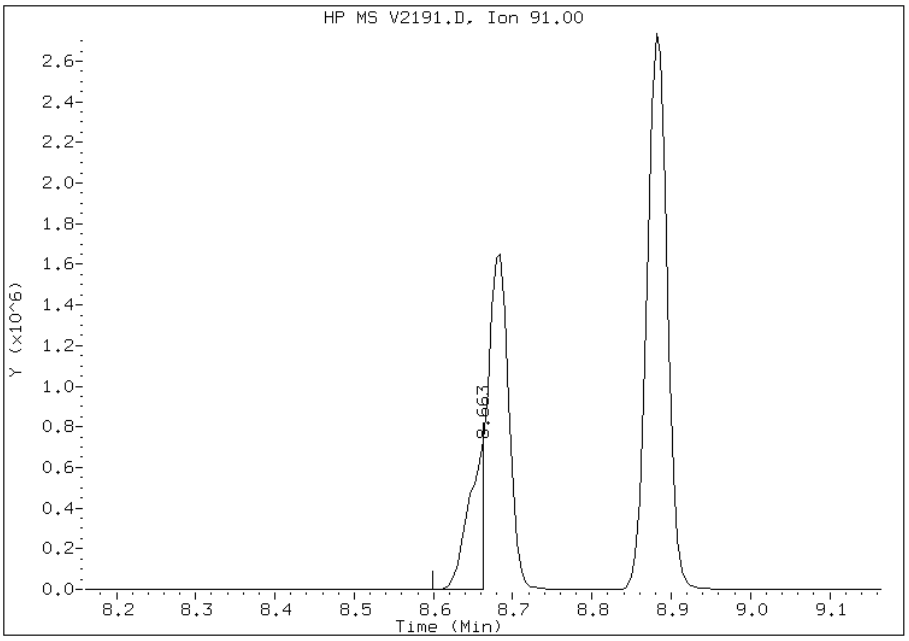
Manual Integration Results

RT: 8.66

Response: 1002800

Amount: 0

Conc: 0



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

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msv.i\V112191.b\V2192.D
Lab Smp Id: IC;50 Client Smp ID: IC;50
Inj Date : 13-JUL-2011 14:58 MS Autotune Date: 04-APR-2011 13:44
Operator : B.KOSTRZEWSKA Inst ID: msv.i
Smp Info : IC;50
Misc Info :
Comment :
Method : \\consvr05\Files\Chem\VOA\msv.i\V112191.b\V8260LOW.m
Meth Date : 14-Jul-2011 09:45 msv.i Quant Type: ISTD
Cal Date : 13-JUL-2011 14:31 Cal File: V2191.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	4.836	4.836	(1.000)	647284	25.0000	
2	Dichlorodifluoromethane	85	0.977	0.977	(0.202)	298111	50.0000	55
3	Chloromethane	50	1.089	1.089	(0.225)	290933	50.0000	49
4	Vinyl Chloride	62	1.132	1.132	(0.234)	307934	50.0000	52
5	Bromomethane	94	1.319	1.319	(0.273)	168369	50.0000	52
6	Chloroethane	64	1.388	1.388	(0.287)	127972	50.0000	50
7	Trichlorofluoromethane	101	1.474	1.474	(0.305)	563073	50.0000	47
8	Dichlorofluoromethane	67	1.511	1.511	(0.313)	443960	50.0000	47
9	Ethyl Ether	45	1.676	1.676	(0.347)	156444	50.0000	50
10	Ethanol	45	1.730	1.730	(0.358)	102373	500.000	490
12	Freon 123	67	1.842	1.842	(0.381)	65116	50.0000	51
13	Trichlorotrifluoroethane	101	1.831	1.831	(0.379)	297629	50.0000	50
14	1,1-Dichloroethene	96	1.799	1.799	(0.372)	234946	50.0000	47
15	Carbon Disulfide	76	1.815	1.815	(0.375)	900832	50.0000	49
16	Iodomethane	142	1.895	1.895	(0.392)	370659	50.0000	48
17	Acrolein	56	2.034	2.034	(0.421)	228959	250.000	240
18	2-Propanol	45	2.189	2.189	(0.453)	42104	50.0000	55
19	3-Chloro-1-Propene	41	2.135	2.135	(0.442)	402151	50.0000	48
20	Methylene Chloride	84	2.221	2.221	(0.459)	303256	50.0000	50
21	Acetone	43	2.258	2.258	(0.467)	81294	50.0000	42(M)
22	trans-1,2-Dichloroethene	96	2.349	2.349	(0.486)	294595	50.0000	48
23	Methyl Acetate	43	2.370	2.370	(0.490)	1245663	50.0000	49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	24 Methyl tert-Butyl Ether	73	2.456	2.456	(0.508)	976140	50.0000	49
	25 tert-Butyl alcohol	59	2.552	2.552	(0.528)	201219	250.000	260
	26 Acetonitrile	41	2.642	2.642	(0.546)	352798	500.000	480
	27 Isopropyl ether	45	2.808	2.808	(0.581)	906353	50.0000	49
	28 tert-Butyl ethyl ether	59	3.187	3.187	(0.659)	973098	50.0000	48
	29 2-Chloro-1,3-Butadiene	88	2.883	2.883	(0.596)	290479	50.0000	48
	30 Acrylonitrile	53	2.947	2.947	(0.609)	242155	100.000	97
	31 1,1-Dichloroethane	63	2.899	2.899	(0.599)	547868	50.0000	48
	32 Vinyl Acetate	43	3.181	3.181	(0.658)	729913	50.0000	48
	33 cis-1,2-Dichloroethene	96	3.459	3.459	(0.715)	338841	50.0000	47
	34 2,2-Dichloropropane	77	3.566	3.566	(0.737)	477070	50.0000	45
	35 Bromochloromethane	128	3.656	3.656	(0.756)	181055	50.0000	49
	37 Cyclohexane	84	3.656	3.656	(0.756)	425599	50.0000	48
	38 Chloroform	83	3.763	3.763	(0.778)	606160	50.0000	47
	39 Ethyl Acetate	43	3.913	3.913	(0.809)	75107	100.000	95
	40 Methyl Acrylate	55	3.918	3.918	(0.810)	312086	50.0000	49
$	41 Dibromofluoromethane	111	3.955	3.955	(0.818)	366328	50.0000	48
	42 Tetrahydrofuran	42	3.913	3.913	(0.809)	208607	100.000	100
	43 Carbon Tetrachloride	117	3.886	3.886	(0.804)	535029	50.0000	48
	44 1,1,1-Trichloroethane	97	3.955	3.955	(0.818)	587295	50.0000	47
	45 2-Butanone	43	4.094	4.094	(0.847)	145148	50.0000	46
	46 1,1-Dichloropropene	75	4.099	4.099	(0.848)	449997	50.0000	48
	47 tert-Amyl methyl ether	73	4.542	4.542	(0.939)	931822	50.0000	48
	49 1-Chlorobutane	56	4.163	4.163	(0.861)	587646	50.0000	48
	50 Heptane	43	4.542	4.542	(0.939)	270482	50.0000	48(M)
	51 Propionitrile	54	4.393	4.393	(0.908)	463966	500.000	480
	52 Benzene	78	4.361	4.361	(0.902)	1289504	50.0000	49
	53 2-Methyl-2-Propenenitrile	41	4.420	4.420	(0.914)	182271	50.0000	48(M)
	54 Isobutyl alcohol	42	4.718	4.718	(0.976)	81500	500.000	500
$	55 1,2-Dichloroethane-d4	65	4.510	4.510	(0.933)	424077	50.0000	48
	56 1,2-Dichloroethane	62	4.590	4.590	(0.949)	455465	50.0000	46
	59 Methyl Cyclohexane	83	5.007	5.007	(1.035)	552824	50.0000	49
	60 Trichloroethene	130	5.033	5.033	(1.041)	361167	50.0000	48
	63 Dibromomethane	93	5.487	5.487	(1.135)	249024	50.0000	49
	64 1,2-Dichloropropane	63	5.604	5.604	(1.159)	335849	50.0000	49
	65 Bromodichloromethane	83	5.711	5.711	(1.181)	486700	50.0000	47
	66 Methyl Methacrylate	69	5.957	5.957	(1.232)	273455	50.0000	48
	67 1,4-Dioxane	58	5.957	5.957	(1.232)	32888	500.000	580(M)
	69 2-Chloroethylvinylether	63	6.437	6.437	(1.331)	218039	50.0000	49
	70 cis-1,3-Dichloropropene	75	6.458	6.458	(1.335)	567082	50.0000	48
	71 Chloroacetonitrile	48	6.944	6.944	(1.436)	119785	500.000	490
	72 2-Nitropropane	41	7.003	7.003	(1.448)	168010	100.000	94
	73 trans-1,3-Dichloropropene	75	7.269	7.269	(1.503)	561087	50.0000	49
	74 1,1,2-Trichloroethane	97	7.451	7.451	(1.541)	317085	50.0000	49
*	75 Chlorobenzene-d5	117	8.577	8.577	(1.000)	487315	25.0000	
	76 Toluene	91	6.736	6.736	(0.785)	1446184	50.0000	49
$	77 Toluene-d8	98	6.677	6.677	(0.778)	1282462	50.0000	50
	78 1,1-Dichloro-2-propanone	43	7.024	7.024	(0.819)	834124	250.000	260
	79 4-Methyl-2-Pentanone	43	7.243	7.243	(0.844)	306249	50.0000	50
	80 Tetrachloroethene	164	7.189	7.189	(0.838)	319063	50.0000	51
	81 Ethyl Methacrylate	69	7.542	7.542	(0.879)	416364	50.0000	50
	82 Dibromochloromethane	129	7.648	7.648	(0.892)	441880	50.0000	50
	83 1,3-Dichloropropane	76	7.766	7.766	(0.905)	528765	50.0000	50
	84 1,2-Dibromoethane	107	7.894	7.894	(0.920)	373245	50.0000	53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
86	2-Hexanone	43	8.299	8.299	(0.968)	212322	50.0000	50
87	1-Chlorohexane	91	8.657	8.657	(1.009)	430414	50.0000	40(M)
88	Chlorobenzene	112	8.598	8.598	(1.002)	953051	50.0000	50
89	1,1,1,2-Tetrachloroethane	131	8.705	8.705	(1.015)	390957	50.0000	50
90	Ethylbenzene	106	8.678	8.678	(1.012)	535189	50.0000	50
91	Xylene (total)mp	106	8.881	8.881	(1.035)	1318021	100.000	100
92	Xylene (total)o	106	9.399	9.399	(1.096)	613650	50.0000	48
93	Styrene	104	9.463	9.463	(1.103)	1039389	50.0000	49
94	Bromoform	173	9.447	9.447	(1.101)	330323	50.0000	50
* 95	1,4-Dichlorobenzene-d4	152	11.027	11.027	(1.000)	283905	25.0000	
96	Isopropylbenzene	105	9.762	9.762	(0.885)	1448845	50.0000	52
97	Bromobenzene	156	10.098	10.098	(0.916)	457117	50.0000	52
98	1,1,2,2-Tetrachloroethane	83	10.263	10.263	(0.931)	422867	50.0000	54
99	4-Ethyltoluene	105	10.295	10.295	(0.934)	1545342	50.0000	50
100	1,2,3-Trichloropropane	110	10.354	10.354	(0.939)	129821	50.0000	53
101	trans-1,4-Dichloro-2-Butene	53	10.418	10.418	(0.945)	231726	100.000	100
102	n-Propylbenzene	91	10.183	10.183	(0.924)	1816956	50.0000	51
103	2-Chlorotoluene	91	10.295	10.295	(0.934)	1301235	50.0000	52
104	4-Chlorotoluene	91	10.456	10.456	(0.948)	1190776	50.0000	51
105	1,3,5-Trimethylbenzene	105	10.386	10.386	(0.942)	1364868	50.0000	51
106	tert-Butylbenzene	119	10.658	10.658	(0.967)	1159284	50.0000	51
107	1,2,4-Trimethylbenzene	105	10.722	10.722	(0.972)	1416455	50.0000	52
108	sec-Butylbenzene	105	10.813	10.813	(0.981)	1685249	50.0000	51
109	4-Isopropyltoluene	119	10.952	10.952	(0.993)	1456298	50.0000	51
110	1,3-Dichlorobenzene	146	10.963	10.963	(0.994)	843973	50.0000	52
111	1,4-Dichlorobenzene	146	11.043	11.043	(1.001)	838303	50.0000	50
112	1,2-Dichlorobenzene	146	11.374	11.374	(1.031)	804721	50.0000	50
113	Benzyl Chloride	126	11.256	11.256	(1.021)	179084	50.0000	47
114	1,4-Diethylbenzene	119	11.245	11.245	(1.020)	742234	50.0000	49
115	n-Butylbenzene	91	11.288	11.288	(1.024)	1350577	50.0000	49
118	1,2,4,5-Tetramethylbenzene	119	11.870	11.870	(1.076)	1422391	50.0000	48
119	1,2-Dibromo-3-chloropropane	75	11.993	11.993	(1.088)	96455	50.0000	50
120	Nitrobenzene	77	12.398	12.398	(1.124)	487794	500.000	540
121	1,2,4-Trichlorobenzene	180	12.489	12.489	(1.133)	689107	50.0000	50
122	Hexachlorobutadiene	225	12.489	12.489	(1.133)	312837	50.0000	51
123	Naphthalene	128	12.718	12.718	(1.153)	1597993	50.0000	53
124	1,2,3-Trichlorobenzene	180	12.847	12.847	(1.165)	650407	50.0000	51
$ 125	Bromofluorobenzene	95	10.018	10.018	(0.909)	470199	50.0000	51
M 126	1,2-Dichloroethene (total)	100				633436	100.000	95
M 127	Xylene (total)	100				1931671	150.000	150

QC Flag Legend

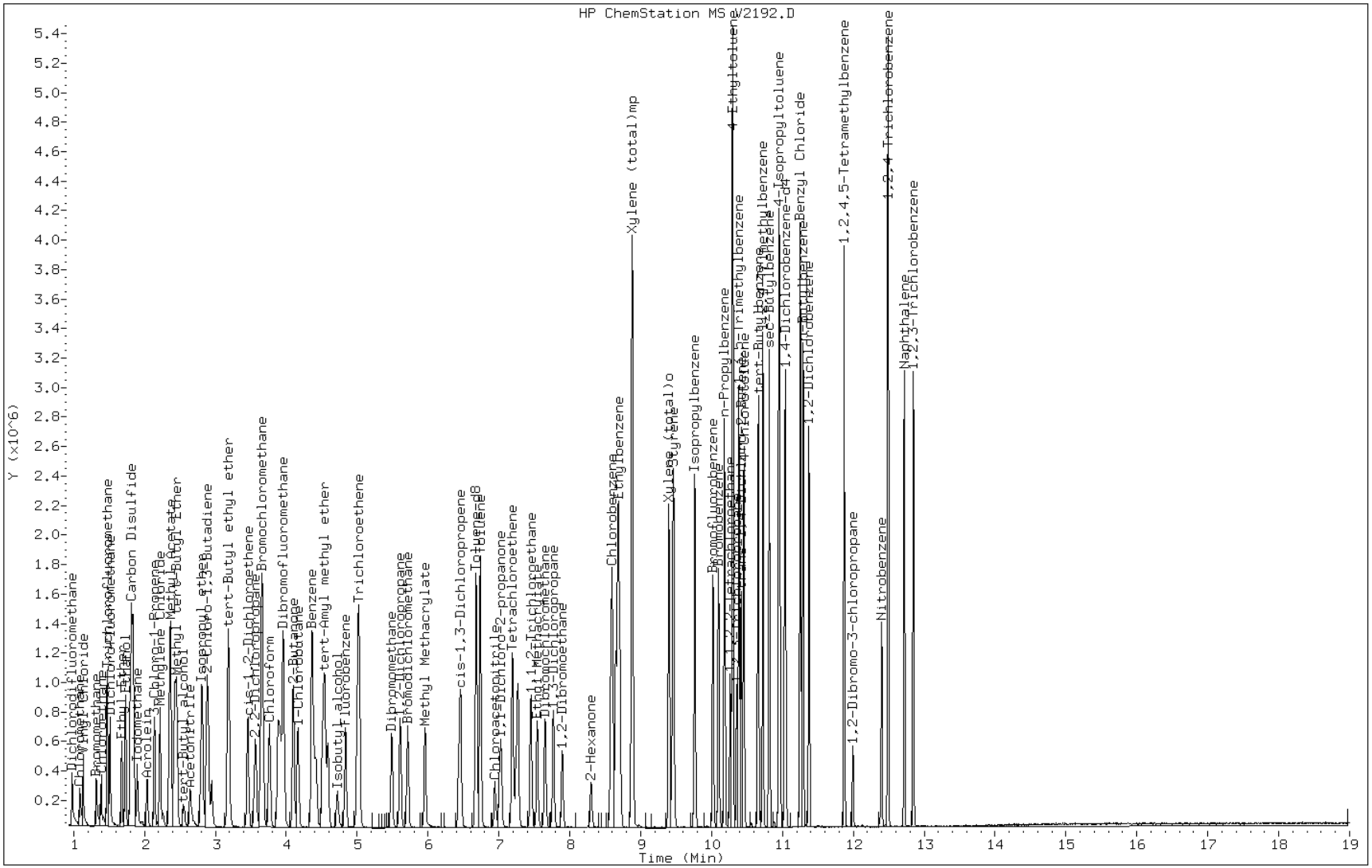
M - Compound response manually integrated.

Data File: V2192.D

Date: 13-JUL-2011 14:58

Client ID: IC;50 Instrument: msv.i

Sample Info: IC;50 Operator: B.KOSTRZEWSKA



Manual Integration Report

Data File: V2192.D
Inj. Date and Time: 13-JUL-2011 14:58
Instrument ID: msv.i
Client ID: IC;50
Compound: 67 1,4-Dioxane
CAS #: 123-91-1
Report Date: 07/14/2011

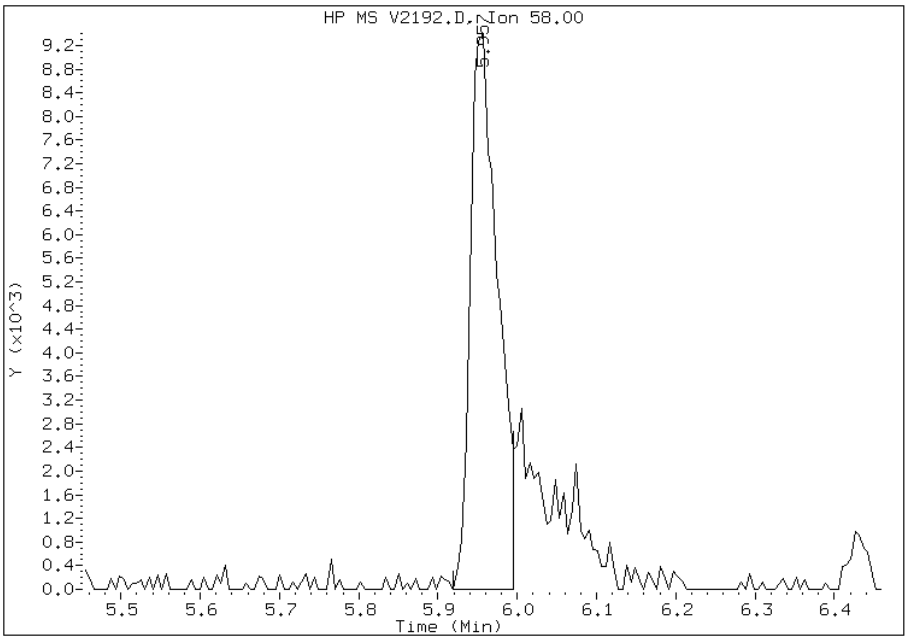
Processing Integration Results

RT: 5.96

Response: 22519

Amount: 471

Conc: 471



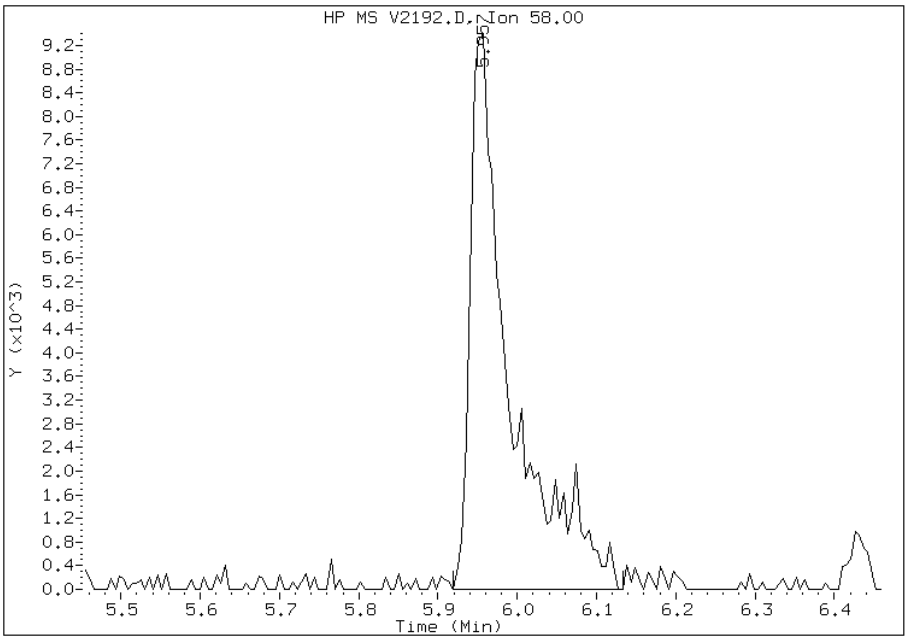
Manual Integration Results

RT: 5.96

Response: 32888

Amount: 579

Conc: 579



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

Manual Integration Report

Data File: V2192.D
Inj. Date and Time: 13-JUL-2011 14:58
Instrument ID: msv.i
Client ID: IC;50
Compound: 53 2-Methyl-2-Propenenitrile
CAS #: 126-98-7
Report Date: 07/14/2011

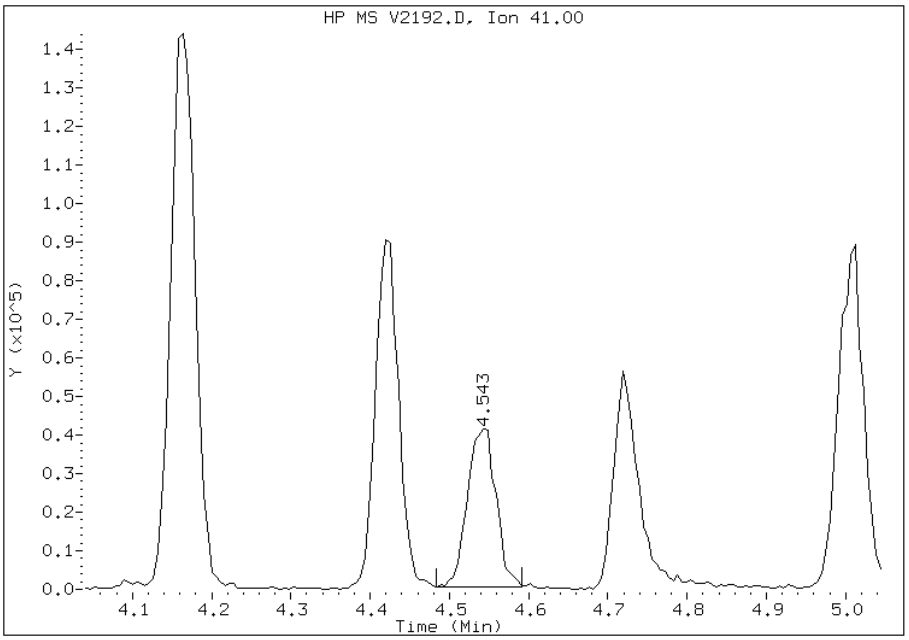
Processing Integration Results

RT: 4.54

Response: 102077

Amount: 24

Conc: 24



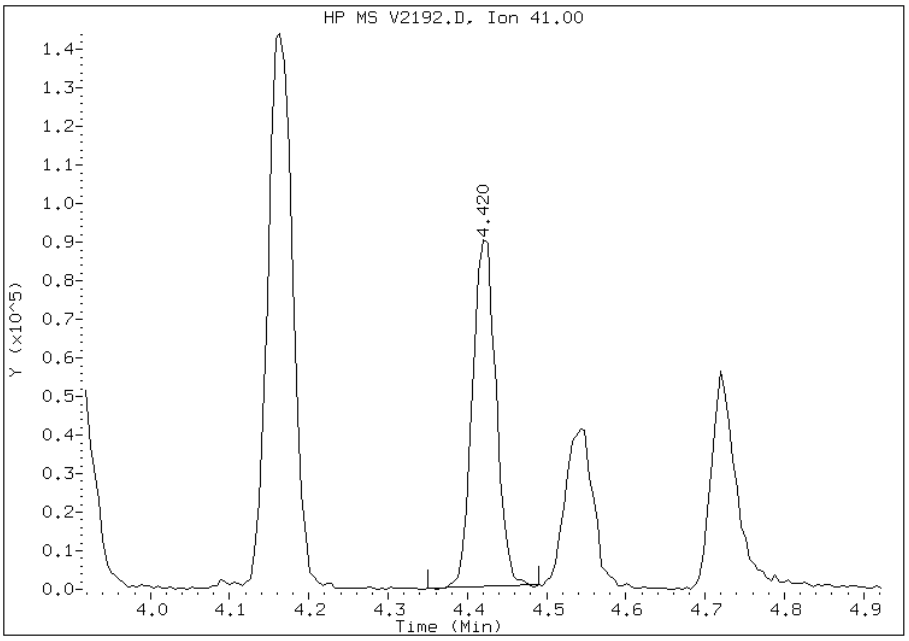
Manual Integration Results

RT: 4.42

Response: 182271

Amount: 48

Conc: 48



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

Manual Integration Report

Data File: V2192.D
Inj. Date and Time: 13-JUL-2011 14:58
Instrument ID: msv.i
Client ID: IC;50
Compound: 50 Heptane
CAS #: 142-82-5
Report Date: 07/14/2011

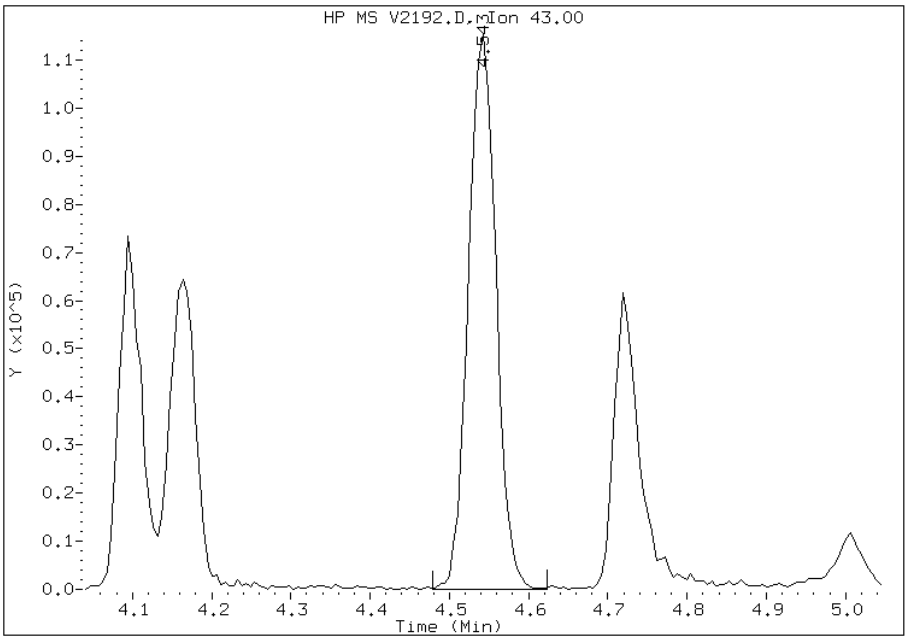
Processing Integration Results

RT: 4.54

Response: 277383

Amount: 51

Conc: 51



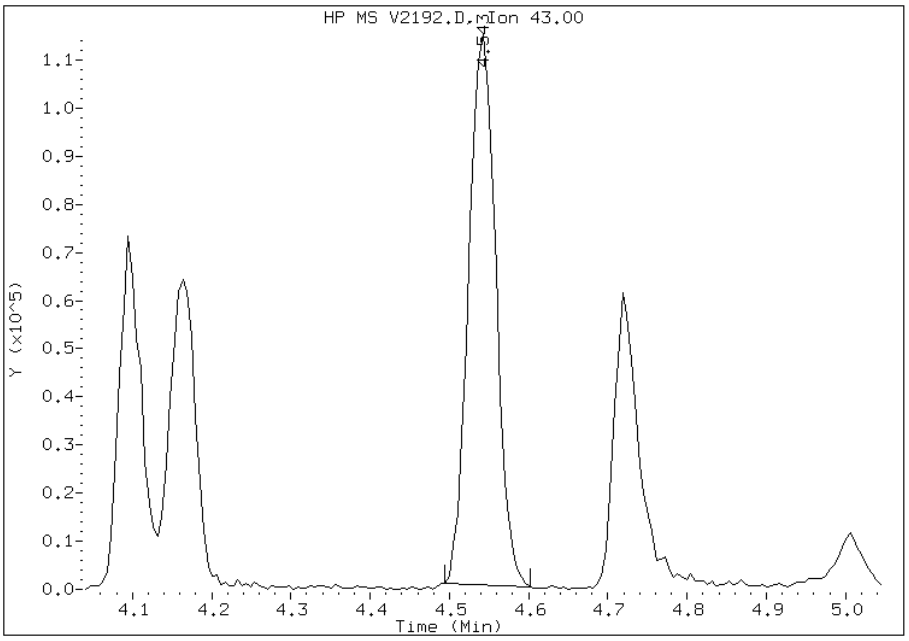
Manual Integration Results

RT: 4.54

Response: 270482

Amount: 48

Conc: 48



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

Manual Integration Report

Data File: V2192.D
Inj. Date and Time: 13-JUL-2011 14:58
Instrument ID: msv.i
Client ID: IC;50
Compound: 87 1-Chlorohexane
CAS #: 544-10-5
Report Date: 07/14/2011

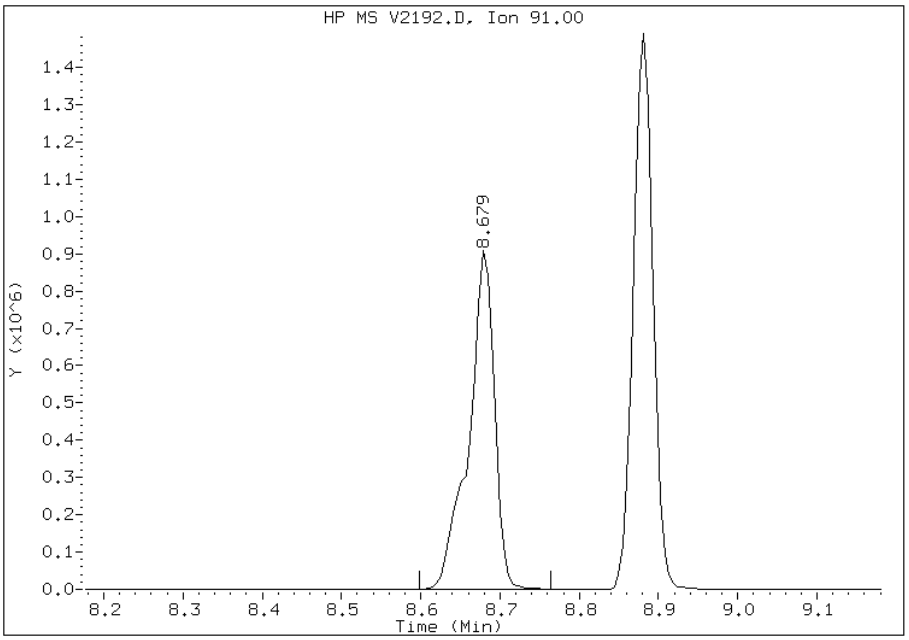
Processing Integration Results

RT: 8.68

Response: 2016934

Amount: 149

Conc: 149



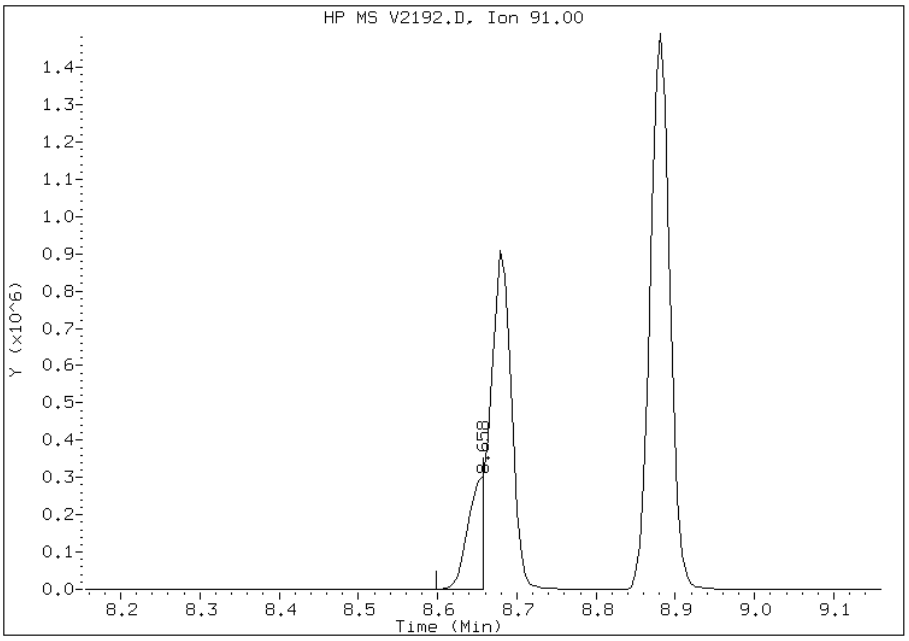
Manual Integration Results

RT: 8.66

Response: 430414

Amount: 40

Conc: 40



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

Manual Integration Report

Data File: V2192.D
Inj. Date and Time: 13-JUL-2011 14:58
Instrument ID: msv.i
Client ID: IC;50
Compound: 21 Acetone
CAS #: 67-64-1
Report Date: 07/14/2011

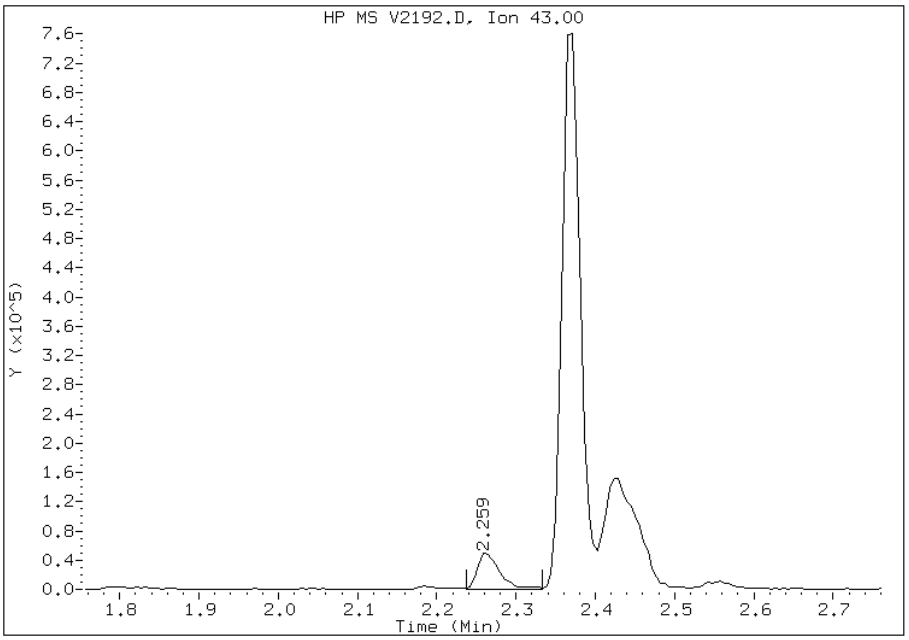
Processing Integration Results

RT: 2.26

Response: 94206

Amount: 44

Conc: 44



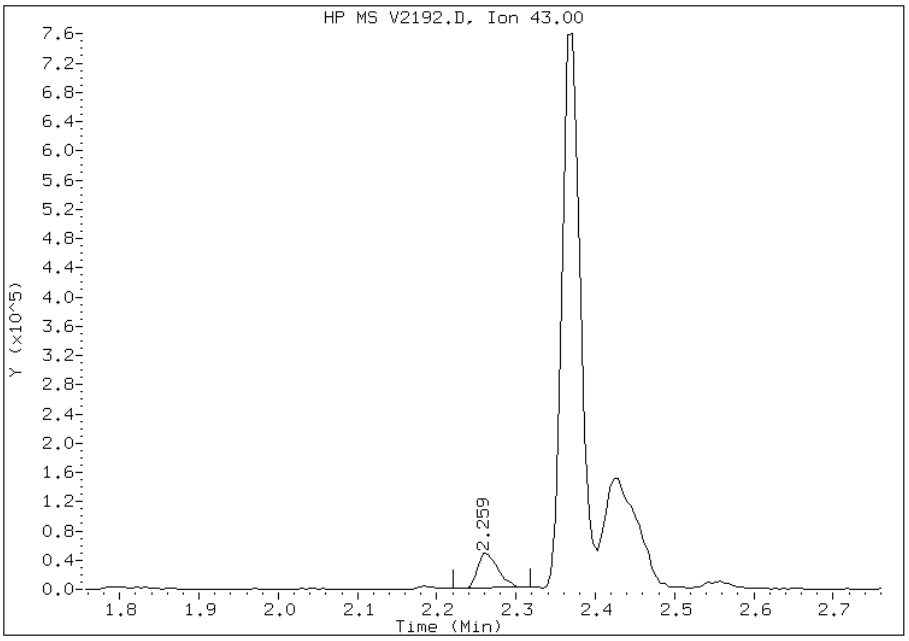
Manual Integration Results

RT: 2.26

Response: 81294

Amount: 42

Conc: 42



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

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msv.i\V112191.b\V2193.D
Lab Smp Id: ICIS Client Smp ID: ICIS
Inj Date : 13-JUL-2011 15:25 MS Autotune Date: 04-APR-2011 13:44
Operator : B.KOSTRZEWSKA Inst ID: msv.i
Smp Info : ICIS
Misc Info :
Comment :
Method : \\consvr05\Files\Chem\VOA\msv.i\V112191.b\V8260LOW.m
Meth Date : 14-Jul-2011 09:45 msv.i Quant Type: ISTD
Cal Date : 13-JUL-2011 14:58 Cal File: V2192.D
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	4.836	4.836	(1.000)	679987	25.0000	
2	Dichlorodifluoromethane	85	0.977	0.977	(0.202)	125252	20.0000	21
3	Chloromethane	50	1.089	1.089	(0.225)	119895	20.0000	19
4	Vinyl Chloride	62	1.132	1.132	(0.234)	126083	20.0000	20
5	Bromomethane	94	1.324	1.324	(0.274)	67934	20.0000	20
6	Chloroethane	64	1.393	1.393	(0.288)	60994	20.0000	23
7	Trichlorofluoromethane	101	1.479	1.479	(0.306)	244237	20.0000	20
8	Dichlorofluoromethane	67	1.516	1.516	(0.314)	200210	20.0000	21
9	Ethyl Ether	45	1.676	1.676	(0.347)	68147	20.0000	21
10	Ethanol	45	1.730	1.730	(0.358)	41827	200.000	210
12	Freon 123	67	1.842	1.842	(0.381)	28157	20.0000	21
13	Trichlorotrifluoroethane	101	1.831	1.831	(0.379)	127593	20.0000	20
14	1,1-Dichloroethene	96	1.799	1.799	(0.372)	102932	20.0000	20
15	Carbon Disulfide	76	1.820	1.820	(0.377)	405172	20.0000	21
16	Iodomethane	142	1.900	1.900	(0.393)	145560	20.0000	21
17	Acrolein	56	2.034	2.034	(0.421)	95291	100.000	98
18	2-Propanol	45	2.178	2.178	(0.450)	15607	20.0000	10
19	3-Chloro-1-Propene	41	2.141	2.141	(0.443)	165511	20.0000	19
20	Methylene Chloride	84	2.221	2.221	(0.459)	145254	20.0000	23
21	Acetone	43	2.258	2.258	(0.467)	31681	20.0000	17
22	trans-1,2-Dichloroethene	96	2.349	2.349	(0.486)	130294	20.0000	21
23	Methyl Acetate	43	2.370	2.370	(0.490)	501595	20.0000	19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	24 Methyl tert-Butyl Ether	73	2.450	2.450	(0.507)	396800	20.0000	19
	25 tert-Butyl alcohol	59	2.546	2.546	(0.527)	79248	100.000	96
	26 Acetonitrile	41	2.648	2.648	(0.548)	136503	200.000	180
	27 Isopropyl ether	45	2.808	2.808	(0.581)	381367	20.0000	20
	28 tert-Butyl ethyl ether	59	3.187	3.187	(0.659)	405270	20.0000	19
	29 2-Chloro-1,3-Butadiene	88	2.882	2.882	(0.596)	116074	20.0000	19
	30 Acrylonitrile	53	2.946	2.946	(0.609)	101669	40.0000	39
	31 1,1-Dichloroethane	63	2.904	2.904	(0.601)	229379	20.0000	20
	32 Vinyl Acetate	43	3.187	3.187	(0.659)	288013	20.0000	18
	33 cis-1,2-Dichloroethene	96	3.459	3.459	(0.715)	148086	20.0000	20
	34 2,2-Dichloropropane	77	3.566	3.566	(0.737)	205661	20.0000	19
	35 Bromochloromethane	128	3.662	3.662	(0.757)	78507	20.0000	20
	37 Cyclohexane	84	3.662	3.662	(0.757)	181127	20.0000	20
	38 Chloroform	83	3.763	3.763	(0.778)	258413	20.0000	20
	39 Ethyl Acetate	43	3.912	3.912	(0.809)	29940	40.0000	44(M)
	40 Methyl Acrylate	55	3.918	3.918	(0.810)	124385	20.0000	19
$	41 Dibromofluoromethane	111	3.950	3.950	(0.817)	155341	20.0000	20
	42 Tetrahydrofuran	42	3.912	3.912	(0.809)	79454	40.0000	36
	43 Carbon Tetrachloride	117	3.891	3.891	(0.805)	223773	20.0000	20
	44 1,1,1-Trichloroethane	97	3.960	3.960	(0.819)	239781	20.0000	19
	45 2-Butanone	43	4.094	4.094	(0.847)	58675	20.0000	18
	46 1,1-Dichloropropene	75	4.099	4.099	(0.848)	183922	20.0000	19
	47 tert-Amyl methyl ether	73	4.542	4.542	(0.939)	376573	20.0000	19
	49 1-Chlorobutane	56	4.163	4.163	(0.861)	246780	20.0000	20
	50 Heptane	43	4.542	4.542	(0.939)	106646	20.0000	18(M)
	51 Propionitrile	54	4.393	4.393	(0.908)	194150	200.000	200
	52 Benzene	78	4.366	4.366	(0.903)	540185	20.0000	20
	53 2-Methyl-2-Propenenitrile	41	4.419	4.419	(0.914)	72377	20.0000	18(M)
	54 Isobutyl alcohol	42	4.724	4.724	(0.977)	32647	200.000	190
$	55 1,2-Dichloroethane-d4	65	4.510	4.510	(0.933)	177447	20.0000	19
	56 1,2-Dichloroethane	62	4.590	4.590	(0.949)	190970	20.0000	19
	59 Methyl Cyclohexane	83	5.006	5.006	(1.035)	227286	20.0000	19
	60 Trichloroethene	130	5.028	5.028	(1.040)	159636	20.0000	21
	63 Dibromomethane	93	5.487	5.487	(1.135)	101576	20.0000	19
	64 1,2-Dichloropropane	63	5.610	5.610	(1.160)	138896	20.0000	20
	65 Bromodichloromethane	83	5.711	5.711	(1.181)	199523	20.0000	19
	66 Methyl Methacrylate	69	5.956	5.956	(1.232)	107583	20.0000	20
	67 1,4-Dioxane	58	5.956	5.956	(1.232)	11919	200.000	49(M)
	69 2-Chloroethylvinylether	63	6.437	6.437	(1.331)	88443	20.0000	19
	70 cis-1,3-Dichloropropene	75	6.458	6.458	(1.335)	231456	20.0000	19
	71 Chloroacetonitrile	48	6.944	6.944	(1.436)	47733	200.000	190
	72 2-Nitropropane	41	7.013	7.013	(1.450)	64876	40.0000	36
	73 trans-1,3-Dichloropropene	75	7.269	7.269	(1.503)	223342	20.0000	19
	74 1,1,2-Trichloroethane	97	7.451	7.451	(1.541)	130949	20.0000	19
*	75 Chlorobenzene-d5	117	8.577	8.577	(1.000)	494648	25.0000	
	76 Toluene	91	6.736	6.736	(0.785)	612964	20.0000	21
$	77 Toluene-d8	98	6.677	6.677	(0.778)	532796	20.0000	20
	78 1,1-Dichloro-2-propanone	43	7.029	7.029	(0.820)	330039	100.000	98
	79 4-Methyl-2-Pentanone	43	7.237	7.237	(0.844)	123227	20.0000	20
	80 Tetrachloroethene	164	7.189	7.189	(0.838)	134855	20.0000	21
	81 Ethyl Methacrylate	69	7.542	7.542	(0.879)	162277	20.0000	19
	82 Dibromochloromethane	129	7.654	7.654	(0.892)	181270	20.0000	20
	83 1,3-Dichloropropane	76	7.766	7.766	(0.905)	221270	20.0000	21
	84 1,2-Dibromoethane	107	7.894	7.894	(0.920)	150786	20.0000	20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
86	2-Hexanone	43	8.305	8.305	(0.968)	81718	20.0000	19
87	1-Chlorohexane	91	8.657	8.657	(1.009)	166172	20.0000	29(M)
88	Chlorobenzene	112	8.598	8.598	(1.002)	388838	20.0000	20
89	1,1,1,2-Tetrachloroethane	131	8.700	8.700	(1.014)	165419	20.0000	21
90	Ethylbenzene	106	8.678	8.678	(1.012)	217869	20.0000	20
91	Xylene (total)mp	106	8.881	8.881	(1.035)	535050	40.0000	40
92	Xylene (total)o	106	9.399	9.399	(1.096)	240028	20.0000	19
93	Styrene	104	9.463	9.463	(1.103)	413296	20.0000	19
94	Bromoform	173	9.452	9.452	(1.102)	139794	20.0000	21
* 95	1,4-Dichlorobenzene-d4	152	11.032	11.032	(1.000)	273776	25.0000	
96	Isopropylbenzene	105	9.762	9.762	(0.885)	583064	20.0000	21
97	Bromobenzene	156	10.098	10.098	(0.915)	187226	20.0000	22
98	1,1,2,2-Tetrachloroethane	83	10.263	10.263	(0.930)	172627	20.0000	22
99	4-Ethyltoluene	105	10.295	10.295	(0.933)	637538	20.0000	21
100	1,2,3-Trichloropropane	110	10.354	10.354	(0.939)	52936	20.0000	22
101	trans-1,4-Dichloro-2-Butene	53	10.418	10.418	(0.944)	95436	40.0000	43
102	n-Propylbenzene	91	10.183	10.183	(0.923)	742097	20.0000	21
103	2-Chlorotoluene	91	10.295	10.295	(0.933)	523973	20.0000	21
104	4-Chlorotoluene	91	10.455	10.455	(0.948)	500116	20.0000	22
105	1,3,5-Trimethylbenzene	105	10.386	10.386	(0.941)	561192	20.0000	22
106	tert-Butylbenzene	119	10.658	10.658	(0.966)	462358	20.0000	21
107	1,2,4-Trimethylbenzene	105	10.722	10.722	(0.972)	566393	20.0000	21
108	sec-Butylbenzene	105	10.813	10.813	(0.980)	678798	20.0000	21
109	4-Isopropyltoluene	119	10.952	10.952	(0.993)	578288	20.0000	21
110	1,3-Dichlorobenzene	146	10.962	10.962	(0.994)	340272	20.0000	21
111	1,4-Dichlorobenzene	146	11.043	11.043	(1.001)	343567	20.0000	21
112	1,2-Dichlorobenzene	146	11.373	11.373	(1.031)	329388	20.0000	21
113	Benzyl Chloride	126	11.256	11.256	(1.020)	70099	20.0000	20
114	1,4-Diethylbenzene	119	11.251	11.251	(1.020)	279858	20.0000	19
115	n-Butylbenzene	91	11.288	11.288	(1.023)	548784	20.0000	21
118	1,2,4,5-Tetramethylbenzene	119	11.870	11.870	(1.076)	536463	20.0000	19
119	1,2-Dibromo-3-chloropropane	75	11.992	11.992	(1.087)	37458	20.0000	20
120	Nitrobenzene	77	12.398	12.398	(1.124)	181857	200.000	130
121	1,2,4-Trichlorobenzene	180	12.494	12.494	(1.133)	269688	20.0000	20
122	Hexachlorobutadiene	225	12.489	12.489	(1.132)	130912	20.0000	22
123	Naphthalene	128	12.718	12.718	(1.153)	611207	20.0000	20
124	1,2,3-Trichlorobenzene	180	12.846	12.846	(1.164)	261096	20.0000	21
$ 125	Bromofluorobenzene	95	10.018	10.018	(0.908)	188991	20.0000	21
M 126	1,2-Dichloroethene (total)	100				278380	40.0000	41
M 127	Xylene (total)	100				775078	60.0000	59

QC Flag Legend

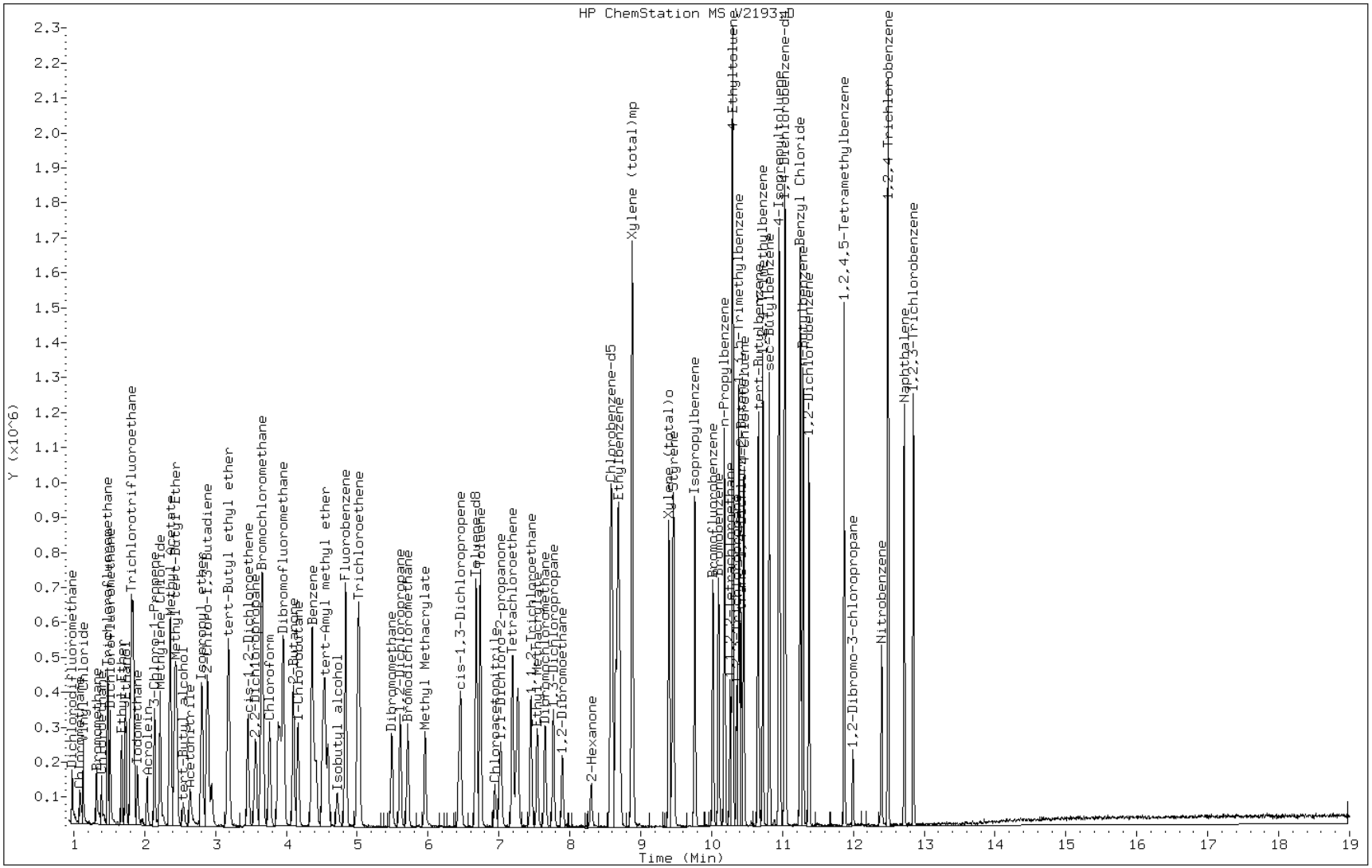
M - Compound response manually integrated.

Data File: V2193.D

Date: 13-JUL-2011 15:25

Client ID: ICIS Instrument: msv.i

Sample Info: ICIS Operator: B.KOSTRZEWSKA



Manual Integration Report

Data File: V2193.D
Inj. Date and Time: 13-JUL-2011 15:25
Instrument ID: msv.i
Client ID: ICIS
Compound: 67 1,4-Dioxane
CAS #: 123-91-1
Report Date: 07/14/2011

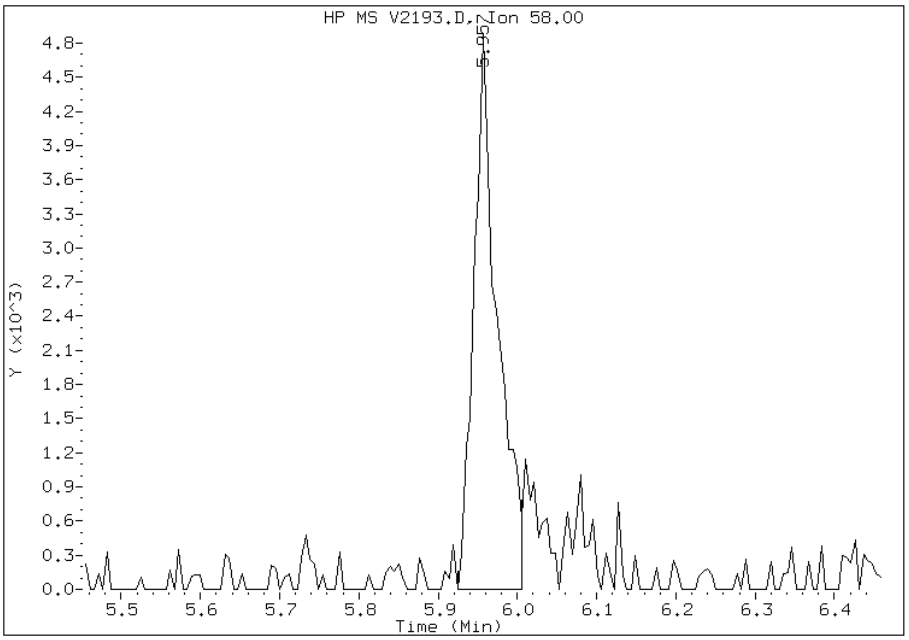
Processing Integration Results

RT: 5.96

Response: 10027

Amount: 168

Conc: 168



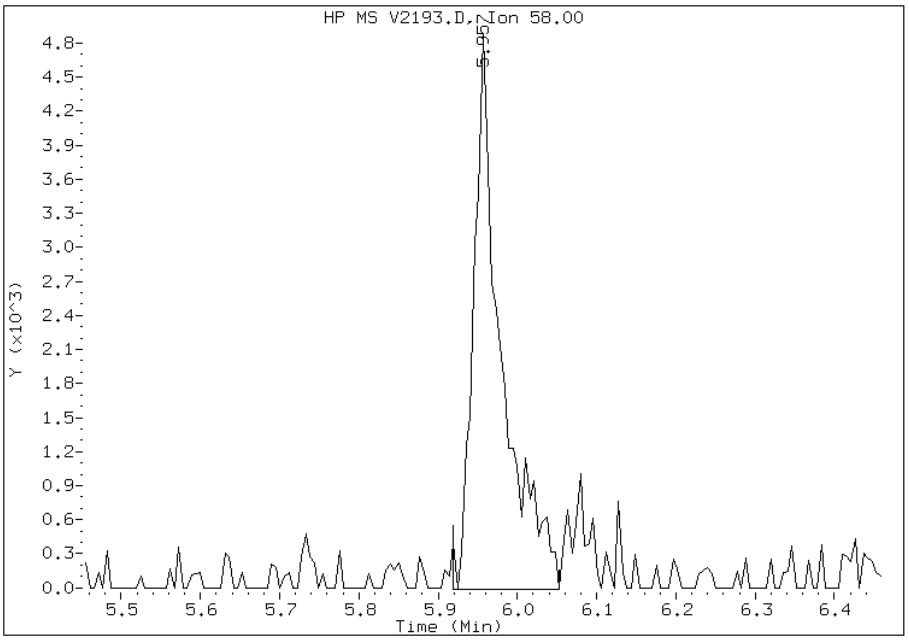
Manual Integration Results

RT: 5.96

Response: 11919

Amount: 49

Conc: 49



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

Manual Integration Report

Data File: V2193.D
Inj. Date and Time: 13-JUL-2011 15:25
Instrument ID: msv.i
Client ID: ICIS
Compound: 87 1-Chlorohexane
CAS #: 544-10-5
Report Date: 07/14/2011

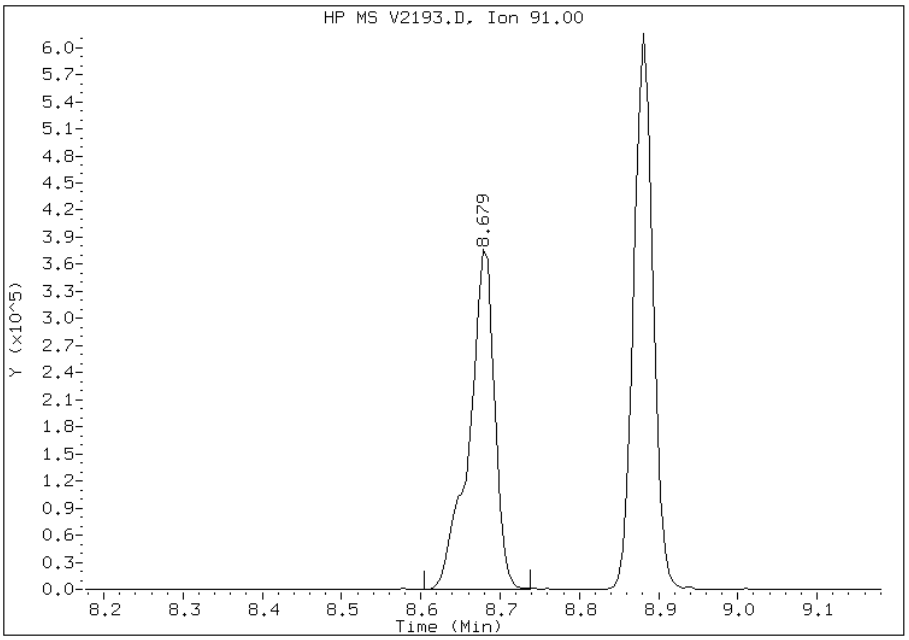
Processing Integration Results

RT: 8.68

Response: 830054

Amount: 41

Conc: 41



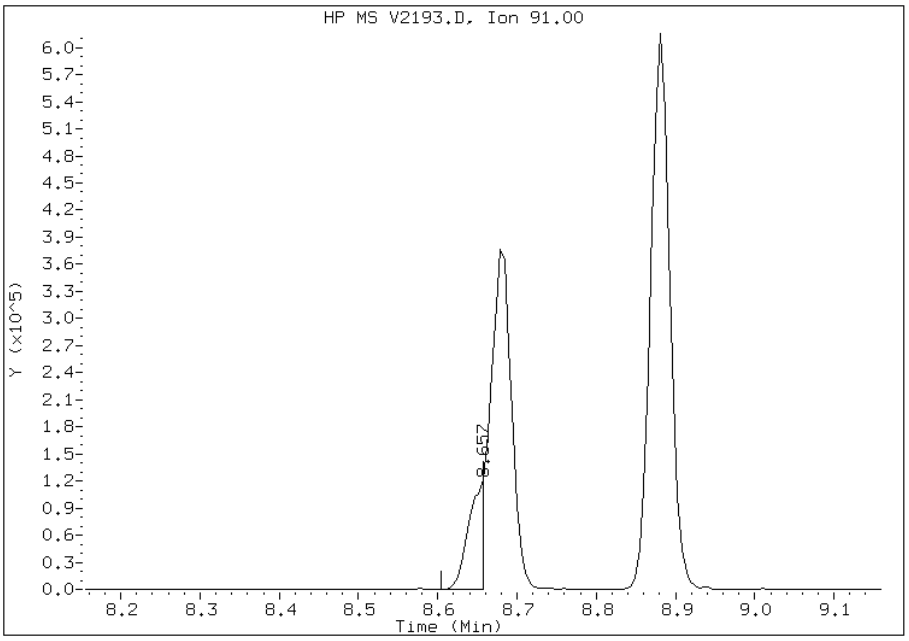
Manual Integration Results

RT: 8.66

Response: 166172

Amount: 29

Conc: 29



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

Manual Integration Report

Data File: V2193.D
Inj. Date and Time: 13-JUL-2011 15:25
Instrument ID: msv.i
Client ID: ICIS
Compound: 53 2-Methyl-2-Propenenitrile
CAS #: 126-98-7
Report Date: 07/14/2011

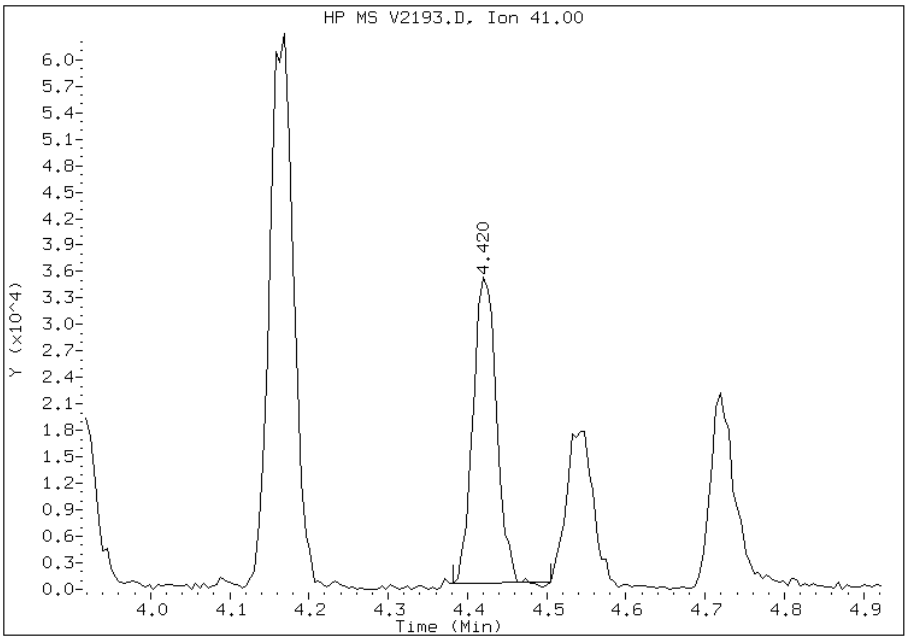
Processing Integration Results

RT: 4.42

Response: 69656

Amount: 18

Conc: 18



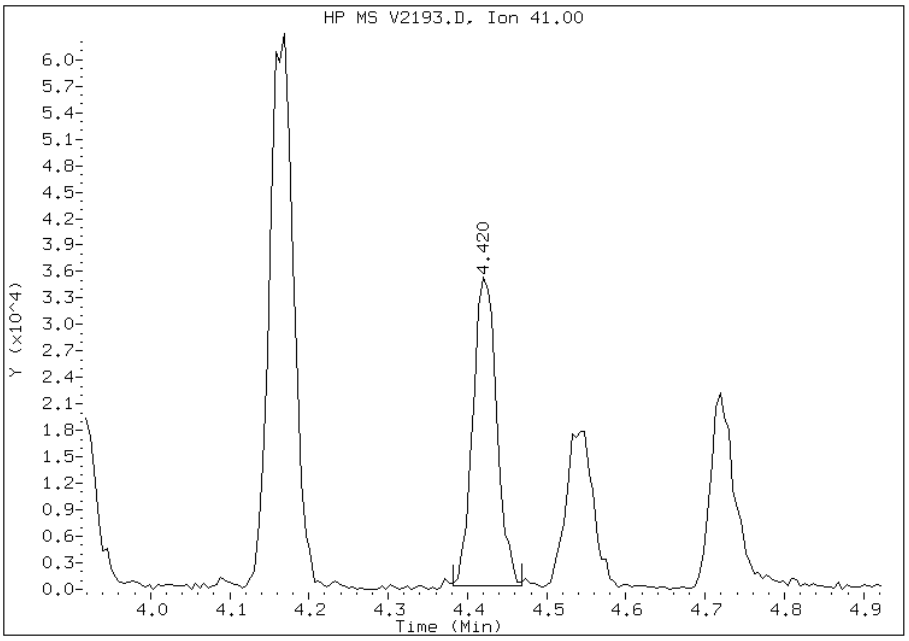
Manual Integration Results

RT: 4.42

Response: 72377

Amount: 19

Conc: 19



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

Manual Integration Report

Data File: V2193.D
Inj. Date and Time: 13-JUL-2011 15:25
Instrument ID: msv.i
Client ID: ICIS
Compound: 39 Ethyl Acetate
CAS #: 141-78-6
Report Date: 07/14/2011

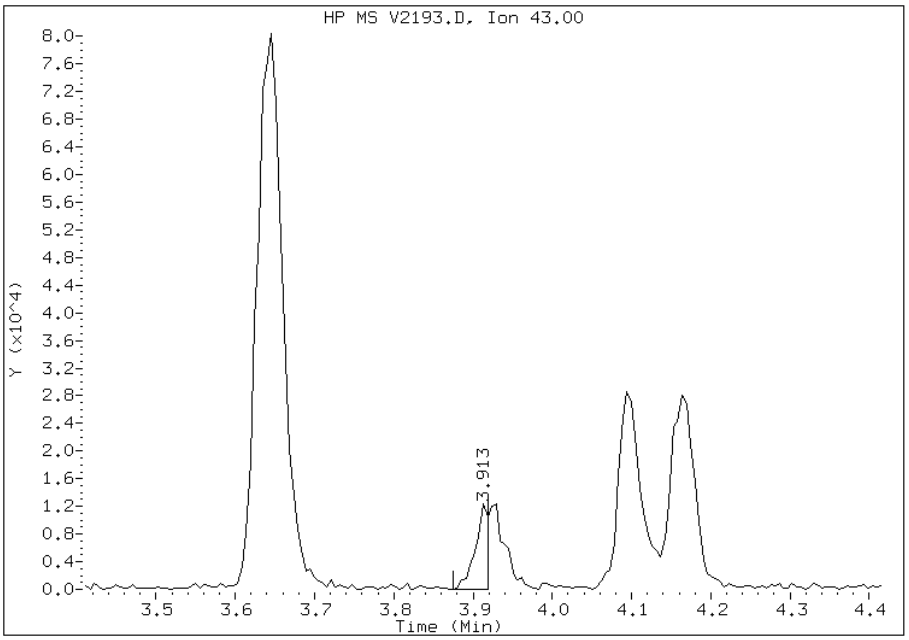
Processing Integration Results

RT: 3.91

Response: 13662

Amount: 21

Conc: 21



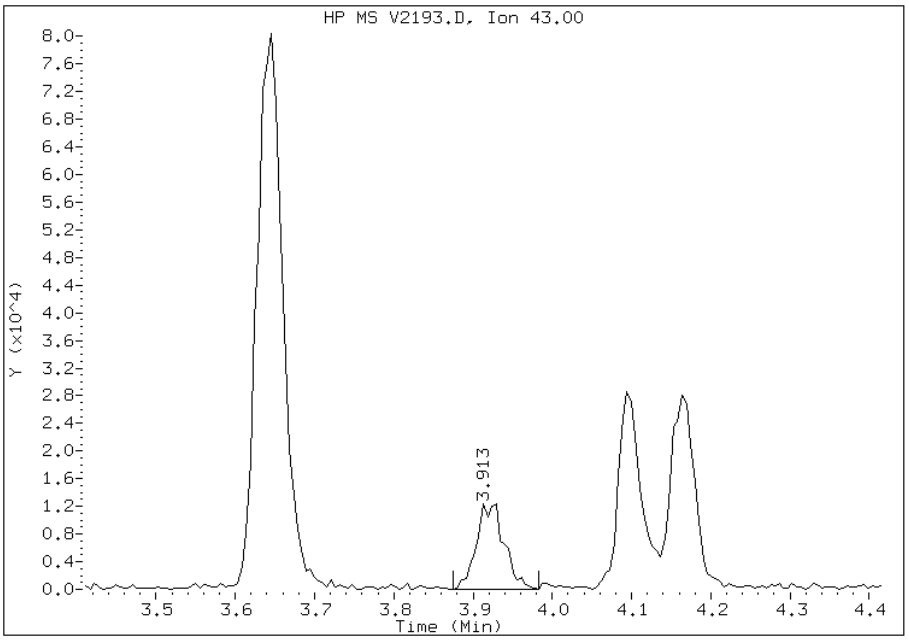
Manual Integration Results

RT: 3.91

Response: 29940

Amount: 44

Conc: 44



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

Manual Integration Report

Data File: V2193.D
Inj. Date and Time: 13-JUL-2011 15:25
Instrument ID: msv.i
Client ID: ICIS
Compound: 50 Heptane
CAS #: 142-82-5
Report Date: 07/14/2011

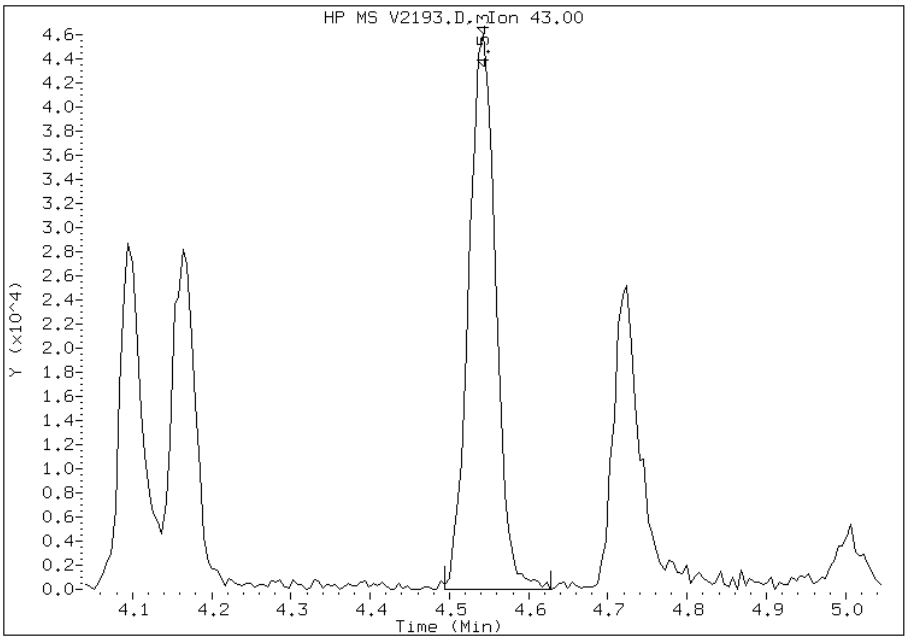
Processing Integration Results

RT: 4.54

Response: 108664

Amount: 19

Conc: 19



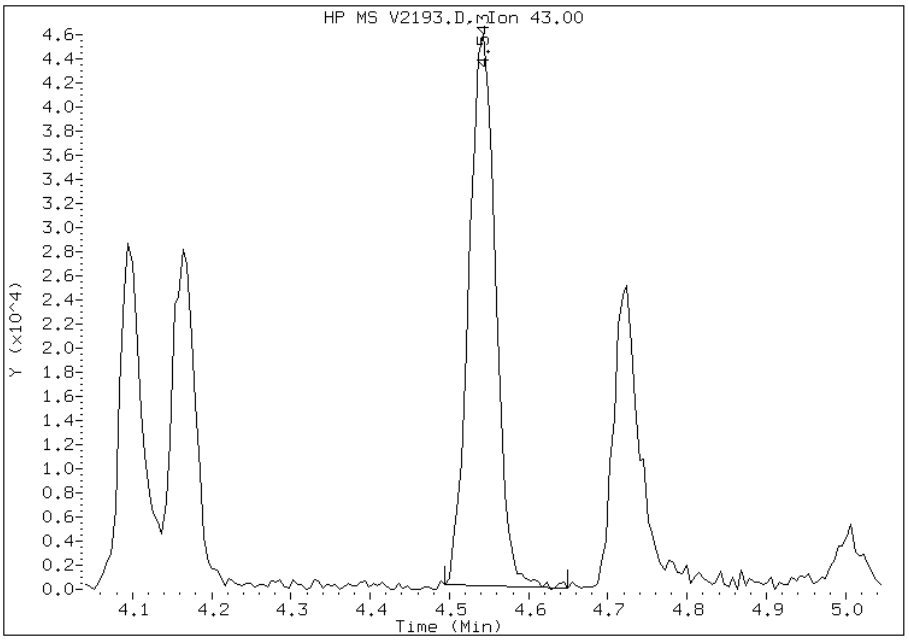
Manual Integration Results

RT: 4.54

Response: 106646

Amount: 18

Conc: 18



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

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msv.i\V112191.b\V2194.D
Lab Smp Id: IC;5 Client Smp ID: IC;5
Inj Date : 13-JUL-2011 15:53 MS Autotune Date: 04-APR-2011 13:44
Operator : B.KOSTRZEWSKA Inst ID: msv.i
Smp Info : IC;5
Misc Info :
Comment :
Method : \\consvr05\Files\Chem\VOA\msv.i\V112191.b\V8260LOW.m
Meth Date : 14-Jul-2011 09:45 msv.i Quant Type: ISTD
Cal Date : 13-JUL-2011 15:25 Cal File: V2193.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	4.836	4.836	(1.000)	656559	25.0000	
2	Dichlorodifluoromethane	85	0.977	0.977	(0.202)	25816	5.00000	4
3	Chloromethane	50	1.089	1.089	(0.225)	27028	5.00000	4
4	Vinyl Chloride	62	1.132	1.132	(0.234)	26754	5.00000	4
5	Bromomethane	94	1.324	1.324	(0.274)	17093	5.00000	5
6	Chloroethane	64	1.393	1.393	(0.288)	15215	5.00000	6
7	Trichlorofluoromethane	101	1.479	1.479	(0.306)	55658	5.00000	5
8	Dichlorofluoromethane	67	1.516	1.516	(0.314)	45685	5.00000	5
9	Ethyl Ether	45	1.682	1.682	(0.348)	16958	5.00000	5
10	Ethanol	45	1.735	1.735	(0.359)	8166	50.0000	54
12	Freon 123	67	1.852	1.852	(0.383)	5882	5.00000	4(M)
13	Trichlorotrifluoroethane	101	1.836	1.836	(0.380)	27460	5.00000	4
14	1,1-Dichloroethene	96	1.804	1.804	(0.373)	22966	5.00000	5
15	Carbon Disulfide	76	1.820	1.820	(0.376)	84987	5.00000	4
16	Iodomethane	142	1.900	1.900	(0.393)	31029	5.00000	7
17	Acrolein	56	2.044	2.044	(0.423)	21692	25.0000	23
18	2-Propanol	45	2.445	2.445	(0.506)	3043	5.00000	2
19	3-Chloro-1-Propene	41	2.141	2.141	(0.443)	38093	5.00000	5
20	Methylene Chloride	84	2.221	2.221	(0.459)	44065	5.00000	7
21	Acetone	43	2.263	2.263	(0.468)	9085	5.00000	5
22	trans-1,2-Dichloroethene	96	2.354	2.354	(0.487)	27794	5.00000	4
23	Methyl Acetate	43	2.370	2.370	(0.490)	113731	5.00000	4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	24 Methyl tert-Butyl Ether	73	2.450	2.450	(0.507)	93603	5.00000	5
	25 tert-Butyl alcohol	59	2.541	2.541	(0.525)	19418	25.0000	25(M)
	26 Acetonitrile	41	2.642	2.642	(0.546)	29507	50.0000	42
	27 Isopropyl ether	45	2.808	2.808	(0.581)	83809	5.00000	4
	28 tert-Butyl ethyl ether	59	3.187	3.187	(0.659)	86626	5.00000	4
	29 2-Chloro-1,3-Butadiene	88	2.882	2.882	(0.596)	24737	5.00000	4
	30 Acrylonitrile	53	2.941	2.941	(0.608)	21807	10.0000	9
	31 1,1-Dichloroethane	63	2.904	2.904	(0.601)	53002	5.00000	5
	32 Vinyl Acetate	43	3.187	3.187	(0.659)	61436	5.00000	4
	33 cis-1,2-Dichloroethene	96	3.459	3.459	(0.715)	33565	5.00000	5
	34 2,2-Dichloropropane	77	3.571	3.571	(0.738)	43612	5.00000	4
	35 Bromochloromethane	128	3.662	3.662	(0.757)	18245	5.00000	5
	37 Cyclohexane	84	3.662	3.662	(0.757)	35912	5.00000	4
	38 Chloroform	83	3.758	3.758	(0.777)	59957	5.00000	5
	39 Ethyl Acetate	43	3.923	3.923	(0.811)	6731	10.0000	14(M)
	40 Methyl Acrylate	55	3.923	3.923	(0.811)	27455	5.00000	4
$	41 Dibromofluoromethane	111	3.955	3.955	(0.818)	33551	5.00000	4
	42 Tetrahydrofuran	42	3.918	3.918	(0.810)	17577	10.0000	9
	43 Carbon Tetrachloride	117	3.896	3.896	(0.806)	51012	5.00000	5
	44 1,1,1-Trichloroethane	97	3.960	3.960	(0.819)	55141	5.00000	4
	45 2-Butanone	43	4.099	4.099	(0.848)	13673	5.00000	4(M)
	46 1,1-Dichloropropene	75	4.099	4.099	(0.848)	41904	5.00000	4
	47 tert-Amyl methyl ether	73	4.537	4.537	(0.938)	81213	5.00000	4
	49 1-Chlorobutane	56	4.163	4.163	(0.861)	52407	5.00000	4
	50 Heptane	43	4.547	4.547	(0.940)	23254	5.00000	4(MH)
	51 Propionitrile	54	4.393	4.393	(0.908)	45561	50.0000	48
	52 Benzene	78	4.366	4.366	(0.903)	117875	5.00000	4
	53 2-Methyl-2-Propenenitrile	41	4.425	4.425	(0.915)	16292	5.00000	4
	54 Isobutyl alcohol	42	4.724	4.724	(0.977)	7236	50.0000	45
$	55 1,2-Dichloroethane-d4	65	4.505	4.505	(0.932)	42040	5.00000	5
	56 1,2-Dichloroethane	62	4.590	4.590	(0.949)	45930	5.00000	5
	59 Methyl Cyclohexane	83	5.012	5.012	(1.036)	46087	5.00000	4
	60 Trichloroethene	130	5.033	5.033	(1.041)	34476	5.00000	4
	63 Dibromomethane	93	5.481	5.481	(1.134)	22133	5.00000	4
	64 1,2-Dichloropropane	63	5.610	5.610	(1.160)	32316	5.00000	5(T)
	65 Bromodichloromethane	83	5.711	5.711	(1.181)	44425	5.00000	4
	66 Methyl Methacrylate	69	5.962	5.962	(1.233)	21203	5.00000	6
	67 1,4-Dioxane	58	5.962	5.962	(1.233)	3410	50.0000	31(M)
	69 2-Chloroethylvinylether	63	6.437	6.437	(1.331)	17384	5.00000	4
	70 cis-1,3-Dichloropropene	75	6.463	6.463	(1.337)	49367	5.00000	4
	71 Chloroacetonitrile	48	6.949	6.949	(1.437)	9981	50.0000	42
	72 2-Nitropropane	41	7.008	7.008	(1.449)	16361	10.0000	10
	73 trans-1,3-Dichloropropene	75	7.264	7.264	(1.502)	50432	5.00000	4
	74 1,1,2-Trichloroethane	97	7.451	7.451	(1.541)	30517	5.00000	5
*	75 Chlorobenzene-d5	117	8.577	8.577	(1.000)	481453	25.0000	
	76 Toluene	91	6.736	6.736	(0.785)	122566	5.00000	4
$	77 Toluene-d8	98	6.677	6.677	(0.778)	114338	5.00000	4
	78 1,1-Dichloro-2-propanone	43	7.029	7.029	(0.820)	76097	25.0000	23
	79 4-Methyl-2-Pentanone	43	7.243	7.243	(0.844)	24381	5.00000	4
	80 Tetrachloroethene	164	7.189	7.189	(0.838)	30305	5.00000	5
	81 Ethyl Methacrylate	69	7.536	7.536	(0.879)	32016	5.00000	4
	82 Dibromochloromethane	129	7.648	7.648	(0.892)	40853	5.00000	5
	83 1,3-Dichloropropane	76	7.771	7.771	(0.906)	47759	5.00000	4
	84 1,2-Dibromoethane	107	7.894	7.894	(0.920)	33280	5.00000	4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
86	2-Hexanone	43	8.305	8.305	(0.968)	17292	5.00000	4
87	1-Chlorohexane	91	8.652	8.652	(1.009)	23589	5.00000	11(MH)
88	Chlorobenzene	112	8.598	8.598	(1.002)	85141	5.00000	4
89	1,1,1,2-Tetrachloroethane	131	8.705	8.705	(1.015)	35041	5.00000	4
90	Ethylbenzene	106	8.678	8.678	(1.012)	45301	5.00000	4
91	Xylene (total)mp	106	8.881	8.881	(1.035)	102402	10.0000	8
92	Xylene (total)o	106	9.399	9.399	(1.096)	51420	5.00000	4
93	Styrene	104	9.463	9.463	(1.103)	85368	5.00000	4
94	Bromoform	173	9.447	9.447	(1.101)	31111	5.00000	5
* 95	1,4-Dichlorobenzene-d4	152	11.032	11.032	(1.000)	274899	25.0000	
96	Isopropylbenzene	105	9.762	9.762	(0.885)	113774	5.00000	4
97	Bromobenzene	156	10.098	10.098	(0.915)	41222	5.00000	5
98	1,1,2,2-Tetrachloroethane	83	10.263	10.263	(0.930)	38815	5.00000	5
99	4-Ethyltoluene	105	10.295	10.295	(0.933)	126879	5.00000	4
100	1,2,3-Trichloropropane	110	10.354	10.354	(0.939)	11815	5.00000	5
101	trans-1,4-Dichloro-2-Butene	53	10.418	10.418	(0.944)	20879	10.0000	9
102	n-Propylbenzene	91	10.183	10.183	(0.923)	144985	5.00000	4
103	2-Chlorotoluene	91	10.295	10.295	(0.933)	113385	5.00000	4
104	4-Chlorotoluene	91	10.455	10.455	(0.948)	106309	5.00000	4
105	1,3,5-Trimethylbenzene	105	10.386	10.386	(0.941)	110786	5.00000	4
106	tert-Butylbenzene	119	10.658	10.658	(0.966)	96363	5.00000	4
107	1,2,4-Trimethylbenzene	105	10.722	10.722	(0.972)	111864	5.00000	4
108	sec-Butylbenzene	105	10.813	10.813	(0.980)	133092	5.00000	4
109	4-Isopropyltoluene	119	10.946	10.946	(0.992)	110439	5.00000	4
110	1,3-Dichlorobenzene	146	10.962	10.962	(0.994)	73630	5.00000	4
111	1,4-Dichlorobenzene	146	11.042	11.042	(1.001)	76522	5.00000	5
112	1,2-Dichlorobenzene	146	11.373	11.373	(1.031)	74518	5.00000	5
113	Benzyl Chloride	126	11.256	11.256	(1.020)	16668	5.00000	5
114	1,4-Diethylbenzene	119	11.245	11.245	(1.019)	57881	5.00000	4
115	n-Butylbenzene	91	11.288	11.288	(1.023)	109730	5.00000	4
118	1,2,4,5-Tetramethylbenzene	119	11.870	11.870	(1.076)	106486	5.00000	4
119	1,2-Dibromo-3-chloropropane	75	11.987	11.987	(1.087)	9878	5.00000	5
120	Nitrobenzene	77	12.398	12.398	(1.124)	44868	50.0000	24
121	1,2,4-Trichlorobenzene	180	12.489	12.489	(1.132)	66006	5.00000	5
122	Hexachlorobutadiene	225	12.489	12.489	(1.132)	30207	5.00000	5
123	Naphthalene	128	12.718	12.718	(1.153)	143260	5.00000	5
124	1,2,3-Trichlorobenzene	180	12.852	12.852	(1.165)	67173	5.00000	5
$ 125	Bromofluorobenzene	95	10.018	10.018	(0.908)	41165	5.00000	4
M 126	1,2-Dichloroethene (total)	100				61359	10.0000	9
M 127	Xylene (total)	100				153822	15.0000	12

QC Flag Legend

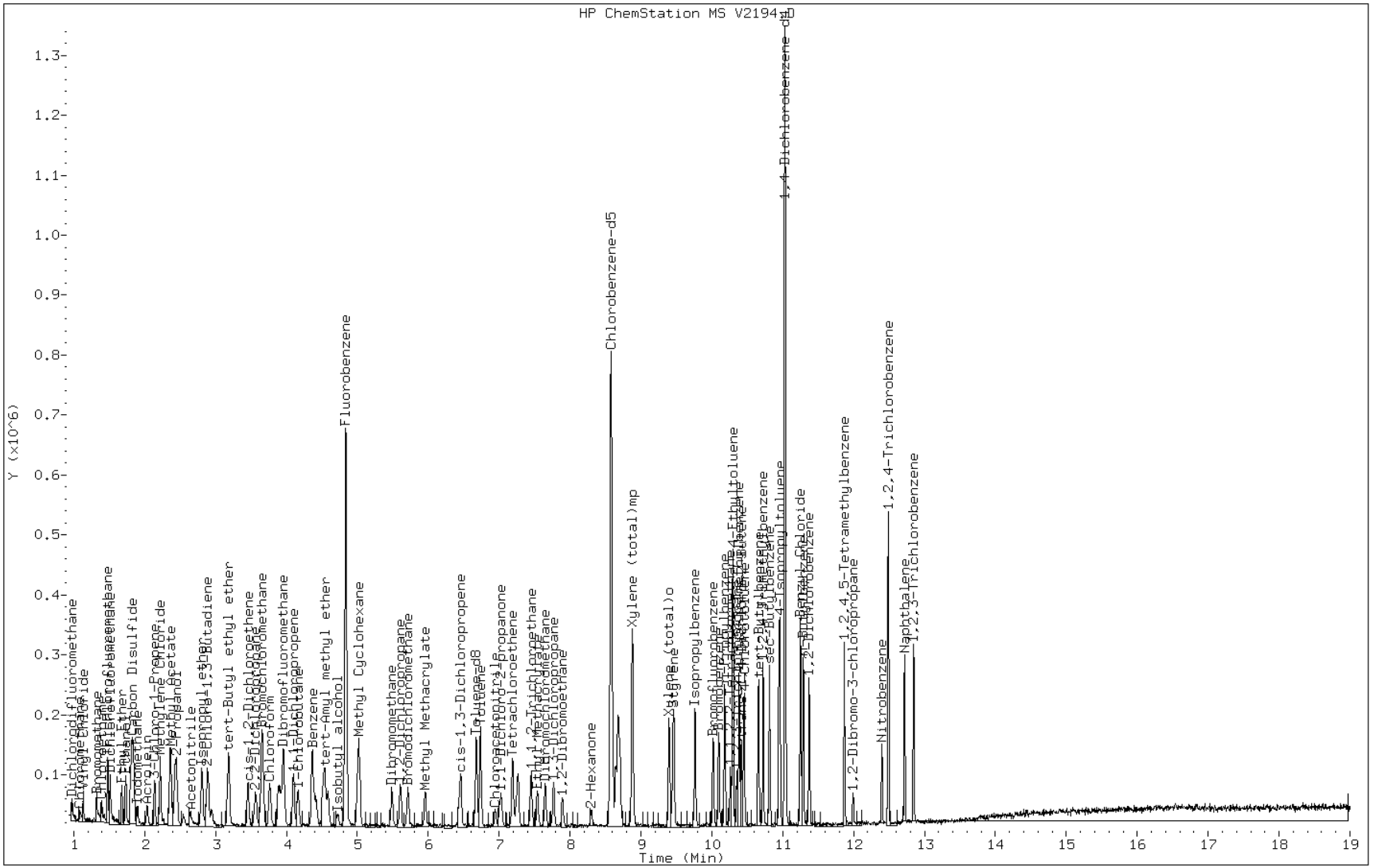
T - Target compound detected outside RT window.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: V2194.D

Date: 13-JUL-2011 15:53

Client ID: IC;5 Instrument: msv.i

Sample Info: IC;5 Operator: B.KOSTRZEWSKA



Manual Integration Report

Data File: V2194.D
Inj. Date and Time: 13-JUL-2011 15:53
Instrument ID: msv.i
Client ID: IC;5
Compound: 25 tert-Butyl alcohol
CAS #: 75-65-0
Report Date: 07/14/2011

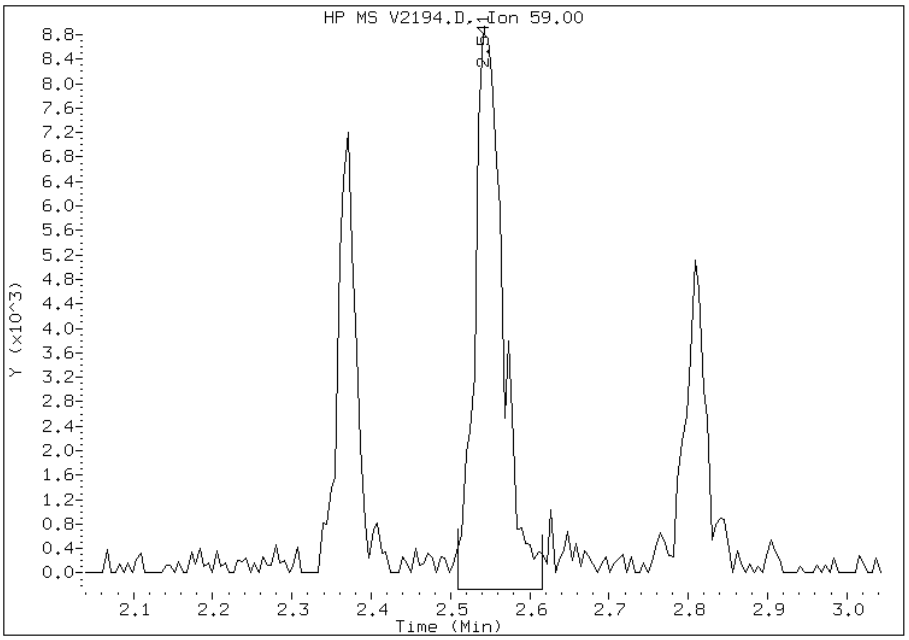
Processing Integration Results

RT: 2.54

Response: 22979

Amount: 28

Conc: 28



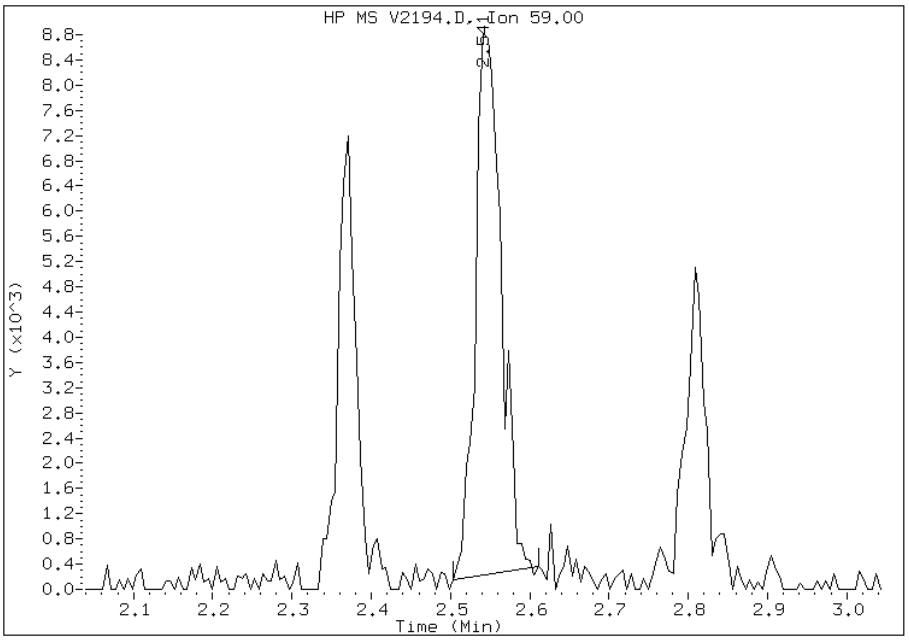
Manual Integration Results

RT: 2.54

Response: 19418

Amount: 25

Conc: 25



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

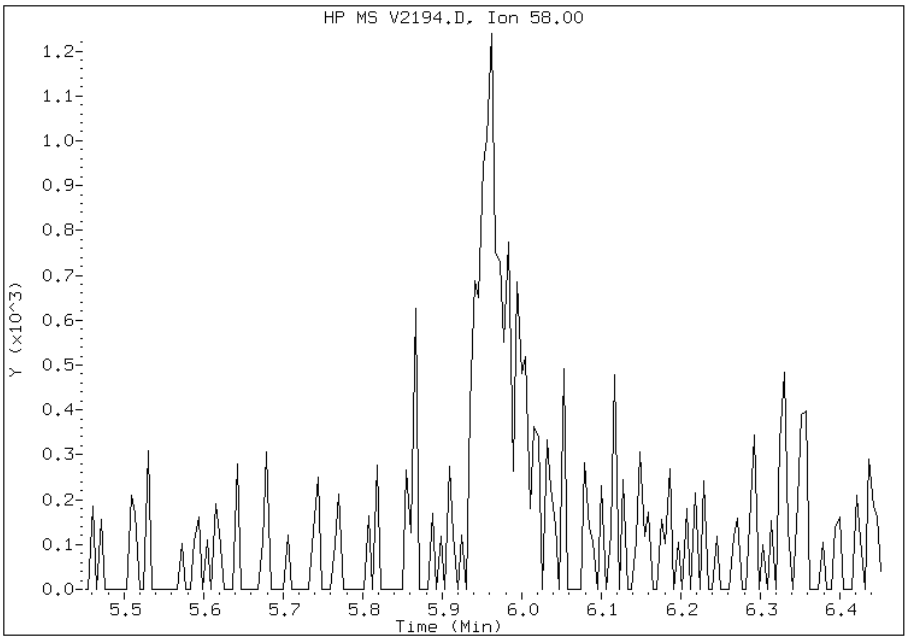
Manual Integration Report

Data File: V2194.D
Inj. Date and Time: 13-JUL-2011 15:53
Instrument ID: msv.i
Client ID: IC;5
Compound: 67 1,4-Dioxane
CAS #: 123-91-1
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 5.95



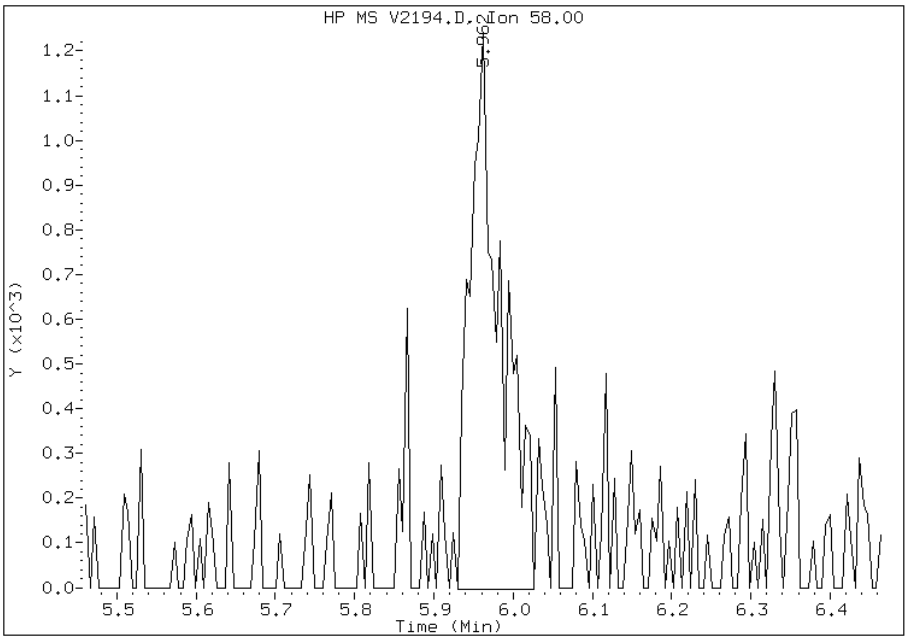
Manual Integration Results

RT: 5.96

Response: 3410

Amount: 31

Conc: 31



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

Manual Integration Report

Data File: V2194.D
Inj. Date and Time: 13-JUL-2011 15:53
Instrument ID: msv.i
Client ID: IC;5
Compound: 45 2-Butanone
CAS #: 78-93-3
Report Date: 07/14/2011

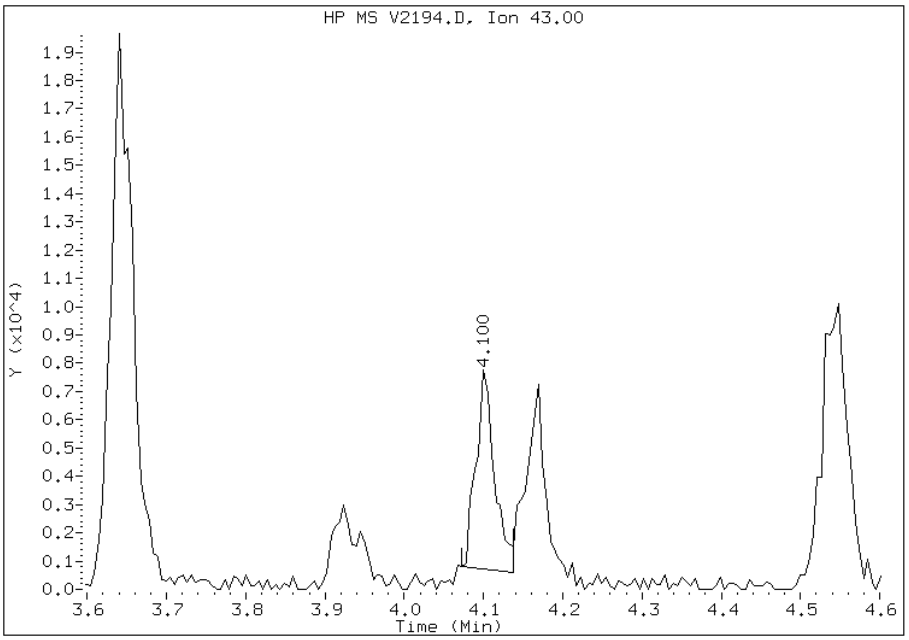
Processing Integration Results

RT: 4.10

Response: 11302

Amount: 4

Conc: 4



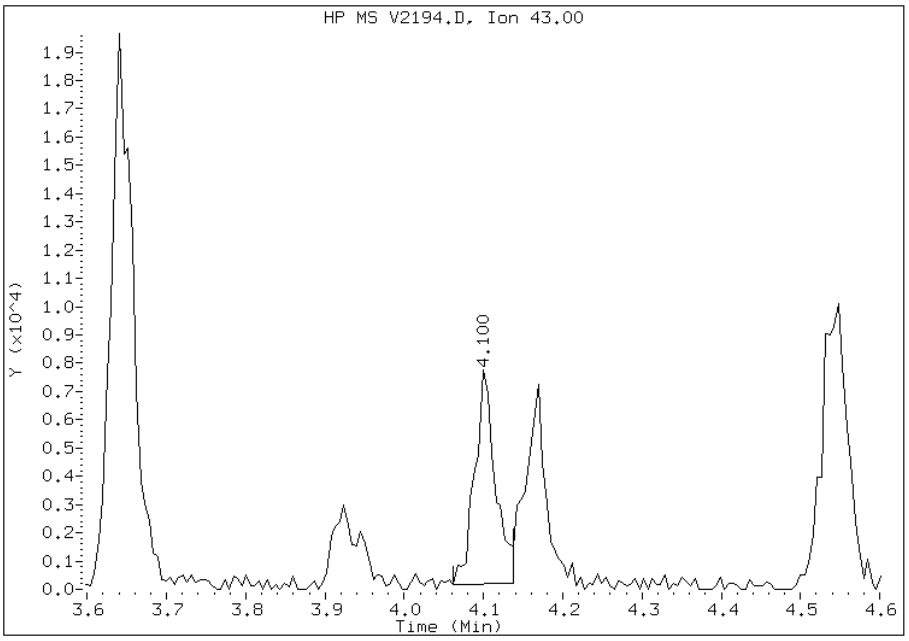
Manual Integration Results

RT: 4.10

Response: 13673

Amount: 5

Conc: 5



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

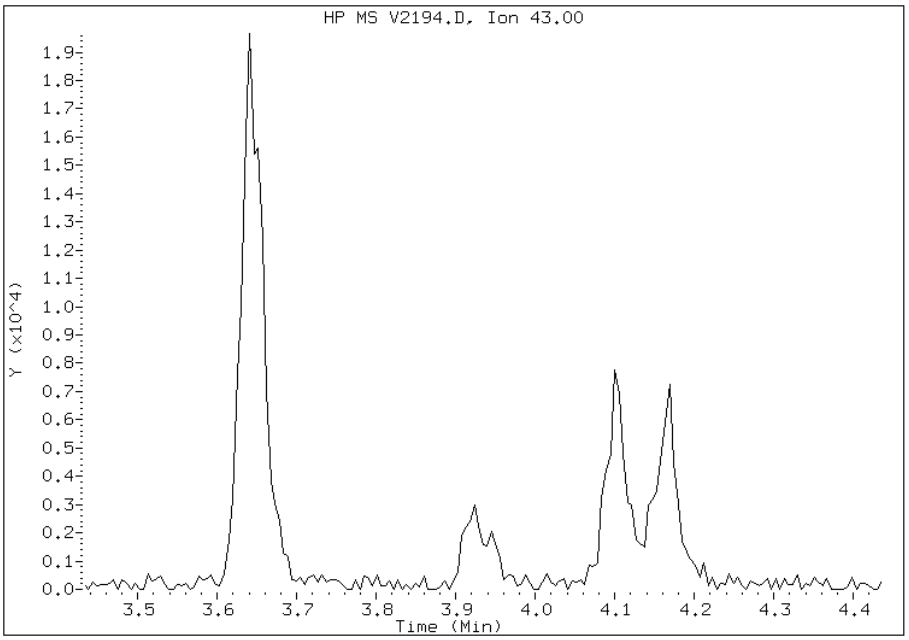
Manual Integration Report

Data File: V2194.D
Inj. Date and Time: 13-JUL-2011 15:53
Instrument ID: msv.i
Client ID: IC;5
Compound: 39 Ethyl Acetate
CAS #: 141-78-6
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 3.93



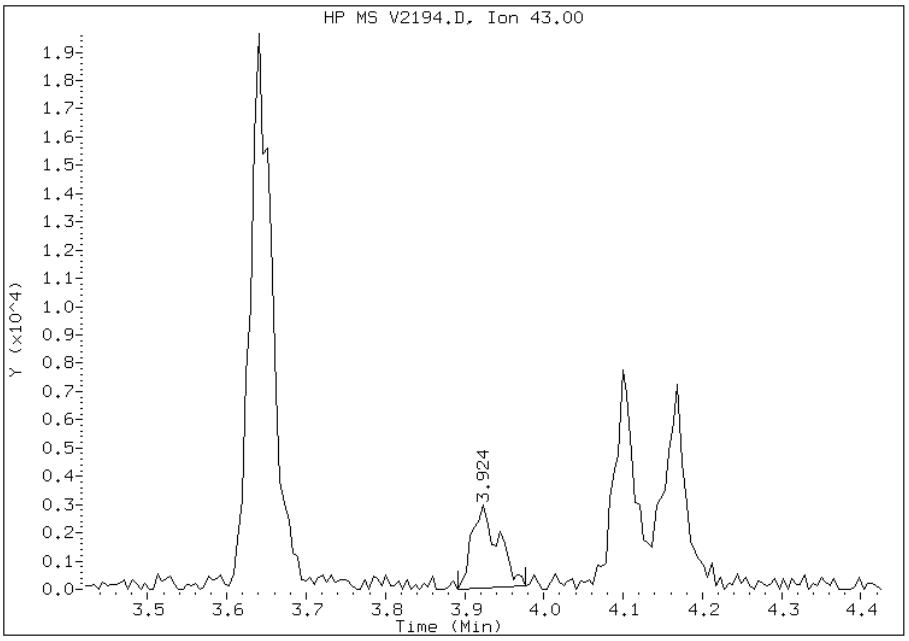
Manual Integration Results

RT: 3.92

Response: 6731

Amount: 14

Conc: 14



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

Manual Integration Report

Data File: V2194.D
Inj. Date and Time: 13-JUL-2011 15:53
Instrument ID: msv.i
Client ID: IC;5
Compound: 50 Heptane
CAS #: 142-82-5
Report Date: 07/14/2011

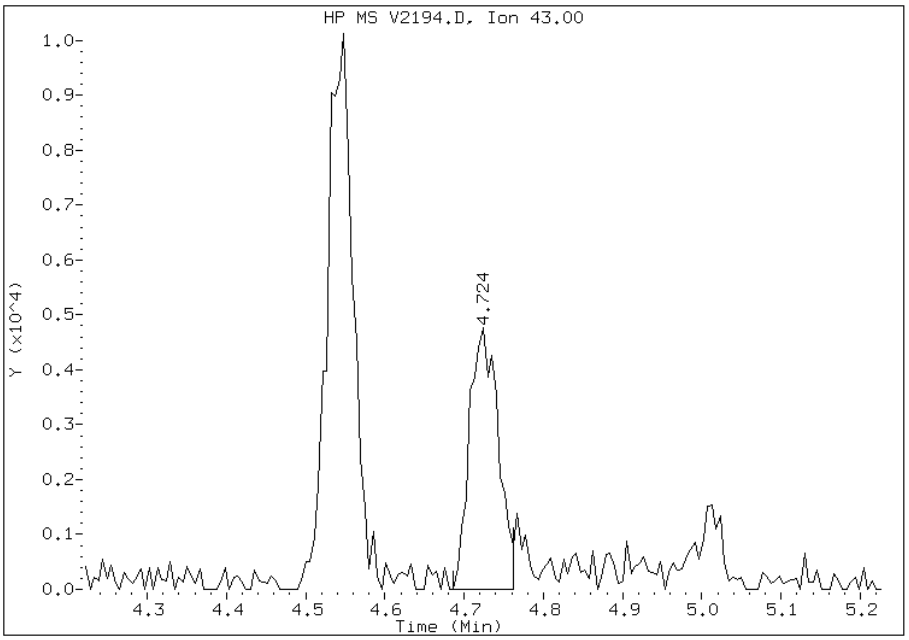
Processing Integration Results

RT: 4.72

Response: 11929

Amount: 2

Conc: 2



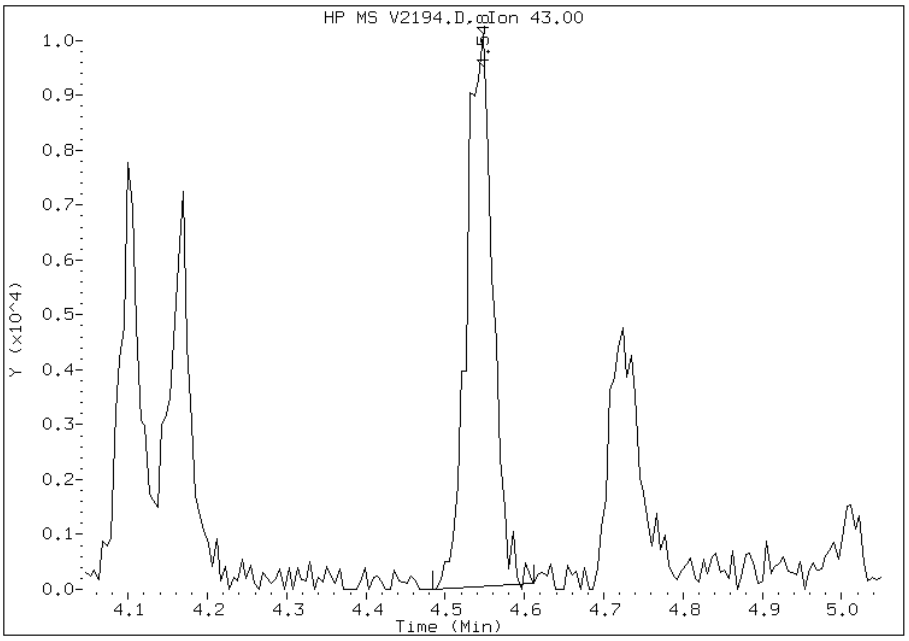
Manual Integration Results

RT: 4.55

Response: 23254

Amount: 4

Conc: 4



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

Manual Integration Report

Data File: V2194.D
Inj. Date and Time: 13-JUL-2011 15:53
Instrument ID: msv.i
Client ID: IC;5
Compound: 87 1-Chlorohexane
CAS #: 544-10-5
Report Date: 07/14/2011

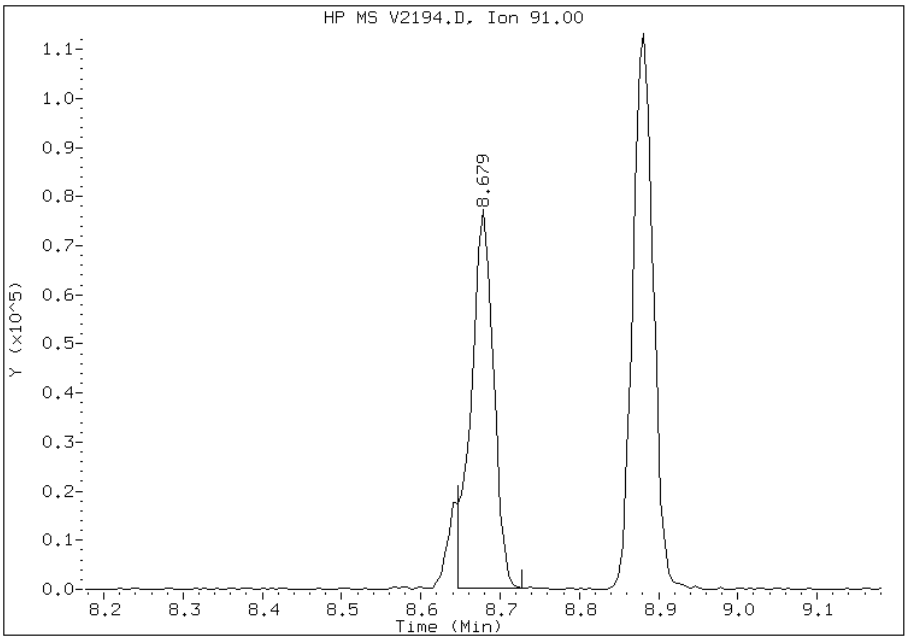
Processing Integration Results

RT: 8.68

Response: 151158

Amount: 11

Conc: 11



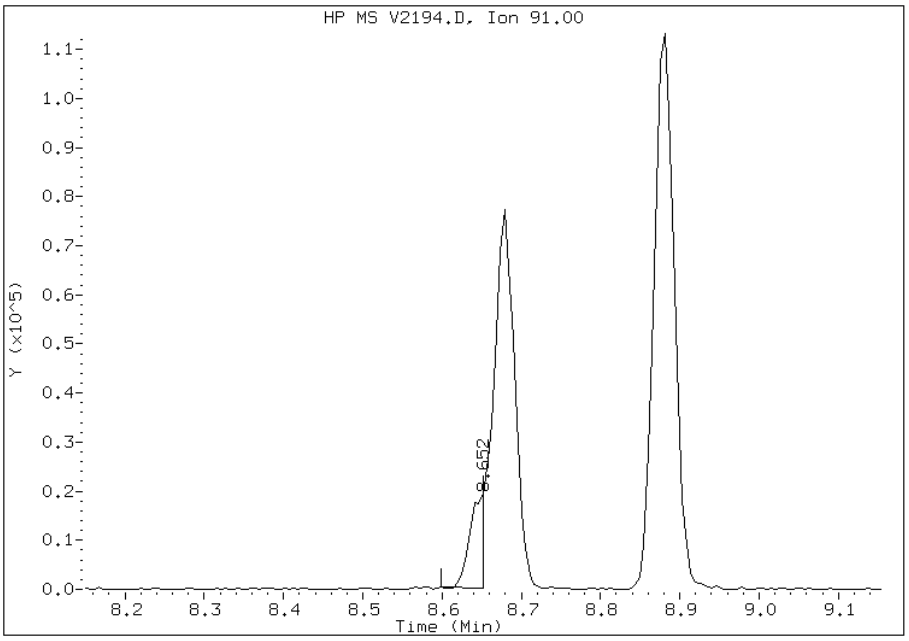
Manual Integration Results

RT: 8.65

Response: 23589

Amount: 11

Conc: 11



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

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msv.i\V112191.b\V2195.D
Lab Smp Id: IC;2 Client Smp ID: IC;2
Inj Date : 13-JUL-2011 16:20 MS Autotune Date: 04-APR-2011 13:44
Operator : B.KOSTRZEWSKA Inst ID: msv.i
Smp Info : IC;2
Misc Info :
Comment :
Method : \\consvr05\Files\Chem\VOA\msv.i\V112191.b\V8260LOW.m
Meth Date : 14-Jul-2011 09:45 msv.i Quant Type: ISTD
Cal Date : 13-JUL-2011 15:53 Cal File: V2194.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	4.836	4.836	(1.000)	619400	25.0000	
2	Dichlorodifluoromethane	85	0.977	0.977	(0.202)	11500	2.00000	2
3	Chloromethane	50	1.095	1.095	(0.226)	12230	2.00000	2
4	Vinyl Chloride	62	1.132	1.132	(0.234)	11286	2.00000	2
5	Bromomethane	94	1.319	1.319	(0.273)	7119	2.00000	2
6	Chloroethane	64	1.399	1.399	(0.289)	5932	2.00000	2
7	Trichlorofluoromethane	101	1.484	1.484	(0.307)	22927	2.00000	2
8	Dichlorofluoromethane	67	1.516	1.516	(0.314)	18013	2.00000	2(T)
9	Ethyl Ether	45	1.676	1.676	(0.347)	8328	2.00000	3
10	Ethanol	45	1.730	1.730	(0.358)	4672	20.0000	37(M)
12	Freon 123	67	1.847	1.847	(0.382)	2788	2.00000	2
13	Trichlorotrifluoroethane	101	1.831	1.831	(0.379)	11965	2.00000	2
14	1,1-Dichloroethene	96	1.804	1.804	(0.373)	8937	2.00000	2
15	Carbon Disulfide	76	1.820	1.820	(0.377)	37261	2.00000	2
16	Iodomethane	142	1.900	1.900	(0.393)	10264	2.00000	3
17	Acrolein	56	2.034	2.034	(0.421)	9319	10.0000	11
18	2-Propanol	45	2.183	2.183	(0.452)	1485	2.00000	2(M)
19	3-Chloro-1-Propene	41	2.146	2.146	(0.444)	16026	2.00000	2
20	Methylene Chloride	84	2.226	2.226	(0.460)	25289	2.00000	4
21	Acetone	43	2.263	2.263	(0.468)	5442	2.00000	3(M)
22	trans-1,2-Dichloroethene	96	2.349	2.349	(0.486)	10607	2.00000	2
23	Methyl Acetate	43	2.370	2.370	(0.490)	49740	2.00000	2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	24 Methyl tert-Butyl Ether	73	2.450	2.450	(0.507)	37588	2.00000	2
	25 tert-Butyl alcohol	59	2.541	2.541	(0.525)	7610	10.0000	10(M)
	26 Acetonitrile	41	2.653	2.653	(0.549)	10815	20.0000	17
	27 Isopropyl ether	45	2.813	2.813	(0.582)	33529	2.00000	2
	28 tert-Butyl ethyl ether	59	3.181	3.181	(0.658)	36085	2.00000	2
	29 2-Chloro-1,3-Butadiene	88	2.877	2.877	(0.595)	10338	2.00000	2
	30 Acrylonitrile	53	2.952	2.952	(0.610)	7591	4.00000	3
	31 1,1-Dichloroethane	63	2.898	2.898	(0.599)	20510	2.00000	2
	32 Vinyl Acetate	43	3.187	3.187	(0.659)	23840	2.00000	2
	33 cis-1,2-Dichloroethene	96	3.459	3.459	(0.715)	14998	2.00000	2
	34 2,2-Dichloropropane	77	3.571	3.571	(0.738)	18361	2.00000	2
	35 Bromochloromethane	128	3.662	3.662	(0.757)	6750	2.00000	2
	37 Cyclohexane	84	3.656	3.656	(0.756)	12876	2.00000	2
	38 Chloroform	83	3.763	3.763	(0.778)	25633	2.00000	2
	39 Ethyl Acetate	43	3.923	3.923	(0.811)	3115	4.00000	8(M)
	40 Methyl Acrylate	55	3.918	3.918	(0.810)	10084	2.00000	2
$	41 Dibromofluoromethane	111	3.950	3.950	(0.817)	13778	2.00000	2
	42 Tetrahydrofuran	42	3.923	3.923	(0.811)	7868	4.00000	4(M)
	43 Carbon Tetrachloride	117	3.886	3.886	(0.804)	22709	2.00000	2
	44 1,1,1-Trichloroethane	97	3.955	3.955	(0.818)	20924	2.00000	2
	45 2-Butanone	43	4.099	4.099	(0.848)	4658	2.00000	2(TM)
	46 1,1-Dichloropropene	75	4.099	4.099	(0.848)	16054	2.00000	2
	47 tert-Amyl methyl ether	73	4.542	4.542	(0.939)	32124	2.00000	2
	49 1-Chlorobutane	56	4.163	4.163	(0.861)	21211	2.00000	2
	50 Heptane	43	4.542	4.542	(0.939)	9166	2.00000	2(TM)
	51 Propionitrile	54	4.393	4.393	(0.908)	16956	20.0000	19
	52 Benzene	78	4.366	4.366	(0.903)	49160	2.00000	2
	53 2-Methyl-2-Propenenitrile	41	4.430	4.430	(0.916)	7564	2.00000	2
	54 Isobutyl alcohol	42	4.734	4.734	(0.979)	3091	20.0000	21(M)
$	55 1,2-Dichloroethane-d4	65	4.510	4.510	(0.933)	17376	2.00000	2(M)
	56 1,2-Dichloroethane	62	4.585	4.585	(0.948)	18500	2.00000	2
	59 Methyl Cyclohexane	83	5.001	5.001	(1.034)	22497	2.00000	2(M)
	60 Trichloroethene	130	5.033	5.033	(1.041)	13547	2.00000	2
	63 Dibromomethane	93	5.487	5.487	(1.135)	9187	2.00000	2(M)
	64 1,2-Dichloropropane	63	5.610	5.610	(1.160)	13090	2.00000	2(T)
	65 Bromodichloromethane	83	5.711	5.711	(1.181)	18838	2.00000	2
	66 Methyl Methacrylate	69	5.951	5.951	(1.231)	8065	2.00000	3
	67 1,4-Dioxane	58	5.988	5.988	(1.238)	1760	20.0000	15(M)
	69 2-Chloroethylvinylether	63	6.431	6.431	(1.330)	6563	2.00000	2
	70 cis-1,3-Dichloropropene	75	6.453	6.453	(1.334)	21126	2.00000	2(M)
	71 Chloroacetonitrile	48	6.938	6.938	(1.435)	4767	20.0000	22(M)
	72 2-Nitropropane	41	7.002	7.002	(1.448)	6035	4.00000	4(T)
	73 trans-1,3-Dichloropropene	75	7.269	7.269	(1.503)	20912	2.00000	2
	74 1,1,2-Trichloroethane	97	7.451	7.451	(1.541)	11304	2.00000	2(M)
*	75 Chlorobenzene-d5	117	8.577	8.577	(1.000)	457524	25.0000	
	76 Toluene	91	6.736	6.736	(0.785)	54476	2.00000	2
$	77 Toluene-d8	98	6.677	6.677	(0.778)	47457	2.00000	2
	78 1,1-Dichloro-2-propanone	43	7.024	7.024	(0.819)	28437	10.0000	9
	79 4-Methyl-2-Pentanone	43	7.243	7.243	(0.844)	9364	2.00000	2(T)
	80 Tetrachloroethene	164	7.189	7.189	(0.838)	12388	2.00000	2
	81 Ethyl Methacrylate	69	7.552	7.552	(0.881)	13198	2.00000	2
	82 Dibromochloromethane	129	7.643	7.643	(0.891)	15895	2.00000	2(T)
	83 1,3-Dichloropropane	76	7.771	7.771	(0.906)	20208	2.00000	2
	84 1,2-Dibromoethane	107	7.894	7.894	(0.920)	12757	2.00000	2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	86 2-Hexanone	43	8.305	8.305	(0.968)	6546	2.00000	2(T)
	87 1-Chlorohexane	91	8.652	8.652	(1.009)	10932	2.00000	7(M)
	88 Chlorobenzene	112	8.593	8.593	(1.002)	37450	2.00000	2
	89 1,1,1,2-Tetrachloroethane	131	8.705	8.705	(1.015)	14604	2.00000	2(T)
	90 Ethylbenzene	106	8.678	8.678	(1.012)	17649	2.00000	2
	91 Xylene (total)mp	106	8.881	8.881	(1.035)	43453	4.00000	4
	92 Xylene (total)o	106	9.399	9.399	(1.096)	20072	2.00000	2
	93 Styrene	104	9.463	9.463	(1.103)	33361	2.00000	2
	94 Bromoform	173	9.447	9.447	(1.101)	12793	2.00000	2
*	95 1,4-Dichlorobenzene-d4	152	11.032	11.032	(1.000)	252204	25.0000	
	96 Isopropylbenzene	105	9.762	9.762	(0.885)	44619	2.00000	2
	97 Bromobenzene	156	10.098	10.098	(0.915)	17979	2.00000	2
	98 1,1,2,2-Tetrachloroethane	83	10.263	10.263	(0.930)	16463	2.00000	2
	99 4-Ethyltoluene	105	10.295	10.295	(0.933)	46996	2.00000	2
	100 1,2,3-Trichloropropane	110	10.354	10.354	(0.939)	4950	2.00000	2
	101 trans-1,4-Dichloro-2-Butene	53	10.423	10.423	(0.945)	8153	4.00000	4
	102 n-Propylbenzene	91	10.183	10.183	(0.923)	58217	2.00000	2
	103 2-Chlorotoluene	91	10.295	10.295	(0.933)	46093	2.00000	2
	104 4-Chlorotoluene	91	10.455	10.455	(0.948)	41313	2.00000	2
	105 1,3,5-Trimethylbenzene	105	10.386	10.386	(0.941)	43987	2.00000	2
	106 tert-Butylbenzene	119	10.658	10.658	(0.966)	37314	2.00000	2
	107 1,2,4-Trimethylbenzene	105	10.722	10.722	(0.972)	43068	2.00000	2
	108 sec-Butylbenzene	105	10.813	10.813	(0.980)	52123	2.00000	2
	109 4-Isopropyltoluene	119	10.946	10.946	(0.992)	44525	2.00000	2
	110 1,3-Dichlorobenzene	146	10.962	10.962	(0.994)	30119	2.00000	2
	111 1,4-Dichlorobenzene	146	11.043	11.043	(1.001)	32143	2.00000	2
	112 1,2-Dichlorobenzene	146	11.373	11.373	(1.031)	30218	2.00000	2
	113 Benzyl Chloride	126	11.256	11.256	(1.020)	5721	2.00000	2
	114 1,4-Diethylbenzene	119	11.245	11.245	(1.019)	23530	2.00000	2
	115 n-Butylbenzene	91	11.288	11.288	(1.023)	44181	2.00000	2
	118 1,2,4,5-Tetramethylbenzene	119	11.870	11.870	(1.076)	45993	2.00000	2
	119 1,2-Dibromo-3-chloropropane	75	11.987	11.987	(1.087)	4140	2.00000	2
	120 Nitrobenzene	77	12.398	12.398	(1.124)	19092	20.0000	11
	121 1,2,4-Trichlorobenzene	180	12.489	12.489	(1.132)	24390	2.00000	2
	122 Hexachlorobutadiene	225	12.489	12.489	(1.132)	12946	2.00000	2
	123 Naphthalene	128	12.718	12.718	(1.153)	56820	2.00000	2
	124 1,2,3-Trichlorobenzene	180	12.852	12.852	(1.165)	27528	2.00000	2
$	125 Bromofluorobenzene	95	10.018	10.018	(0.908)	17840	2.00000	2
M	126 1,2-Dichloroethene (total)	100				25605	4.00000	4
M	127 Xylene (total)	100				63525	6.00000	6

QC Flag Legend

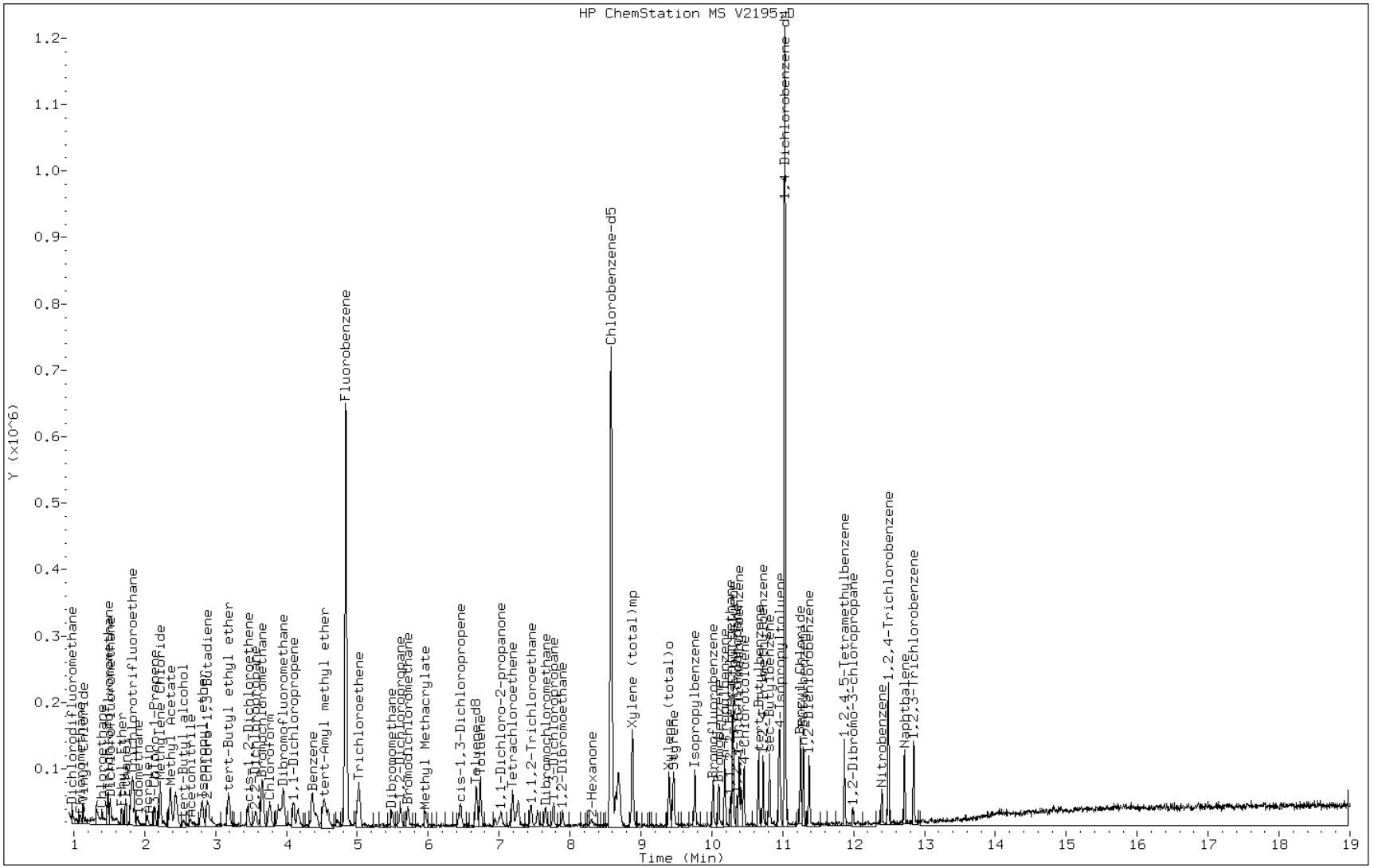
T - Target compound detected outside RT window.
M - Compound response manually integrated.

Data File: V2195.D

Date: 13-JUL-2011 16:20

Client ID: IC;2 Instrument: msv.i

Sample Info: IC;2 Operator: B.KOSTRZEWSKA



Manual Integration Report

Data File: V2195.D
Inj. Date and Time: 13-JUL-2011 16:20
Instrument ID: msv.i
Client ID: IC;2
Compound: 87 1-Chlorohexane
CAS #: 544-10-5
Report Date: 07/14/2011

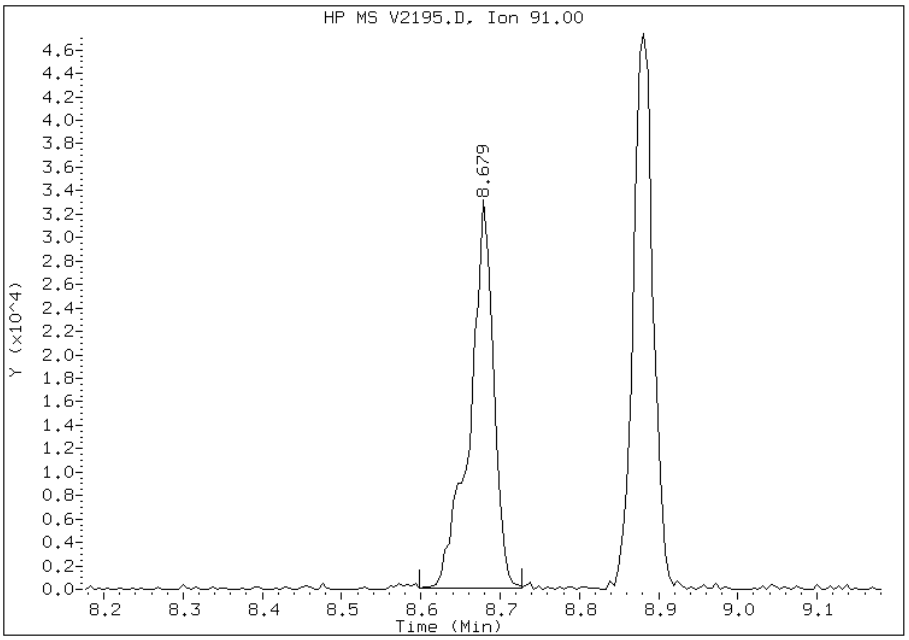
Processing Integration Results

RT: 8.68

Response: 67667

Amount: 5

Conc: 5



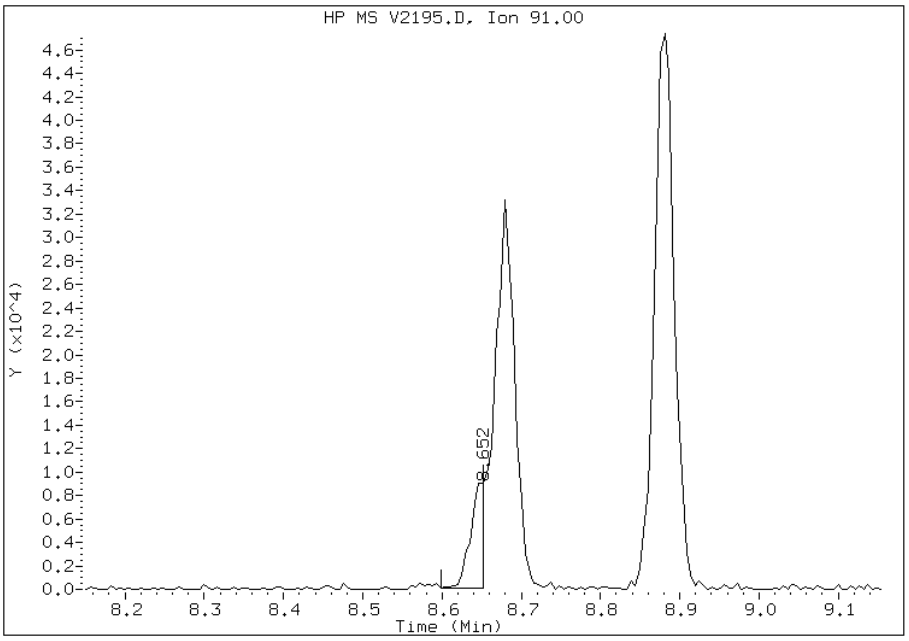
Manual Integration Results

RT: 8.65

Response: 10932

Amount: 7

Conc: 7



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

Manual Integration Report

Data File: V2195.D
Inj. Date and Time: 13-JUL-2011 16:20
Instrument ID: msv.i
Client ID: IC;2
Compound: 18 2-Propanol
CAS #: 67-63-0
Report Date: 07/14/2011

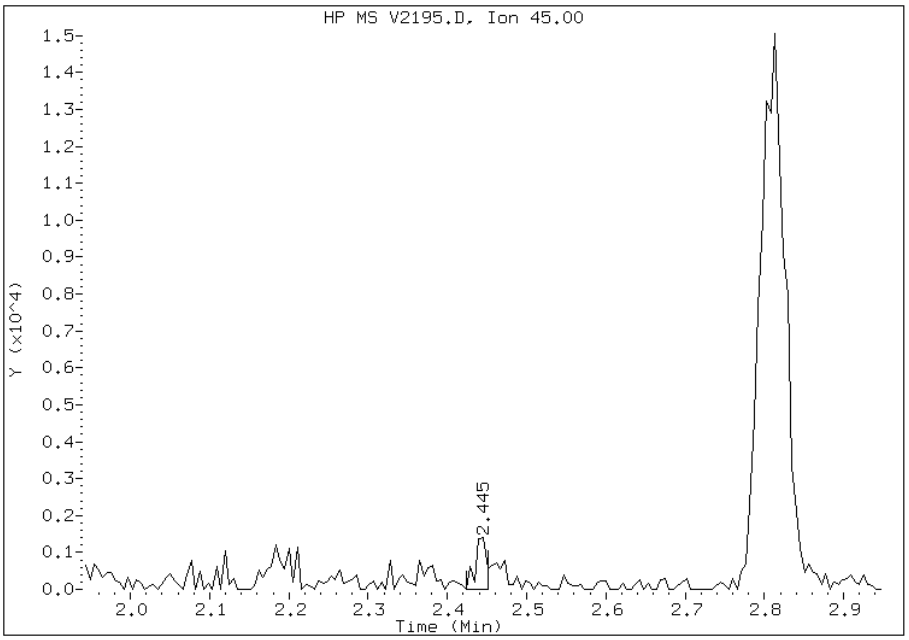
Processing Integration Results

RT: 2.45

Response: 1316

Amount: 2

Conc: 2



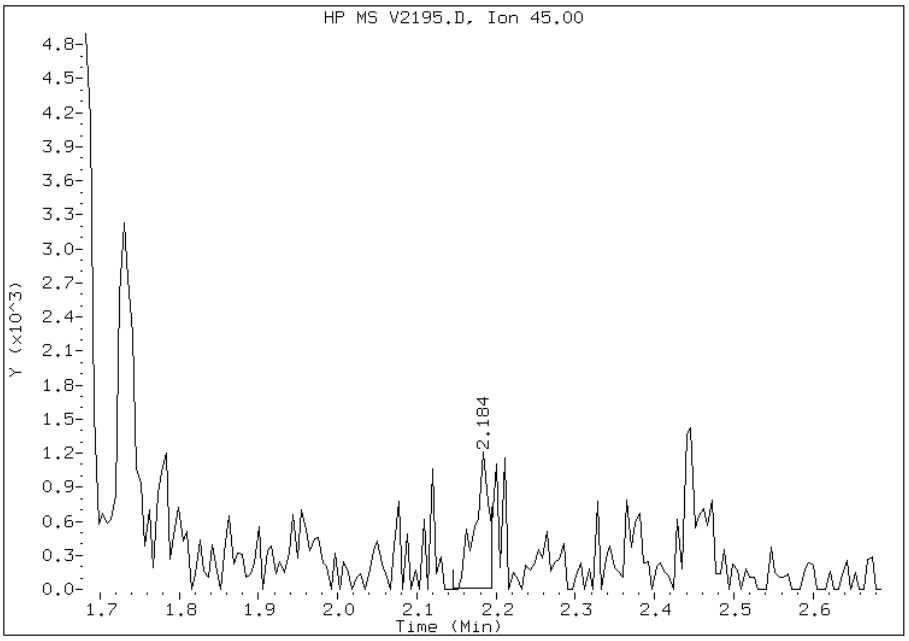
Manual Integration Results

RT: 2.18

Response: 1485

Amount: 2

Conc: 2



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

Manual Integration Report

Data File: V2195.D
Inj. Date and Time: 13-JUL-2011 16:20
Instrument ID: msv.i
Client ID: IC;2
Compound: 71 Chloroacetonitrile
CAS #: 107-14-2
Report Date: 07/14/2011

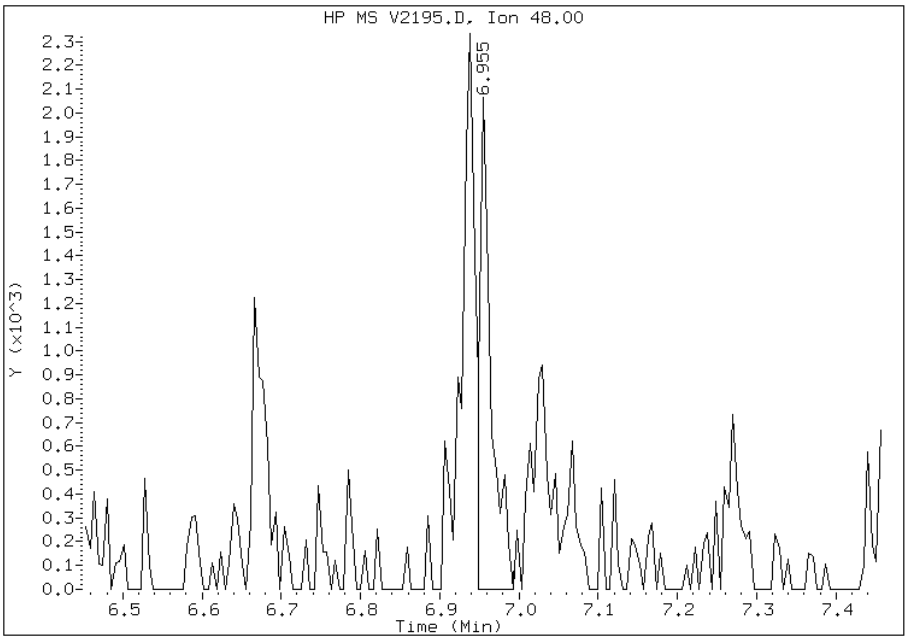
Processing Integration Results

RT: 6.95

Response: 2050

Amount: 11

Conc: 11



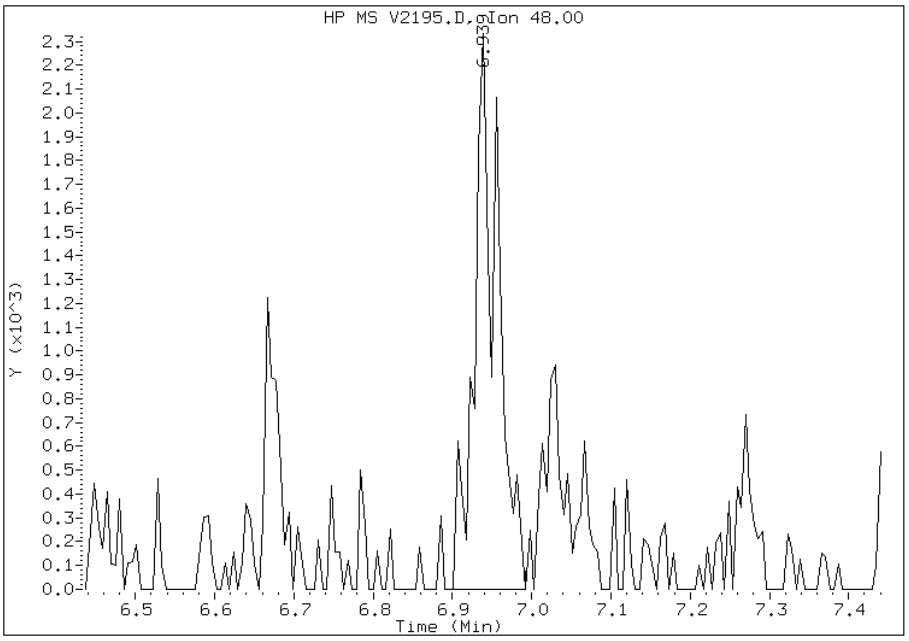
Manual Integration Results

RT: 6.94

Response: 4767

Amount: 22

Conc: 22



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

Manual Integration Report

Data File: V2195.D
Inj. Date and Time: 13-JUL-2011 16:20
Instrument ID: msv.i
Client ID: IC;2
Compound: 50 Heptane
CAS #: 142-82-5
Report Date: 07/14/2011

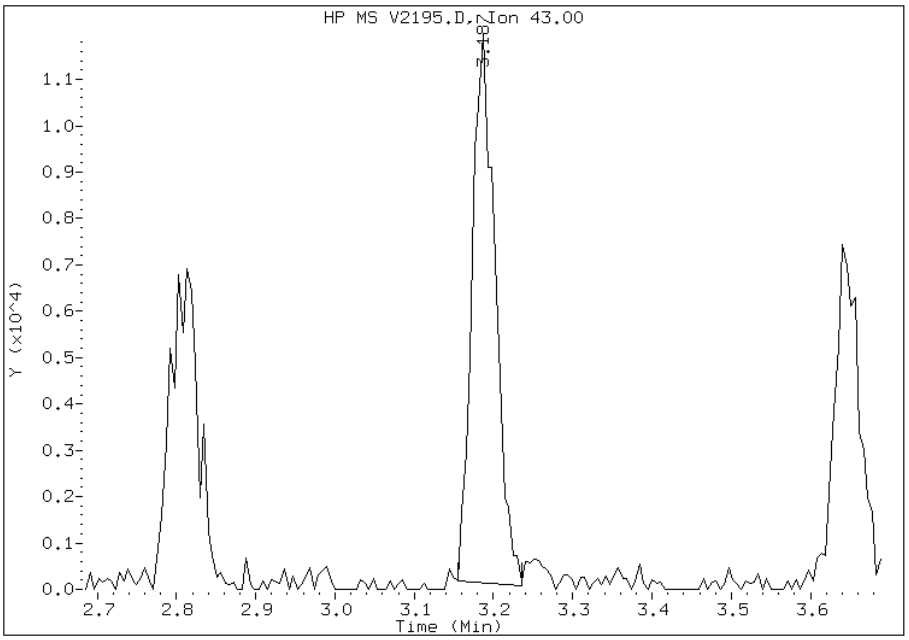
Processing Integration Results

RT: 3.19

Response: 23840

Amount: 2

Conc: 2



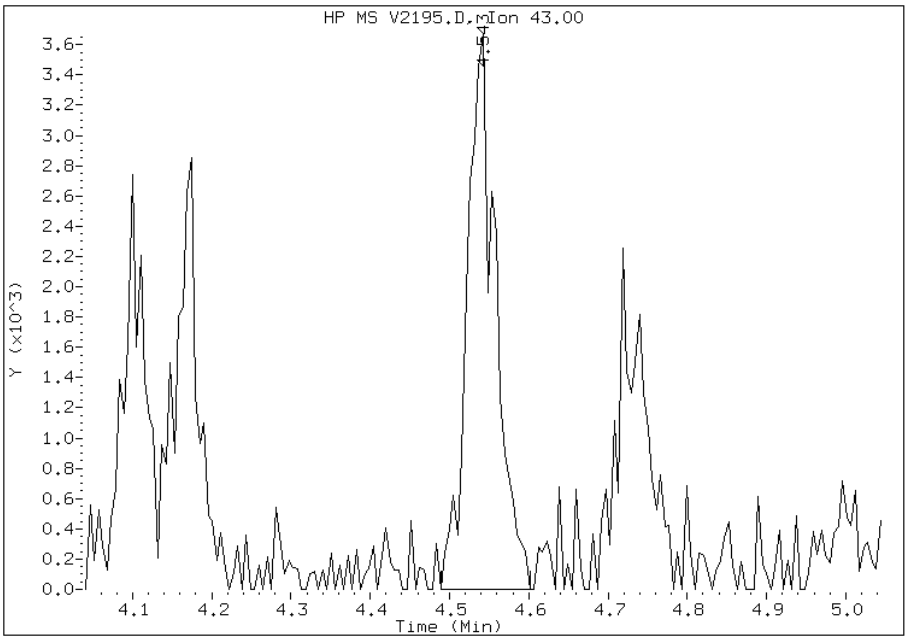
Manual Integration Results

RT: 4.54

Response: 9166

Amount: 2

Conc: 2



Manually Integrated By: barbara
Manual Integration Reason:

Manual Integration Report

Data File: V2195.D
Inj. Date and Time: 13-JUL-2011 16:20
Instrument ID: msv.i
Client ID: IC;2
Compound: 25 tert-Butyl alcohol
CAS #: 75-65-0
Report Date: 07/14/2011

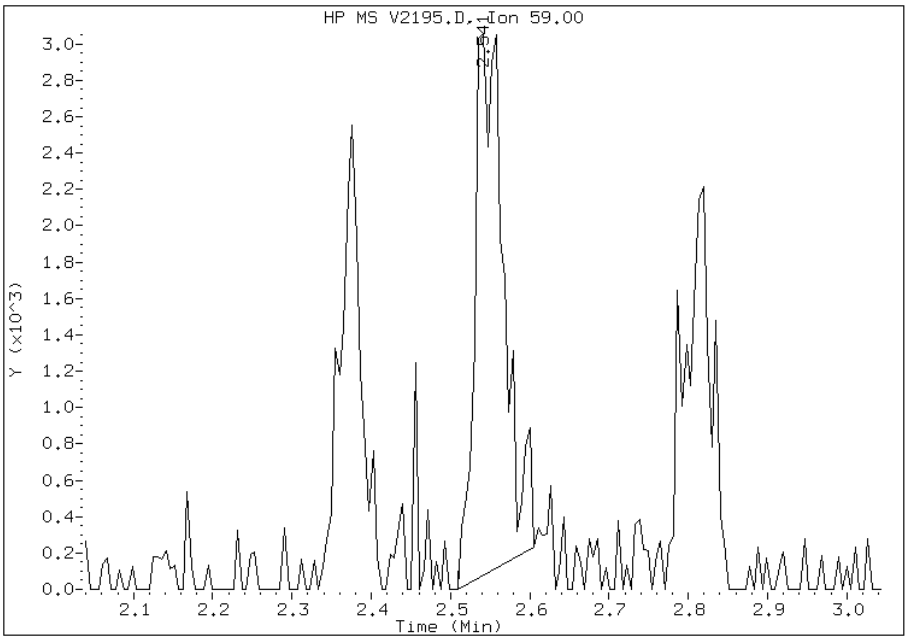
Processing Integration Results

RT: 2.54

Response: 7610

Amount: 10

Conc: 10



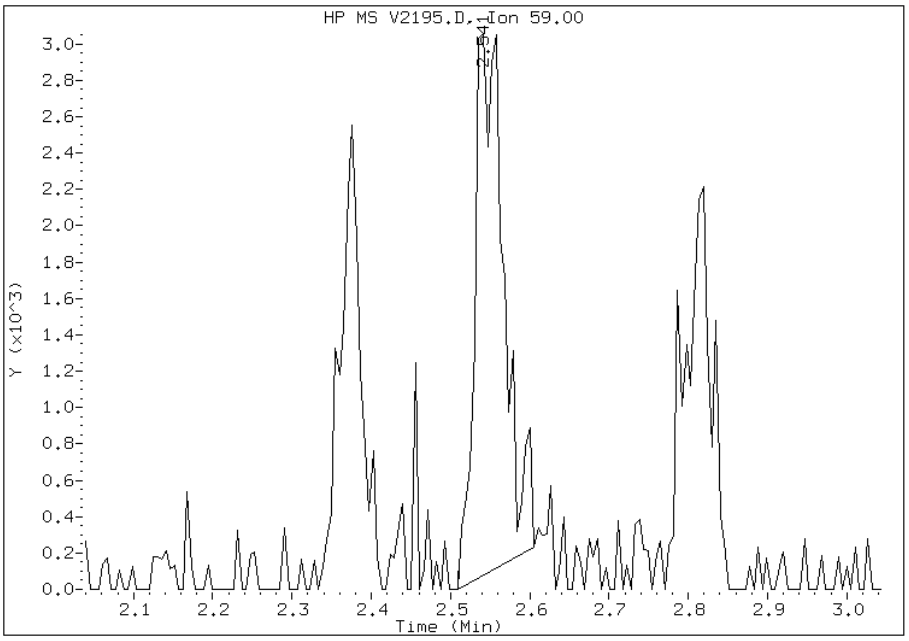
Manual Integration Results

RT: 2.54

Response: 7610

Amount: 10

Conc: 10



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

Manual Integration Report

Data File: V2195.D
Inj. Date and Time: 13-JUL-2011 16:20
Instrument ID: msv.i
Client ID: IC;2
Compound: 63 Dibromomethane
CAS #: 74-95-3
Report Date: 07/14/2011

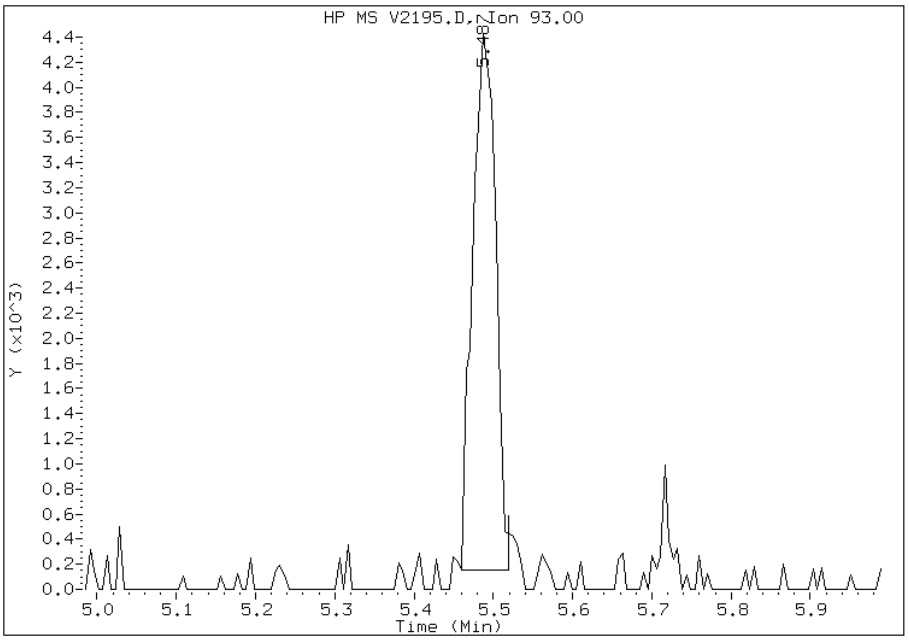
Processing Integration Results

RT: 5.49

Response: 8523

Amount: 2

Conc: 2



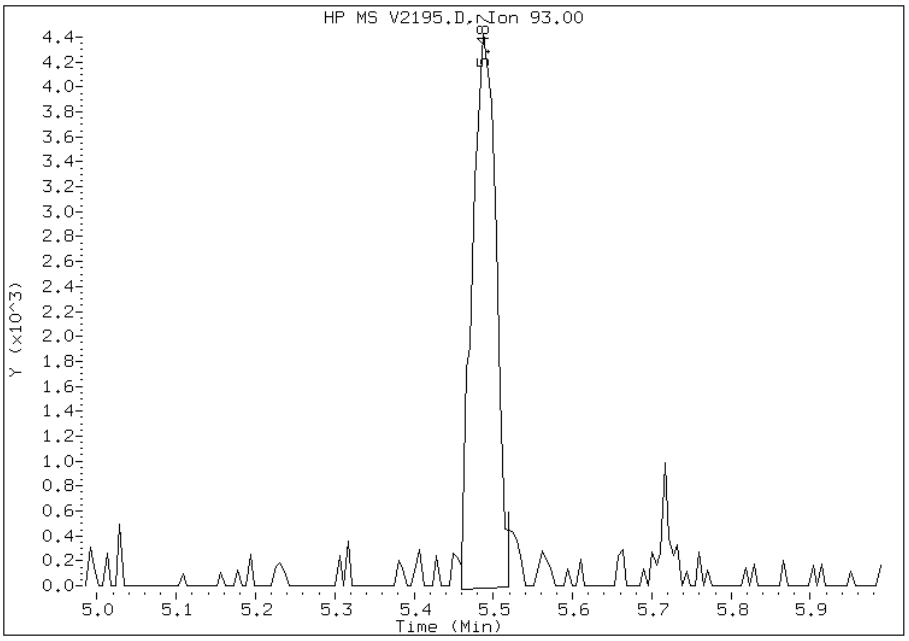
Manual Integration Results

RT: 5.49

Response: 9187

Amount: 2

Conc: 2



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

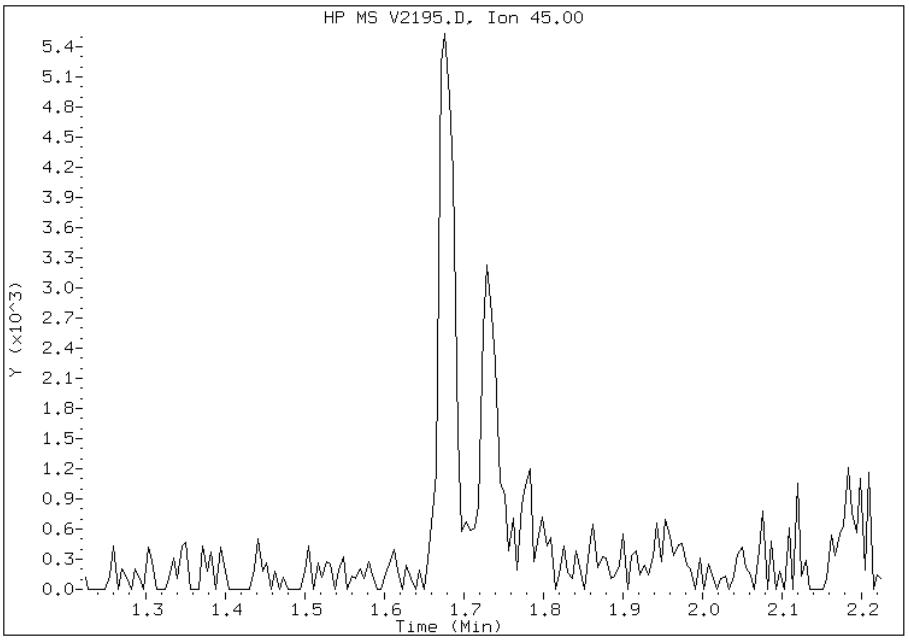
Manual Integration Report

Data File: V2195.D
Inj. Date and Time: 13-JUL-2011 16:20
Instrument ID: msv.i
Client ID: IC;2
Compound: 10 Ethanol
CAS #: 64-17-5
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 1.72



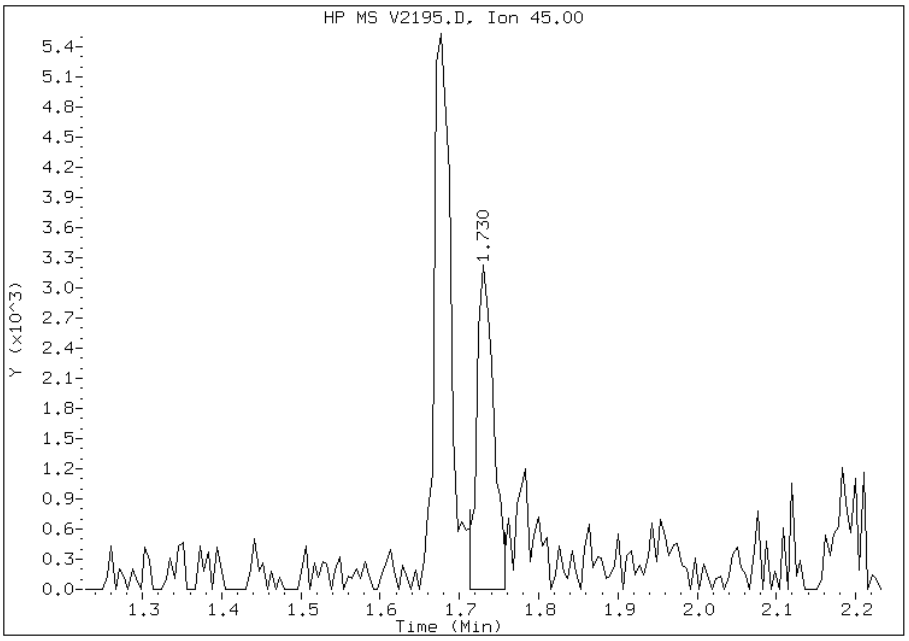
Manual Integration Results

RT: 1.73

Response: 4672

Amount: 37

Conc: 37



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

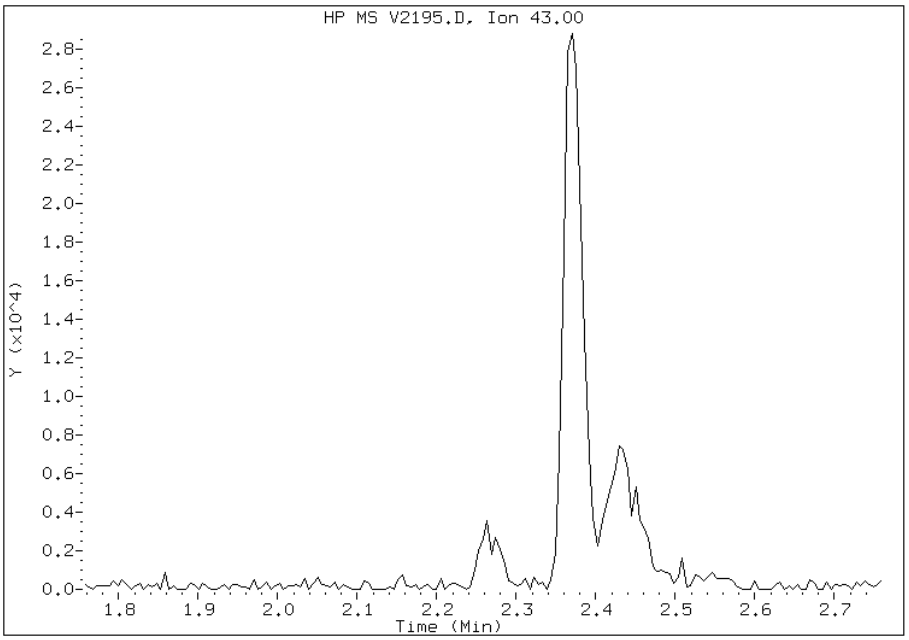
Manual Integration Report

Data File: V2195.D
Inj. Date and Time: 13-JUL-2011 16:20
Instrument ID: msv.i
Client ID: IC;2
Compound: 21 Acetone
CAS #: 67-64-1
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 2.26



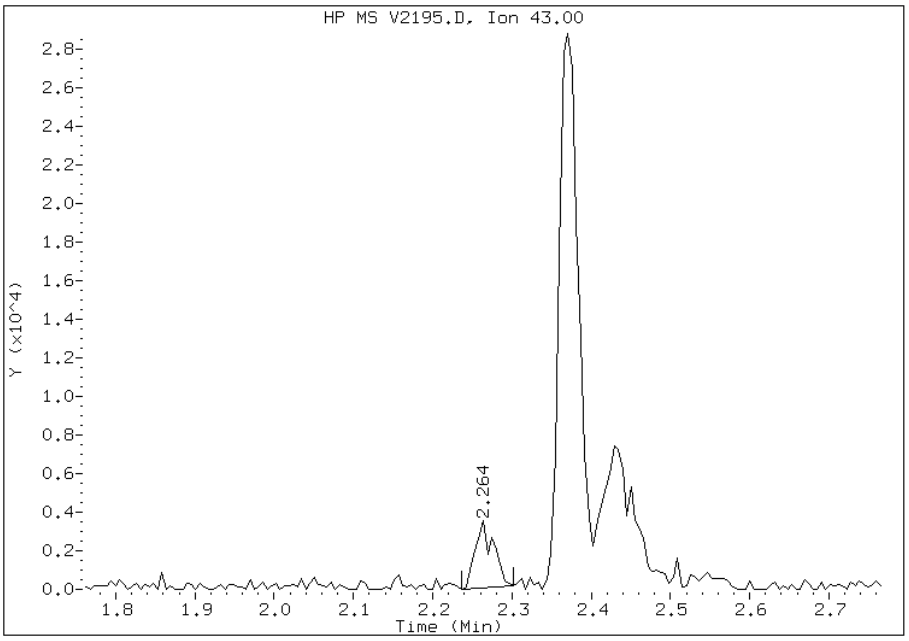
Manual Integration Results

RT: 2.26

Response: 5442

Amount: 3

Conc: 3



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

Manual Integration Report

Data File: V2195.D
Inj. Date and Time: 13-JUL-2011 16:20
Instrument ID: msv.i
Client ID: IC;2
Compound: 70 cis-1,3-Dichloropropene
CAS #: 10061-01-5
Report Date: 07/14/2011

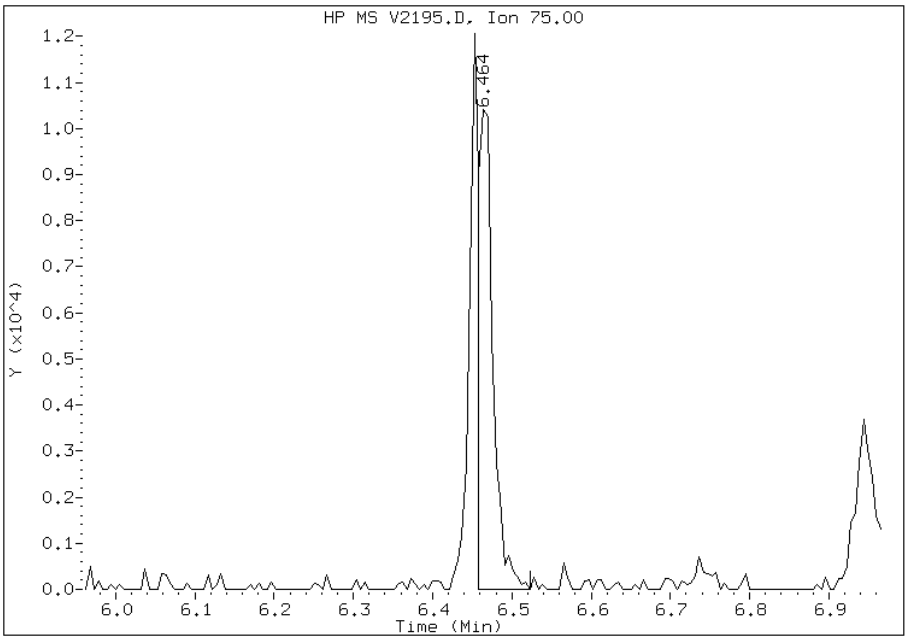
Processing Integration Results

RT: 6.46

Response: 13465

Amount: 1

Conc: 1



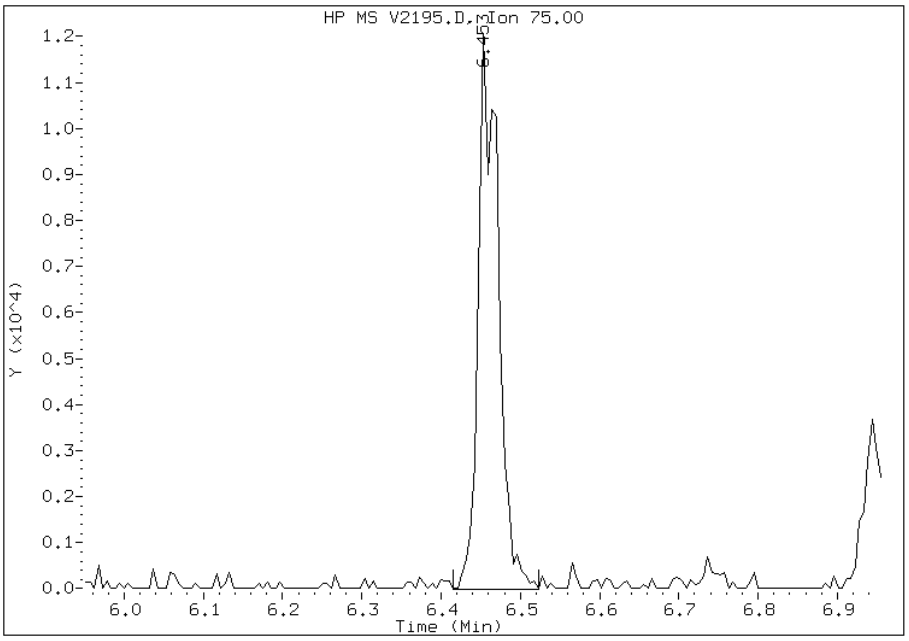
Manual Integration Results

RT: 6.45

Response: 21126

Amount: 2

Conc: 2



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

Manual Integration Report

Data File: V2195.D
Inj. Date and Time: 13-JUL-2011 16:20
Instrument ID: msv.i
Client ID: IC;2
Compound: 45 2-Butanone
CAS #: 78-93-3
Report Date: 07/14/2011

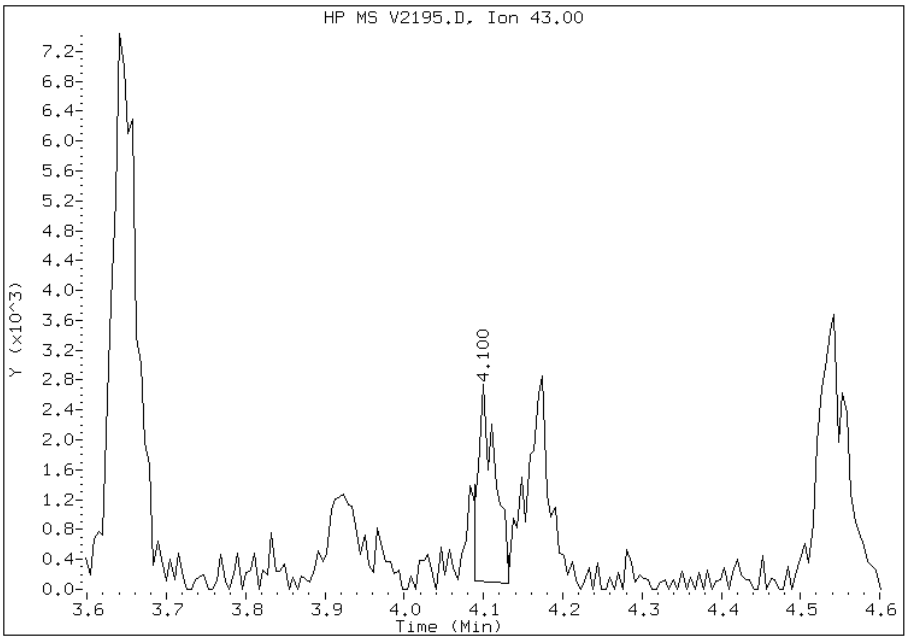
Processing Integration Results

RT: 4.10

Response: 3937

Amount: 2

Conc: 2



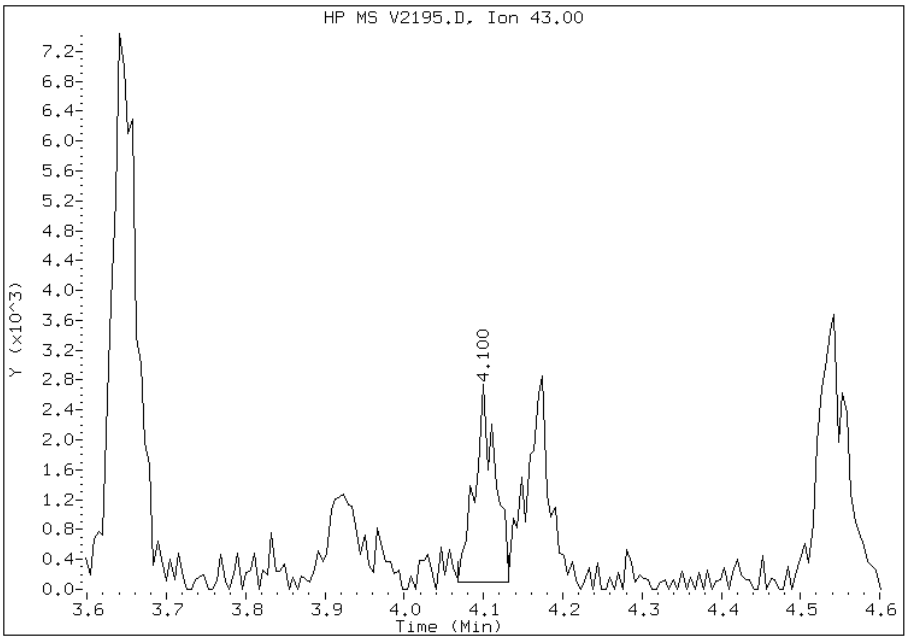
Manual Integration Results

RT: 4.10

Response: 4658

Amount: 2

Conc: 2



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

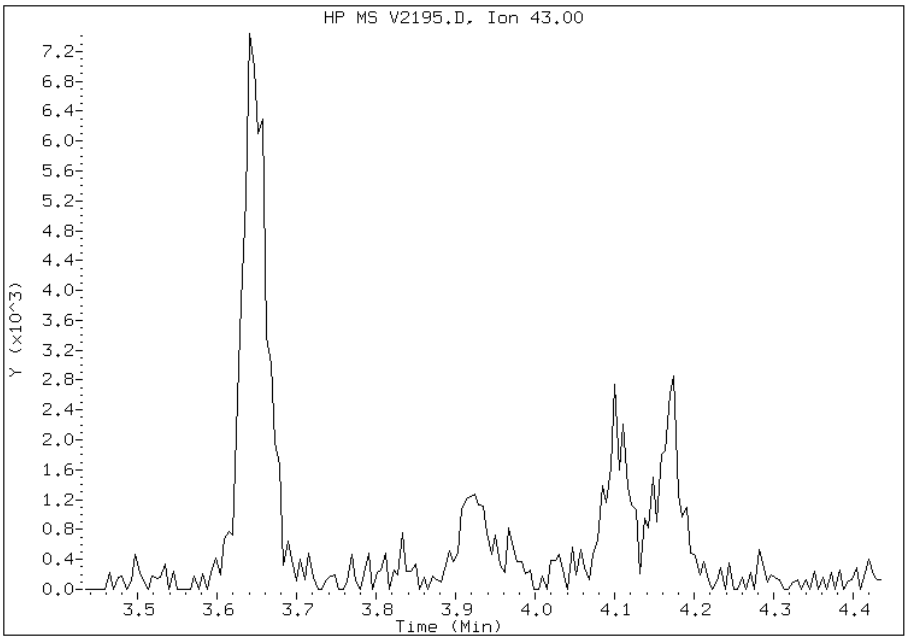
Manual Integration Report

Data File: V2195.D
Inj. Date and Time: 13-JUL-2011 16:20
Instrument ID: msv.i
Client ID: IC;2
Compound: 39 Ethyl Acetate
CAS #: 141-78-6
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 3.93



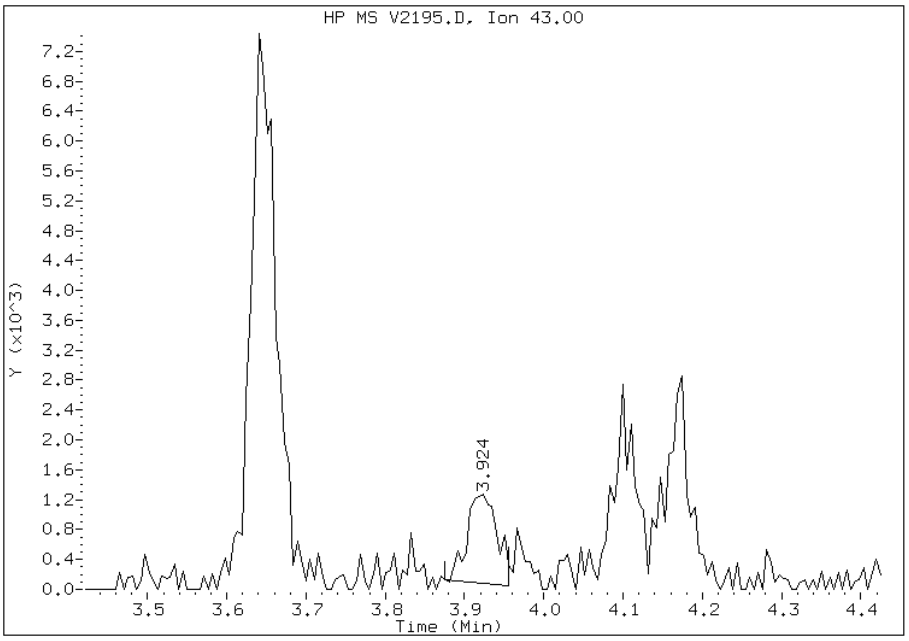
Manual Integration Results

RT: 3.92

Response: 3115

Amount: 8

Conc: 8



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

Manual Integration Report

Data File: V2195.D
Inj. Date and Time: 13-JUL-2011 16:20
Instrument ID: msv.i
Client ID: IC;2
Compound: 54 Isobutyl alcohol
CAS #: 78-83-1
Report Date: 07/14/2011

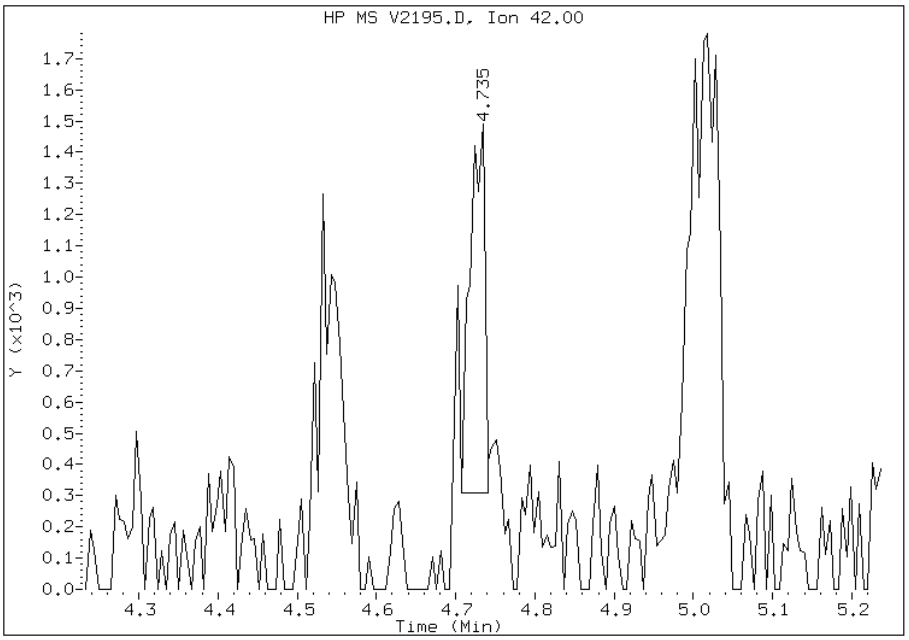
Processing Integration Results

RT: 4.73

Response: 1486

Amount: 11

Conc: 11



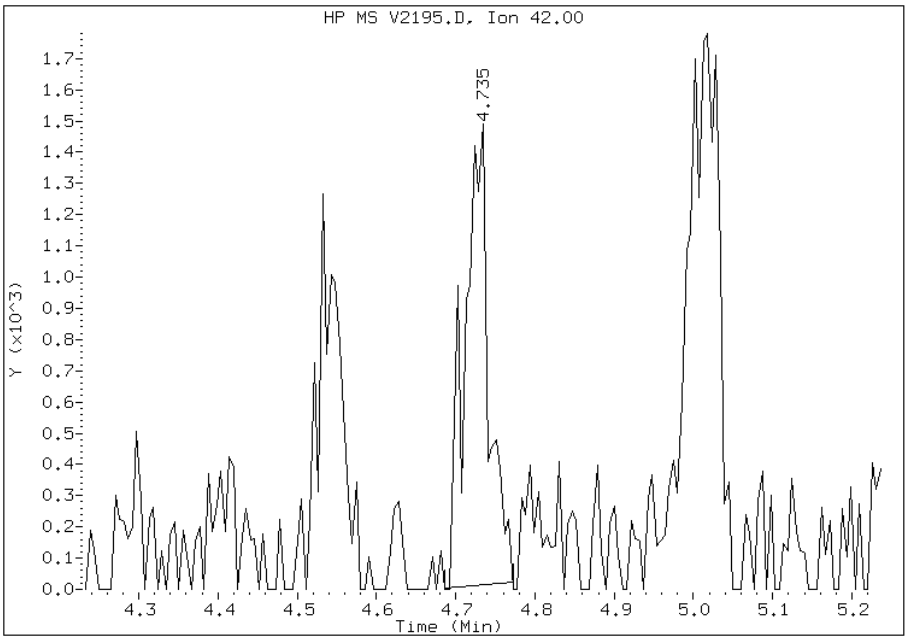
Manual Integration Results

RT: 4.73

Response: 3091

Amount: 21

Conc: 21



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

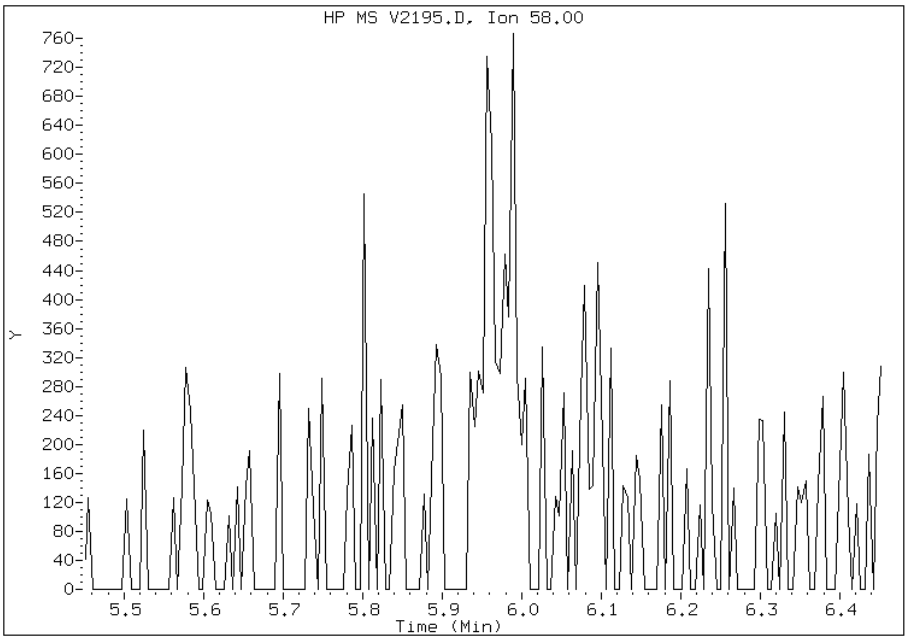
Manual Integration Report

Data File: V2195.D
Inj. Date and Time: 13-JUL-2011 16:20
Instrument ID: msv.i
Client ID: IC;2
Compound: 67 1,4-Dioxane
CAS #: 123-91-1
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 5.95



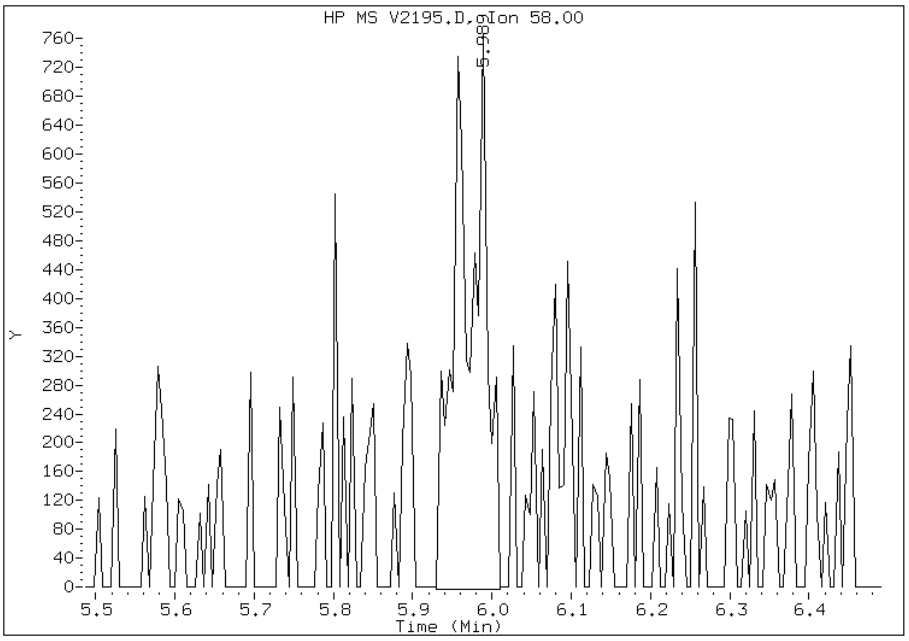
Manual Integration Results

RT: 5.99

Response: 1760

Amount: 15

Conc: 15



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

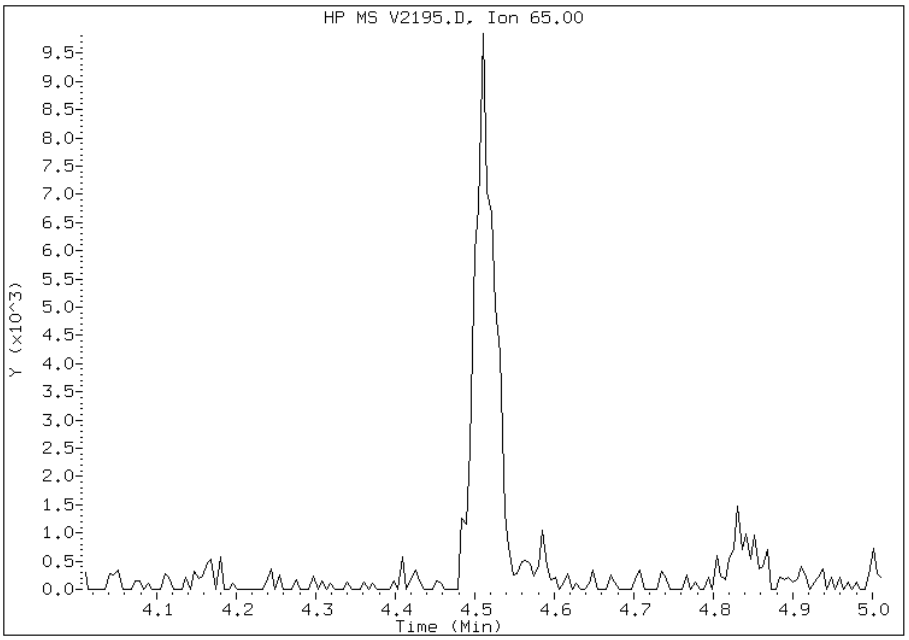
Manual Integration Report

Data File: V2195.D
Inj. Date and Time: 13-JUL-2011 16:20
Instrument ID: msv.i
Client ID: IC;2
Compound: 55 1,2-Dichloroethane-d4
CAS #: 17060-07-0
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 4.51



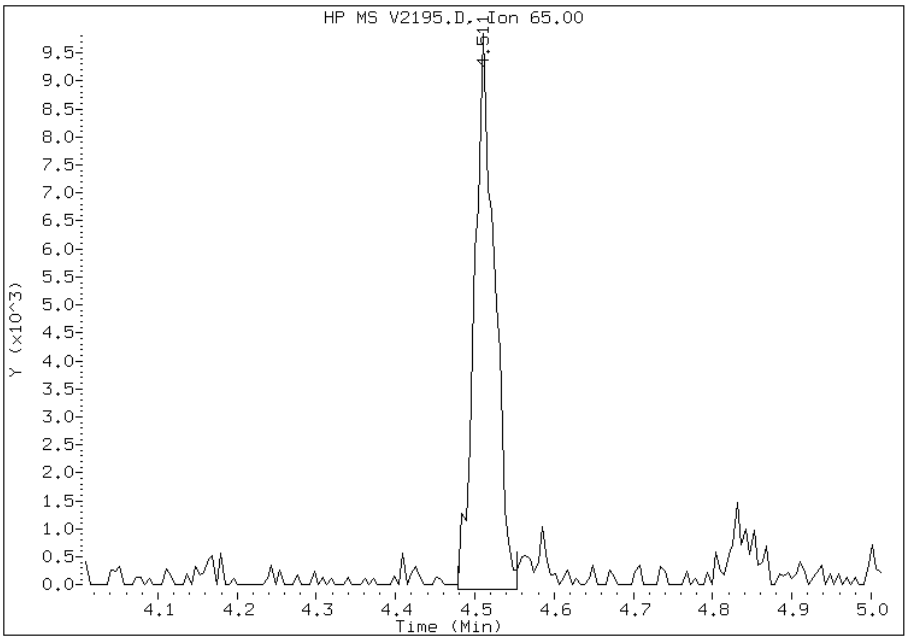
Manual Integration Results

RT: 4.51

Response: 17376

Amount: 2

Conc: 2



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

Manual Integration Report

Data File: V2195.D
Inj. Date and Time: 13-JUL-2011 16:20
Instrument ID: msv.i
Client ID: IC;2
Compound: 74 1,1,2-Trichloroethane
CAS #: 79-00-5
Report Date: 07/14/2011

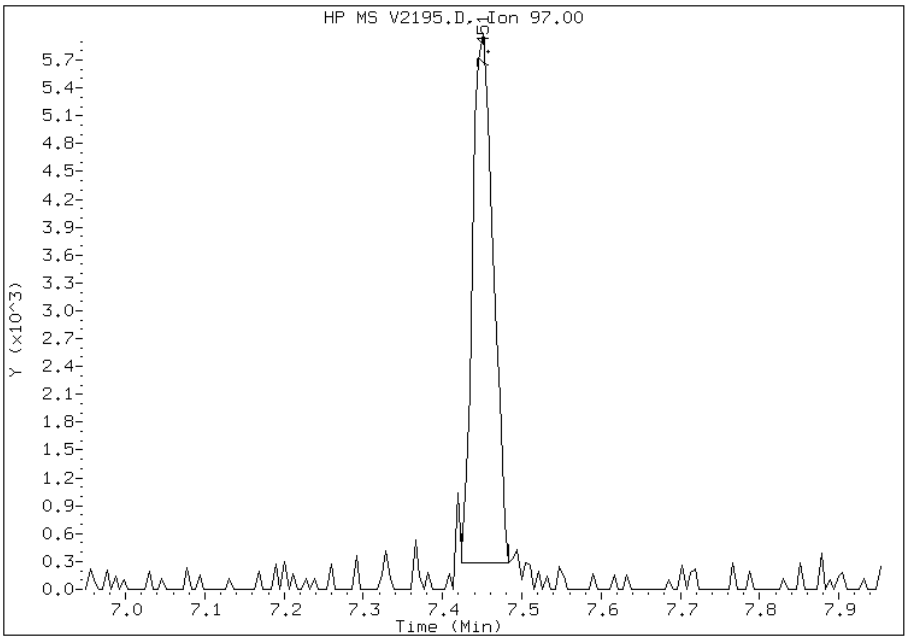
Processing Integration Results

RT: 7.45

Response: 10196

Amount: 2

Conc: 2



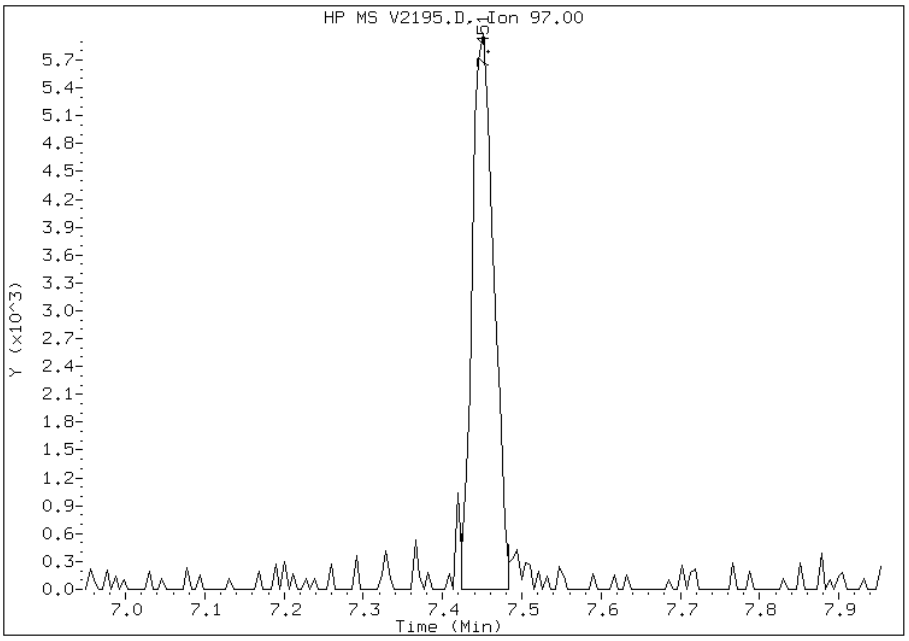
Manual Integration Results

RT: 7.45

Response: 11304

Amount: 2

Conc: 2



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

Manual Integration Report

Data File: V2195.D
Inj. Date and Time: 13-JUL-2011 16:20
Instrument ID: msv.i
Client ID: IC;2
Compound: 59 Methyl Cyclohexane
CAS #: 108-87-2
Report Date: 07/14/2011

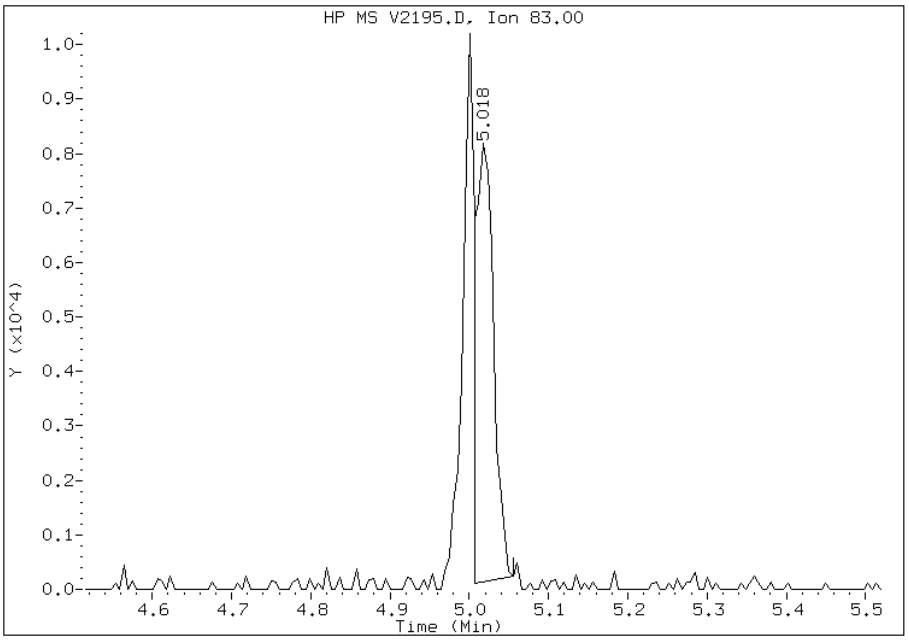
Processing Integration Results

RT: 5.02

Response: 12901

Amount: 1

Conc: 1



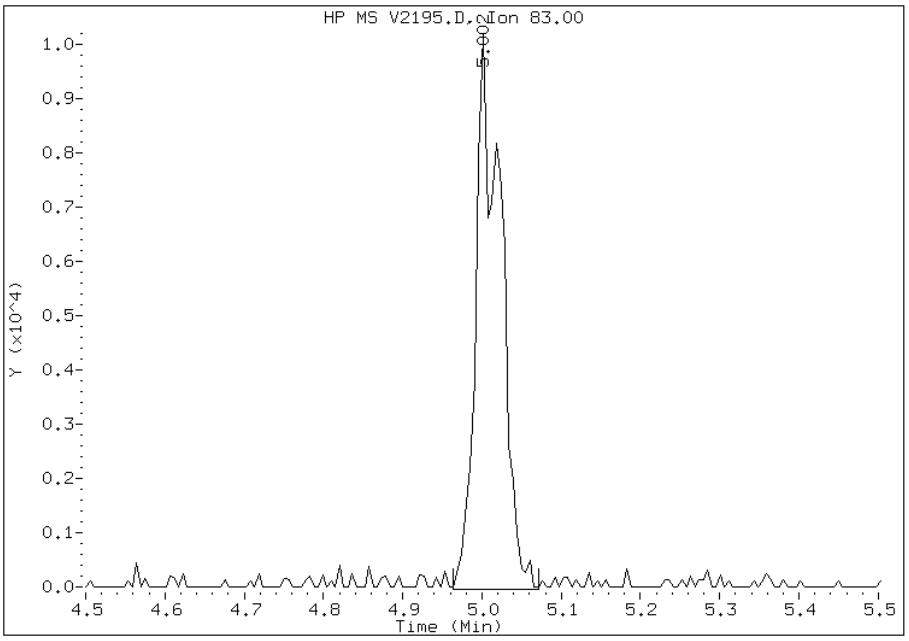
Manual Integration Results

RT: 5.00

Response: 22497

Amount: 2

Conc: 2



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

Manual Integration Report

Data File: V2195.D
Inj. Date and Time: 13-JUL-2011 16:20
Instrument ID: msv.i
Client ID: IC;2
Compound: 42 Tetrahydrofuran
CAS #: 109-99-9
Report Date: 07/14/2011

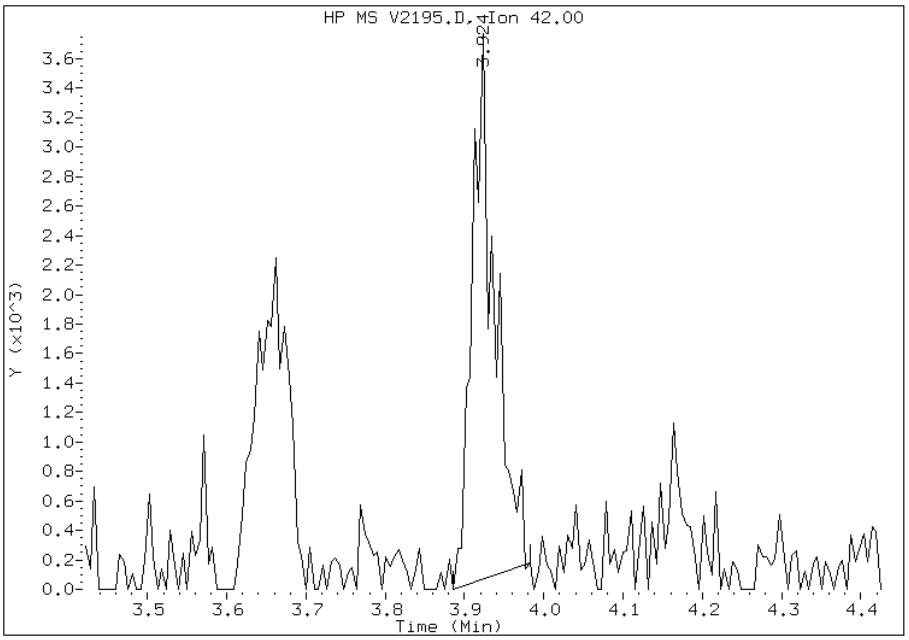
Processing Integration Results

RT: 3.92

Response: 7334

Amount: 4

Conc: 4



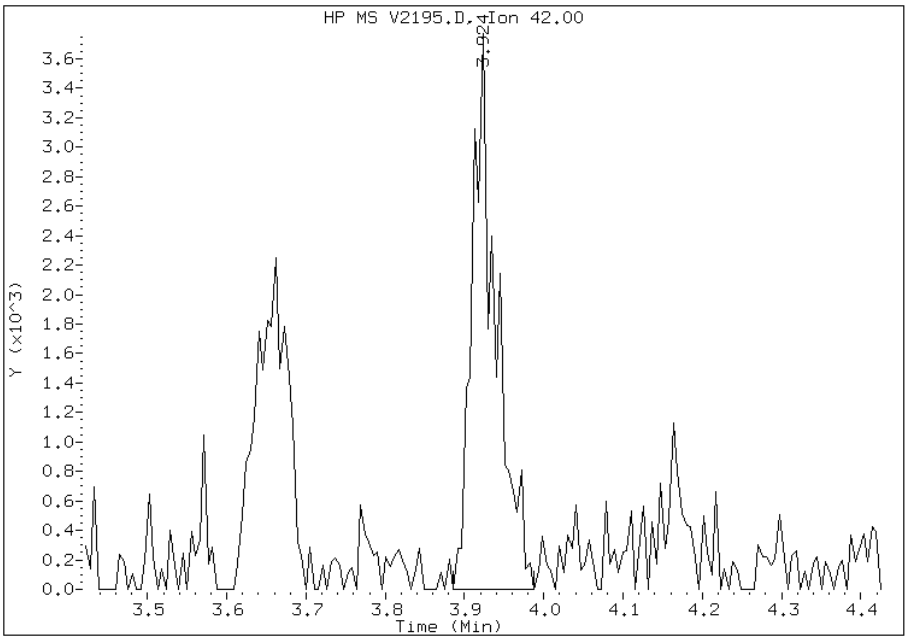
Manual Integration Results

RT: 3.92

Response: 7868

Amount: 4

Conc: 4



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

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msv.i\V112191.b\V2196.D
Lab Smp Id: IC;0.5 Client Smp ID: IC;0.5
Inj Date : 13-JUL-2011 16:47 MS Autotune Date: 04-APR-2011 13:44
Operator : B.KOSTRZEWSKA Inst ID: msv.i
Smp Info : IC;0.5
Misc Info :
Comment :
Method : \\consvr05\Files\Chem\VOA\msv.i\V112191.b\V8260LOW.m
Meth Date : 14-Jul-2011 09:45 msv.i Quant Type: ISTD
Cal Date : 13-JUL-2011 16:20 Cal File: V2195.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	4.841	4.841	(1.000)	575846	25.0000	
2	Dichlorodifluoromethane	85	0.977	0.977	(0.202)	1947	0.50000	0.4(M)
3	Chloromethane	50	1.089	1.089	(0.225)	2876	0.50000	0.6(M)
4	Vinyl Chloride	62	1.132	1.132	(0.234)	1906	0.50000	0.4
5	Bromomethane	94	1.319	1.319	(0.272)	1807	0.50000	0.6(M)
6	Chloroethane	64	1.399	1.399	(0.289)	1391	0.50000	0.6(M)
7	Trichlorofluoromethane	101	1.474	1.474	(0.304)	4526	0.50000	0.4
8	Dichlorofluoromethane	67	1.516	1.516	(0.313)	4563	0.50000	0.6(T)
9	Ethyl Ether	45	1.676	1.676	(0.346)	1784	0.50000	0.6
10	Ethanol	45	1.724	1.724	(0.356)	615	5.00000	11(M)
12	Freon 123	67	1.847	1.847	(0.382)	680	0.50000	0.6(M)
13	Trichlorotrifluoroethane	101	1.826	1.826	(0.377)	3087	0.50000	0.6(M)
14	1,1-Dichloroethene	96	1.799	1.799	(0.372)	1436	0.50000	0.3
15	Carbon Disulfide	76	1.826	1.826	(0.377)	8743	0.50000	0.5(M)
16	Iodomethane	142	1.901	1.901	(0.393)	2251	0.50000	2
17	Acrolein	56	2.034	2.034	(0.420)	2170	2.50000	3
18	2-Propanol	45	2.178	2.178	(0.450)	634	0.50000	0.9(M)
19	3-Chloro-1-Propene	41	2.135	2.135	(0.441)	3771	0.50000	0.5(M)
20	Methylene Chloride	84	2.221	2.221	(0.459)	15503	0.50000	2
21	Acetone	43	2.258	2.258	(0.466)	1340	0.50000	0.8(M)
22	trans-1,2-Dichloroethene	96	2.354	2.354	(0.486)	2716	0.50000	0.5(M)
23	Methyl Acetate	43	2.370	2.370	(0.490)	10551	0.50000	0.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	24 Methyl tert-Butyl Ether	73	2.461	2.461	(0.508)	7387	0.50000	0.4(M)
	25 tert-Butyl alcohol	59	2.541	2.541	(0.525)	2094	2.50000	3(M)
	26 Acetonitrile	41	2.664	2.664	(0.550)	2769	5.00000	5(M)
	27 Isopropyl ether	45	2.813	2.813	(0.581)	7974	0.50000	0.5(M)
	28 tert-Butyl ethyl ether	59	3.181	3.181	(0.657)	6304	0.50000	0.4
	29 2-Chloro-1,3-Butadiene	88	2.883	2.883	(0.595)	2047	0.50000	0.4(M)
	30 Acrylonitrile	53	2.941	2.941	(0.608)	2125	1.00000	1(M)
	31 1,1-Dichloroethane	63	2.899	2.899	(0.599)	5757	0.50000	0.6(M)
	32 Vinyl Acetate	43	3.187	3.187	(0.658)	4991	0.50000	0.4(M)
	33 cis-1,2-Dichloroethene	96	3.459	3.459	(0.715)	3335	0.50000	0.5(M)
	34 2,2-Dichloropropane	77	3.560	3.560	(0.735)	3976	0.50000	0.5(M)
	35 Bromochloromethane	128	3.662	3.662	(0.756)	1539	0.50000	0.5
	37 Cyclohexane	84	3.667	3.667	(0.757)	3793	0.50000	0.5(M)
	38 Chloroform	83	3.768	3.768	(0.778)	8206	0.50000	0.7
	39 Ethyl Acetate	43	3.934	3.934	(0.813)	941	1.00000	4(M)
	40 Methyl Acrylate	55	3.918	3.918	(0.809)	3107	0.50000	0.6(M)
$	41 Dibromofluoromethane	111	3.950	3.950	(0.816)	3195	0.50000	0.5(M)
	42 Tetrahydrofuran	42	3.929	3.929	(0.812)	2042	1.00000	1(M)
	43 Carbon Tetrachloride	117	3.886	3.886	(0.803)	4859	0.50000	0.5(M)
	44 1,1,1-Trichloroethane	97	3.950	3.950	(0.816)	4130	0.50000	0.4(M)
	45 2-Butanone	43	4.115	4.115	(0.850)	773	0.50000	0.3(M)
	46 1,1-Dichloropropene	75	4.094	4.094	(0.846)	3767	0.50000	0.5(M)
	47 tert-Amyl methyl ether	73	4.542	4.542	(0.938)	6486	0.50000	0.4(M)
	49 1-Chlorobutane	56	4.169	4.169	(0.861)	3676	0.50000	0.4(M)
	50 Heptane	43	4.548	4.548	(0.939)	2098	0.50000	0.5(M)
	51 Propionitrile	54	4.398	4.398	(0.909)	3733	5.00000	4
	52 Benzene	78	4.356	4.356	(0.900)	11198	0.50000	0.5
	53 2-Methyl-2-Propenenitrile	41	4.420	4.420	(0.913)	1904	0.50000	0.6(M)
	54 Isobutyl alcohol	42	4.654	4.654	(0.961)	526	5.00000	4(M)
$	55 1,2-Dichloroethane-d4	65	4.510	4.510	(0.932)	4110	0.50000	0.5(M)
	56 1,2-Dichloroethane	62	4.596	4.596	(0.949)	4143	0.50000	0.5(M)
	59 Methyl Cyclohexane	83	5.017	5.017	(1.036)	3685	0.50000	0.4(M)
	60 Trichloroethene	130	5.028	5.028	(1.039)	3569	0.50000	0.6(M)
	63 Dibromomethane	93	5.487	5.487	(1.133)	2170	0.50000	0.5
	64 1,2-Dichloropropane	63	5.610	5.610	(1.159)	2643	0.50000	0.4(M)
	65 Bromodichloromethane	83	5.716	5.716	(1.181)	4920	0.50000	0.6(M)
	66 Methyl Methacrylate	69	5.967	5.967	(1.233)	2946	0.50000	2(M)
	67 1,4-Dioxane	58	5.951	5.951	(1.229)	789	5.00000	0.3(M)
	69 2-Chloroethylvinylether	63	6.426	6.426	(1.327)	1753	0.50000	0.5(M)
	70 cis-1,3-Dichloropropene	75	6.458	6.458	(1.334)	3992	0.50000	0.4(M)
	71 Chloroacetonitrile	48	6.949	6.949	(1.435)	1064	5.00000	5(M)
	72 2-Nitropropane	41	7.003	7.003	(1.446)	1723	1.00000	1(M)
	73 trans-1,3-Dichloropropene	75	7.269	7.269	(1.502)	4703	0.50000	0.5
	74 1,1,2-Trichloroethane	97	7.451	7.451	(1.539)	2648	0.50000	0.5
*	75 Chlorobenzene-d5	117	8.577	8.577	(1.000)	428207	25.0000	
	76 Toluene	91	6.736	6.736	(0.785)	11100	0.50000	0.4
$	77 Toluene-d8	98	6.677	6.677	(0.778)	9596	0.50000	0.4
	78 1,1-Dichloro-2-propanone	43	7.019	7.019	(0.818)	6961	2.50000	2(T)
	79 4-Methyl-2-Pentanone	43	7.243	7.243	(0.844)	3201	0.50000	0.6(M)
	80 Tetrachloroethene	164	7.195	7.195	(0.839)	1887	0.50000	0.3(M)
	81 Ethyl Methacrylate	69	7.558	7.558	(0.881)	2746	0.50000	0.4(M)
	82 Dibromochloromethane	129	7.654	7.654	(0.892)	4687	0.50000	0.6(T)
	83 1,3-Dichloropropane	76	7.766	7.766	(0.905)	4323	0.50000	0.5(M)
	84 1,2-Dibromoethane	107	7.889	7.889	(0.920)	3067	0.50000	0.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
86	2-Hexanone	43	8.294	8.294	(0.967)	1424	0.50000	0.4(M)
87	1-Chlorohexane	91	8.646	8.646	(1.008)	1606	0.50000	4(M)
88	Chlorobenzene	112	8.598	8.598	(1.002)	7989	0.50000	0.5
89	1,1,1,2-Tetrachloroethane	131	8.700	8.700	(1.014)	2909	0.50000	0.4(T)
90	Ethylbenzene	106	8.668	8.668	(1.011)	4260	0.50000	0.5(M)
91	Xylene (total)mp	106	8.881	8.881	(1.035)	8059	1.00000	0.7
92	Xylene (total)o	106	9.394	9.394	(1.095)	4075	0.50000	0.4
93	Styrene	104	9.468	9.468	(1.104)	6652	0.50000	0.4
94	Bromoform	173	9.442	9.442	(1.101)	3129	0.50000	0.5
* 95	1,4-Dichlorobenzene-d4	152	11.027	11.027	(1.000)	229726	25.0000	
96	Isopropylbenzene	105	9.762	9.762	(0.885)	9184	0.50000	0.4
97	Bromobenzene	156	10.093	10.093	(0.915)	3612	0.50000	0.5
98	1,1,2,2-Tetrachloroethane	83	10.263	10.263	(0.931)	3542	0.50000	0.5
99	4-Ethyltoluene	105	10.290	10.290	(0.933)	10369	0.50000	0.4
100	1,2,3-Trichloropropane	110	10.349	10.349	(0.939)	1221	0.50000	0.6
101	trans-1,4-Dichloro-2-Butene	53	10.418	10.418	(0.945)	2104	1.00000	1
102	n-Propylbenzene	91	10.183	10.183	(0.924)	13697	0.50000	0.5
103	2-Chlorotoluene	91	10.296	10.296	(0.934)	10495	0.50000	0.5
104	4-Chlorotoluene	91	10.456	10.456	(0.948)	8808	0.50000	0.4
105	1,3,5-Trimethylbenzene	105	10.381	10.381	(0.941)	7474	0.50000	0.4
106	tert-Butylbenzene	119	10.658	10.658	(0.967)	6960	0.50000	0.4
107	1,2,4-Trimethylbenzene	105	10.722	10.722	(0.972)	9898	0.50000	0.5
108	sec-Butylbenzene	105	10.813	10.813	(0.981)	9206	0.50000	0.4
109	4-Isopropyltoluene	119	10.947	10.947	(0.993)	7574	0.50000	0.3
110	1,3-Dichlorobenzene	146	10.963	10.963	(0.994)	7782	0.50000	0.6
111	1,4-Dichlorobenzene	146	11.043	11.043	(1.001)	8886	0.50000	0.6
112	1,2-Dichlorobenzene	146	11.379	11.379	(1.032)	6380	0.50000	0.5
113	Benzyl Chloride	126	11.251	11.251	(1.020)	1149	0.50000	0.4
114	1,4-Diethylbenzene	119	11.245	11.245	(1.020)	5382	0.50000	0.5
115	n-Butylbenzene	91	11.288	11.288	(1.024)	11892	0.50000	0.6
118	1,2,4,5-Tetramethylbenzene	119	11.870	11.870	(1.076)	9966	0.50000	0.5
119	1,2-Dibromo-3-chloropropane	75	11.987	11.987	(1.087)	700	0.50000	0.4(M)
120	Nitrobenzene	77	12.404	12.404	(1.125)	5695	5.00000	-2
121	1,2,4-Trichlorobenzene	180	12.494	12.494	(1.133)	7466	0.50000	0.7
122	Hexachlorobutadiene	225	12.489	12.489	(1.133)	4862	0.50000	0.9
123	Naphthalene	128	12.718	12.718	(1.153)	16058	0.50000	0.6
124	1,2,3-Trichlorobenzene	180	12.847	12.847	(1.165)	6765	0.50000	0.6
$ 125	Bromofluorobenzene	95	10.013	10.013	(0.908)	3547	0.50000	0.5
M 126	1,2-Dichloroethene (total)	100				6051	1.00000	1
M 127	Xylene (total)	100				12134	1.50000	1

QC Flag Legend

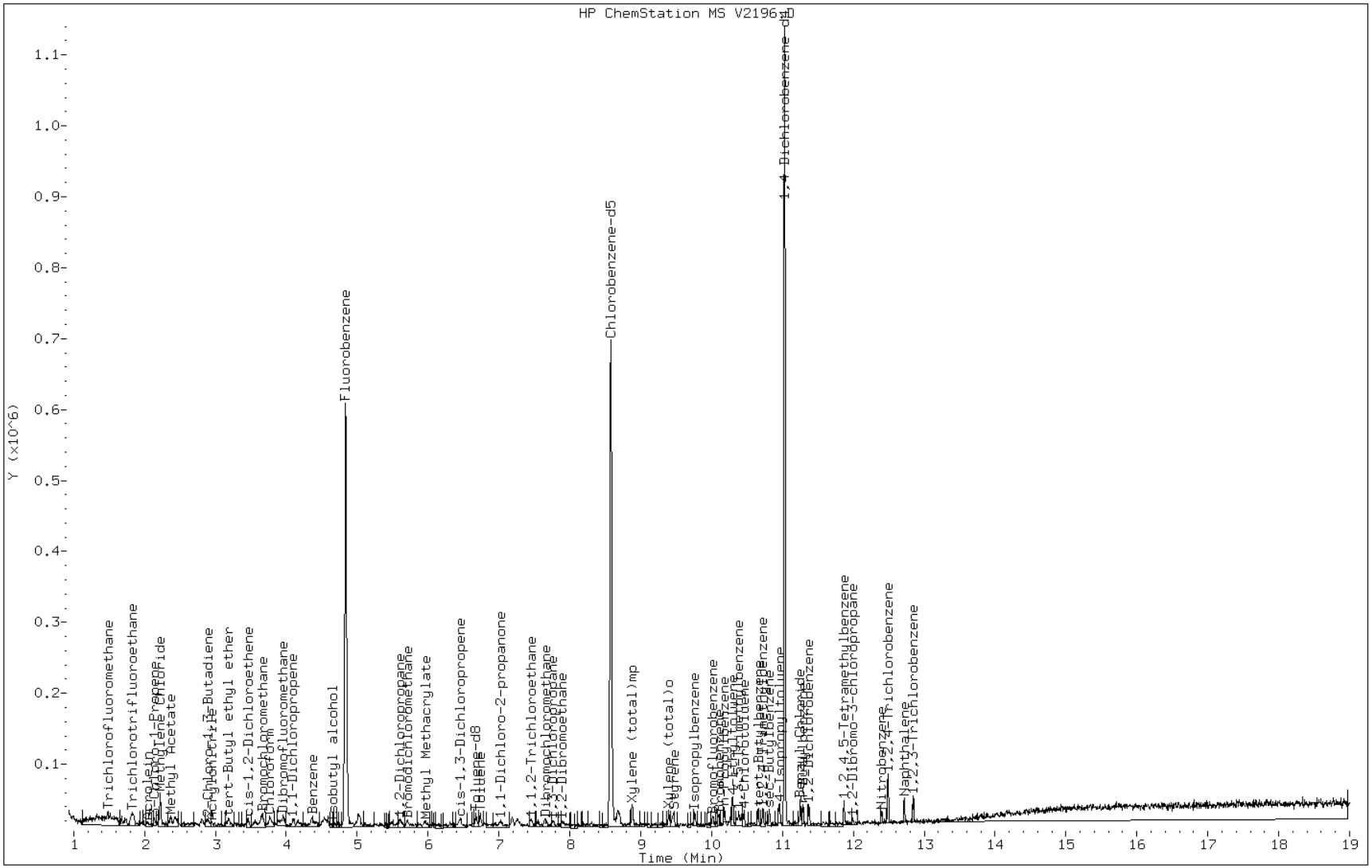
T - Target compound detected outside RT window.
M - Compound response manually integrated.

Data File: V2196.D

Date: 13-JUL-2011 16:47

Client ID: IC;0.5 Instrument: msv.i

Sample Info: IC;0.5 Operator: B.KOSTRZEWSKA



Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 6 Chloroethane
CAS #: 75-00-3
Report Date: 07/14/2011

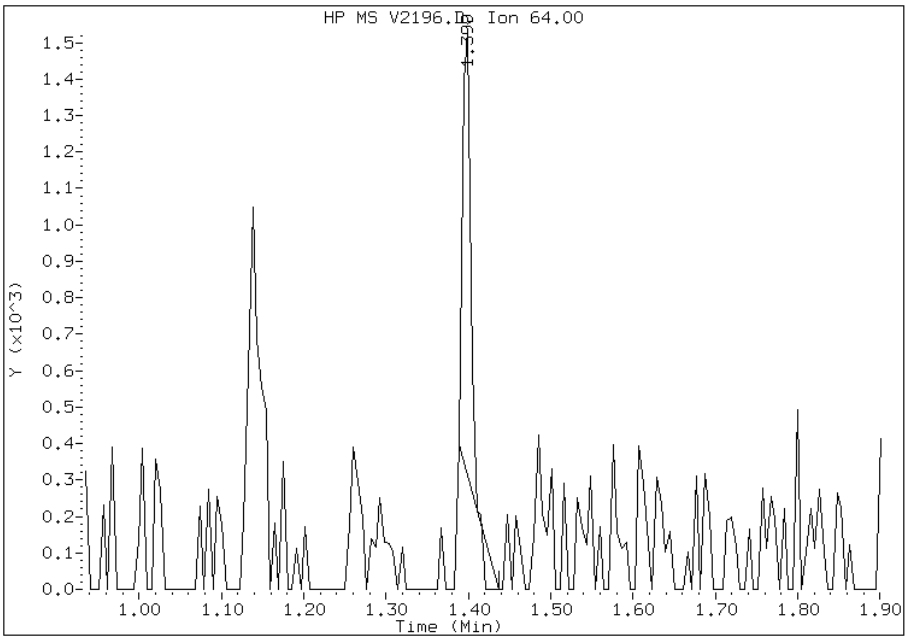
Processing Integration Results

RT: 1.40

Response: 757

Amount: 0

Conc: 0



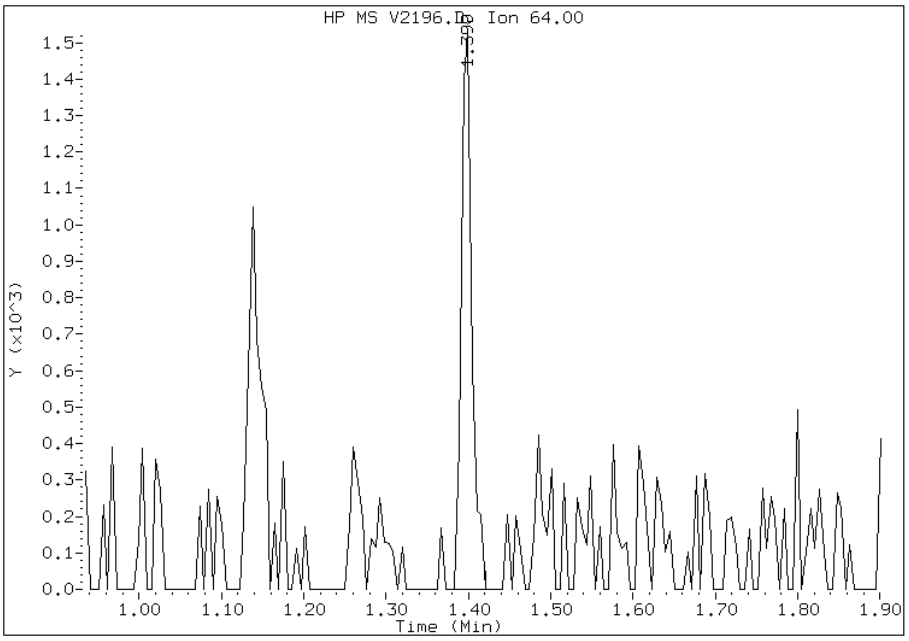
Manual Integration Results

RT: 1.40

Response: 1391

Amount: 1

Conc: 1



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

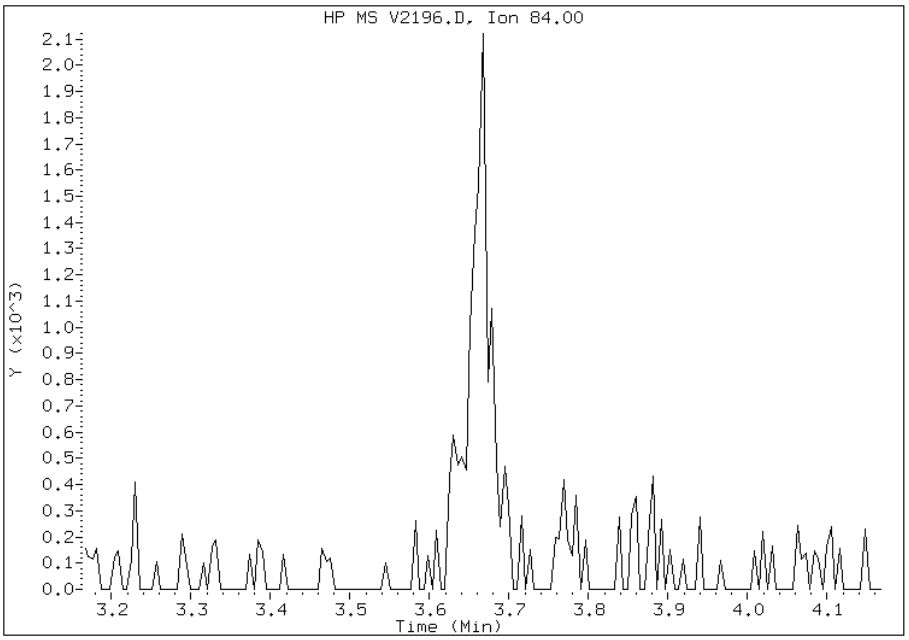
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 37 Cyclohexane
CAS #: 110-82-7
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 3.67



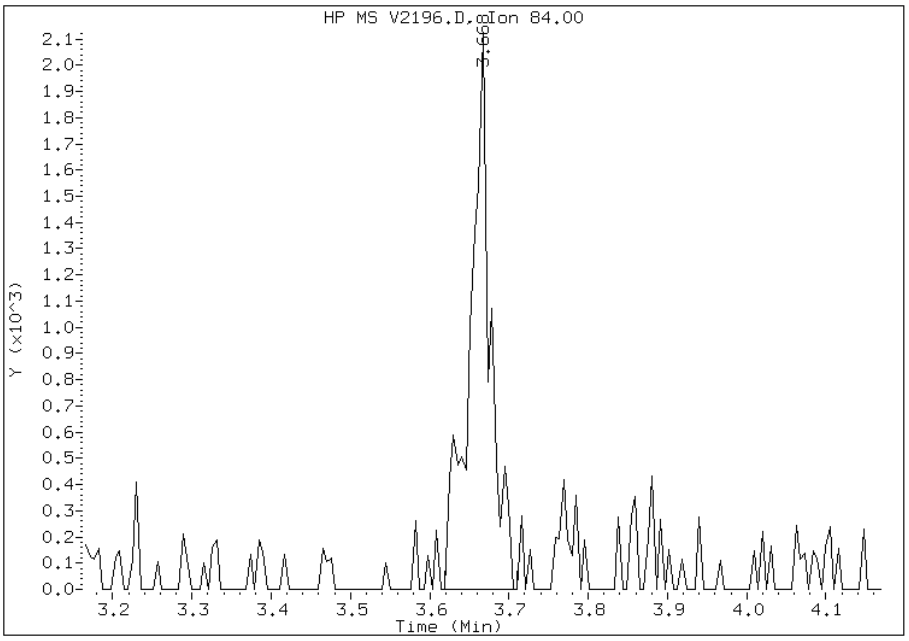
Manual Integration Results

RT: 3.67

Response: 3793

Amount: 1

Conc: 1



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

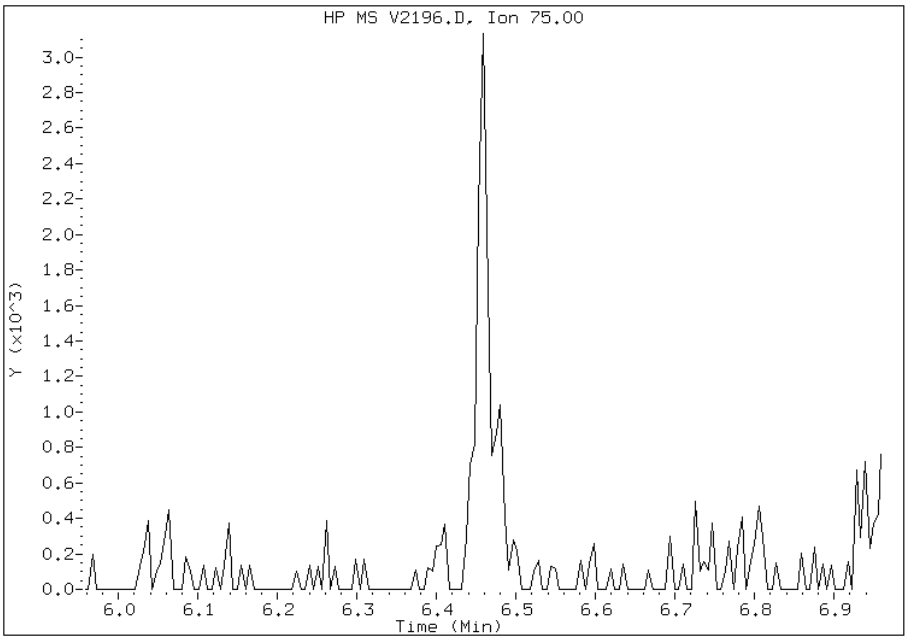
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 70 cis-1,3-Dichloropropene
CAS #: 10061-01-5
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 6.46



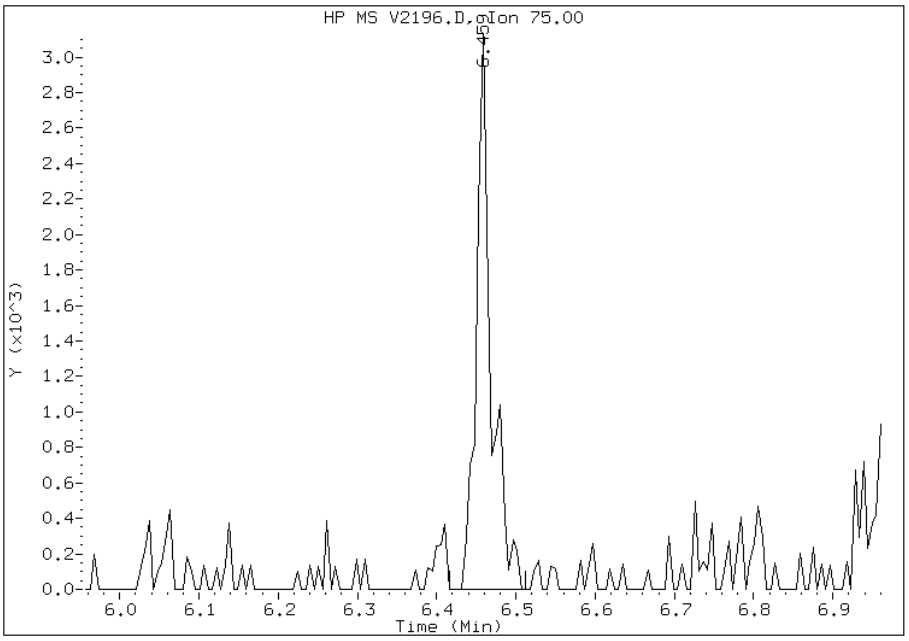
Manual Integration Results

RT: 6.46

Response: 3992

Amount: 0

Conc: 0



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

Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 90 Ethylbenzene
CAS #: 100-41-4
Report Date: 07/14/2011

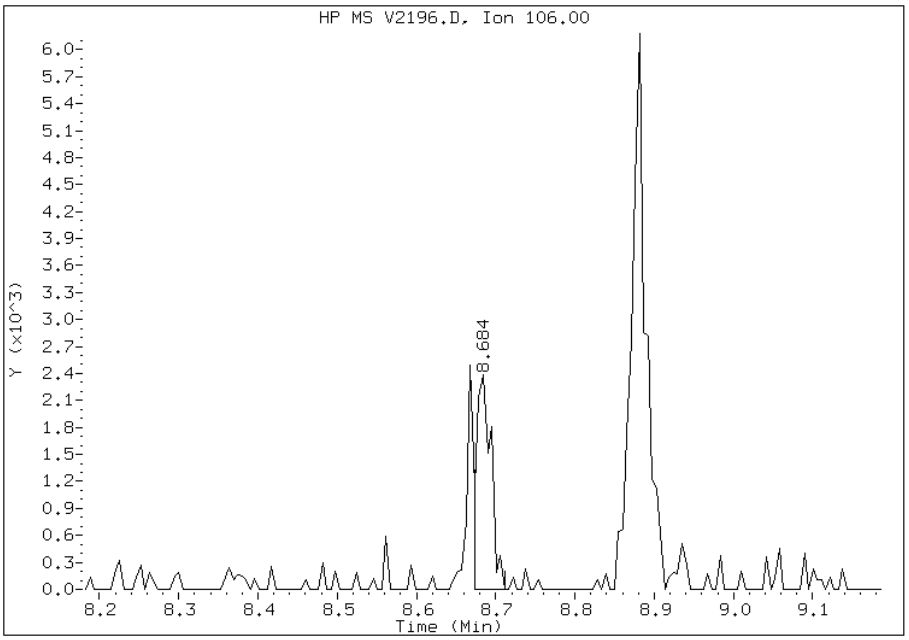
Processing Integration Results

RT: 8.68

Response: 3048

Amount: 0

Conc: 0



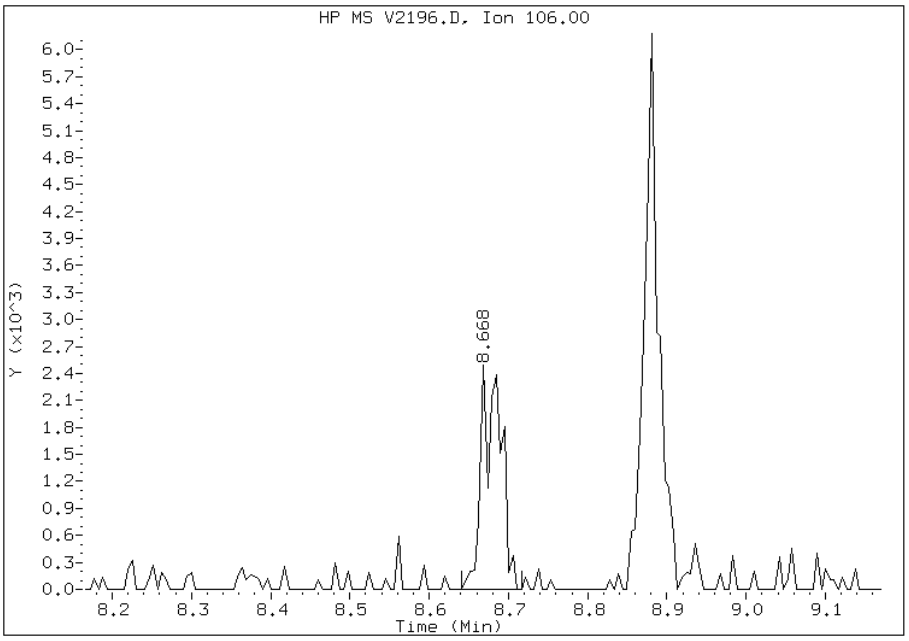
Manual Integration Results

RT: 8.67

Response: 4260

Amount: 0

Conc: 0



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

Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 81 Ethyl Methacrylate
CAS #: 97-63-2
Report Date: 07/14/2011

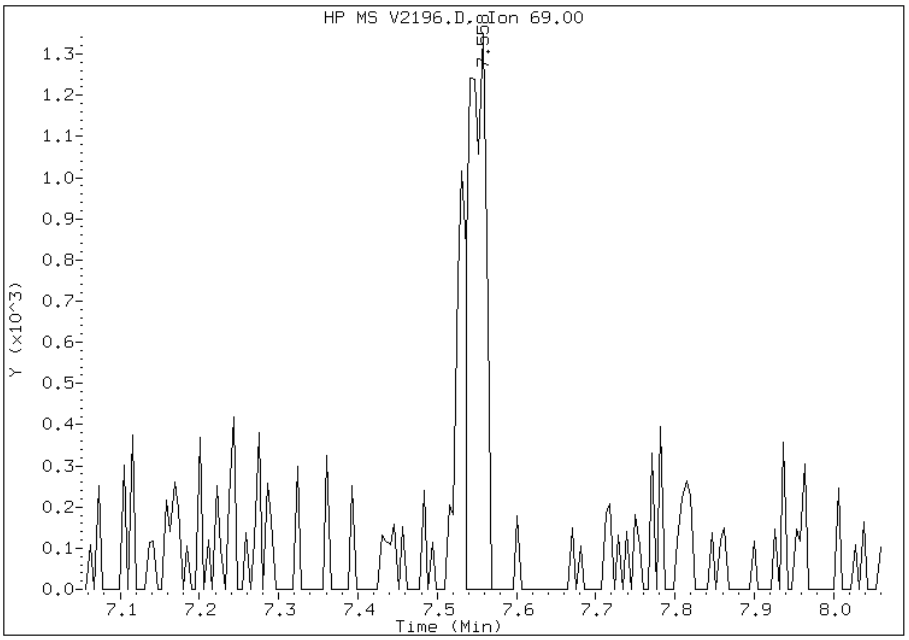
Processing Integration Results

RT: 7.56

Response: 2044

Amount: 0

Conc: 0



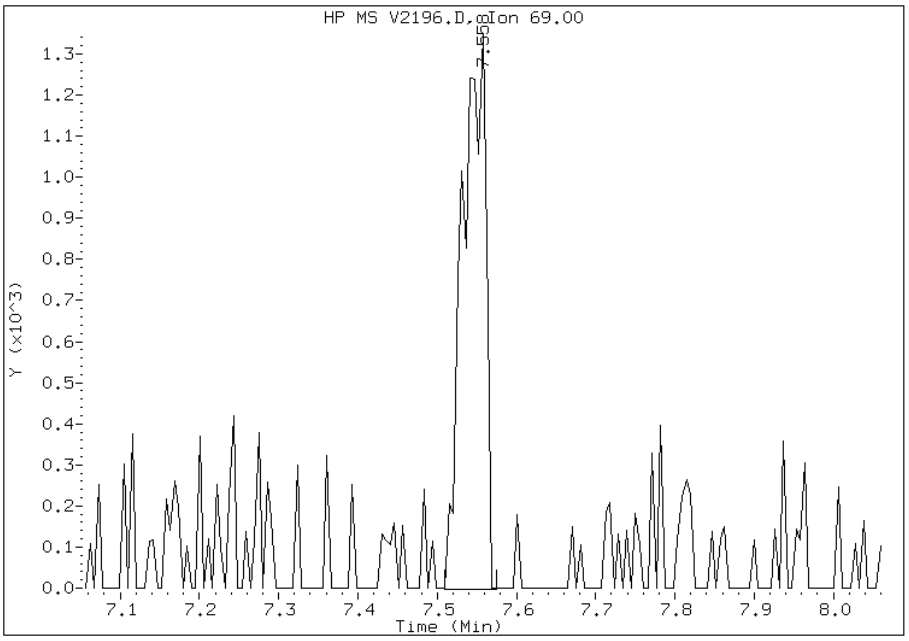
Manual Integration Results

RT: 7.56

Response: 2746

Amount: 0

Conc: 0



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

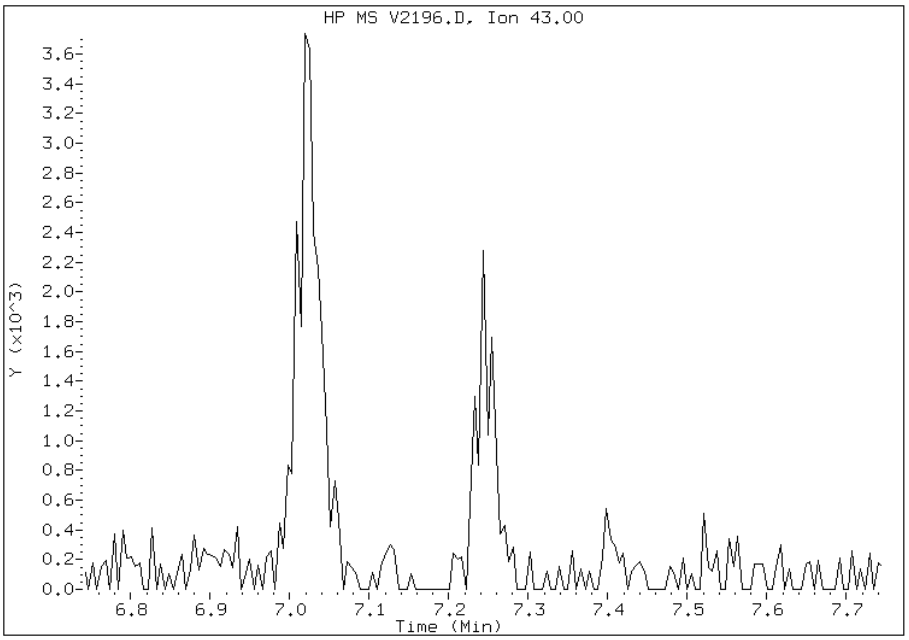
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 79 4-Methyl-2-Pentanone
CAS #: 108-10-1
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 7.24



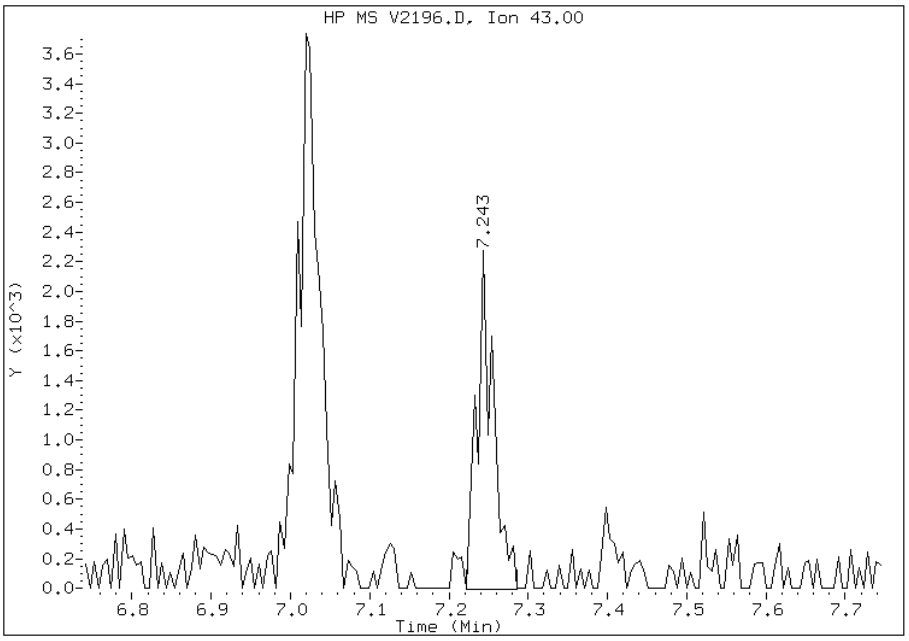
Manual Integration Results

RT: 7.24

Response: 3201

Amount: 1

Conc: 1



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

Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 13 Trichlorotrifluoroethane
CAS #: 76-13-1
Report Date: 07/14/2011

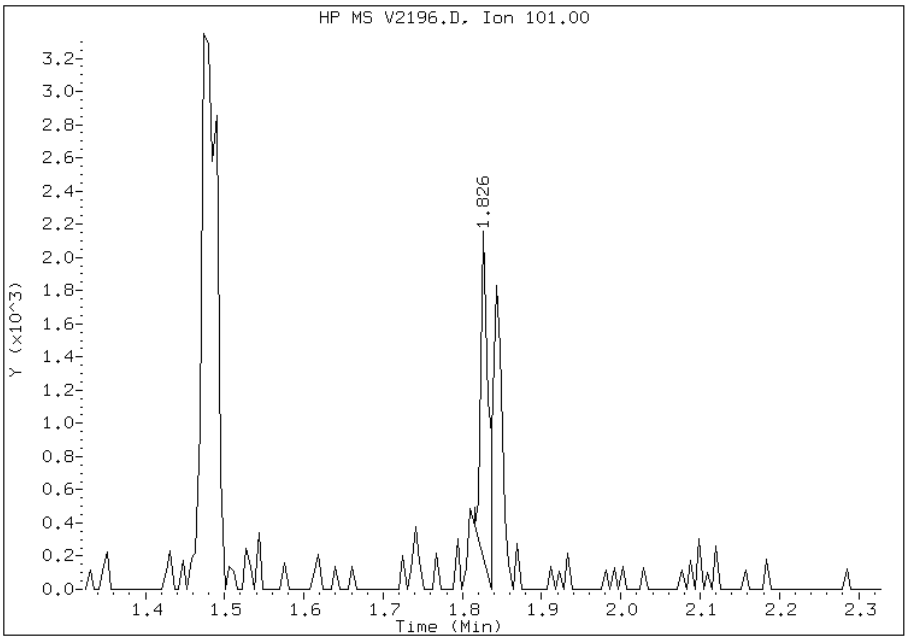
Processing Integration Results

RT: 1.83

Response: 1341

Amount: 0

Conc: 0



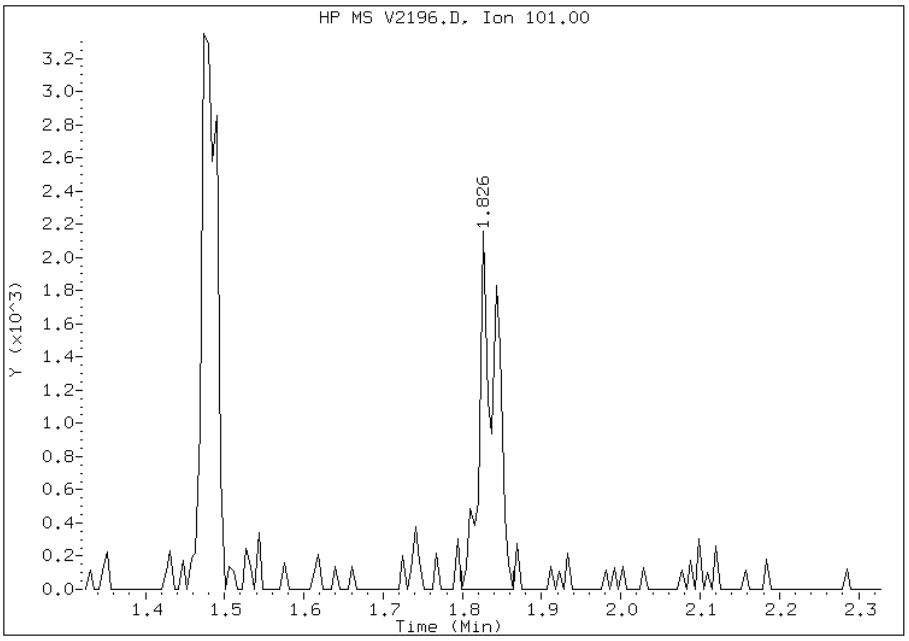
Manual Integration Results

RT: 1.83

Response: 3087

Amount: 1

Conc: 1



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

Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 49 1-Chlorobutane
CAS #: 109-69-3
Report Date: 07/14/2011

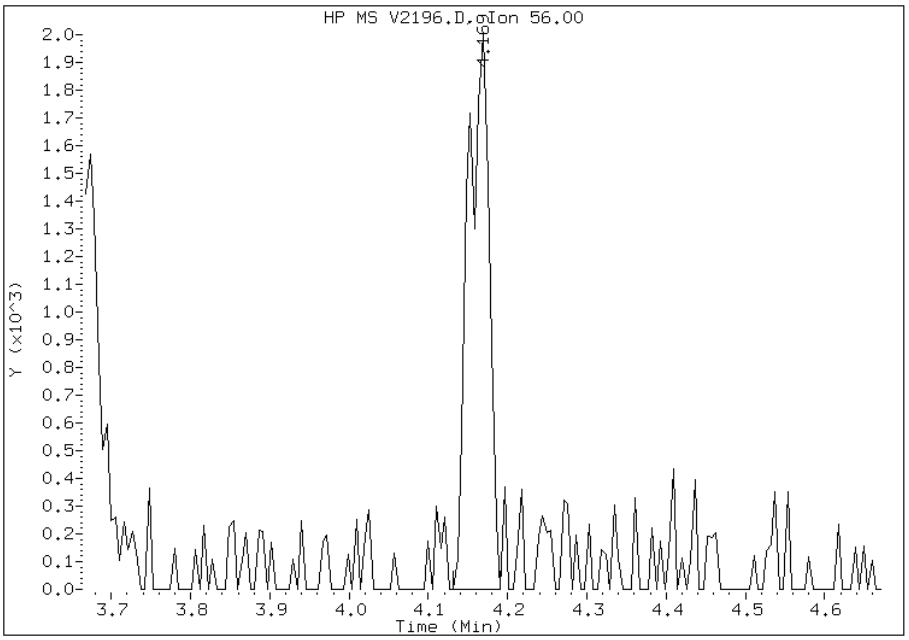
Processing Integration Results

RT: 4.17

Response: 3676

Amount: 0

Conc: 0



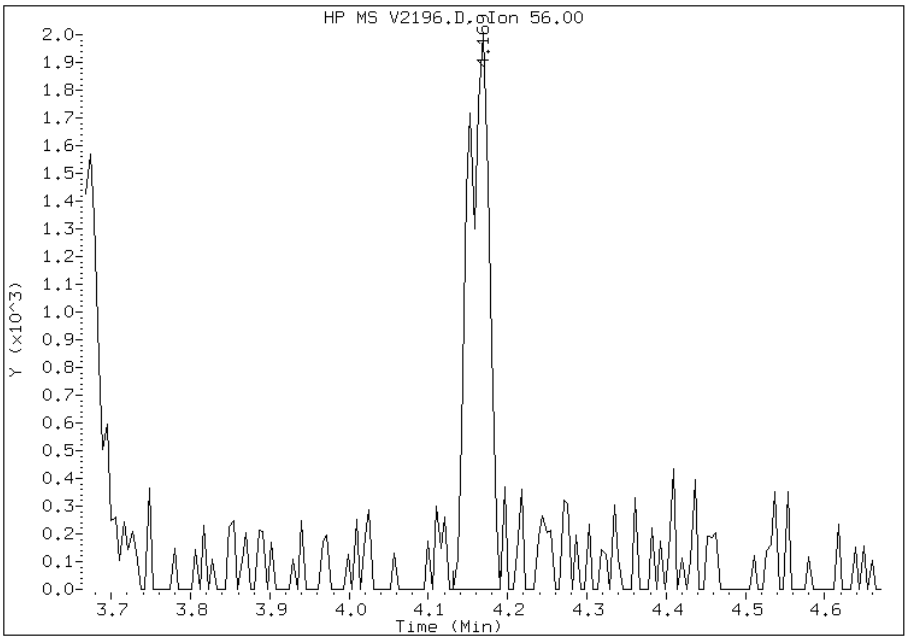
Manual Integration Results

RT: 4.17

Response: 3676

Amount: 0

Conc: 0



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

Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 53 2-Methyl-2-Propenenitrile
CAS #: 126-98-7
Report Date: 07/14/2011

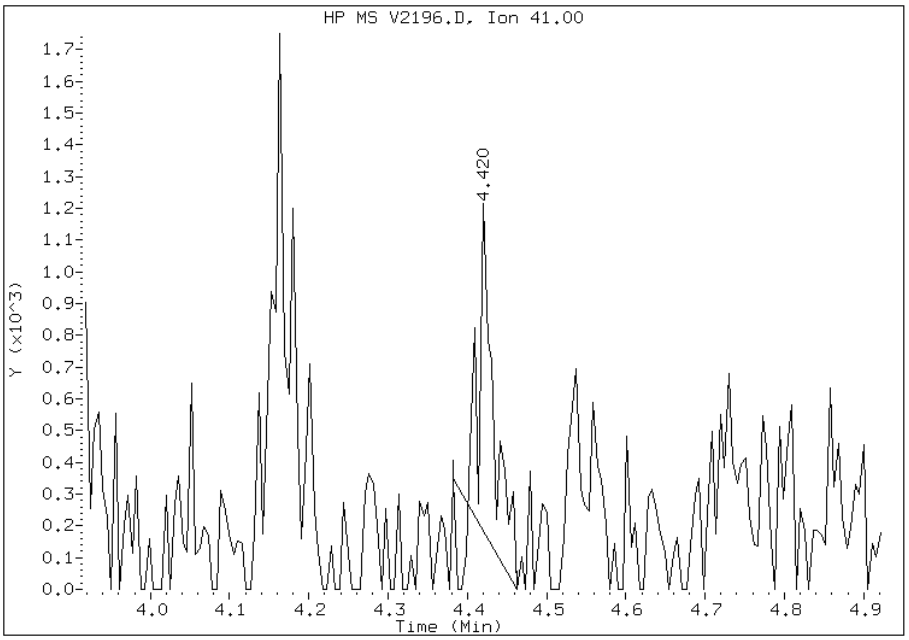
Processing Integration Results

RT: 4.42

Response: 1122

Amount: 0

Conc: 0



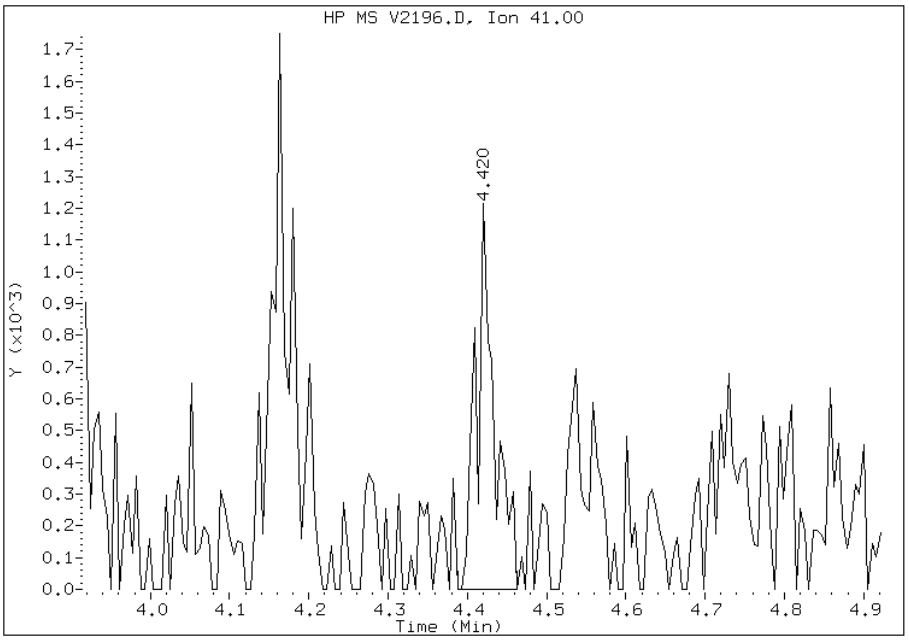
Manual Integration Results

RT: 4.42

Response: 1904

Amount: 1

Conc: 1



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

Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 25 tert-Butyl alcohol
CAS #: 75-65-0
Report Date: 07/14/2011

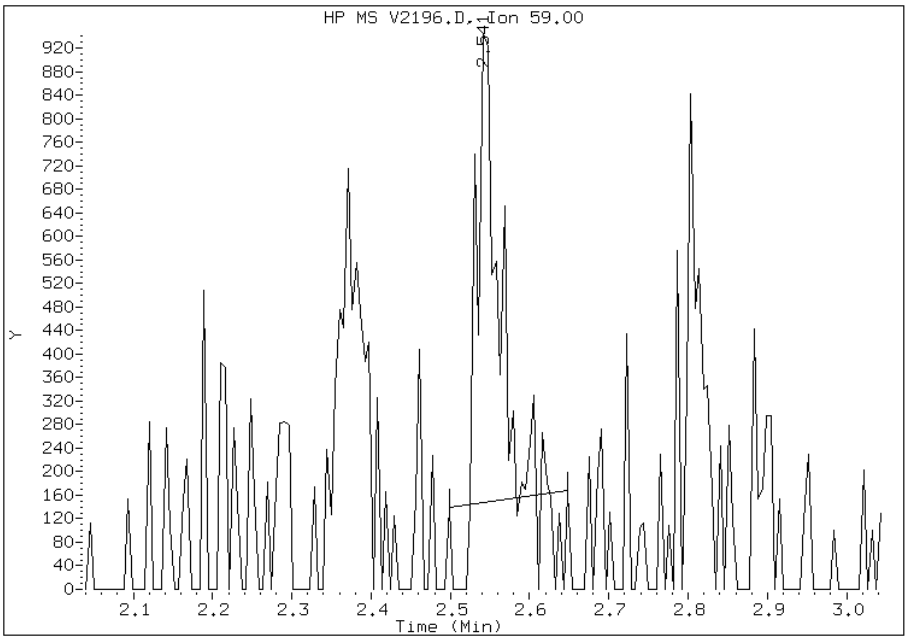
Processing Integration Results

RT: 2.54

Response: 1108

Amount: 2

Conc: 2



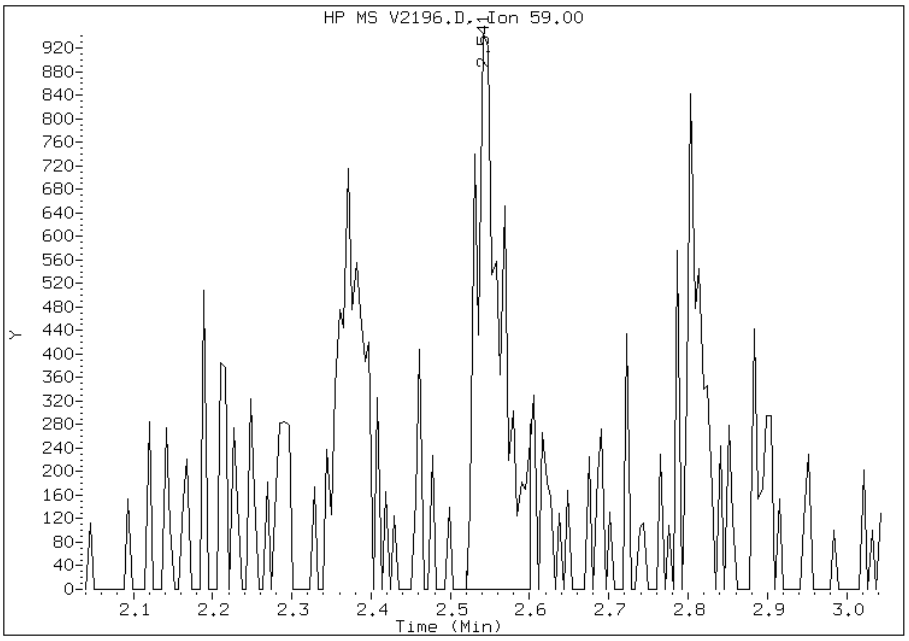
Manual Integration Results

RT: 2.54

Response: 2094

Amount: 3

Conc: 3



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

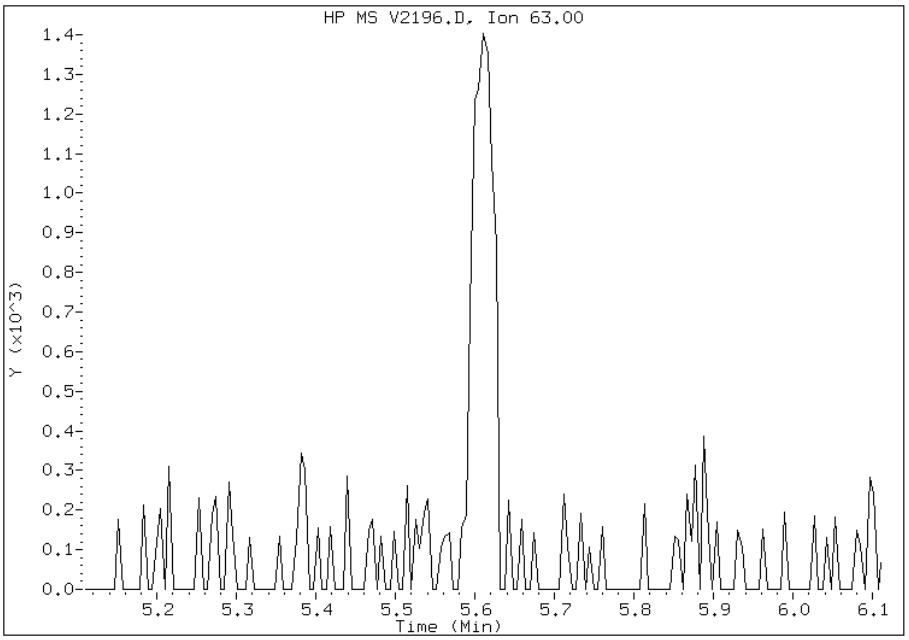
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 64 1,2-Dichloropropane
CAS #: 78-87-5
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 5.61



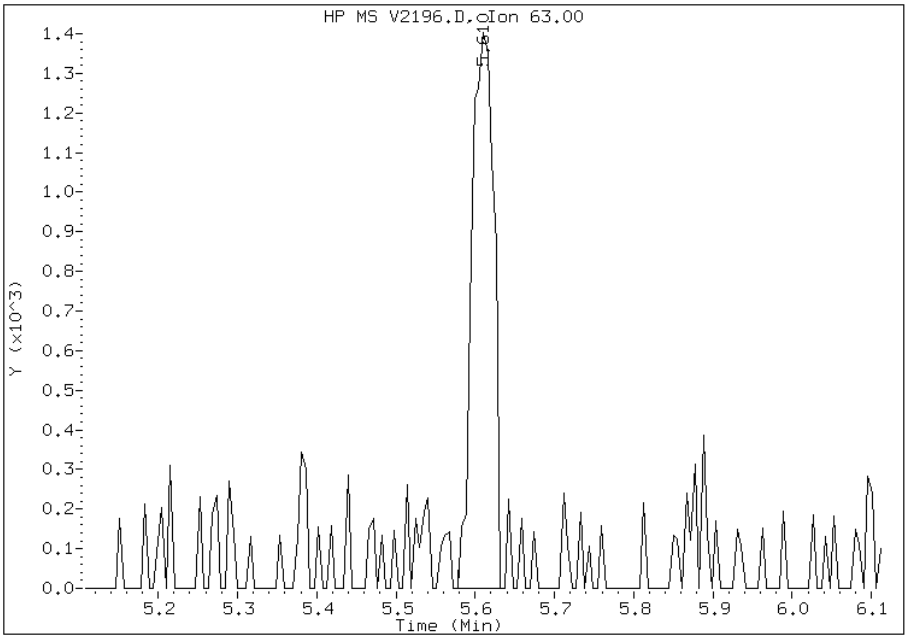
Manual Integration Results

RT: 5.61

Response: 2643

Amount: 0

Conc: 0



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

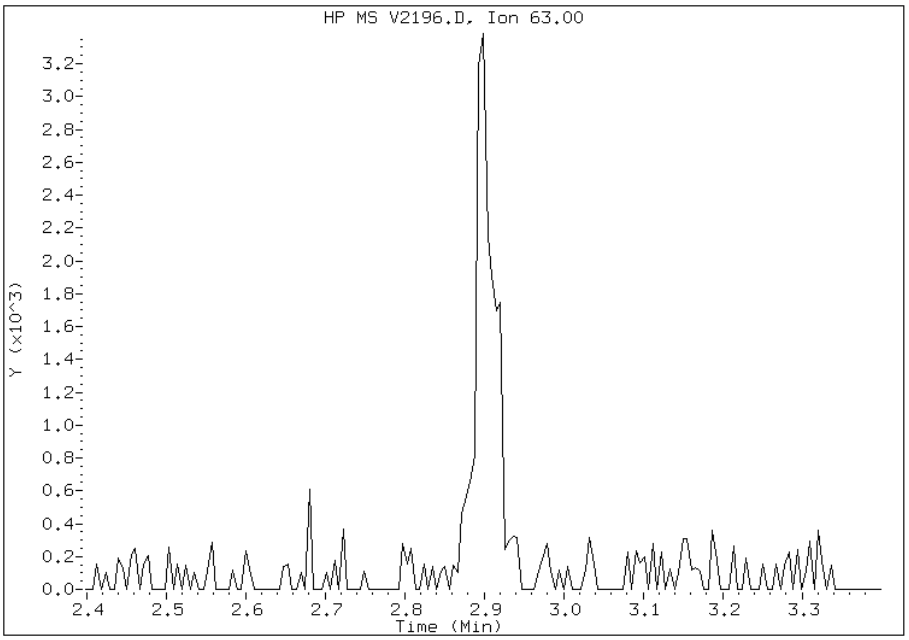
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 31 1,1-Dichloroethane
CAS #: 75-34-3
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 2.90



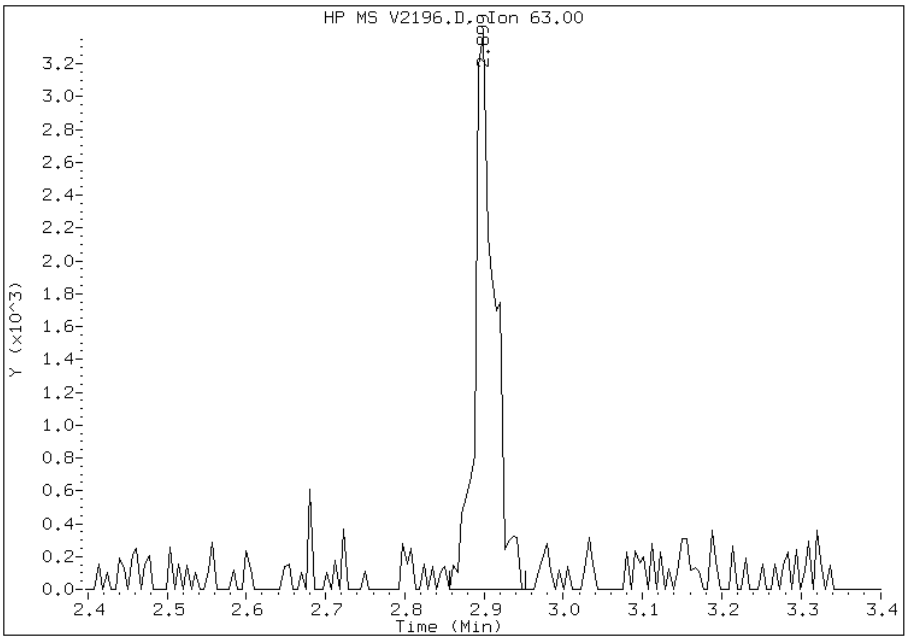
Manual Integration Results

RT: 2.90

Response: 5757

Amount: 1

Conc: 1



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

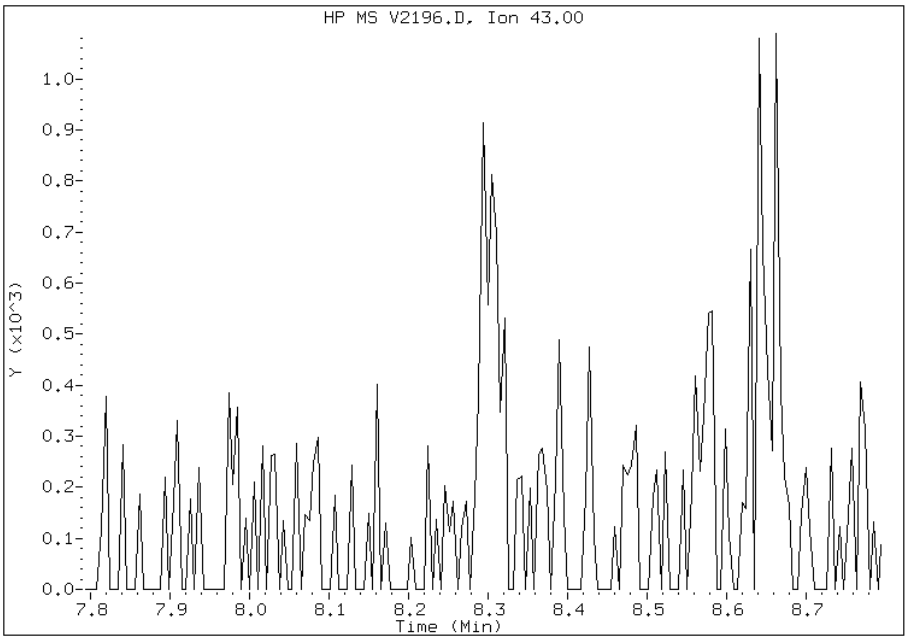
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 86 2-Hexanone
CAS #: 591-78-6
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 8.29



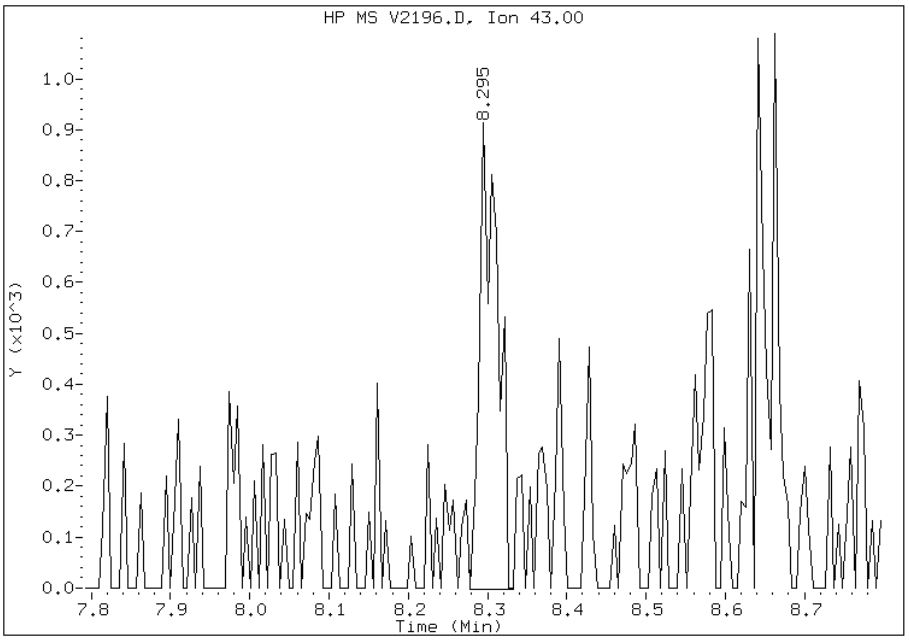
Manual Integration Results

RT: 8.29

Response: 1424

Amount: 0

Conc: 0



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

Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 22 trans-1,2-Dichloroethene
CAS #: 156-60-5
Report Date: 07/14/2011

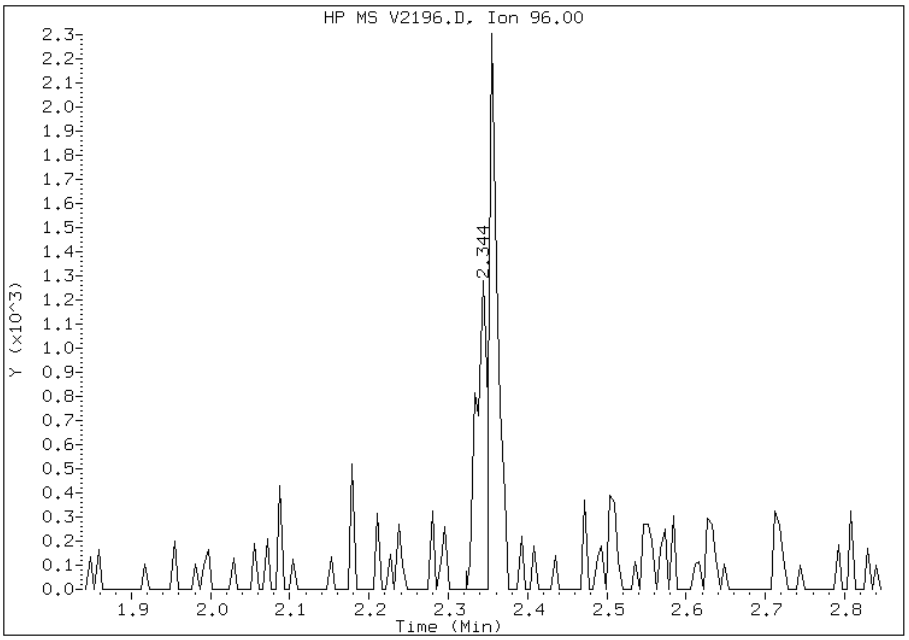
Processing Integration Results

RT: 2.34

Response: 1185

Amount: 0

Conc: 0



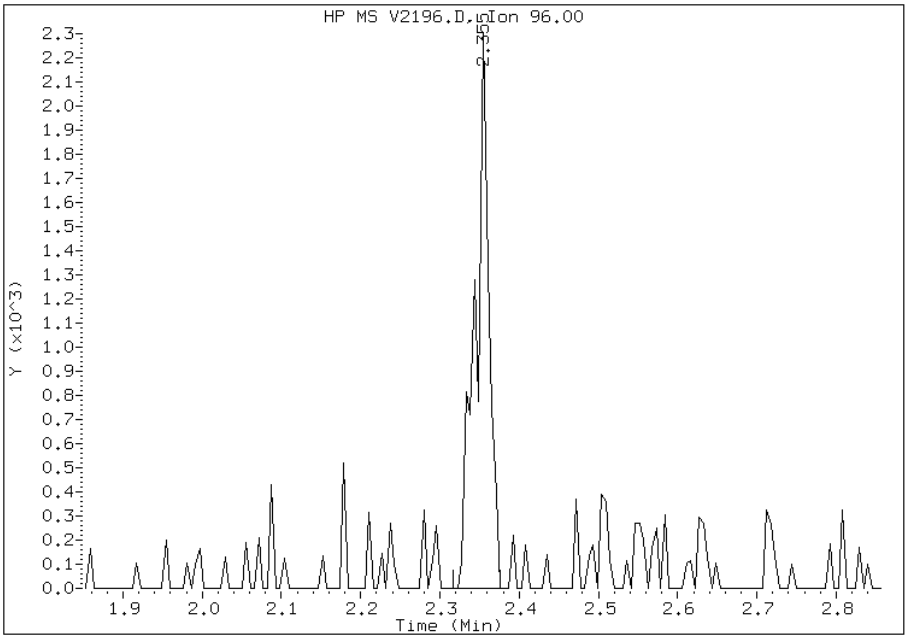
Manual Integration Results

RT: 2.35

Response: 2716

Amount: 1

Conc: 1



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

Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 19 3-Chloro-1-Propene
CAS #: 107-05-1
Report Date: 07/14/2011

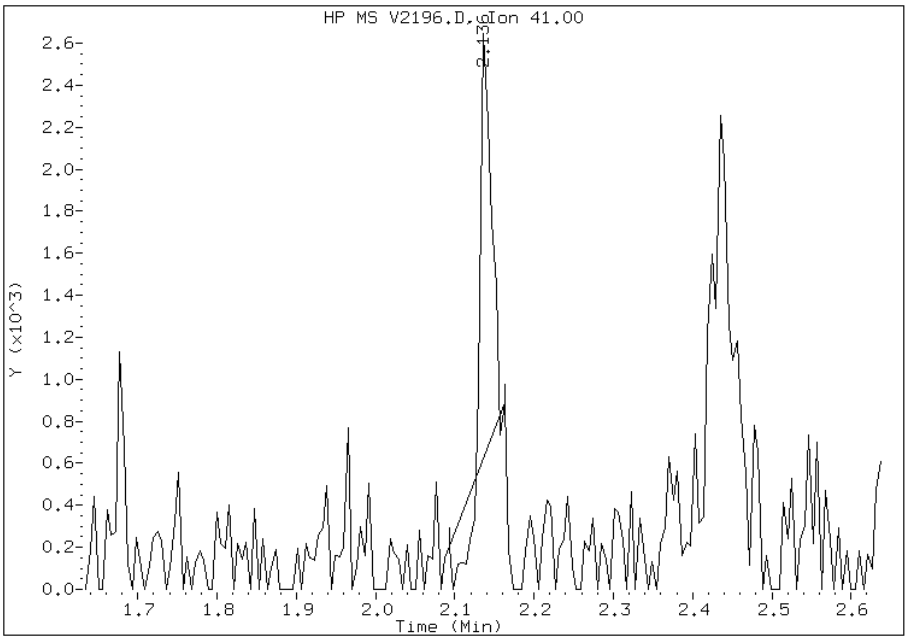
Processing Integration Results

RT: 2.14

Response: 1325

Amount: 0

Conc: 0



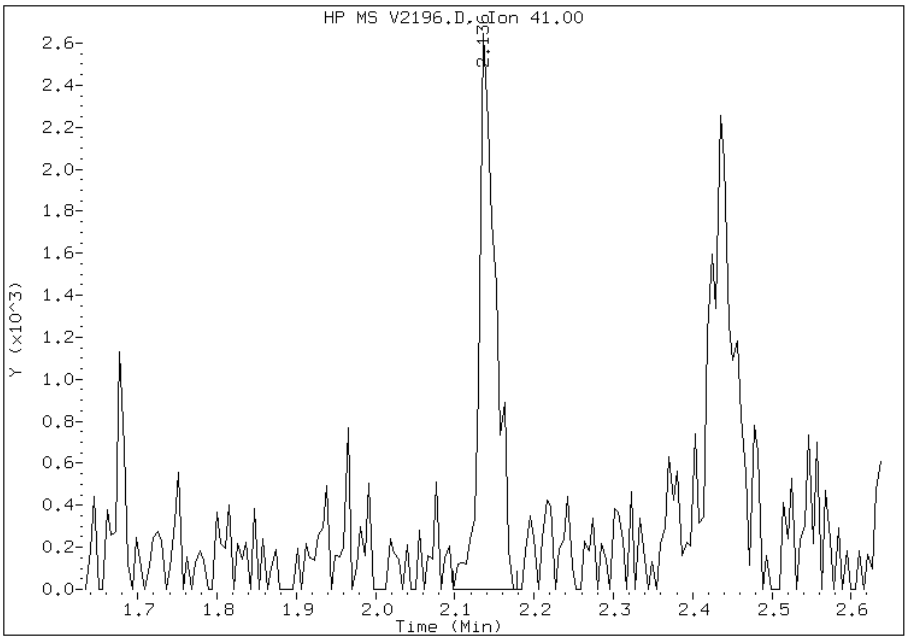
Manual Integration Results

RT: 2.14

Response: 3771

Amount: 1

Conc: 1



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

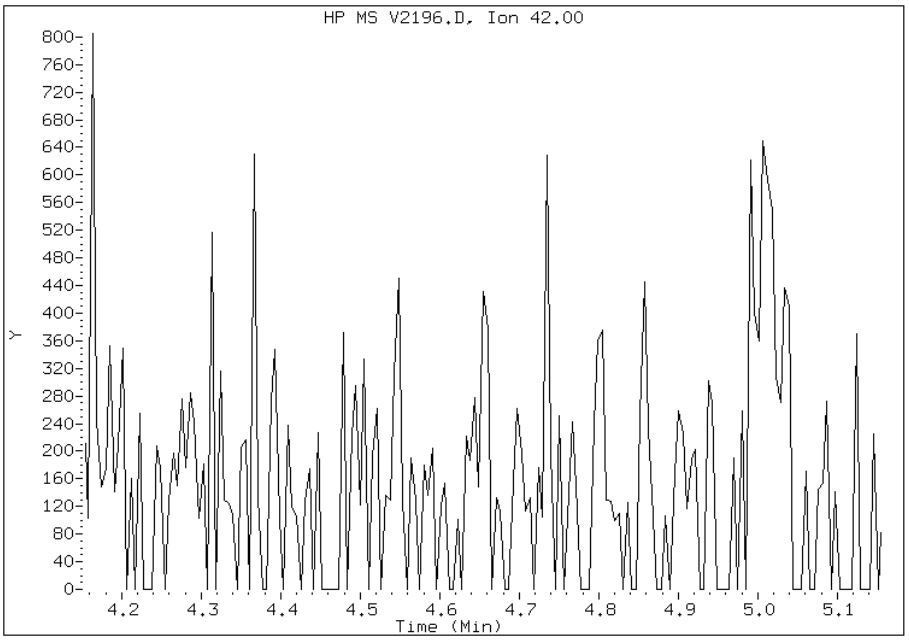
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 54 Isobutyl alcohol
CAS #: 78-83-1
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 4.65



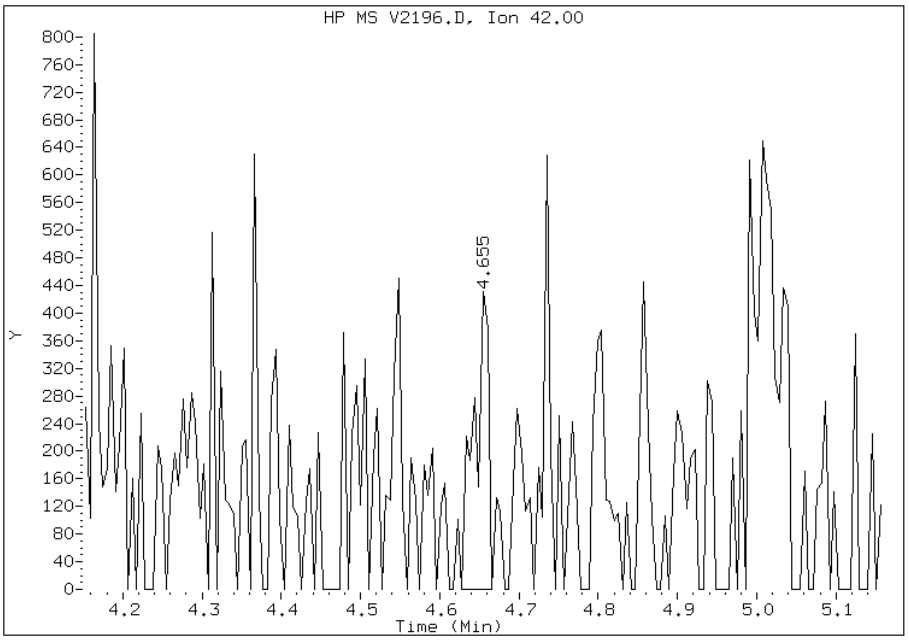
Manual Integration Results

RT: 4.65

Response: 526

Amount: 4

Conc: 4



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

Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 44 1,1,1-Trichloroethane
CAS #: 71-55-6
Report Date: 07/14/2011

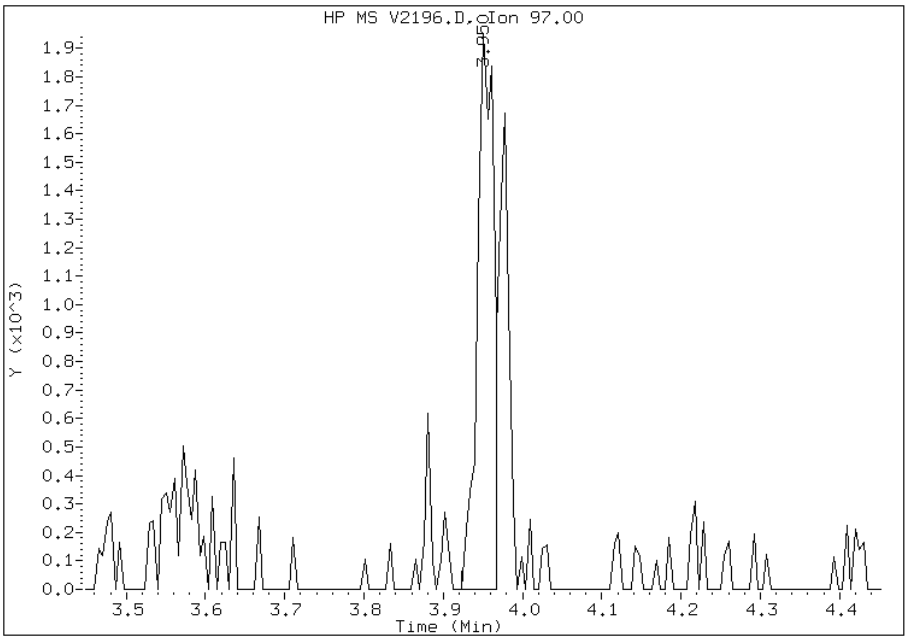
Processing Integration Results

RT: 3.95

Response: 2768

Amount: 0

Conc: 0



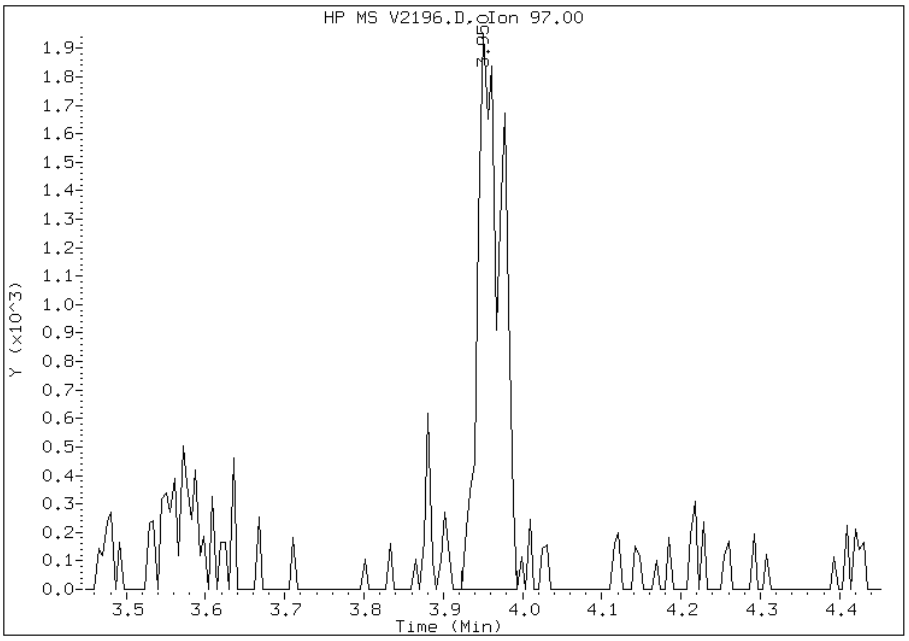
Manual Integration Results

RT: 3.95

Response: 4130

Amount: 0

Conc: 0



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

Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 30 Acrylonitrile
CAS #: 107-13-1
Report Date: 07/14/2011

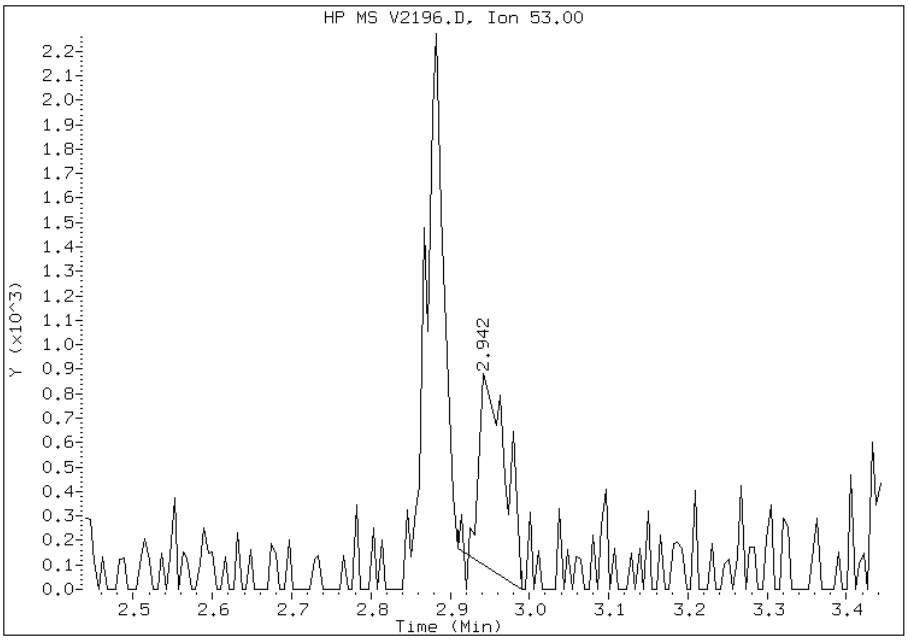
Processing Integration Results

RT: 2.94

Response: 1849

Amount: 1

Conc: 1



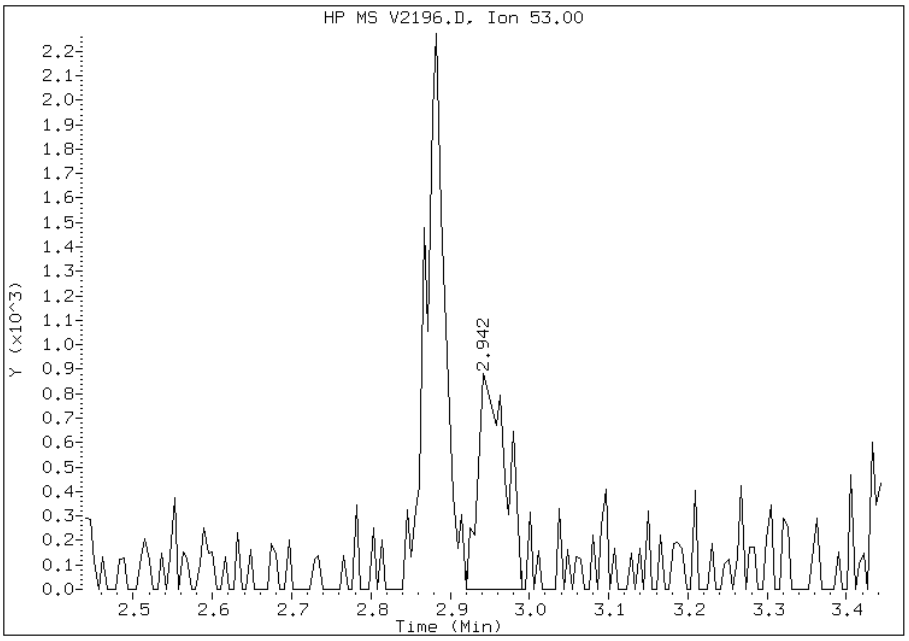
Manual Integration Results

RT: 2.94

Response: 2125

Amount: 1

Conc: 1



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

Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 60 Trichloroethene
CAS #: 79-01-6
Report Date: 07/14/2011

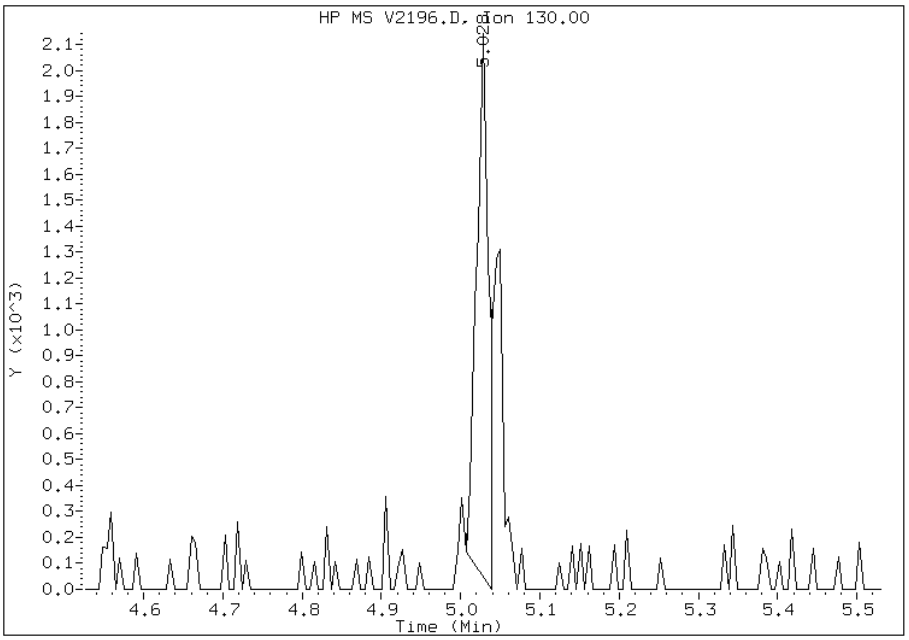
Processing Integration Results

RT: 5.03

Response: 2217

Amount: 0

Conc: 0



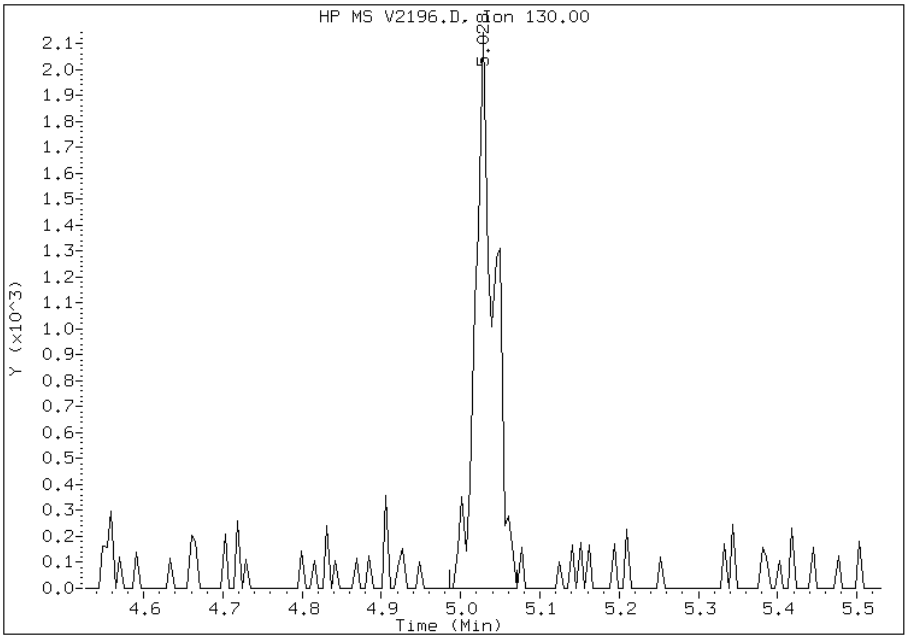
Manual Integration Results

RT: 5.03

Response: 3569

Amount: 1

Conc: 1



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

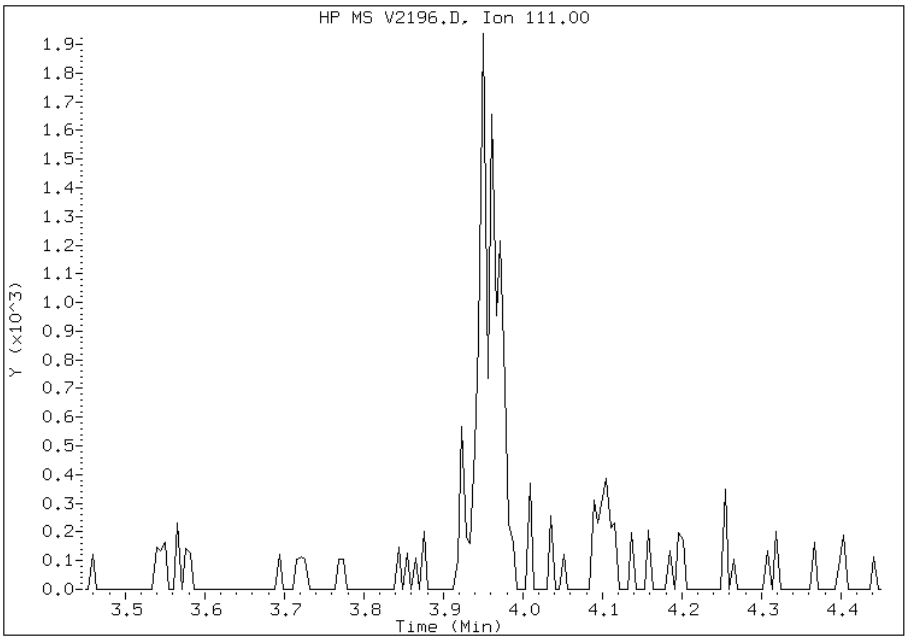
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 41 Dibromofluoromethane
CAS #: 1868-53-7
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 3.95



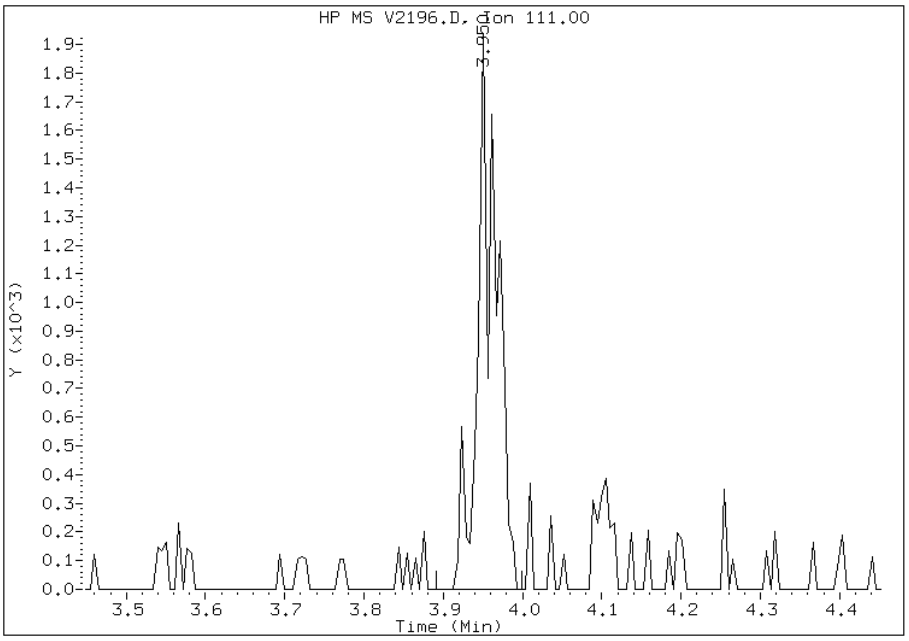
Manual Integration Results

RT: 3.95

Response: 3195

Amount: 0

Conc: 0



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

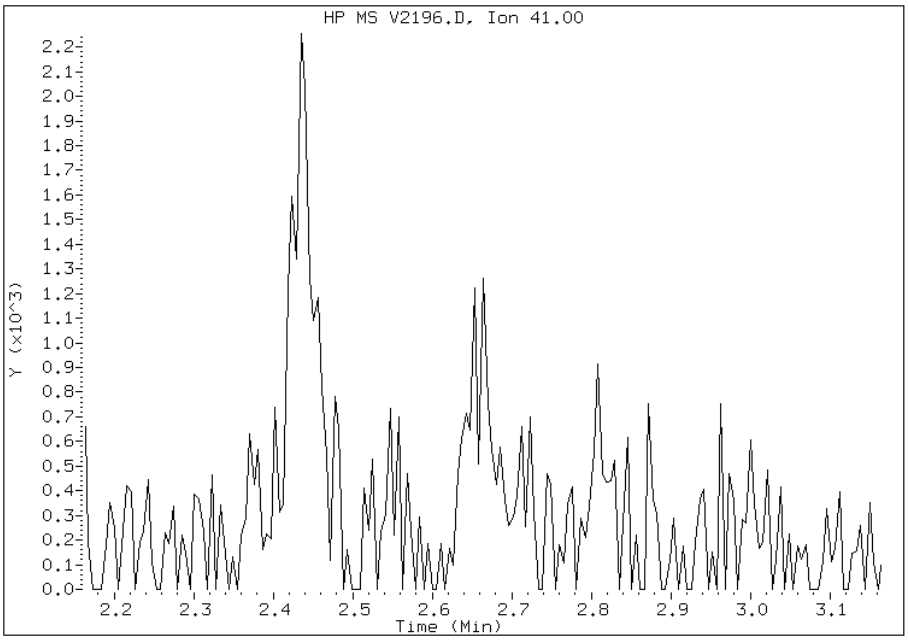
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 26 Acetonitrile
CAS #: 75-05-8
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 2.66



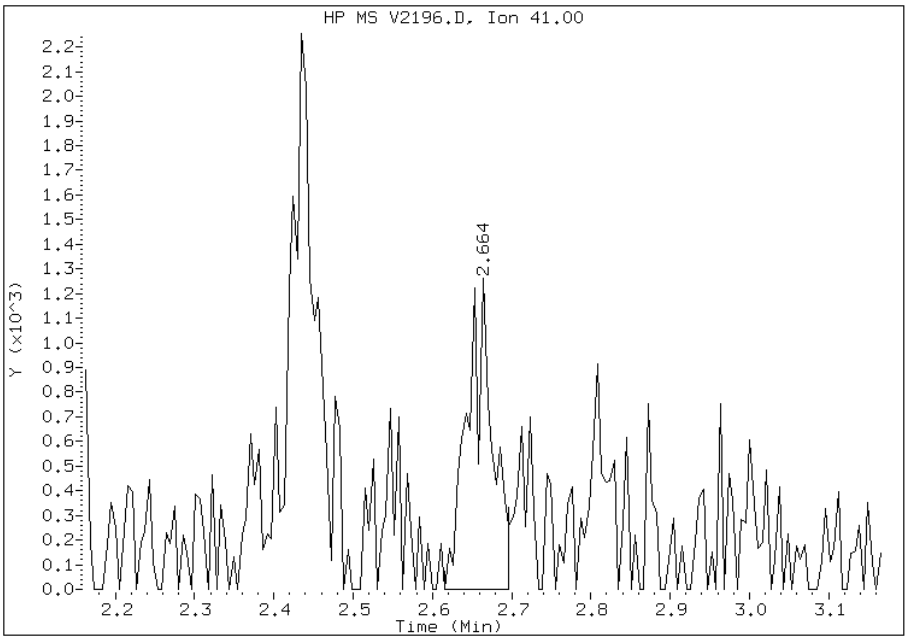
Manual Integration Results

RT: 2.66

Response: 2769

Amount: 5

Conc: 5



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

Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 27 Isopropyl ether
CAS #: 108-20-3
Report Date: 07/14/2011

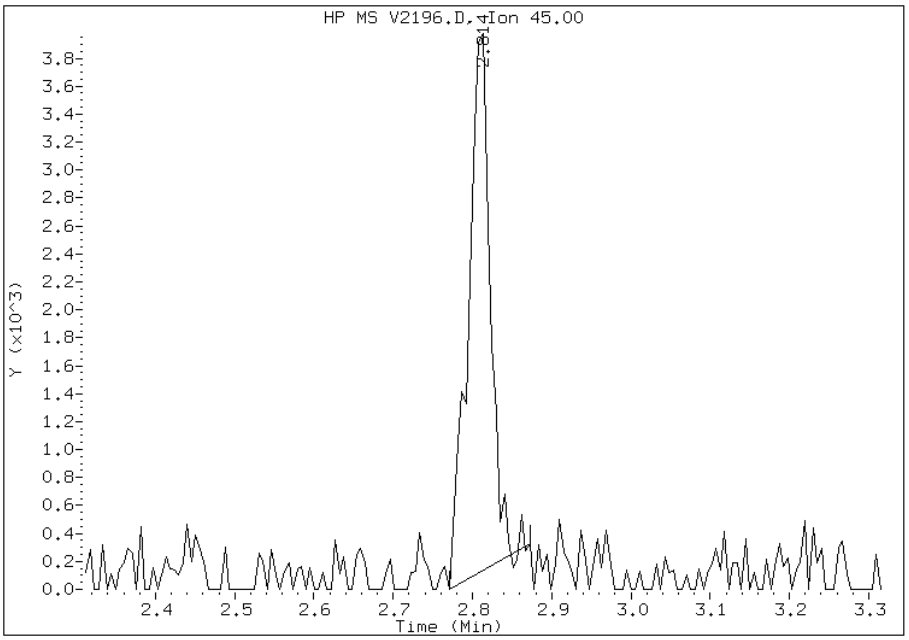
Processing Integration Results

RT: 2.81

Response: 7367

Amount: 0

Conc: 0



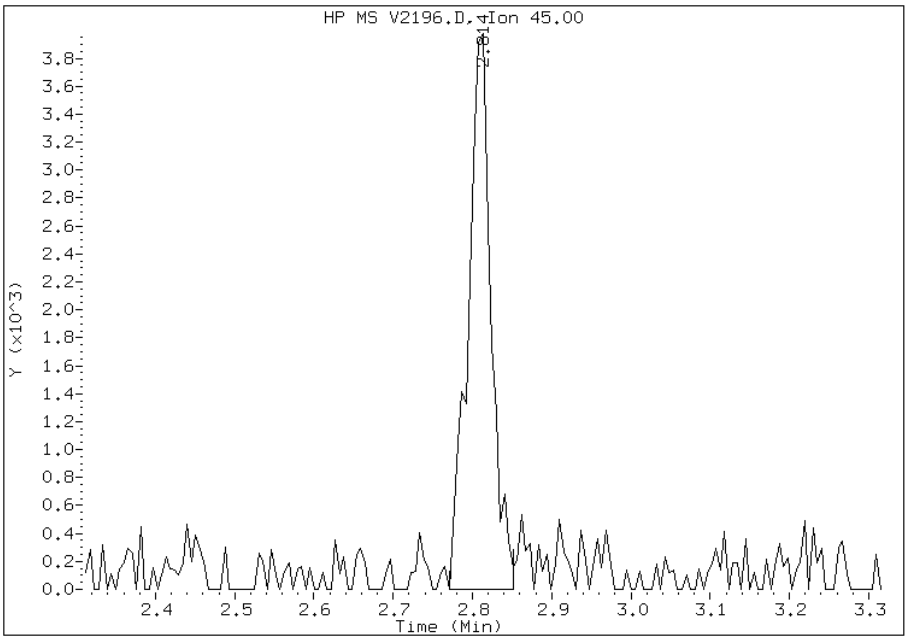
Manual Integration Results

RT: 2.81

Response: 7974

Amount: 1

Conc: 1



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

Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 65 Bromodichloromethane
CAS #: 75-27-4
Report Date: 07/14/2011

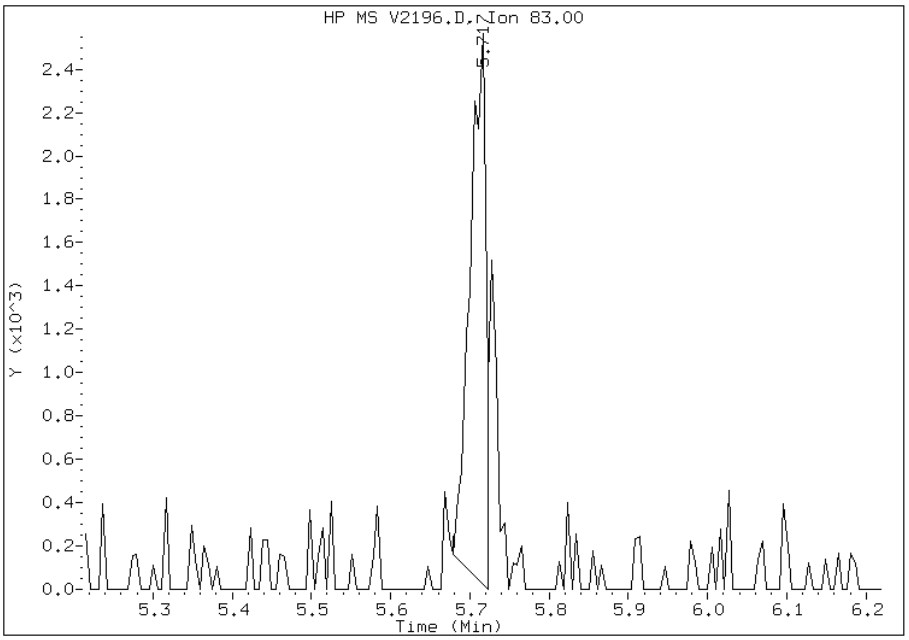
Processing Integration Results

RT: 5.72

Response: 3471

Amount: 0

Conc: 0



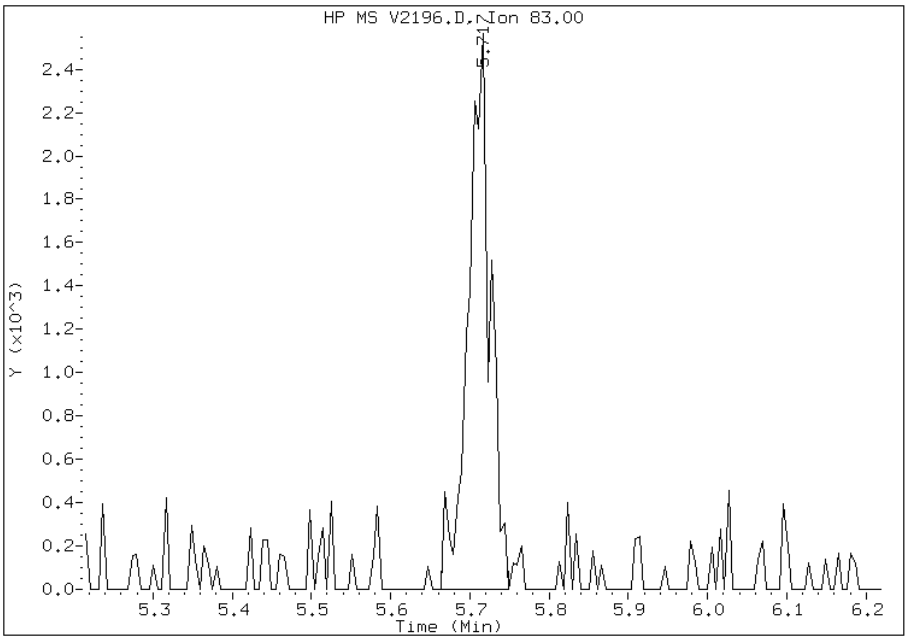
Manual Integration Results

RT: 5.72

Response: 4920

Amount: 1

Conc: 1



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

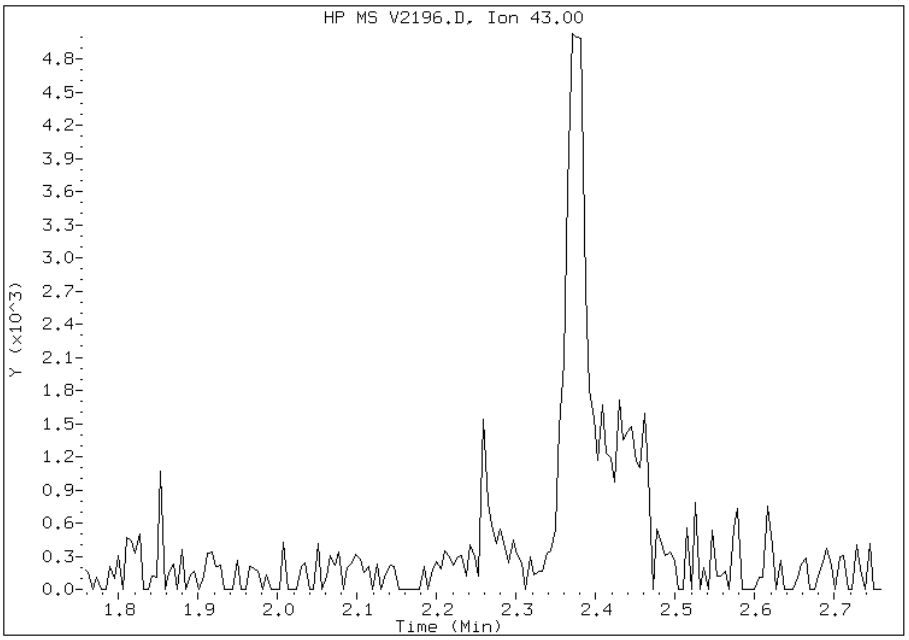
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 21 Acetone
CAS #: 67-64-1
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 2.26



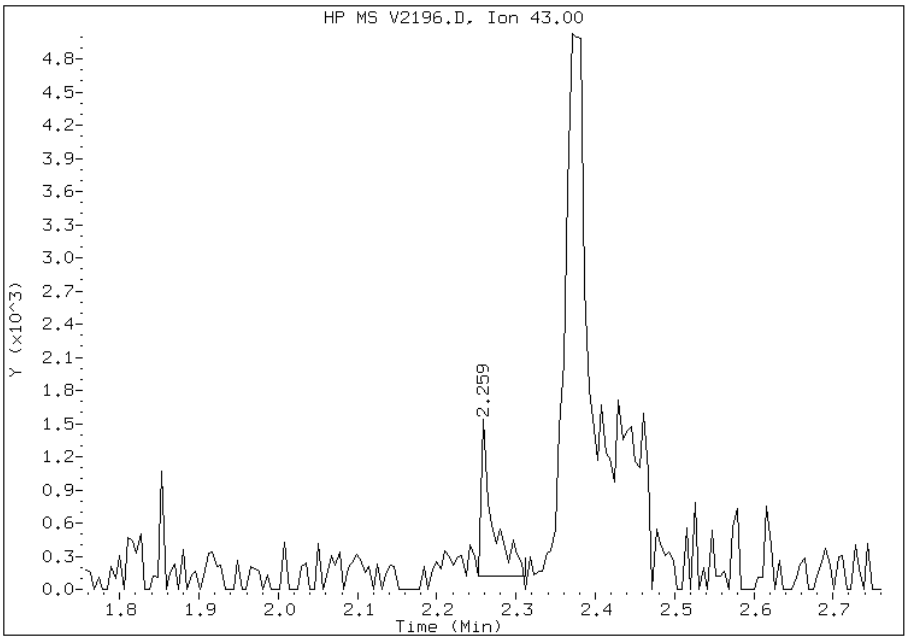
Manual Integration Results

RT: 2.26

Response: 1340

Amount: 1

Conc: 1



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

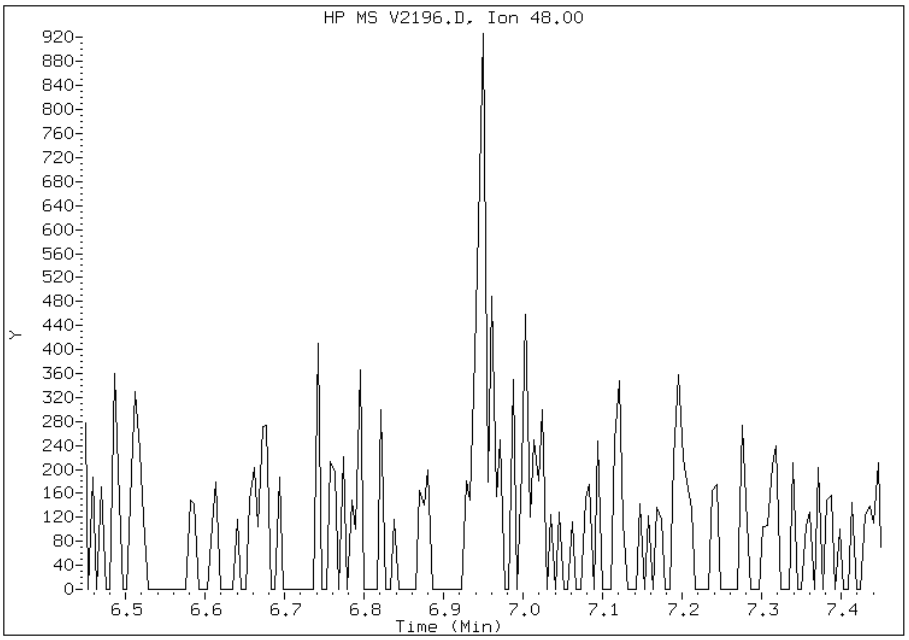
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 71 Chloroacetonitrile
CAS #: 107-14-2
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 6.95



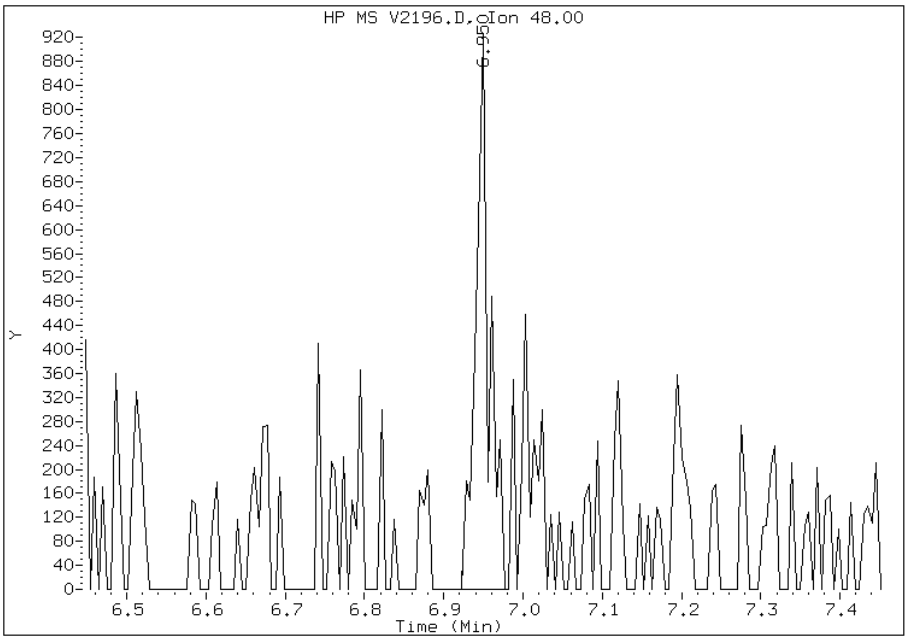
Manual Integration Results

RT: 6.95

Response: 1064

Amount: 5

Conc: 5



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

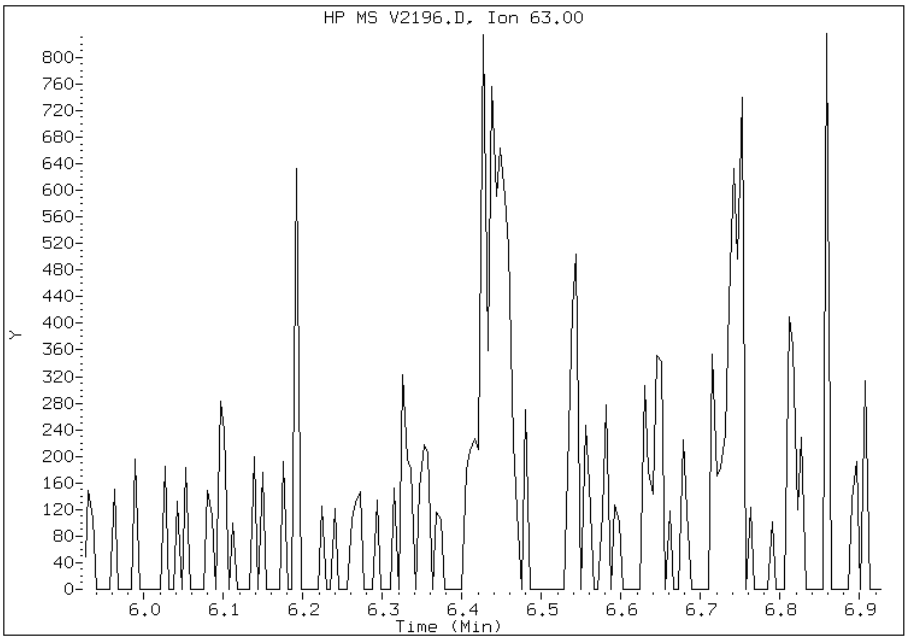
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 69 2-Chloroethylvinylether
CAS #: 110-75-8
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 6.43



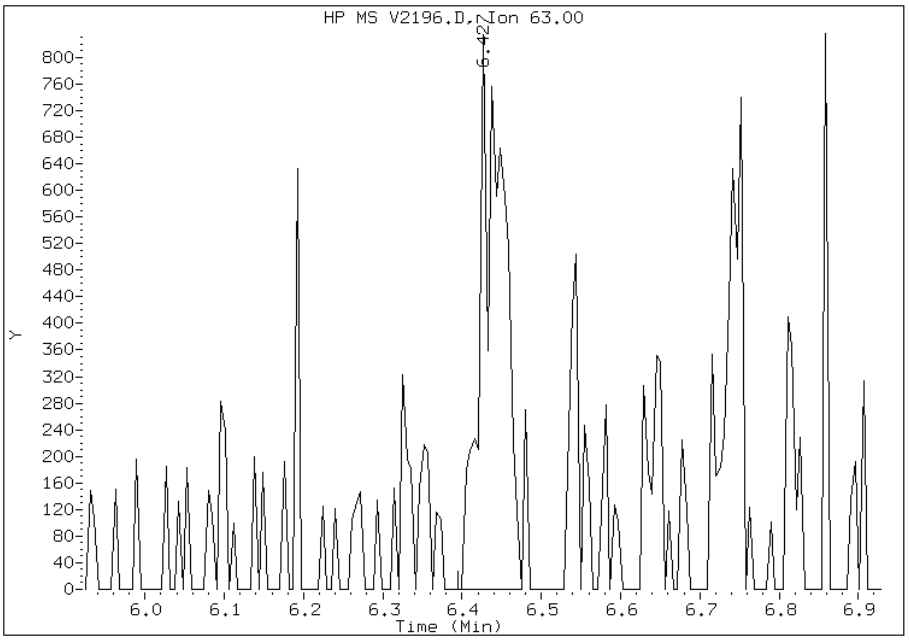
Manual Integration Results

RT: 6.43

Response: 1753

Amount: 0

Conc: 0



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

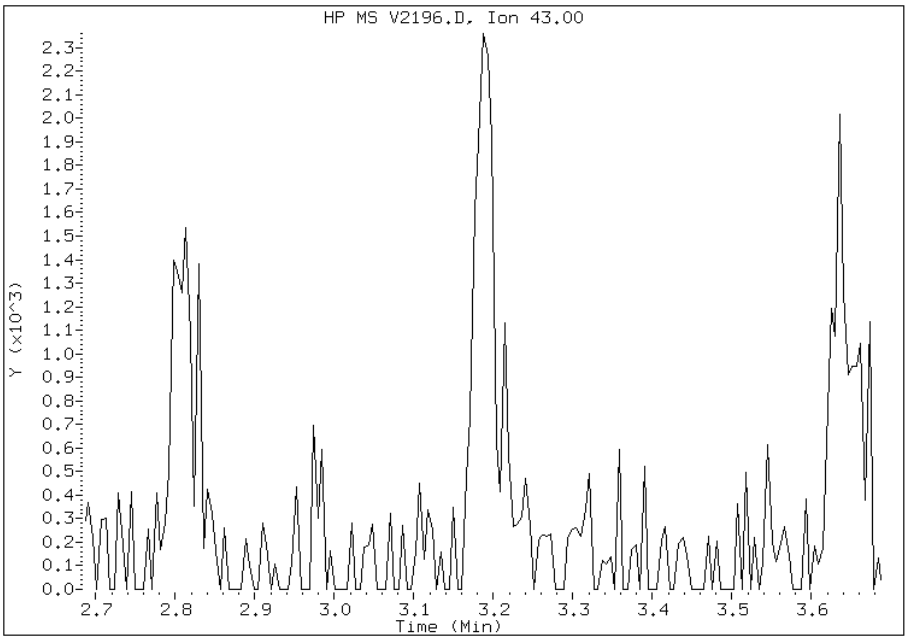
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 32 Vinyl Acetate
CAS #: 108-05-4
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 3.19



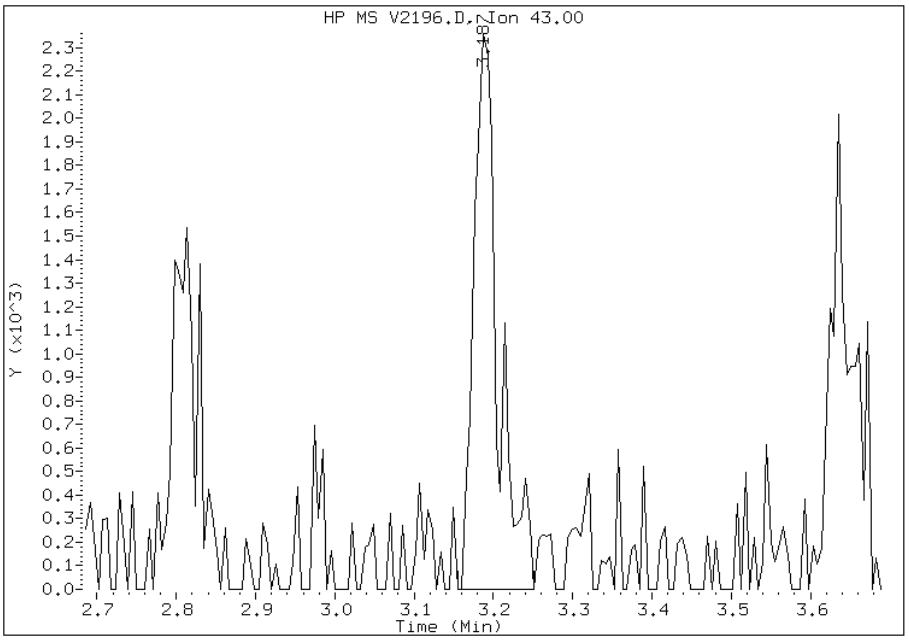
Manual Integration Results

RT: 3.19

Response: 4991

Amount: 0

Conc: 0



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

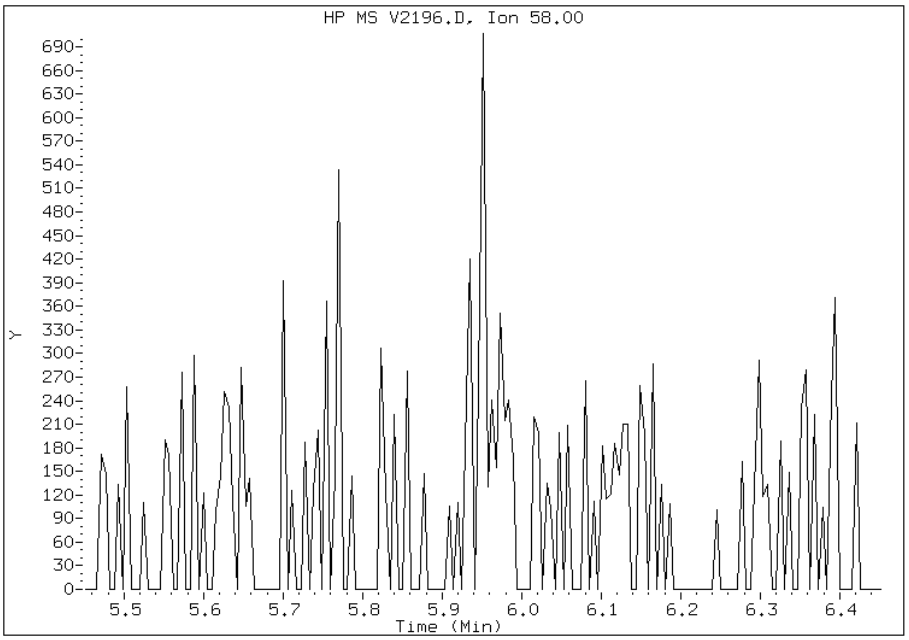
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 67 1,4-Dioxane
CAS #: 123-91-1
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 5.95



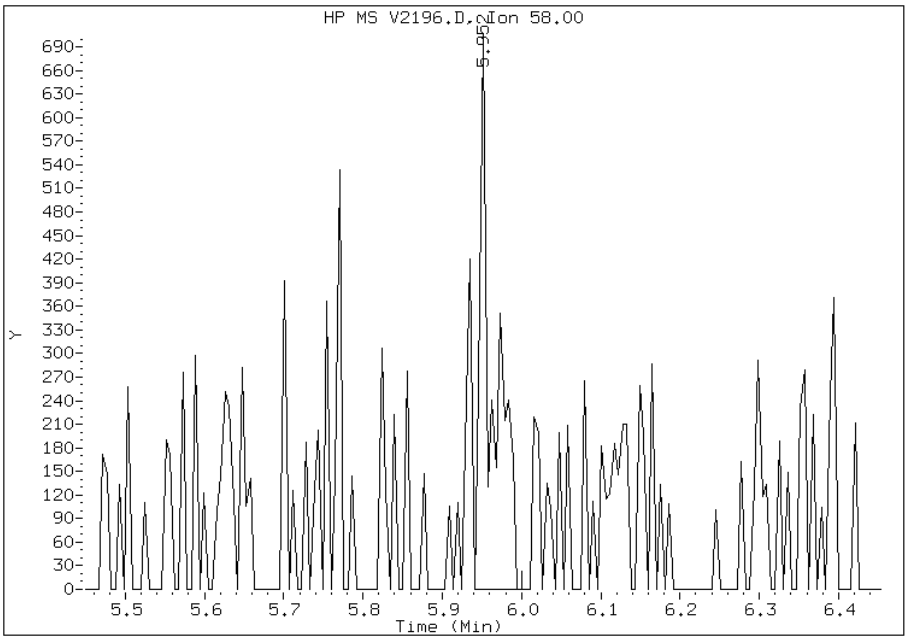
Manual Integration Results

RT: 5.95

Response: 789

Amount: 0

Conc: 0



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

Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 50 Heptane
CAS #: 142-82-5
Report Date: 07/14/2011

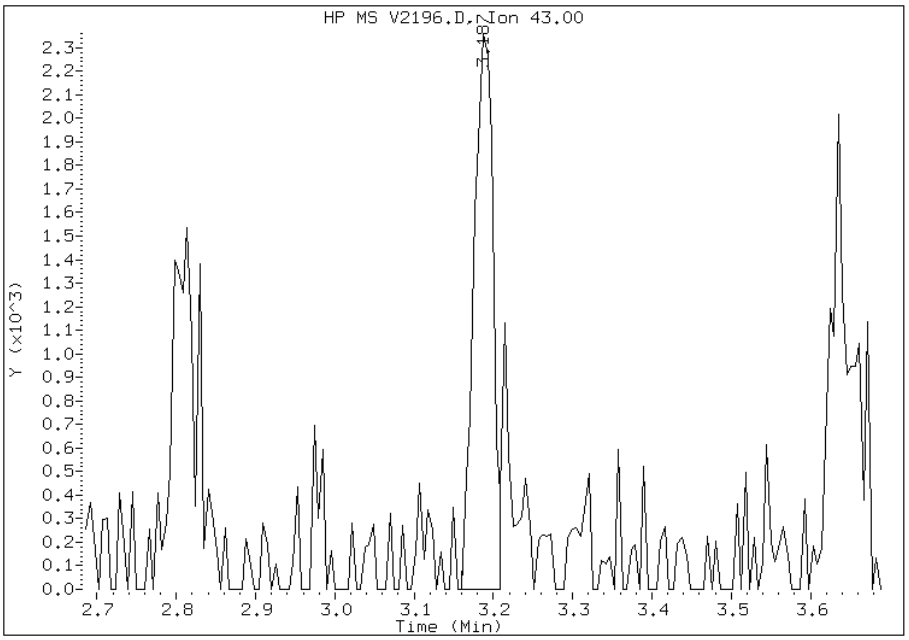
Processing Integration Results

RT: 3.19

Response: 3936

Amount: 0

Conc: 0



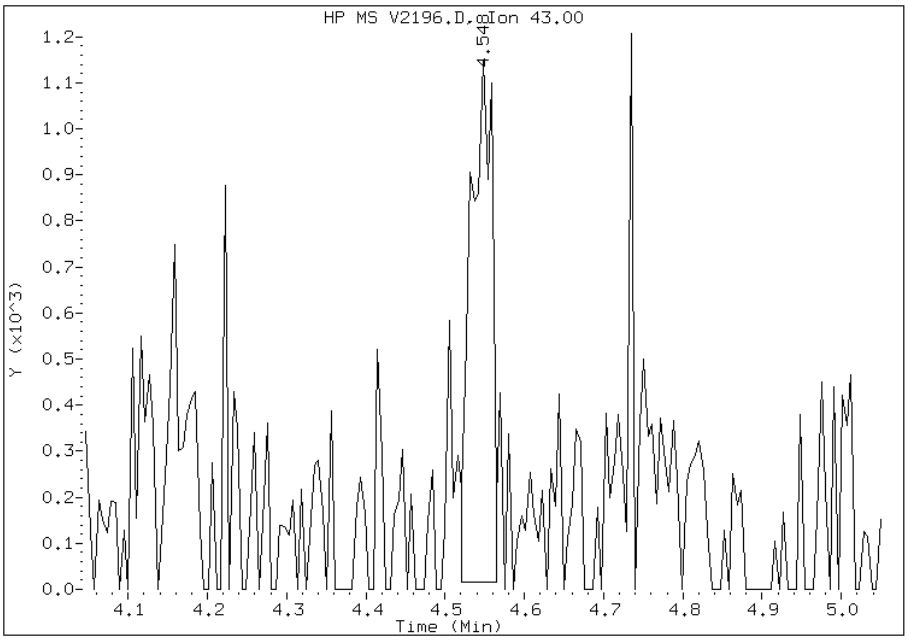
Manual Integration Results

RT: 4.55

Response: 2098

Amount: 0

Conc: 0



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

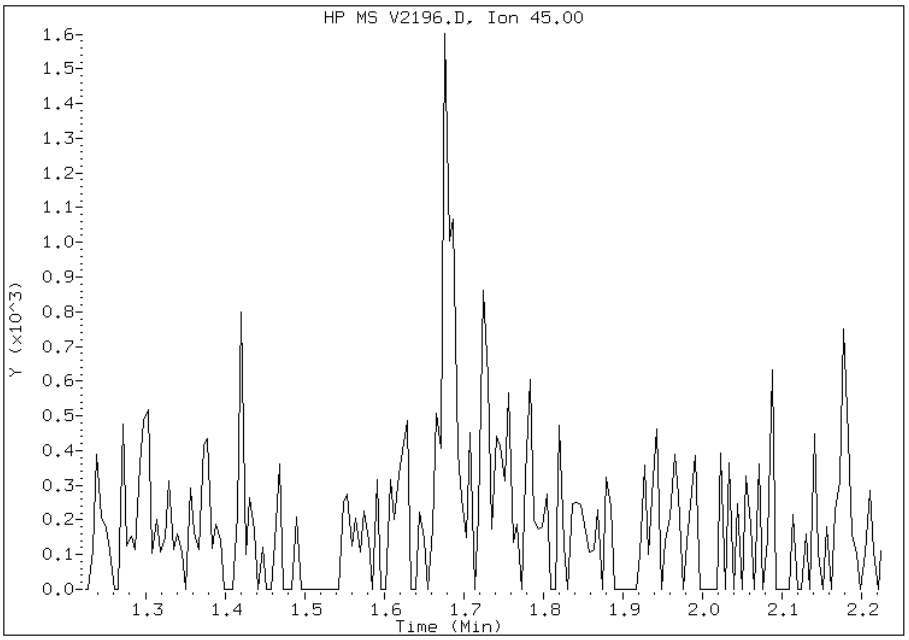
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 10 Ethanol
CAS #: 64-17-5
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 1.72



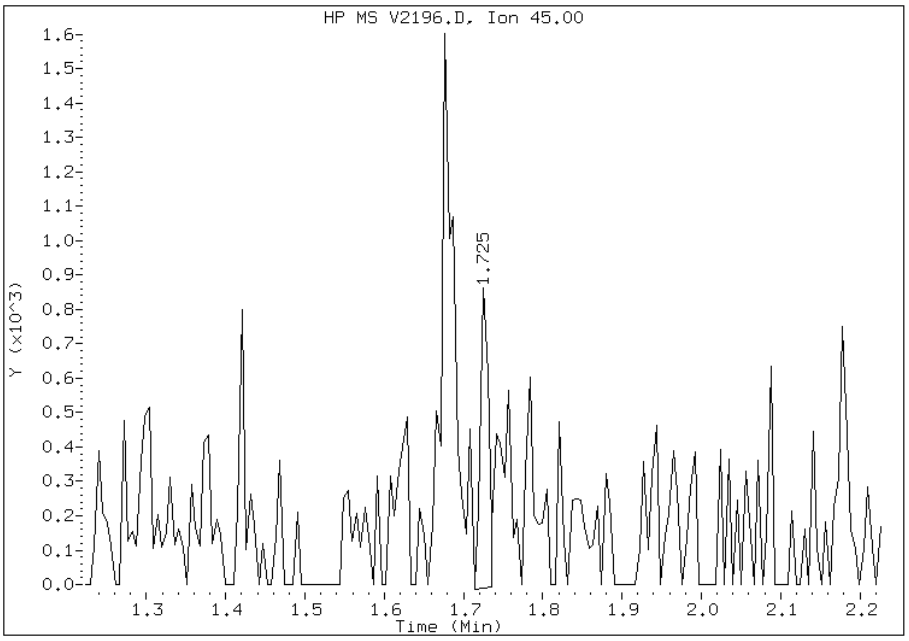
Manual Integration Results

RT: 1.72

Response: 615

Amount: 11

Conc: 11



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

Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 43 Carbon Tetrachloride
CAS #: 56-23-5
Report Date: 07/14/2011

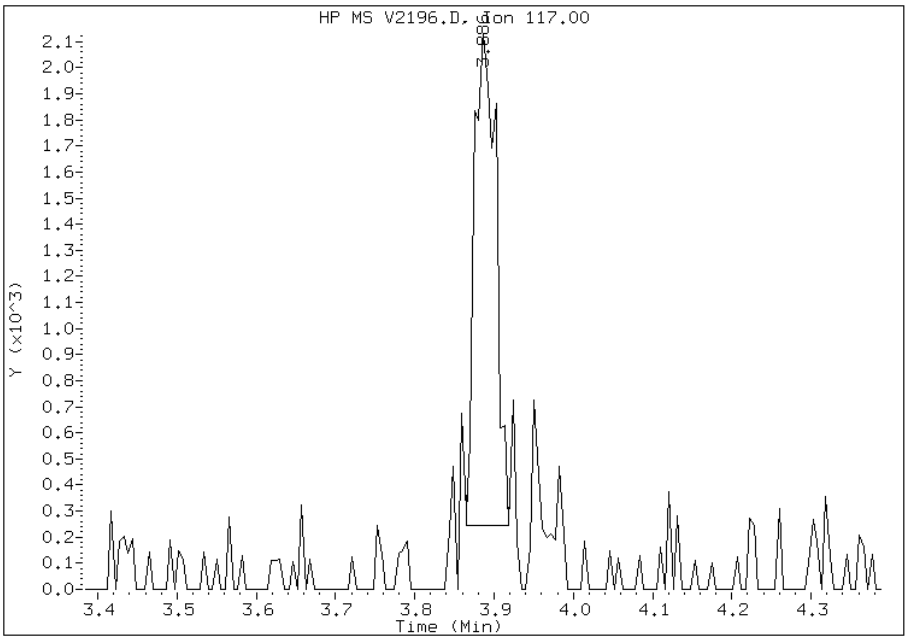
Processing Integration Results

RT: 3.89

Response: 3482

Amount: 0

Conc: 0



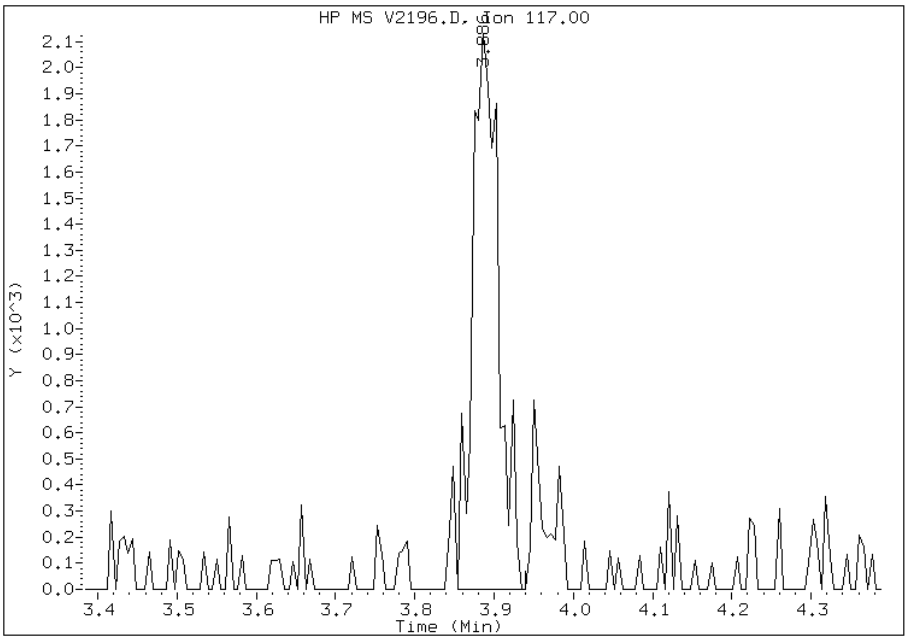
Manual Integration Results

RT: 3.89

Response: 4859

Amount: 1

Conc: 1



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

Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 83 1,3-Dichloropropane
CAS #: 142-28-9
Report Date: 07/14/2011

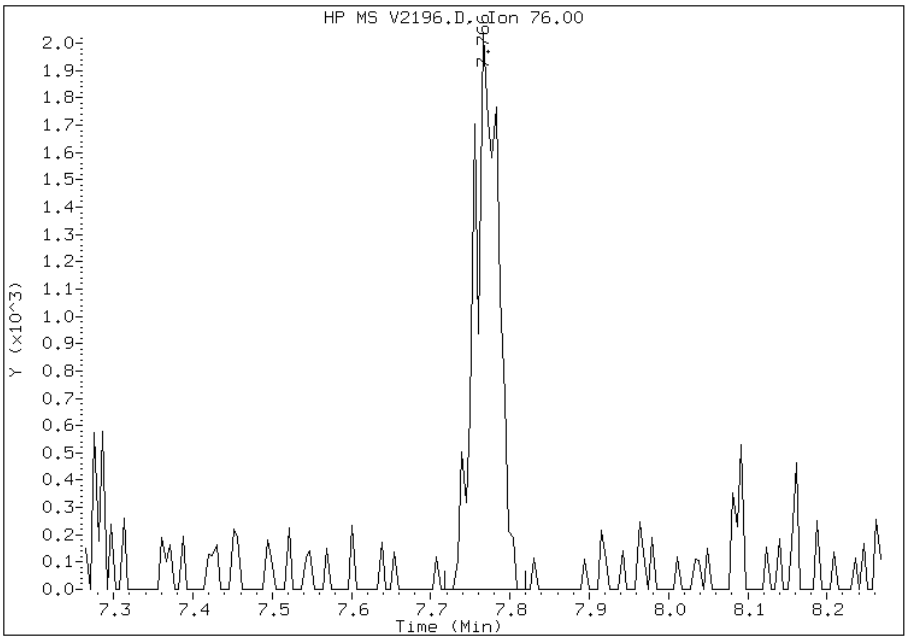
Processing Integration Results

RT: 7.77

Response: 4323

Amount: 0

Conc: 0



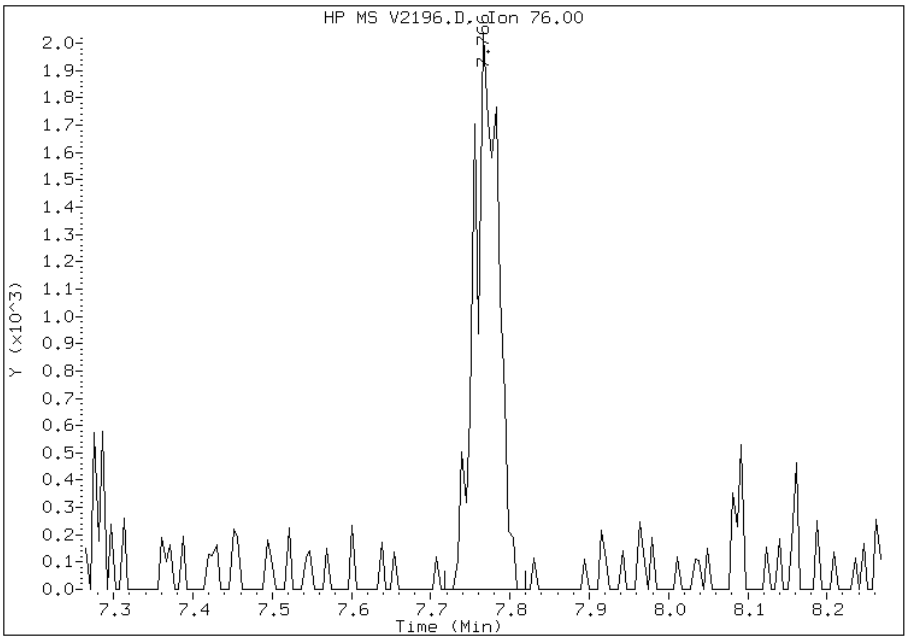
Manual Integration Results

RT: 7.77

Response: 4323

Amount: 0

Conc: 0



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

Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 40 Methyl Acrylate
CAS #: 96-33-3
Report Date: 07/14/2011

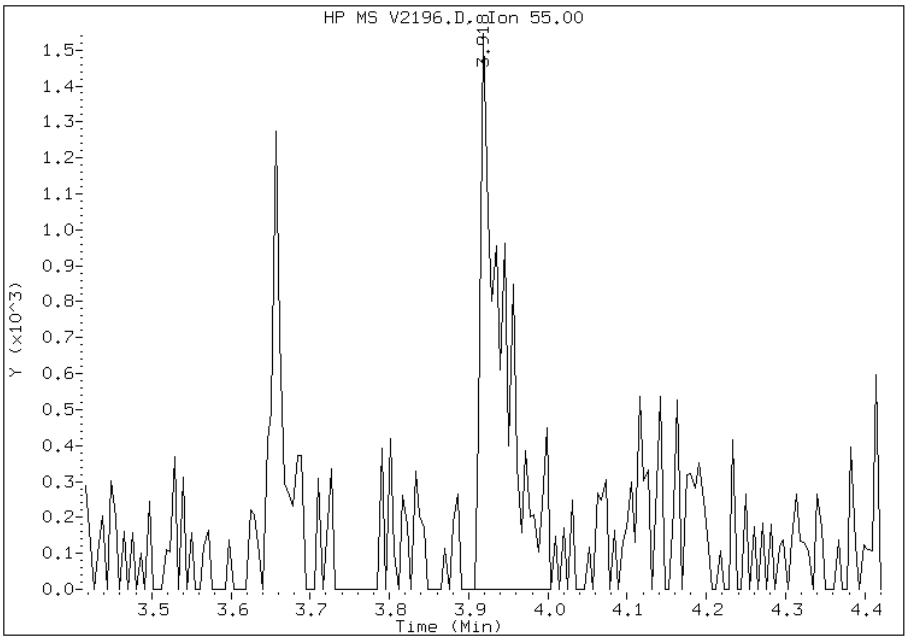
Processing Integration Results

RT: 3.92

Response: 3107

Amount: 1

Conc: 1



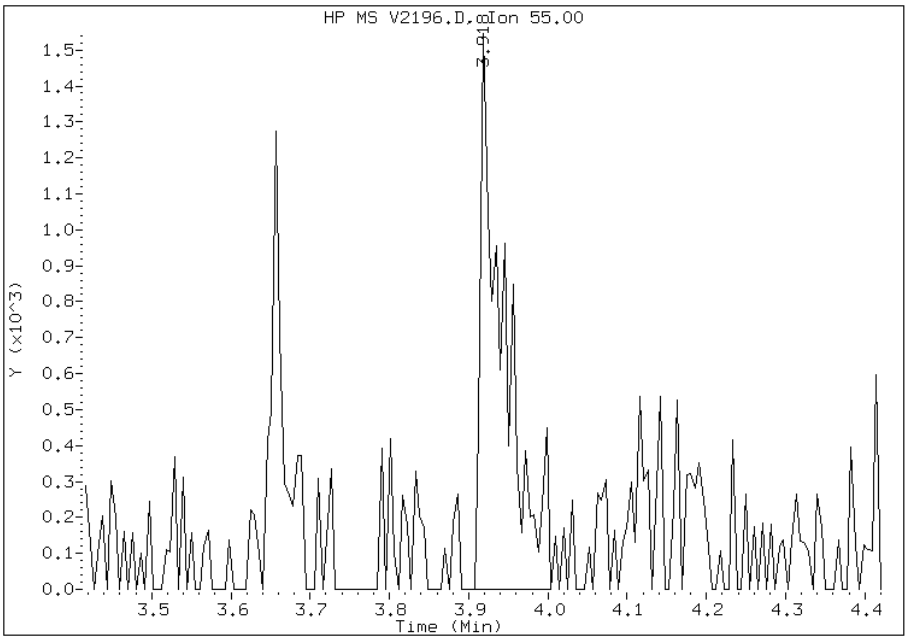
Manual Integration Results

RT: 3.92

Response: 3107

Amount: 1

Conc: 1



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

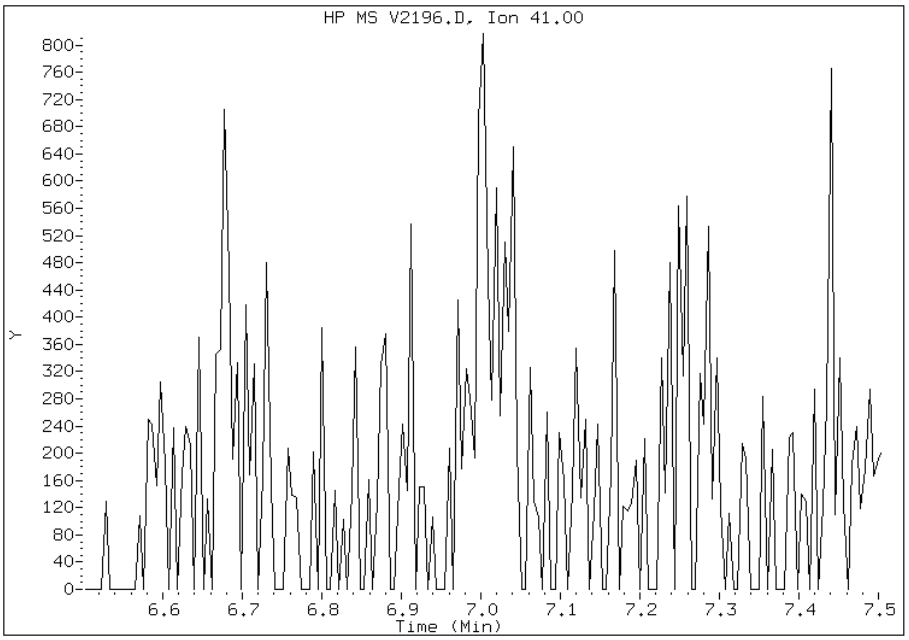
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 72 2-Nitropropane
CAS #: 79-46-9
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 7.00



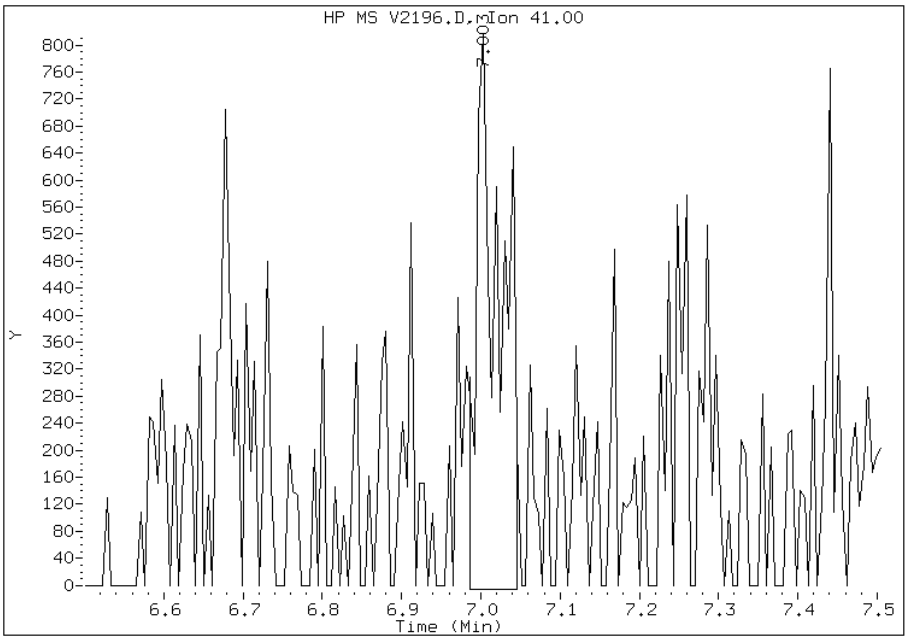
Manual Integration Results

RT: 7.00

Response: 1723

Amount: 1

Conc: 1



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

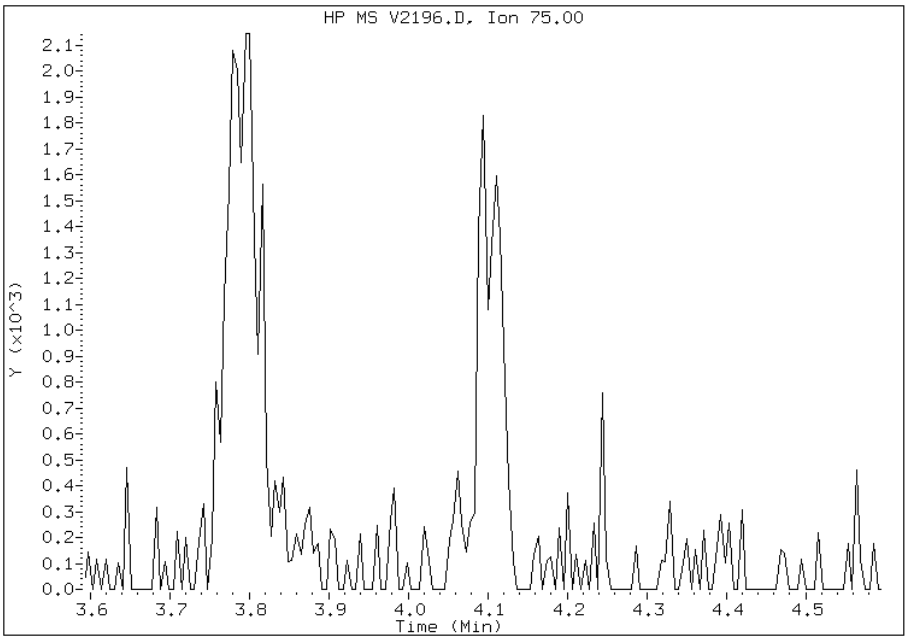
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 46 1,1-Dichloropropene
CAS #: 563-58-6
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 4.09



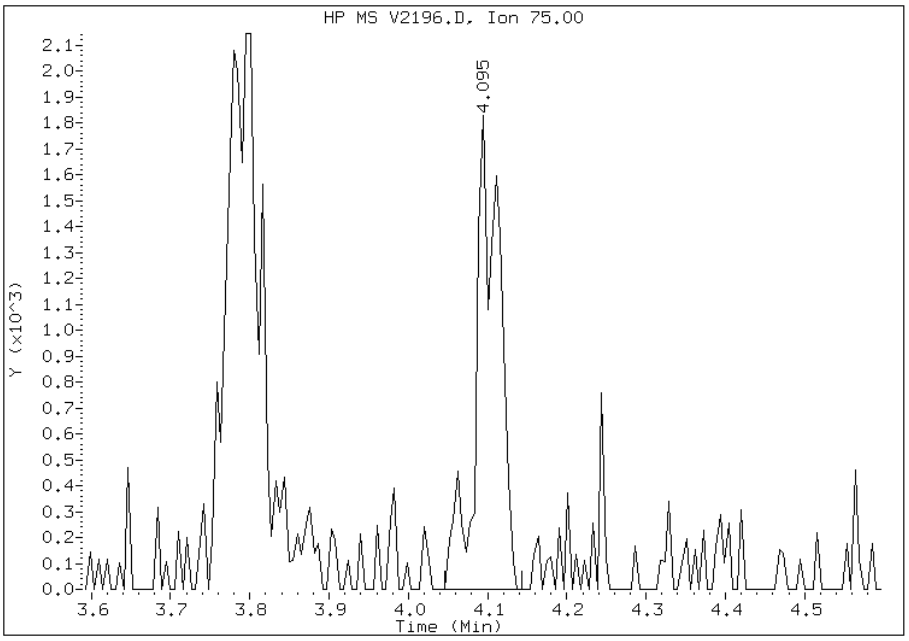
Manual Integration Results

RT: 4.09

Response: 3767

Amount: 0

Conc: 0



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

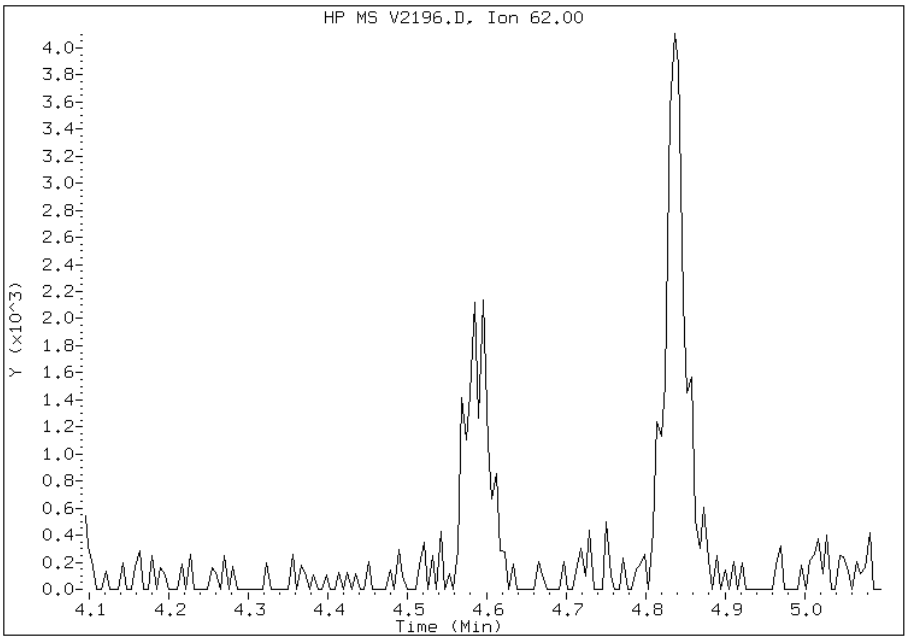
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 56 1,2-Dichloroethane
CAS #: 107-06-2
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 4.60



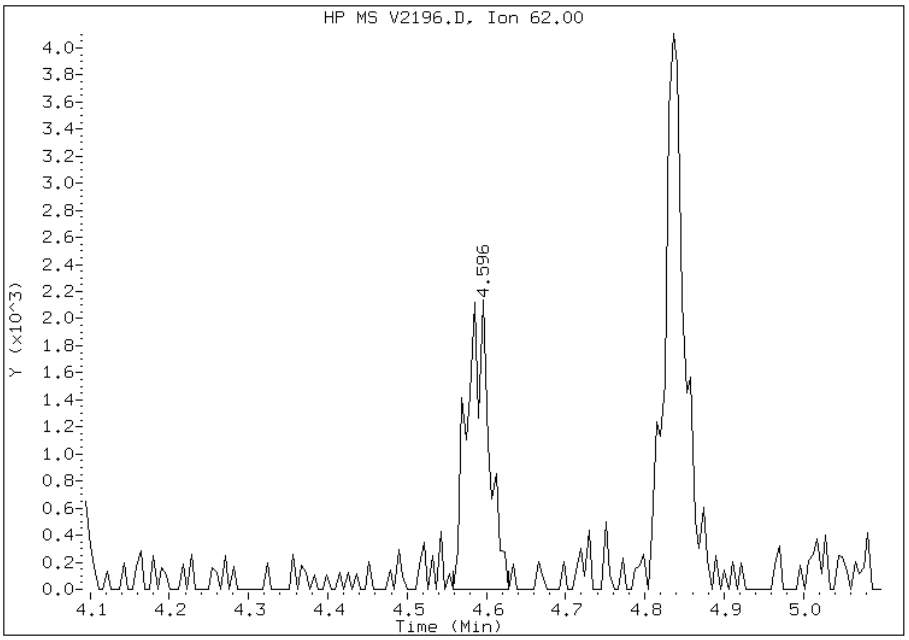
Manual Integration Results

RT: 4.60

Response: 4143

Amount: 0

Conc: 0



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

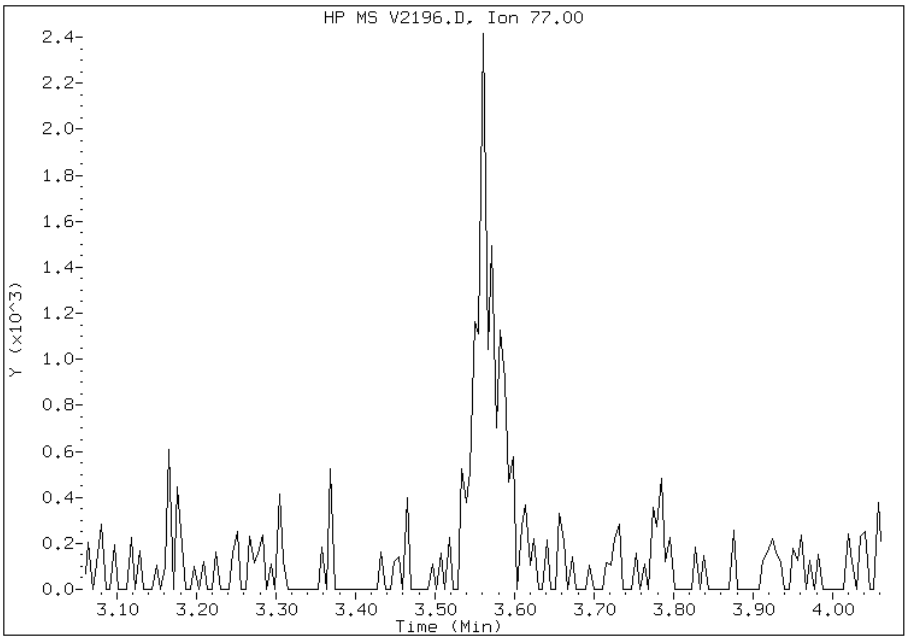
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 34 2,2-Dichloropropane
CAS #: 594-20-7
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 3.56



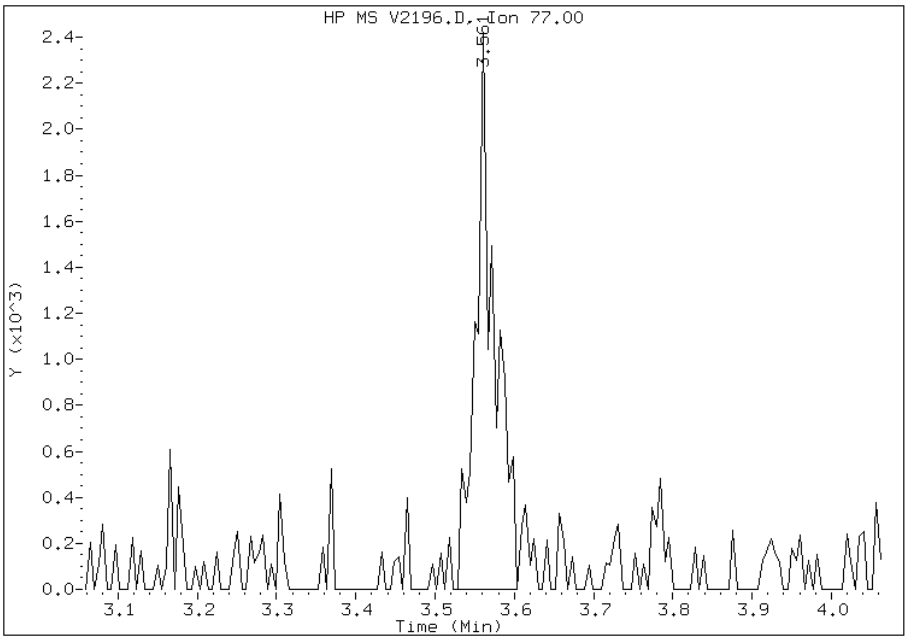
Manual Integration Results

RT: 3.56

Response: 3976

Amount: 0

Conc: 0



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

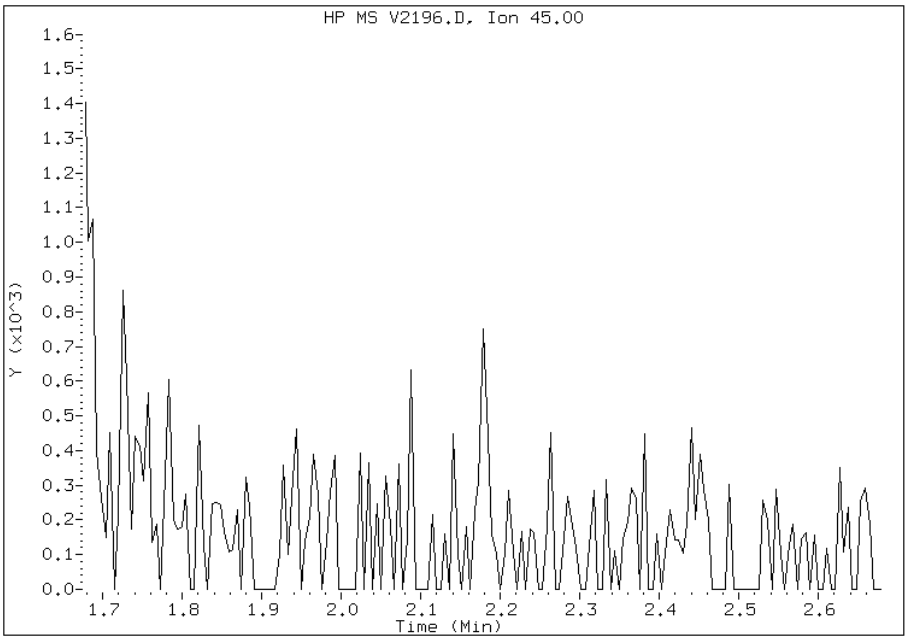
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 18 2-Propanol
CAS #: 67-63-0
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 2.18



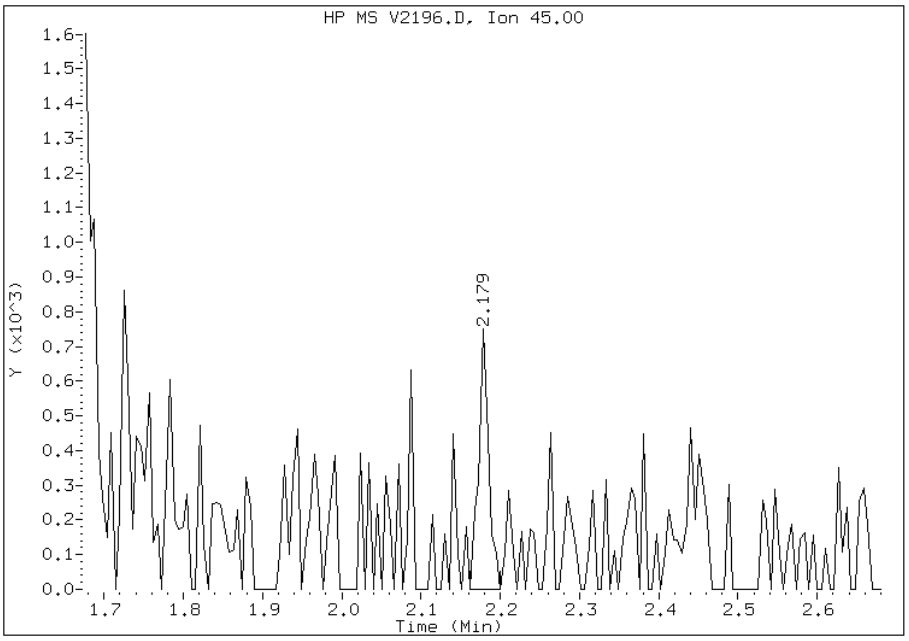
Manual Integration Results

RT: 2.18

Response: 634

Amount: 1

Conc: 1



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

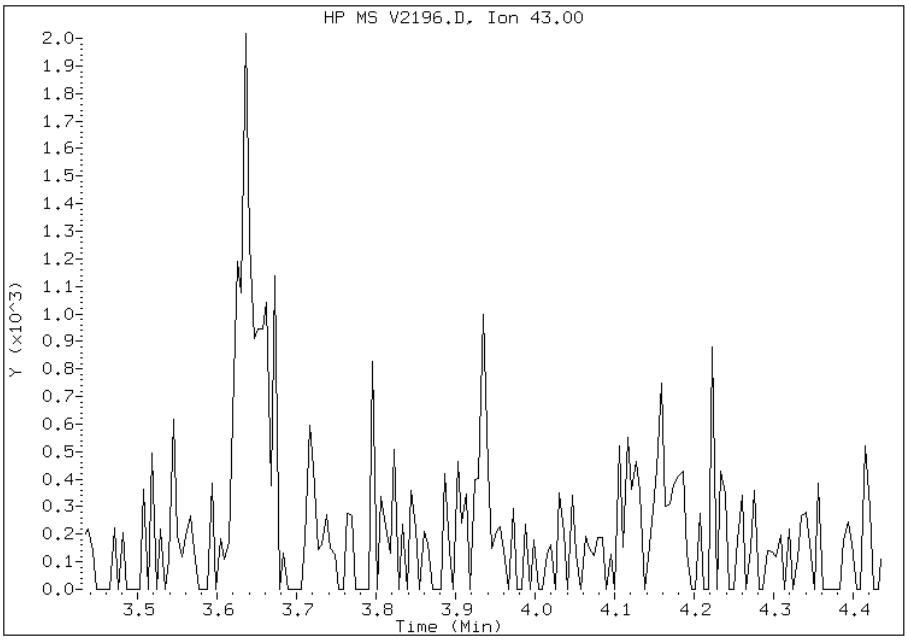
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 39 Ethyl Acetate
CAS #: 141-78-6
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 3.93



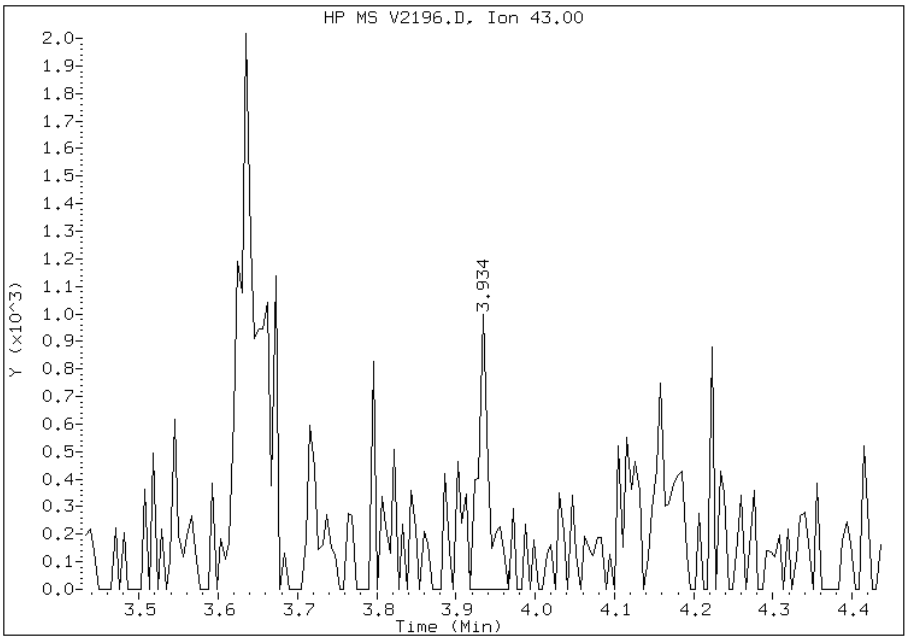
Manual Integration Results

RT: 3.93

Response: 941

Amount: 4

Conc: 4



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

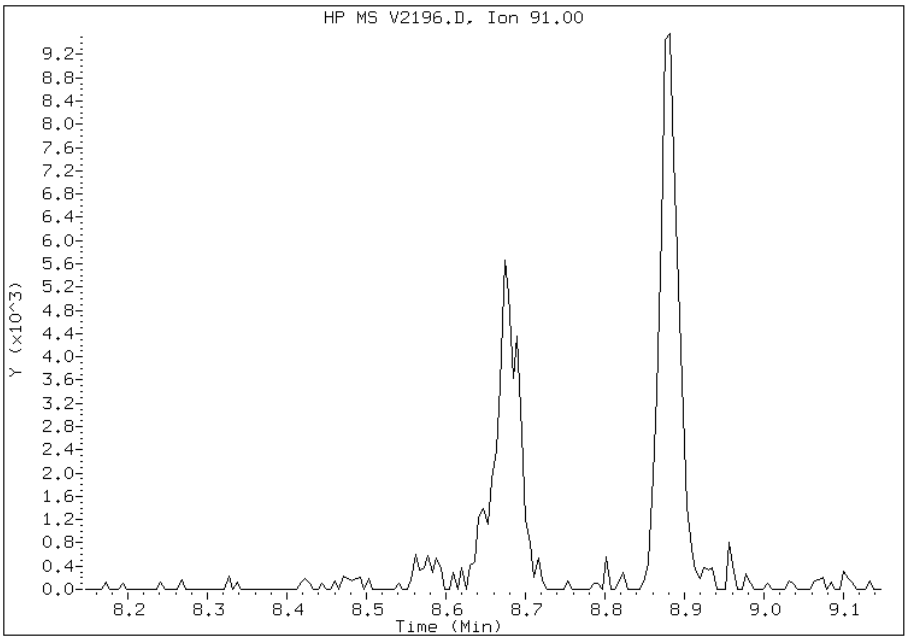
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 87 1-Chlorohexane
CAS #: 544-10-5
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 8.65



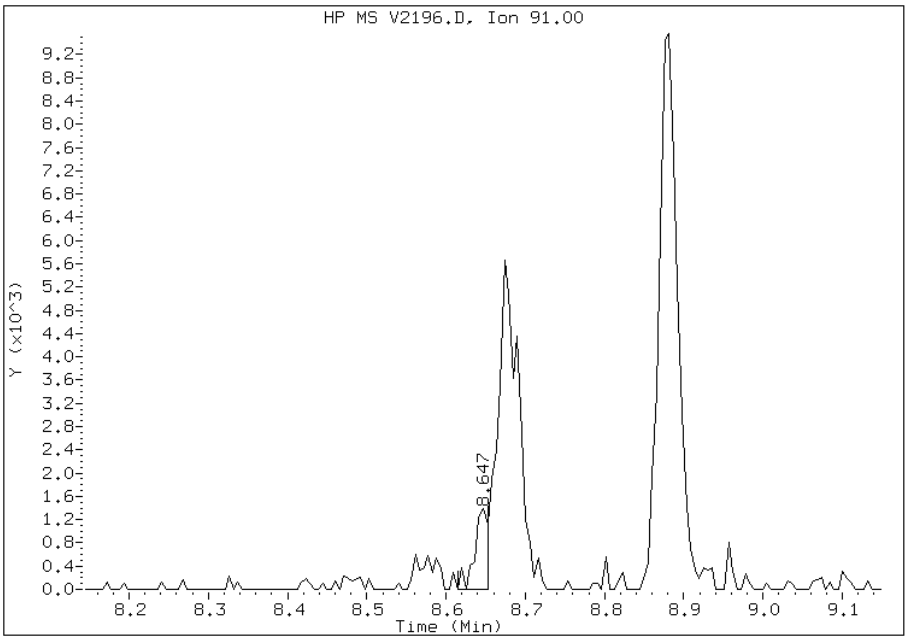
Manual Integration Results

RT: 8.65

Response: 1606

Amount: 4

Conc: 4



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

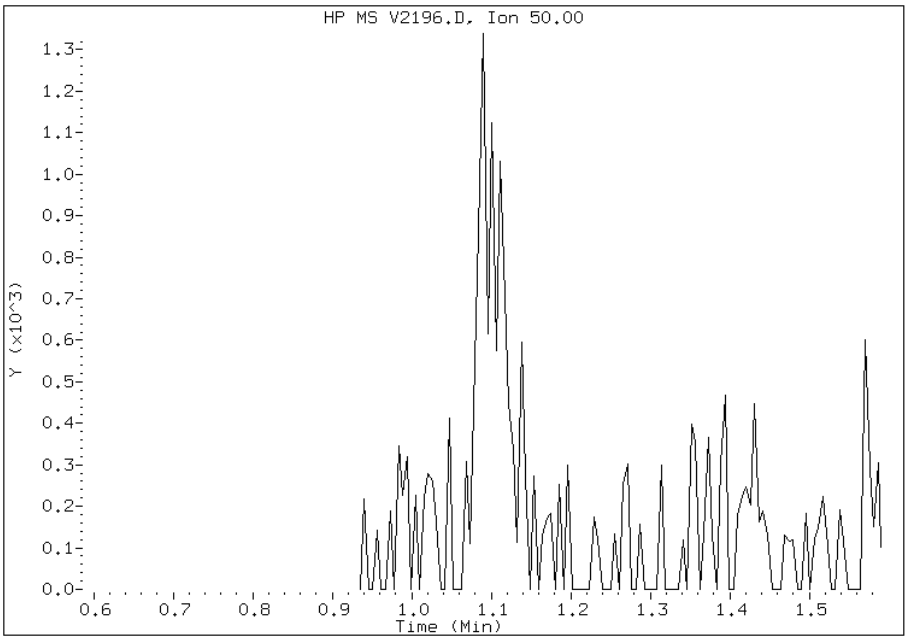
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 3 Chloromethane
CAS #: 74-87-3
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 1.09



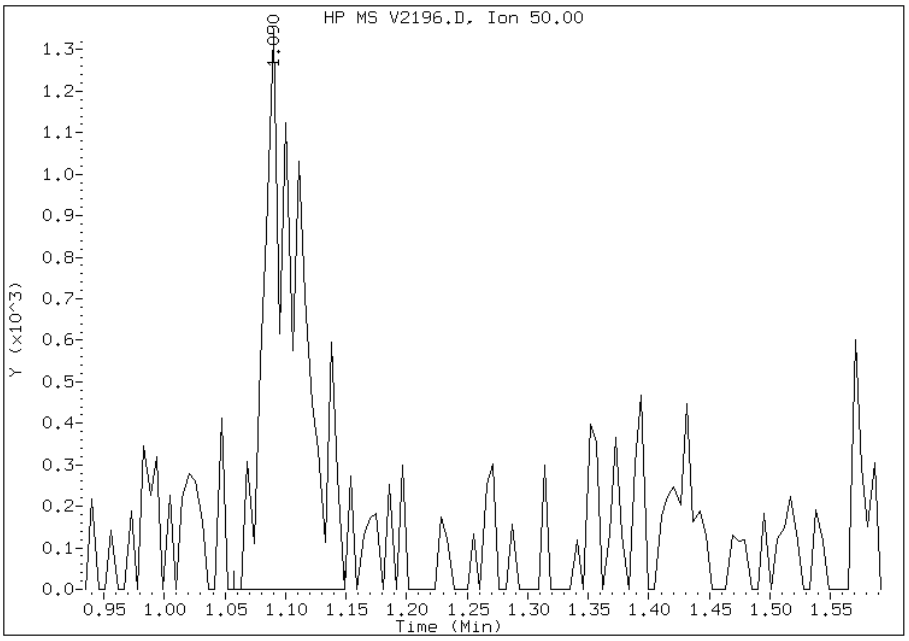
Manual Integration Results

RT: 1.09

Response: 2876

Amount: 1

Conc: 1



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

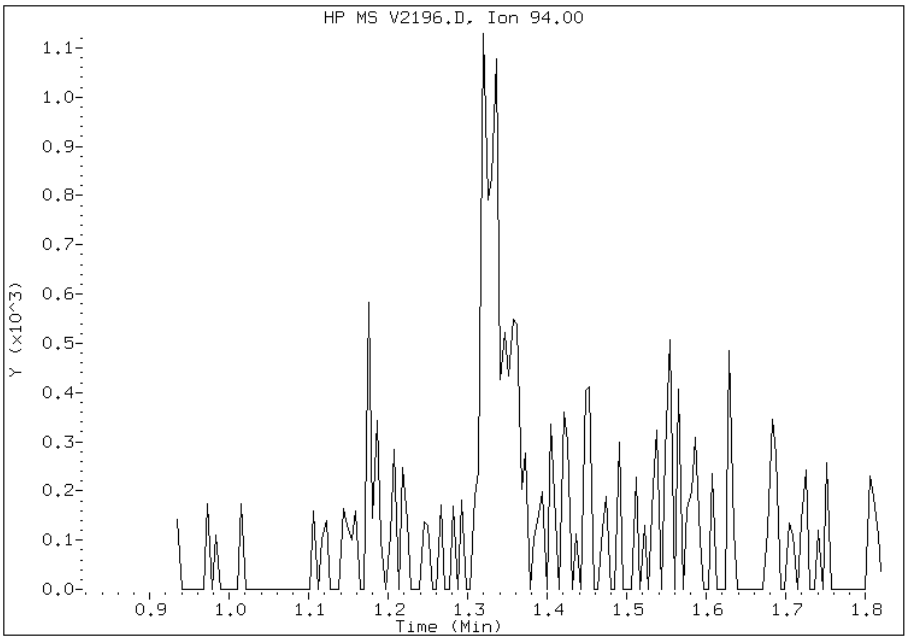
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 5 Bromomethane
CAS #: 74-83-9
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 1.32



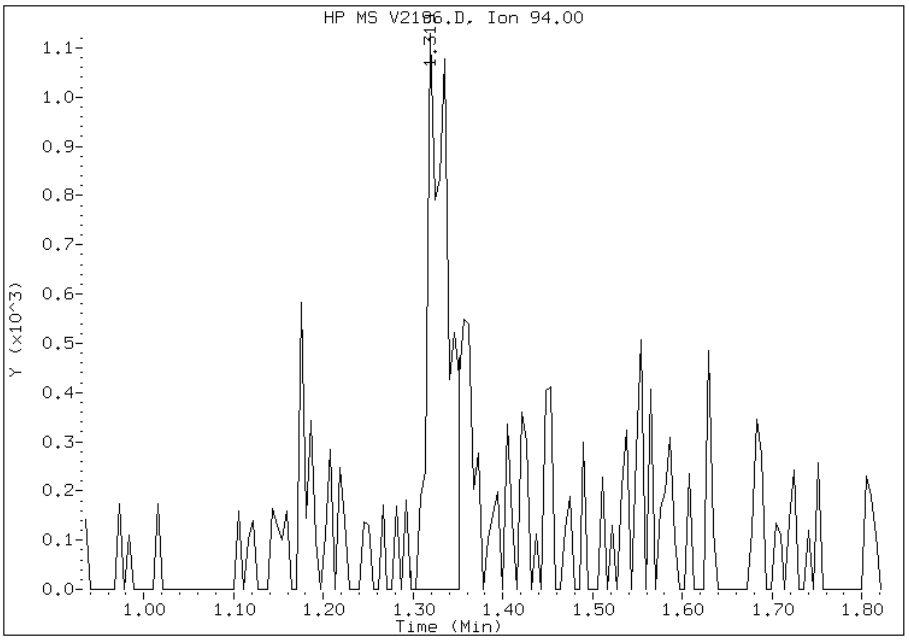
Manual Integration Results

RT: 1.32

Response: 1807

Amount: 1

Conc: 1



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

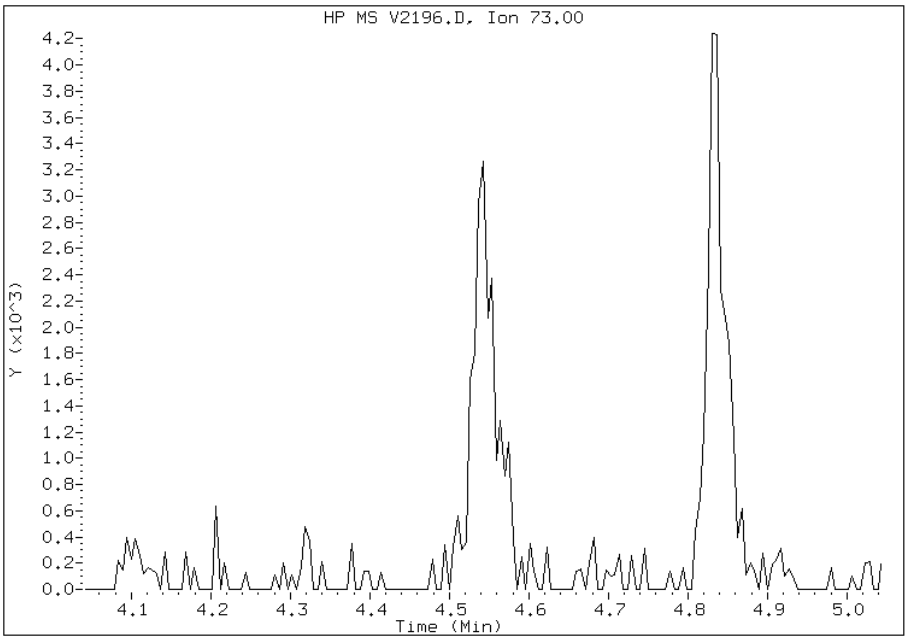
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 47 tert-Amyl methyl ether
CAS #: 994-05-8
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 4.54



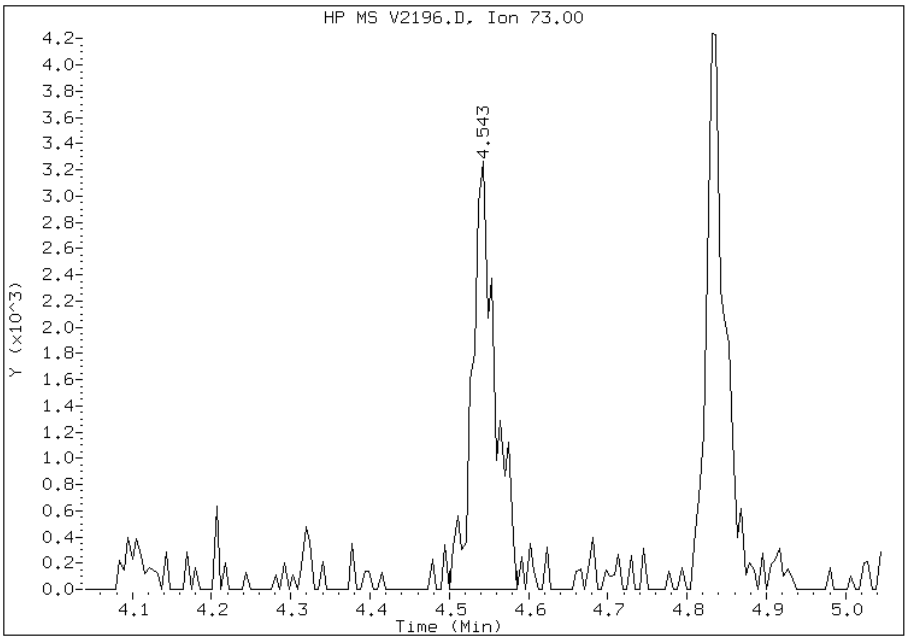
Manual Integration Results

RT: 4.54

Response: 6486

Amount: 0

Conc: 0



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

Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 66 Methyl Methacrylate
CAS #: 80-62-6
Report Date: 07/14/2011

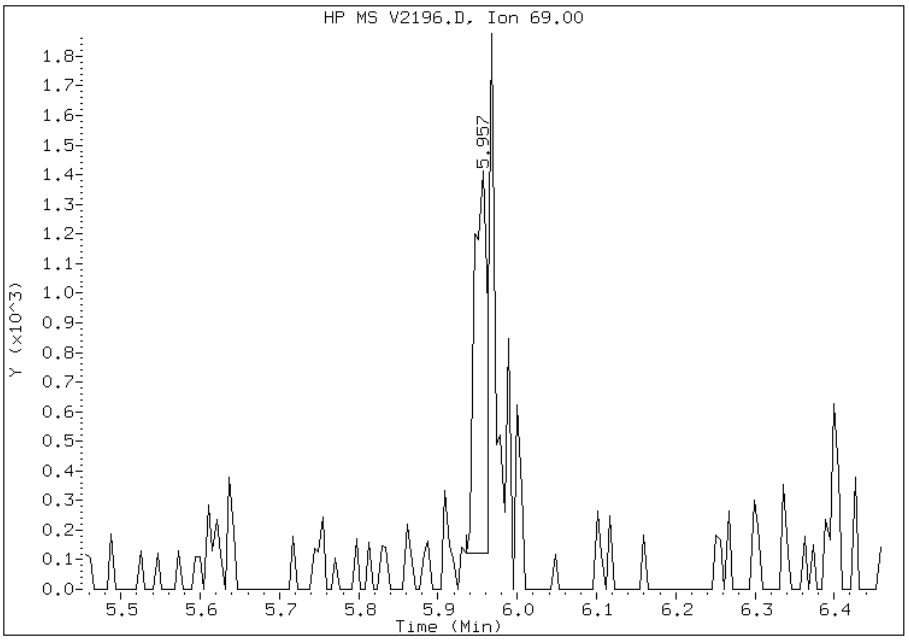
Processing Integration Results

RT: 5.96

Response: 1386

Amount: 0

Conc: 0



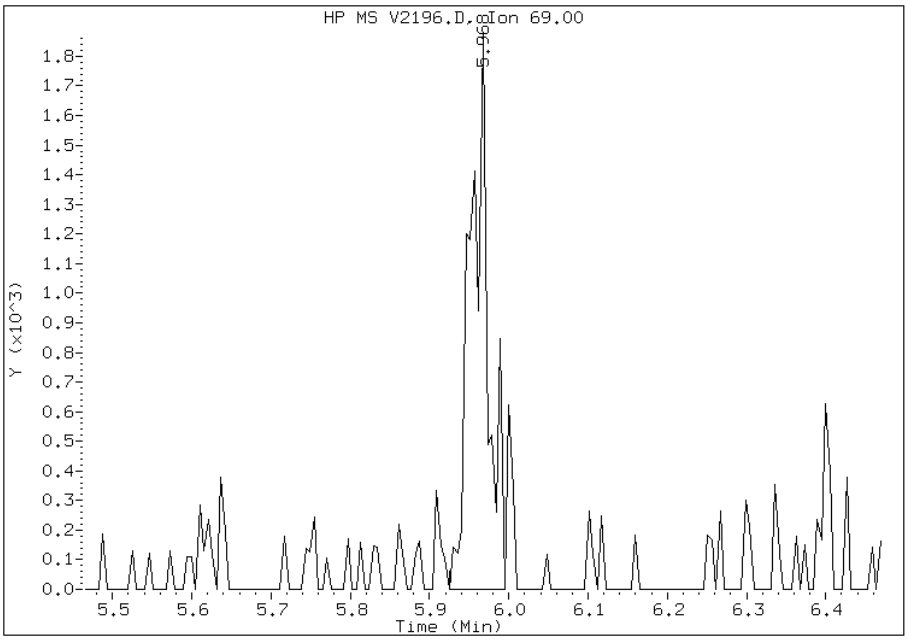
Manual Integration Results

RT: 5.97

Response: 2946

Amount: 2

Conc: 2



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

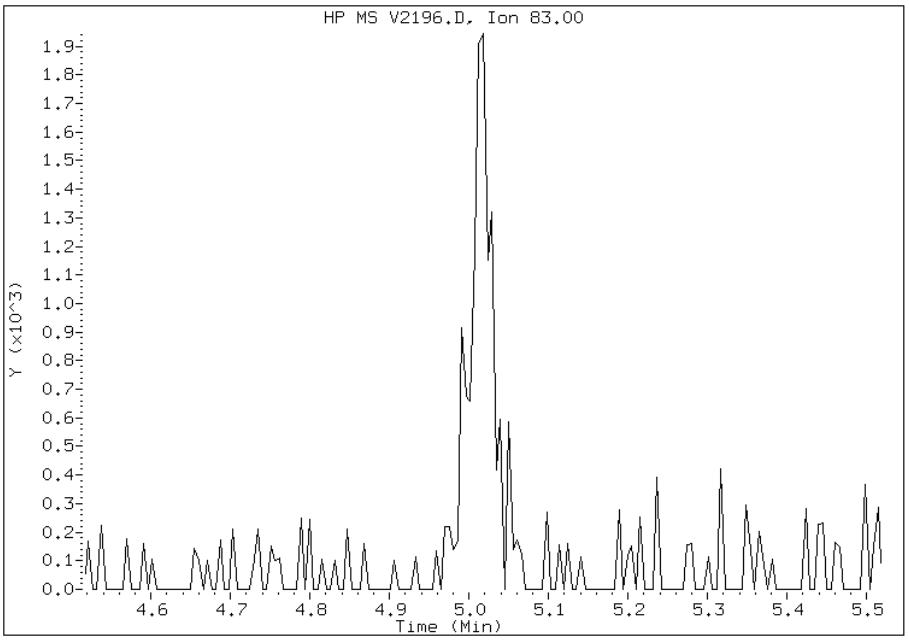
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 59 Methyl Cyclohexane
CAS #: 108-87-2
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 5.02



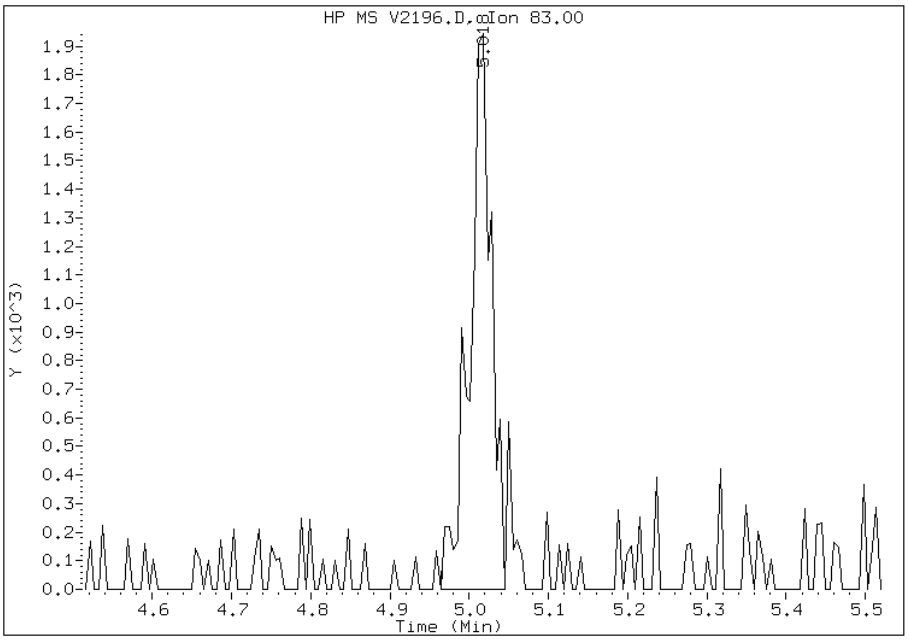
Manual Integration Results

RT: 5.02

Response: 3685

Amount: 0

Conc: 0



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

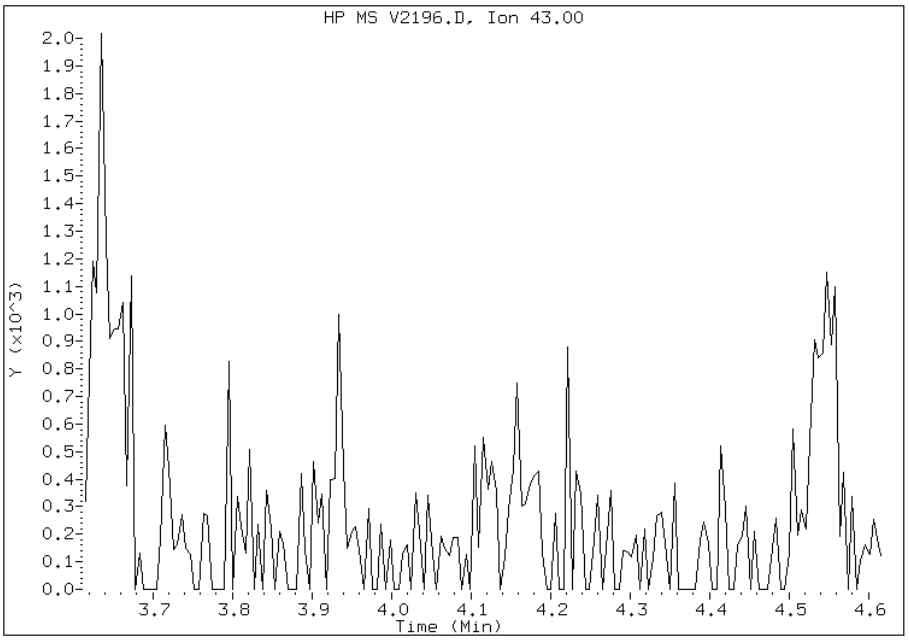
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 45 2-Butanone
CAS #: 78-93-3
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 4.12



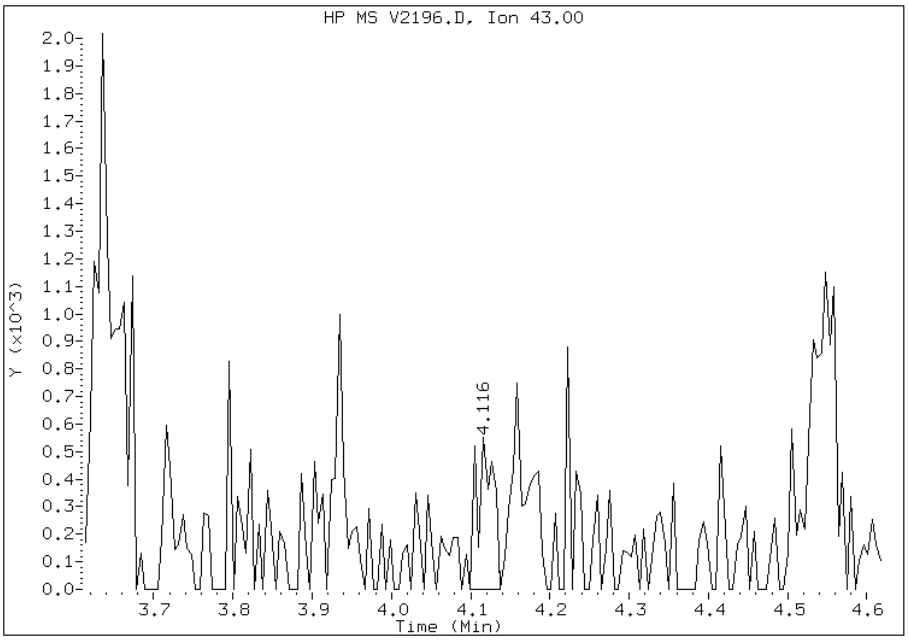
Manual Integration Results

RT: 4.12

Response: 773

Amount: 0

Conc: 0



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

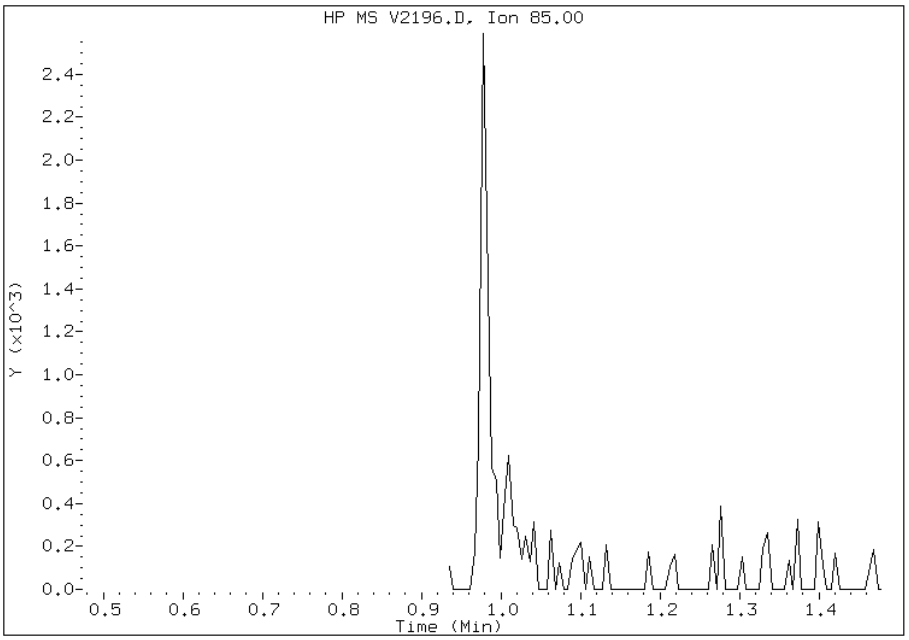
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 2 Dichlorodifluoromethane
CAS #: 75-71-8
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 0.98



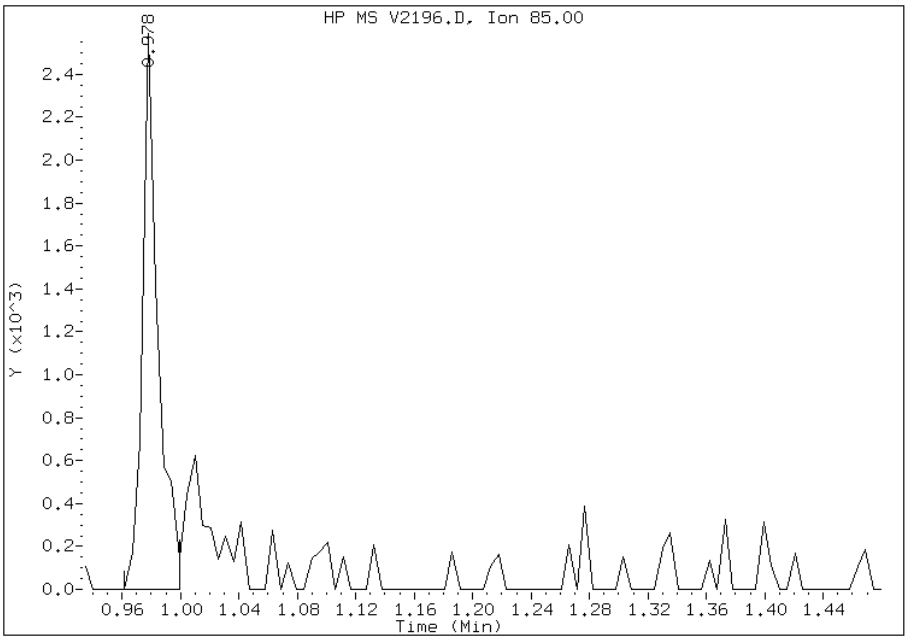
Manual Integration Results

RT: 0.98

Response: 1947

Amount: 0

Conc: 0



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

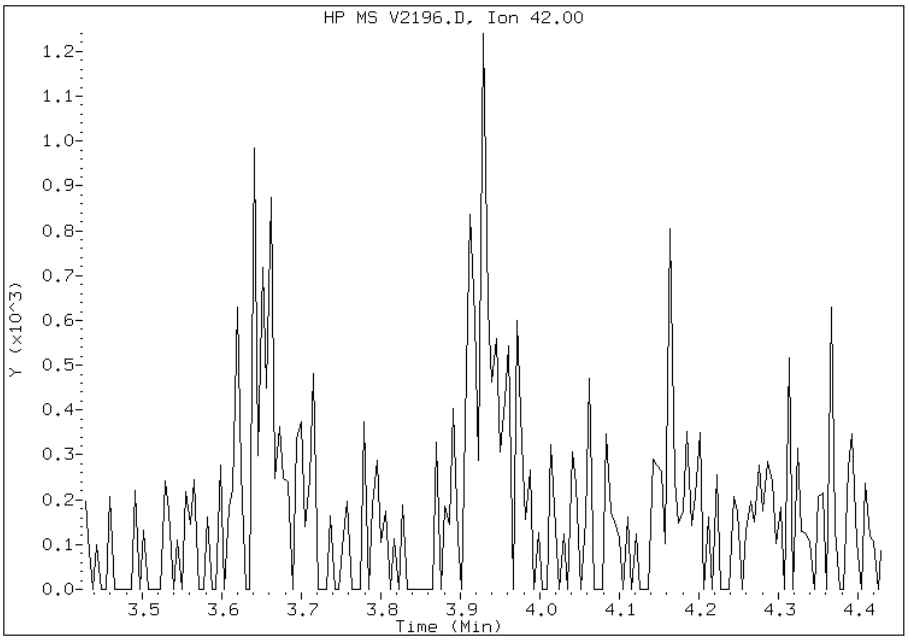
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 42 Tetrahydrofuran
CAS #: 109-99-9
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 3.93



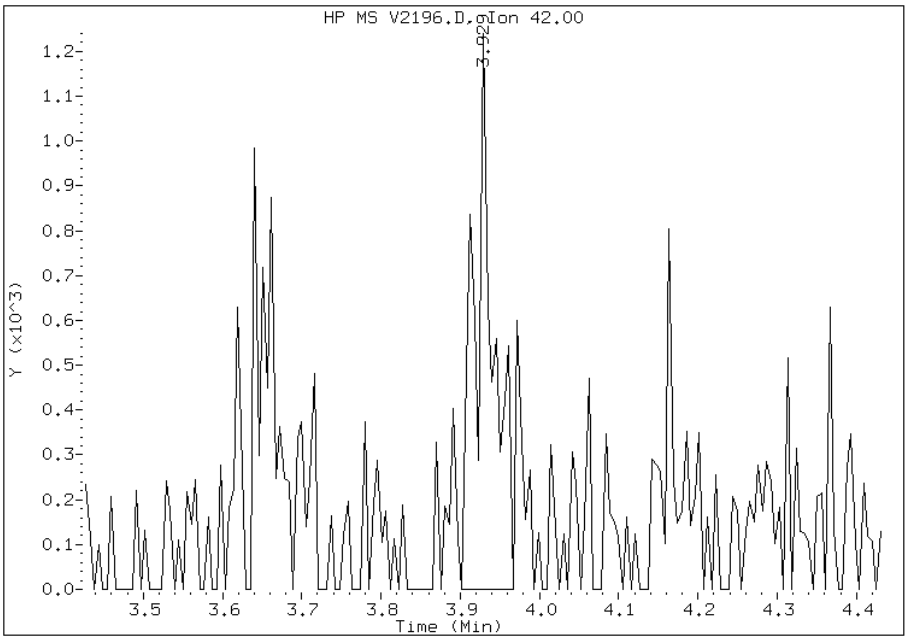
Manual Integration Results

RT: 3.93

Response: 2042

Amount: 1

Conc: 1



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

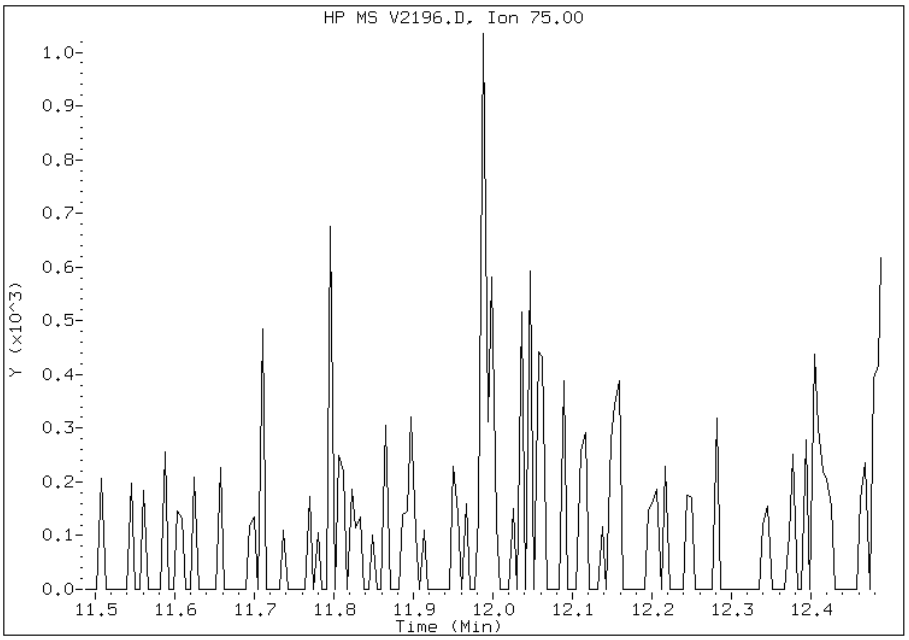
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 119 1,2-Dibromo-3-chloropropane
CAS #: 96-12-8
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 11.99



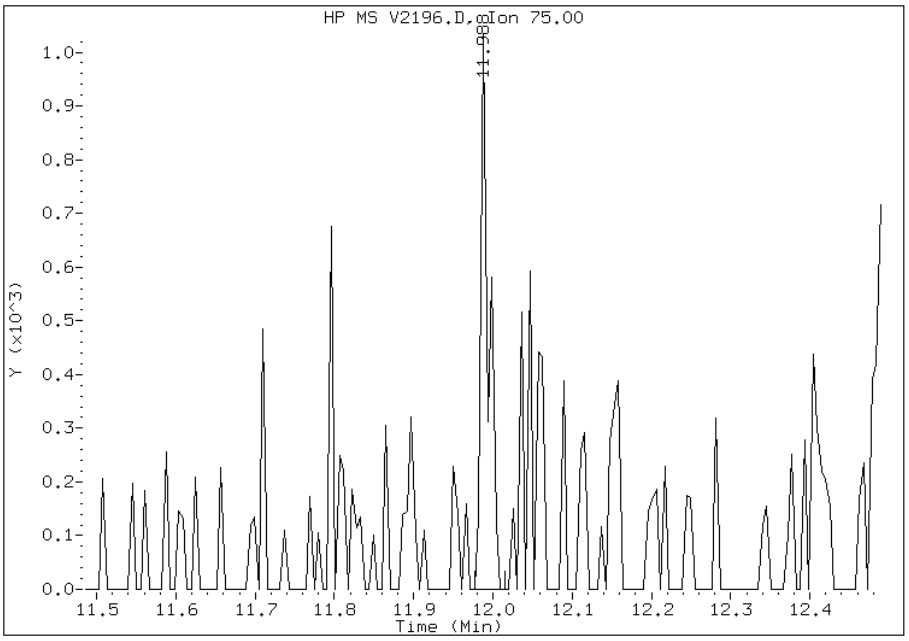
Manual Integration Results

RT: 11.99

Response: 700

Amount: 0

Conc: 0



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

Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 33 cis-1,2-Dichloroethene
CAS #: 156-59-2
Report Date: 07/14/2011

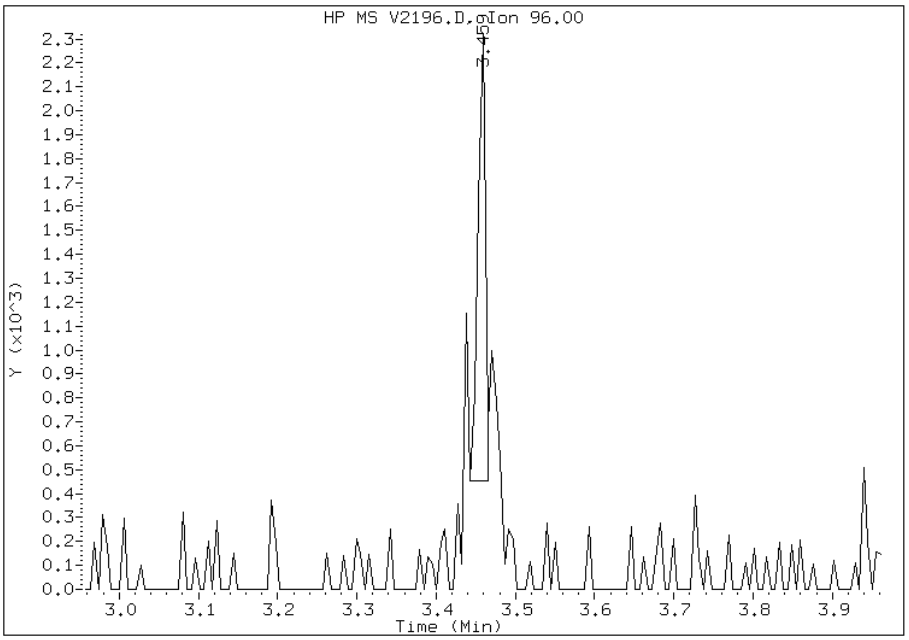
Processing Integration Results

RT: 3.46

Response: 1168

Amount: 0

Conc: 0



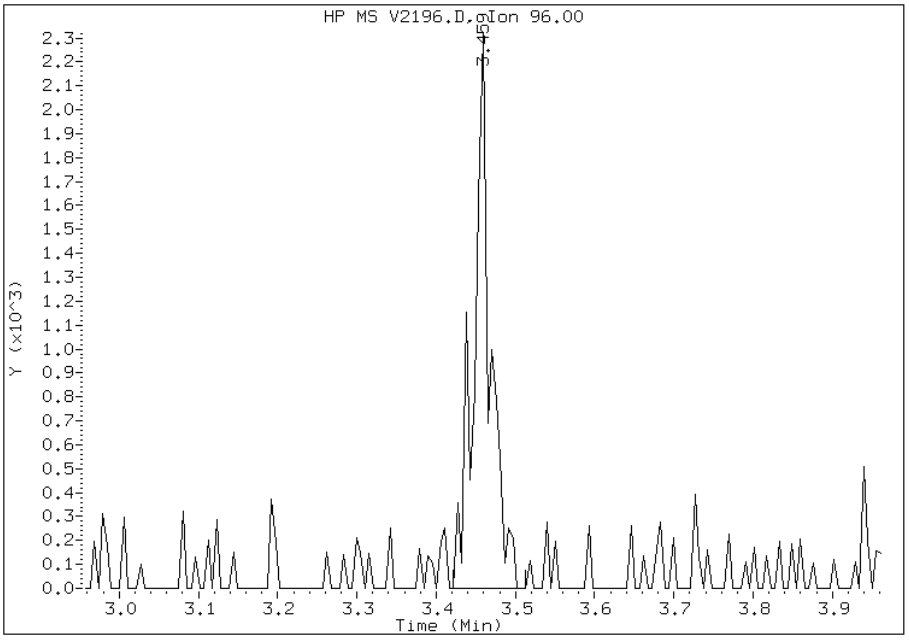
Manual Integration Results

RT: 3.46

Response: 3335

Amount: 1

Conc: 1



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

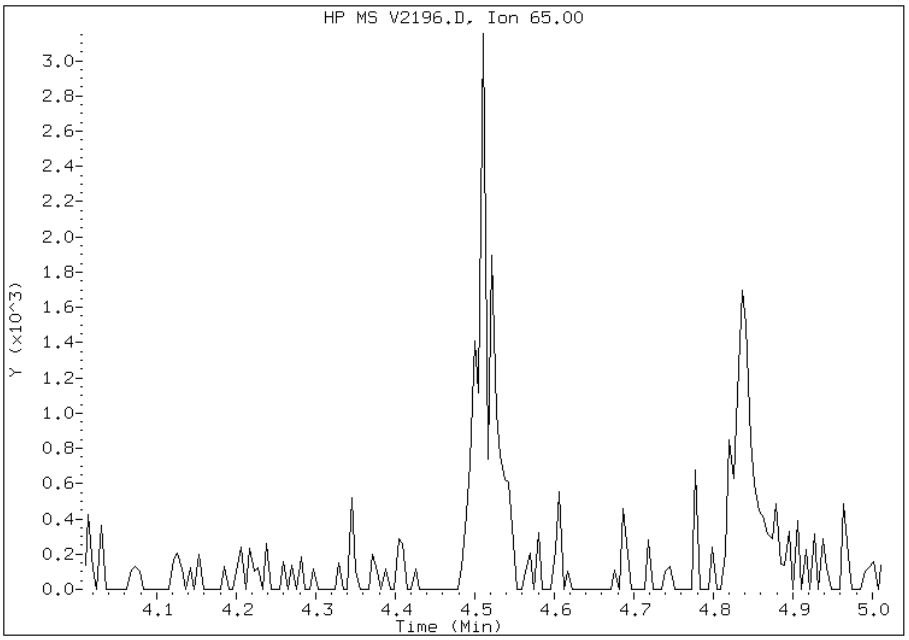
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 55 1,2-Dichloroethane-d4
CAS #: 17060-07-0
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 4.51



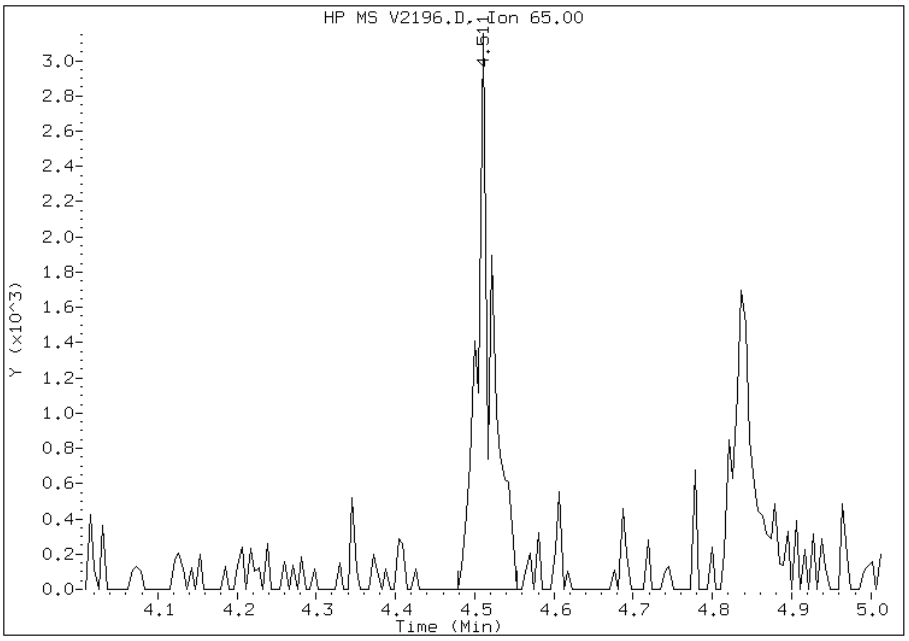
Manual Integration Results

RT: 4.51

Response: 4110

Amount: 1

Conc: 1



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

Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 24 Methyl tert-Butyl Ether
CAS #: 1634-04-4
Report Date: 07/14/2011

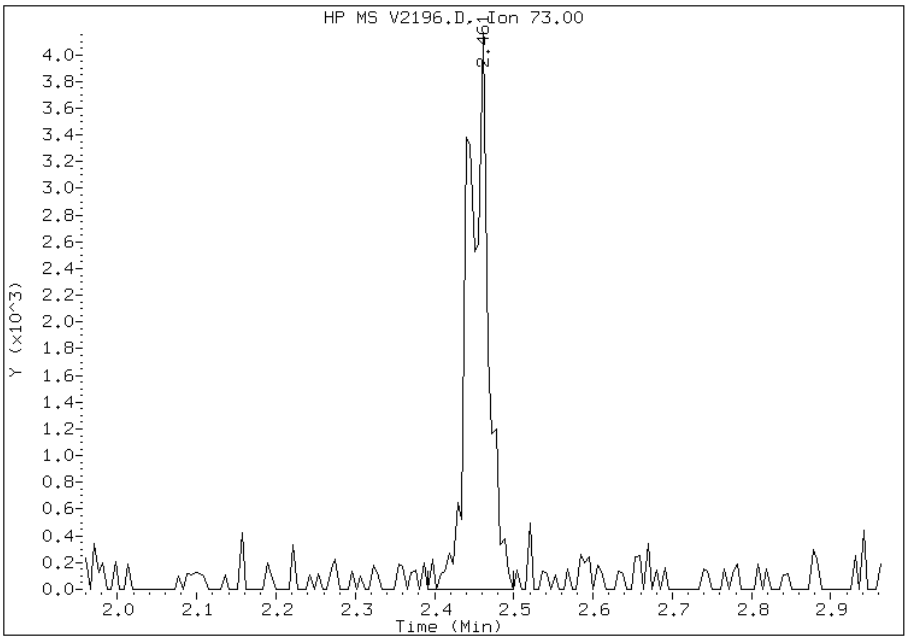
Processing Integration Results

RT: 2.46

Response: 7387

Amount: 0

Conc: 0



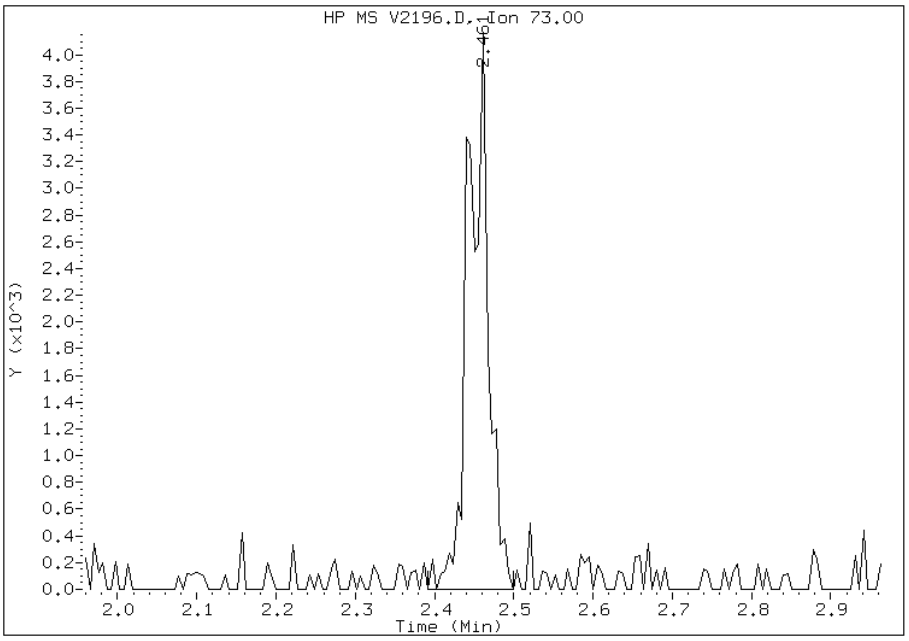
Manual Integration Results

RT: 2.46

Response: 7387

Amount: 0

Conc: 0



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

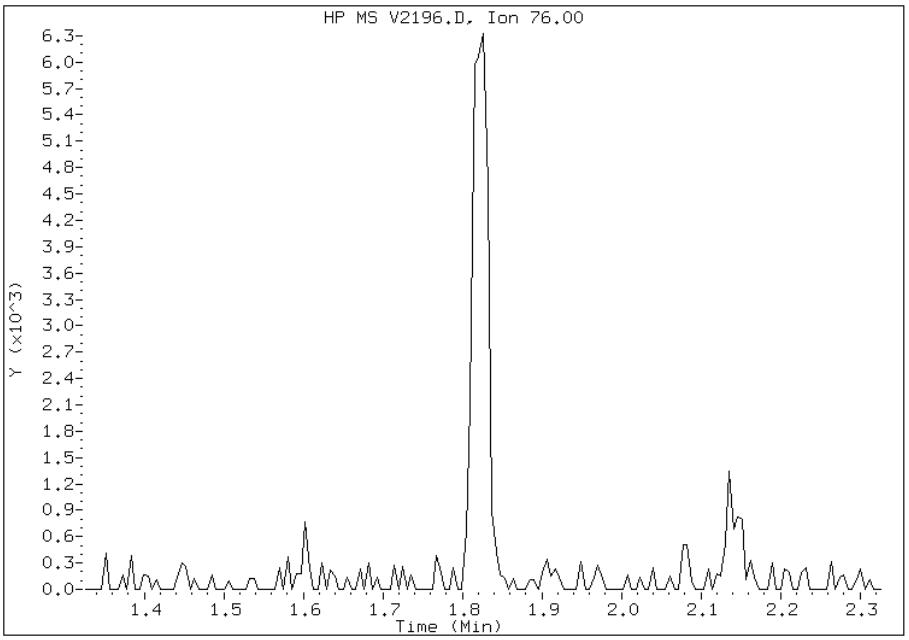
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 15 Carbon Disulfide
CAS #: 75-15-0
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 1.83



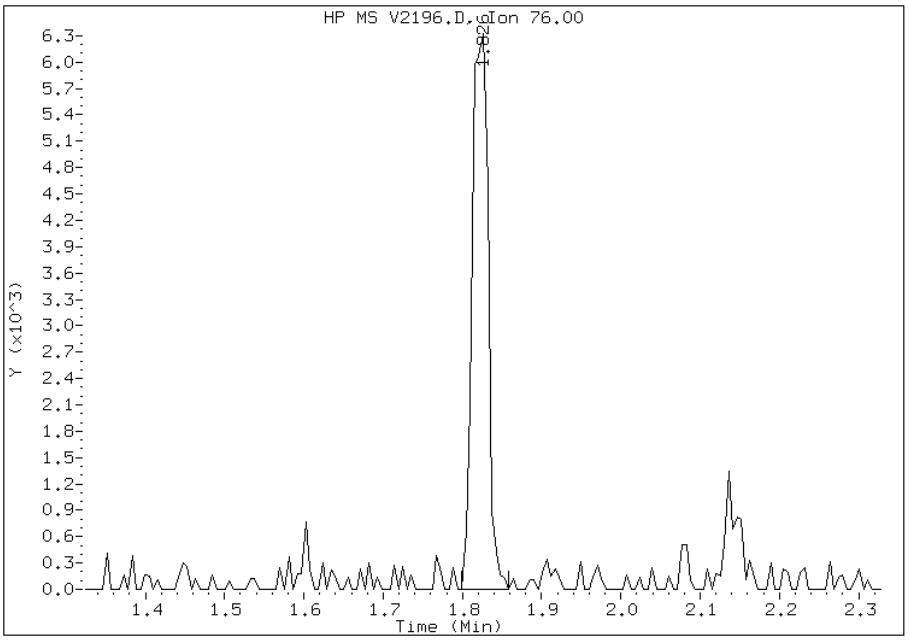
Manual Integration Results

RT: 1.83

Response: 8743

Amount: 1

Conc: 1



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

Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 80 Tetrachloroethene
CAS #: 127-18-4
Report Date: 07/14/2011

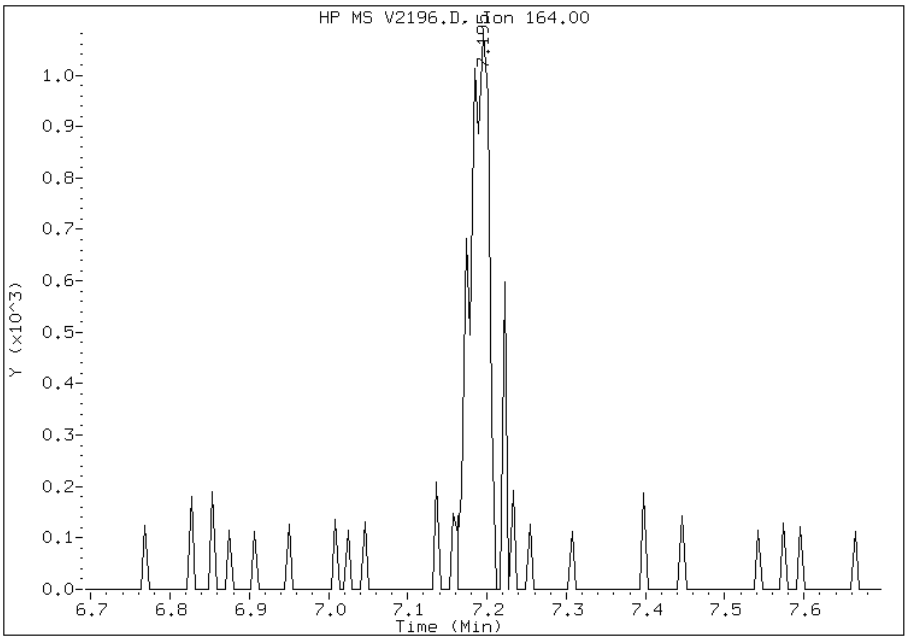
Processing Integration Results

RT: 7.20

Response: 1840

Amount: 0

Conc: 0



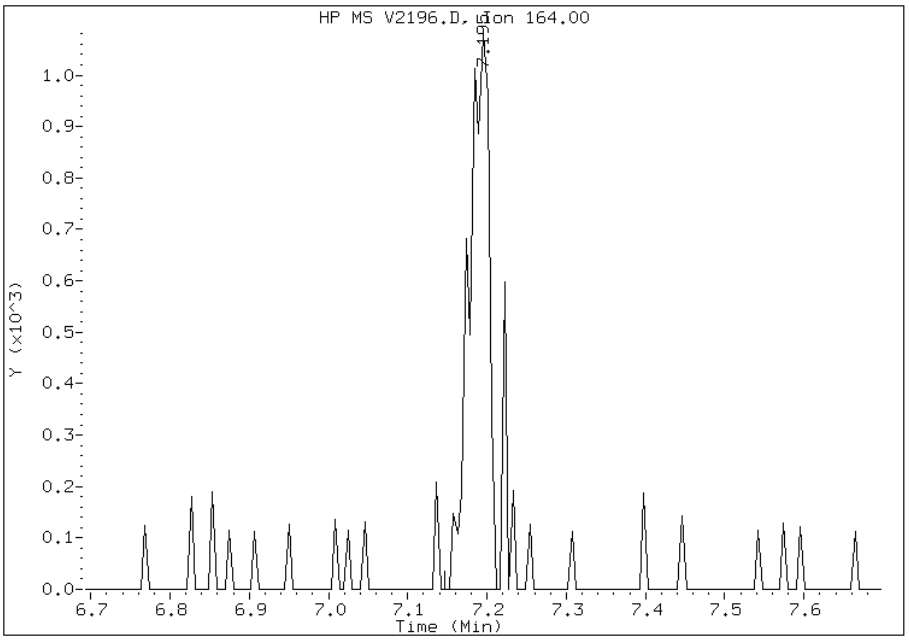
Manual Integration Results

RT: 7.20

Response: 1887

Amount: 0

Conc: 0



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

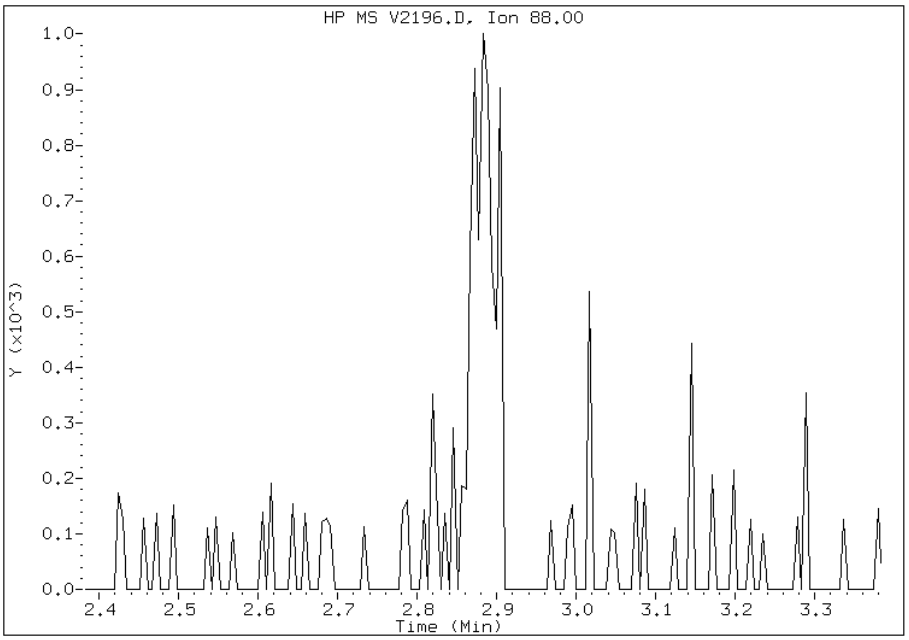
Manual Integration Report

Data File: V2196.D
Inj. Date and Time: 13-JUL-2011 16:47
Instrument ID: msv.i
Client ID: IC;0.5
Compound: 29 2-Chloro-1,3-Butadiene
CAS #: 126-99-8
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 2.88



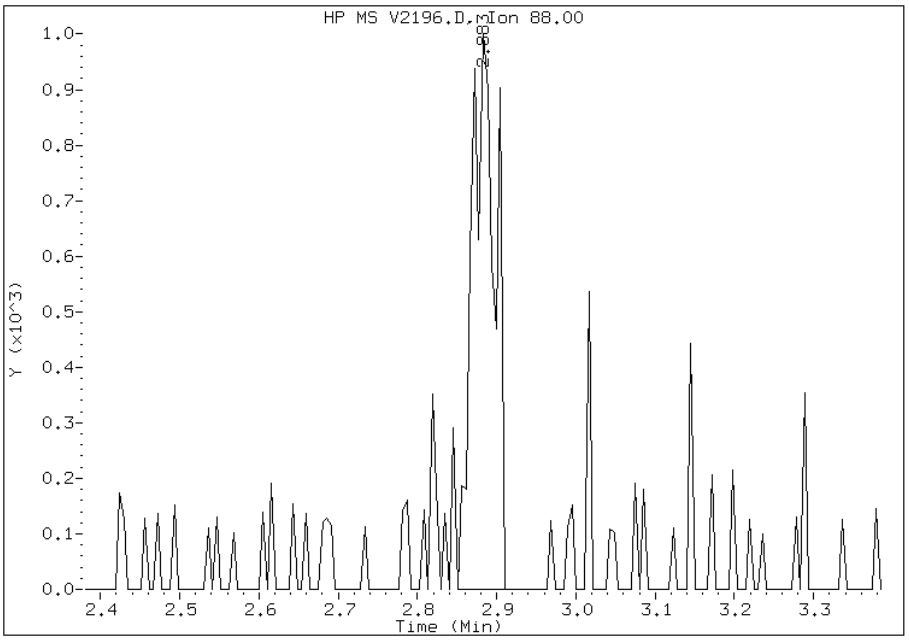
Manual Integration Results

RT: 2.88

Response: 2047

Amount: 0

Conc: 0



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

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab Sample ID: CCVIS 220-52998/1 Calibration Date: 07/18/2011 18:54

Instrument ID: MSL Calib Start Date: 07/14/2011 19:01

GC Column: RTX-VMS ID: 0.18(mm) Calib End Date: 07/14/2011 21:02

Lab File ID: L0397.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1557	0.1589		51.0	50.0	2.0	30.0
Chloromethane	Ave	0.1963	0.1862	0.1000	47.4	50.0	-5.2	30.0
Vinyl chloride	Ave	0.1897	0.1995		52.6	50.0	5.2	20.0
Bromomethane	Lin	0.1235	0.1393		61.3	50.0	22.5	30.0
Chloroethane	Lin	0.1184	0.1286		64.4	50.0	28.9	30.0
Trichlorofluoromethane	Ave	0.2743	0.3069		55.9	50.0	11.9	30.0
Dichlorofluoromethane	Ave	0.3705	0.3923		52.9	50.0	5.9	30.0
Ethyl ether	Ave	0.1094	0.1075		49.1	50.0	-1.8	30.0
Ethanol	Ave	0.0110	0.0109		496	500	-0.8	30.0
1,1-Dichloroethene	Ave	0.1817	0.1974		54.3	50.0	8.6	20.0
1,1,1-Trifluoro-2,2-dichloro ethane	Lin	0.0639	0.0653		48.0	50.0	-3.9	30.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2024	0.2147		53.0	50.0	6.1	30.0
Carbon disulfide	Ave	0.6831	0.6821		49.9	50.0	-0.2	30.0
Isopropyl alcohol	Ave	0.0178	0.0091		25.7	50.1	-48.8*	30.0
Iodomethane	Ave	0.4412	0.4831		54.7	50.0	9.5	30.0
Acrolein	Ave	0.0445	0.0433		243	250	-2.8	30.0
3-Chloro-1-propene	Ave	0.2626	0.2705		51.5	50.0	3.0	30.0
Methylene Chloride	Ave	0.2796	0.2656		47.5	50.0	-5.0	30.0
Acetone	Lin	0.1067	0.0827		42.6	50.0	-14.8	30.0
Methyl acetate	Ave	0.9884	0.9764		49.4	50.0	-1.2	30.0
trans-1,2-Dichloroethene	Ave	0.2358	0.2468		52.3	50.0	4.7	30.0
Methyl tert-butyl ether	Ave	0.8639	0.8213		47.5	50.0	-4.9	30.0
tert-Butyl alcohol	Ave	0.0416	0.0355		213	250	-14.7	30.0
Acetonitrile	Ave	0.0213	0.0225		526	499	5.4	30.0
Isopropyl ether	Ave	0.6638	0.6809		51.3	50.0	2.6	30.0
2-Chloro-1,3-butadiene	Ave	0.2096	0.2092		49.9	50.0	-0.2	30.0
1,1-Dichloroethane	Ave	0.4234	0.4259	0.1000	50.3	50.0	0.6	30.0
Acrylonitrile	Ave	0.0979	0.0981		100	100	0.2	30.0
Tert-butyl ethyl ether	Ave	0.8282	0.8410		50.8	50.0	1.5	30.0
Vinyl acetate	Ave	0.6419	0.6266		48.8	50.0	-2.4	30.0
cis-1,2-Dichloroethene	Ave	0.2808	0.2847		50.7	50.0	1.4	30.0
2,2-Dichloropropane	Ave	0.4004	0.4020		50.2	50.0	0.4	30.0
Bromochloromethane	Ave	0.1784	0.1901		53.3	50.0	6.5	30.0
Cyclohexane	Ave	0.2173	0.2211		50.9	50.0	1.7	30.0
Chloroform	Ave	0.4804	0.4706		49.0	50.0	-2.0	20.0
Ethyl acetate	Ave	0.0169	0.0147		87.1	100	-12.9	30.0
Methyl acrylate	Ave	0.2614	0.2454		46.9	50.0	-6.1	30.0
Carbon tetrachloride	Lin	0.3070	0.3098		47.7	50.0	-4.5	30.0
Tetrahydrofuran	Ave	0.0848	0.0784		92.5	100	-7.5	30.0
1,1,1-Trichloroethane	Ave	0.3560	0.3513		49.3	50.0	-1.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab Sample ID: CCVIS 220-52998/1 Calibration Date: 07/18/2011 18:54

Instrument ID: MSL Calib Start Date: 07/14/2011 19:01

GC Column: RTX-VMS ID: 0.18(mm) Calib End Date: 07/14/2011 21:02

Lab File ID: L0397.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl Ethyl Ketone	Ave	0.1342	0.1143		42.6	50.0	-14.8	30.0
1,1-Dichloropropene	Ave	0.3311	0.3336		50.4	50.0	0.7	30.0
1-Chlorobutane	Ave	0.4122	0.4154		50.4	50.0	0.8	30.0
Benzene	Ave	0.8604	0.8689		50.5	50.0	1.0	30.0
Propionitrile	Ave	0.0413	0.0363		440	500	-12.1	30.0
Methacrylonitrile	Ave	0.1759	0.1631		46.4	50.0	-7.3	30.0
Tert-amyl methyl ether	Ave	0.8050	0.8044		50.0	50.0	-0.0	30.0
1,2-Dichloroethane	Ave	0.4151	0.4048		48.8	50.0	-2.5	30.0
Isobutyl alcohol	Ave	0.0072	0.0055		377	499	-24.6	30.0
Methylcyclohexane	Ave	0.2173	0.1865		42.9	50.0	-14.2	30.0
Trichloroethene	Ave	0.2909	0.3002		51.6	50.0	3.2	30.0
Dibromomethane	Ave	0.2037	0.2013		49.4	50.0	-1.2	30.0
1,2-Dichloropropane	Ave	0.2258	0.2298		50.9	50.0	1.8	20.0
Bromodichloromethane	Ave	0.3805	0.3647		47.9	50.0	-4.2	30.0
Methyl methacrylate	Ave	0.2283	0.2143		46.9	50.0	-6.2	30.0
1,4-Dioxane	Ave	0.0023	0.0016		293	499	-29.6	30.0
2-Chloroethyl vinyl ether	Ave	0.1922	0.1930		50.1	49.9	0.4	30.0
cis-1,3-Dichloropropene	Ave	0.4396	0.4383		49.9	50.0	-0.3	30.0
Toluene	Ave	0.9031	0.8684		48.1	50.0	-3.8	20.0
Chloroacetonitrile	Lin	0.0093	0.0089		488	500	-2.4	30.0
2-Nitropropane	Ave	0.1027	0.0898		87.5	100	-12.5	30.0
1,1-Dichloro-2-propanone	Ave	0.1592	0.1385		218	250	-13.0	30.0
Tetrachloroethene	Ave	0.2068	0.1922		46.5	50.0	-7.0	30.0
methyl isobutyl ketone	Ave	0.2802	0.2372		42.3	50.0	-15.3	30.0
trans-1,3-Dichloropropene	Ave	0.4472	0.4441		49.6	50.0	-0.7	30.0
1,1,2-Trichloroethane	Ave	0.2488	0.2420		48.6	50.0	-2.8	30.0
Ethyl methacrylate	Ave	0.3541	0.3233		45.7	50.0	-8.7	30.0
Dibromochloromethane	Ave	0.3698	0.3421		46.3	50.0	-7.5	30.0
1,3-Dichloropropane	Ave	0.4335	0.4037		46.6	50.0	-6.9	30.0
1,2-Dibromoethane	Ave	0.3238	0.3026		46.7	50.0	-6.6	30.0
2-Hexanone	Ave	0.2078	0.1667		40.1	50.0	-19.8	30.0
Chlorobenzene	Ave	0.6637	0.6419	0.3000	48.4	50.0	-3.3	30.0
1-Chlorohexane	Ave	0.2394	0.2929		61.2	50.0	22.4	30.0
Ethylbenzene	Ave	0.2945	0.2885		49.0	50.0	-2.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2851	0.2721		47.7	50.0	-4.5	30.0
m&p-Xylene	Ave	0.3614	0.3491		96.6	100	-3.4	30.0
o-Xylene	Ave	0.3685	0.3520		47.8	50.0	-4.5	30.0
Bromoform	Ave	0.2679	0.2397	0.1000	44.7	50.0	-10.5	30.0
Styrene	Ave	0.6523	0.6177		47.3	50.0	-5.3	30.0
Isopropylbenzene	Ave	1.344	1.240		46.1	50.0	-7.8	30.0
Bromobenzene	Ave	0.6494	0.6132		47.2	50.0	-5.6	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab Sample ID: CCVIS 220-52998/1 Calibration Date: 07/18/2011 18:54

Instrument ID: MSL Calib Start Date: 07/14/2011 19:01

GC Column: RTX-VMS ID: 0.18(mm) Calib End Date: 07/14/2011 21:02

Lab File ID: L0397.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	1.560	1.451		46.5	50.0	-7.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6994	0.6185	0.3000	44.2	50.0	-11.6	30.0
4-Ethyltoluene	Ave	1.386	1.265		45.7	50.0	-8.7	30.0
2-Chlorotoluene	Ave	1.240	1.130		45.6	50.0	-8.9	30.0
1,2,3-Trichloropropane	Ave	0.2224	0.1962		44.1	50.0	-11.8	30.0
1,3,5-Trimethylbenzene	Ave	1.116	1.061		47.5	50.0	-4.9	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1857	0.1723		92.8	100	-7.2	30.0
4-Chlorotoluene	Ave	1.197	1.115		46.5	50.0	-6.9	30.0
tert-Butylbenzene	Ave	0.9392	0.8433		44.9	50.0	-10.2	30.0
1,2,4-Trimethylbenzene	Ave	1.206	1.111		46.1	50.0	-7.9	30.0
sec-Butylbenzene	Ave	1.307	1.132		43.3	50.0	-13.4	30.0
4-Isopropyltoluene	Ave	1.155	1.006		43.5	50.0	-12.9	30.0
1,3-Dichlorobenzene	Ave	0.9208	0.8302		45.1	50.0	-9.8	30.0
1,4-Dichlorobenzene	Ave	0.9626	0.8880		46.1	50.0	-7.8	30.0
p-Diethylbenzene	Ave	0.2982	0.2646		44.4	50.0	-11.3	30.0
Benzyl chloride	Ave	0.2835	0.2732		48.2	50.0	-3.6	30.0
n-Butylbenzene	Ave	1.267	0.8465		33.4	50.0	-33.2*	30.0
1,2-Dichlorobenzene	Ave	0.9334	0.8371		44.8	50.0	-10.3	30.0
1,2,4,5-Tetramethylbenzene	Ave	0.5872	0.4925		41.9	50.0	-16.1	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1570	0.1211		38.6	50.0	-22.8	30.0
Nitrobenzene	Ave	0.0862	0.0466		271	500	-45.9*	30.0
Hexachlorobutadiene	Ave	0.2312	0.1138		24.6	50.0	-50.8*	30.0
1,2,4-Trichlorobenzene	Ave	0.5251	0.3890		37.0	50.0	-25.9	30.0
Naphthalene	Ave	1.932	1.369		35.4	50.0	-29.1	30.0
1,2,3-Trichlorobenzene	Ave	0.5172	0.3735		36.1	50.0	-27.8	30.0
Dibromofluoromethane	Ave	0.3064	0.2214		18.1	25.0	-27.8	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3641	0.2536		17.4	25.0	-30.4*	30.0
Toluene-d8 (Surr)	Ave	0.8438	0.6084		18.0	25.0	-27.9	30.0
4-Bromofluorobenzene	Ave	0.5972	0.4042		16.9	25.0	-32.3*	30.0

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msl.i\L110397.b\L0397.D
Lab Smp Id: CCVIS-632365 Client Smp ID: CCVIS-632365
Inj Date : 18-JUL-2011 18:54 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : CCVIS-632365
Misc Info : LLW
Comment :
Method : \\consvr05\files\Chem\VOA\msl.i\L110397.b\L8260BNW.m
Meth Date : 26-Jul-2011 16:52 msl.i Quant Type: ISTD
Cal Date : 14-JUL-2011 20:38 Cal File: L0371.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	4.069	4.069	(1.000)	337651	25.0000	
2	Dichlorodifluoromethane	85	0.950	0.950	(0.234)	107281	50.0000	51
3	Chloromethane	50	1.049	1.049	(0.258)	125726	50.0000	47
4	Vinyl Chloride	62	1.078	1.078	(0.265)	134752	50.0000	52
5	Bromomethane	94	1.216	1.216	(0.299)	94034	50.0000	61
6	Chloroethane	64	1.275	1.275	(0.313)	86839	50.0000	64
7	Trichlorofluoromethane	101	1.334	1.334	(0.328)	207225	50.0000	56
8	Dichlorofluoromethane	67	1.354	1.354	(0.333)	264913	50.0000	53
9	Ethyl Ether	45	1.462	1.462	(0.359)	72599	50.0000	49
10	Ethanol	45	1.521	1.521	(0.374)	73389	500.000	500
12	Freon 123	67	1.580	1.580	(0.388)	44066	50.0000	48
13	Trichlorotrifluoroethane	101	1.580	1.580	(0.388)	144965	50.0000	53
14	1,1-Dichloroethene	96	1.570	1.570	(0.386)	133309	50.0000	54
15	Carbon Disulfide	76	1.600	1.600	(0.393)	460589	50.0000	50
16	Iodomethane	142	1.659	1.659	(0.408)	326202	50.0000	55
17	Acrolein	56	1.738	1.738	(0.427)	146342	250.000	240
18	2-Propanol	45	1.600	1.600	(0.393)	6175	50.0000	26
19	3-Chloro-1-Propene	41	1.806	1.806	(0.444)	182662	50.0000	51
20	Methylene Chloride	84	1.865	1.865	(0.458)	179390	50.0000	47
21	Acetone	43	1.885	1.885	(0.463)	55839	50.0000	43
22	trans-1,2-Dichloroethene	96	1.954	1.954	(0.480)	166652	50.0000	52
23	Methyl Acetate	43	1.954	1.954	(0.480)	659368	50.0000	49
24	Methyl tert-Butyl Ether	73	2.003	2.003	(0.492)	554640	50.0000	48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	25 tert-Butyl alcohol	59	2.052	2.052	(0.504)	119696	250.000	210
	26 Acetonitrile	41	2.170	2.170	(0.533)	151391	500.000	520
	27 Isopropyl ether	45	2.229	2.229	(0.548)	459836	50.0000	51
	28 tert-Butyl ethyl ether	59	2.485	2.485	(0.611)	567931	50.0000	51
	29 2-Chloro-1,3-Butadiene	88	2.328	2.328	(0.572)	141247	50.0000	50
	30 Acrylonitrile	53	2.377	2.377	(0.584)	132545	100.000	100
	31 1,1-Dichloroethane	63	2.338	2.338	(0.575)	287592	50.0000	50
	32 Vinyl Acetate	43	2.505	2.505	(0.616)	422818	50.0000	49
	33 cis-1,2-Dichloroethene	96	2.741	2.741	(0.674)	192243	50.0000	51
	34 2,2-Dichloropropane	77	2.830	2.830	(0.695)	271435	50.0000	50
	35 Bromochloromethane	128	2.908	2.908	(0.715)	128356	50.0000	53
	37 Cyclohexane	84	2.908	2.908	(0.715)	149308	50.0000	51
	38 Chloroform	83	2.977	2.977	(0.732)	317781	50.0000	49
	39 Ethyl Acetate	43	3.085	3.085	(0.758)	19891	100.000	87
	40 Methyl Acrylate	55	3.095	3.095	(0.761)	165708	50.0000	47
$	41 Dibromofluoromethane	111	3.145	3.145	(0.773)	74745	50.0000	18
	42 Tetrahydrofuran	42	3.115	3.115	(0.766)	105857	100.000	92
	43 Carbon Tetrachloride	117	3.105	3.105	(0.763)	209176	50.0000	48
	44 1,1,1-Trichloroethane	97	3.164	3.164	(0.778)	237204	50.0000	49
	45 2-Butanone	43	3.263	3.263	(0.802)	77217	50.0000	43
	46 1,1-Dichloropropene	75	3.292	3.292	(0.809)	225250	50.0000	50
	47 tert-Amyl methyl ether	73	3.695	3.695	(0.908)	543220	50.0000	50
	49 1-Chlorobutane	56	3.341	3.341	(0.821)	280515	50.0000	50
	50 Heptane	43	3.695	3.695	(0.908)	155649	50.0000	48
	51 Propionitrile	54	3.587	3.587	(0.882)	245136	500.000	440
	52 Benzene	78	3.558	3.558	(0.874)	586790	50.0000	50
	53 2-Methyl-2-Propenenitrile	41	3.607	3.607	(0.886)	110130	50.0000	46
	54 Isobutyl alcohol	42	3.853	3.853	(0.947)	36775	500.000	380
$	55 1,2-Dichloroethane-d4	65	3.715	3.715	(0.913)	85616	50.0000	17
	56 1,2-Dichloroethane	62	3.794	3.794	(0.932)	273360	50.0000	49
	59 Methyl Cyclohexane	83	4.266	4.266	(1.048)	125935	50.0000	43
	60 Trichloroethene	130	4.286	4.286	(1.053)	202719	50.0000	52
	63 Dibromomethane	93	4.788	4.788	(1.176)	135928	50.0000	49
	64 1,2-Dichloropropane	63	4.906	4.906	(1.205)	155204	50.0000	51
	65 Bromodichloromethane	83	5.004	5.004	(1.230)	246253	50.0000	48
	66 Methyl Methacrylate	69	5.221	5.221	(1.283)	144709	50.0000	47
	67 1,4-Dioxane	58	5.230	5.230	(1.285)	10817	500.000	290
	69 2-Chloroethylvinylether	63	5.663	5.663	(1.392)	130134	50.0000	50
	70 cis-1,3-Dichloropropene	75	5.693	5.693	(1.399)	296015	50.0000	50
	71 Chloroacetonitrile	48	6.116	6.116	(1.503)	60320	500.000	490
	72 2-Nitropropane	41	6.175	6.175	(1.517)	121305	100.000	87
	73 trans-1,3-Dichloropropene	75	6.372	6.372	(1.566)	299871	50.0000	50
	74 1,1,2-Trichloroethane	97	6.519	6.519	(1.602)	163388	50.0000	49
*	75 Chlorobenzene-d5	117	7.375	7.375	(1.000)	350538	25.0000	
	76 Toluene	91	5.939	5.939	(0.805)	608826	50.0000	48
$	77 Toluene-d8	98	5.880	5.880	(0.797)	213282	50.0000	18
	78 1,1-Dichloro-2-propanone	43	6.185	6.185	(0.839)	485646	250.000	220
	79 4-Methyl-2-Pentanone	43	6.342	6.342	(0.860)	166285	50.0000	42
	80 Tetrachloroethene	164	6.313	6.313	(0.856)	134761	50.0000	46
	81 Ethyl Methacrylate	69	6.568	6.568	(0.891)	226661	50.0000	46
	82 Dibromochloromethane	129	6.687	6.687	(0.907)	239833	50.0000	46
	83 1,3-Dichloropropane	76	6.775	6.775	(0.919)	283023	50.0000	46
	84 1,2-Dibromoethane	107	6.883	6.883	(0.933)	212146	50.0000	47
	86 2-Hexanone	43	7.149	7.149	(0.969)	116890	50.0000	40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
87	1-Chlorohexane	91	7.415	7.415	(1.005)	205375	50.0000	61(M)
88	Chlorobenzene	112	7.385	7.385	(1.001)	449988	50.0000	48
89	1,1,1,2-Tetrachloroethane	131	7.454	7.454	(1.011)	190794	50.0000	48
90	Ethylbenzene	106	7.434	7.434	(1.008)	202268	50.0000	49
91	Xylene (total)mp	106	7.572	7.572	(1.027)	489422	100.000	96
92	Xylene (total)o	106	7.946	7.946	(1.077)	246801	50.0000	48
93	Styrene	104	8.005	8.005	(1.085)	433057	50.0000	47
94	Bromoform	173	8.005	8.005	(1.085)	168060	50.0000	45
* 95	1,4-Dichlorobenzene-d4	152	9.441	9.441	(1.000)	183458	25.0000	
96	Isopropylbenzene	105	8.241	8.241	(0.873)	454882	50.0000	46
97	Bromobenzene	156	8.546	8.546	(0.905)	224981	50.0000	47
98	1,1,2,2-Tetrachloroethane	83	8.684	8.684	(0.920)	226919	50.0000	44
99	4-Ethyltoluene	105	8.704	8.704	(0.922)	464249	50.0000	46
100	1,2,3-Trichloropropane	110	8.782	8.782	(0.930)	71985	50.0000	44
101	trans-1,4-Dichloro-2-Butene	53	8.831	8.831	(0.935)	126405	100.000	93
102	n-Propylbenzene	91	8.605	8.605	(0.911)	532447	50.0000	46
103	2-Chlorotoluene	91	8.723	8.723	(0.924)	414564	50.0000	46
104	4-Chlorotoluene	91	8.871	8.871	(0.940)	409050	50.0000	46
105	1,3,5-Trimethylbenzene	105	8.782	8.782	(0.930)	389242	50.0000	48
106	tert-Butylbenzene	119	9.058	9.058	(0.959)	309402	50.0000	45
107	1,2,4-Trimethylbenzene	105	9.117	9.117	(0.966)	407591	50.0000	46
108	sec-Butylbenzene	105	9.205	9.205	(0.975)	415191	50.0000	43
109	4-Isopropyltoluene	119	9.343	9.343	(0.990)	369036	50.0000	44
110	1,3-Dichlorobenzene	146	9.382	9.382	(0.994)	304608	50.0000	45
111	1,4-Dichlorobenzene	146	9.461	9.461	(1.002)	325829	50.0000	46
112	1,2-Dichlorobenzene	146	9.815	9.815	(1.040)	307138	50.0000	45
113	Benzyl Chloride	126	9.687	9.687	(1.026)	100231	50.0000	48
114	1,4-Diethylbenzene	119	9.658	9.658	(2.373)	178679	50.0000	44
115	n-Butylbenzene	91	9.707	9.707	(1.028)	310587	50.0000	33(M)
118	1,2,4,5-Tetramethylbenzene	119	10.356	10.356	(2.545)	332584	50.0000	42
119	1,2-Dibromo-3-chloropropane	75	10.514	10.514	(1.114)	44446	50.0000	38
120	Nitrobenzene	77	11.006	11.006	(1.166)	171142	500.000	270
121	1,2,4-Trichlorobenzene	180	11.104	11.104	(1.176)	142736	50.0000	37
122	Hexachlorobutadiene	225	11.094	11.094	(1.175)	41752	50.0000	25
123	Naphthalene	128	11.390	11.390	(1.206)	502419	50.0000	35
124	1,2,3-Trichlorobenzene	180	11.547	11.547	(1.223)	137031	50.0000	36
$ 125	Bromofluorobenzene	95	8.467	8.467	(0.897)	74157	50.0000	17
M 126	1,2-Dichloroethene (total)	100				358895	100.000	100
M 127	Xylene (total)	100				736223	150.000	140

QC Flag Legend

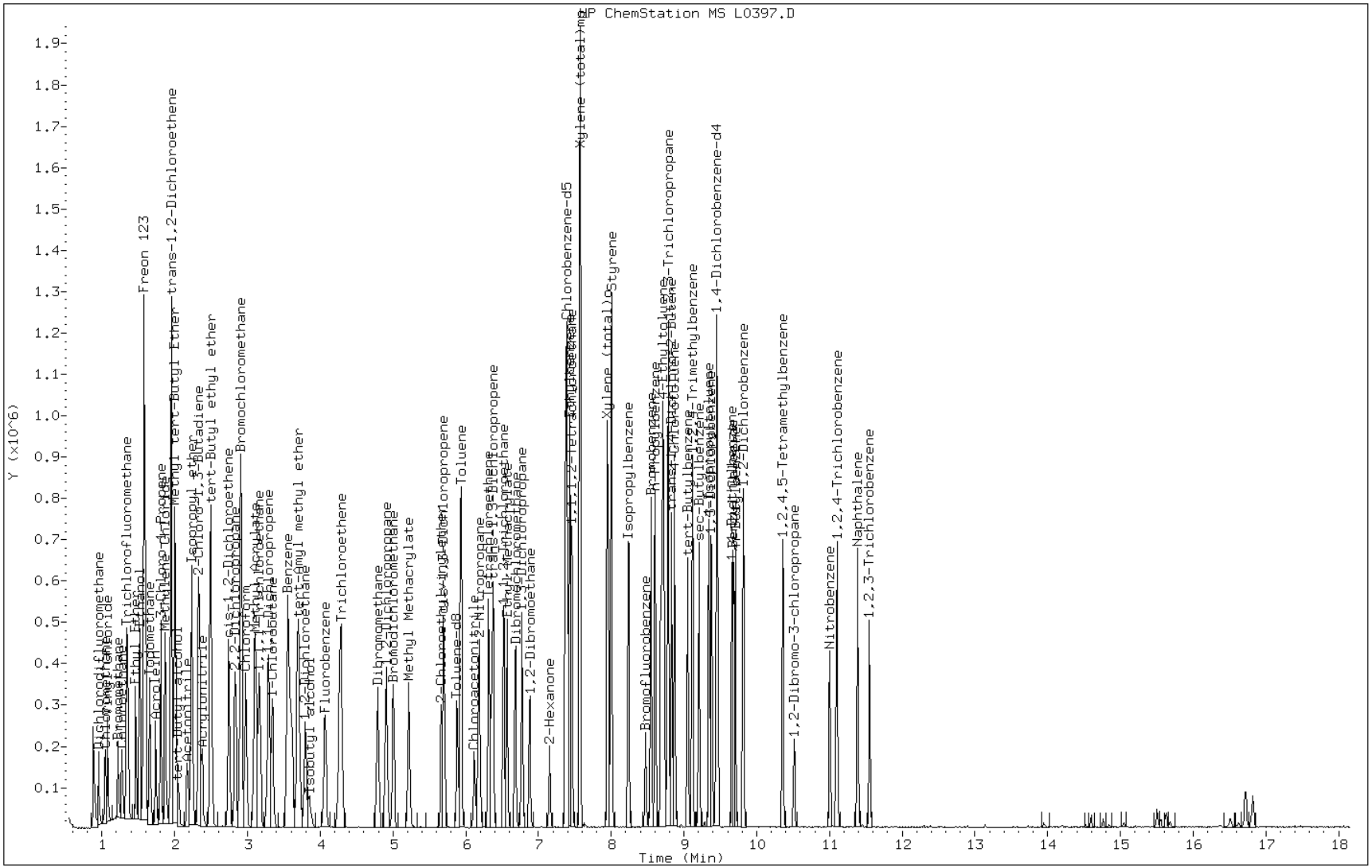
M - Compound response manually integrated.

Data File: L0397.D

Date: 18-JUL-2011 18:54

Client ID: CCVIS-632365 Instrument: msl.i

Sample Info: CCVIS-632365 Operator: E. LYNCH



Manual Integration Report

Data File: L0397.D
Inj. Date and Time: 18-JUL-2011 18:54
Instrument ID: msl.i
Client ID: CCVIS-632365
Compound: 115 n-Butylbenzene
CAS #: 104-51-8
Report Date: 07/26/2011

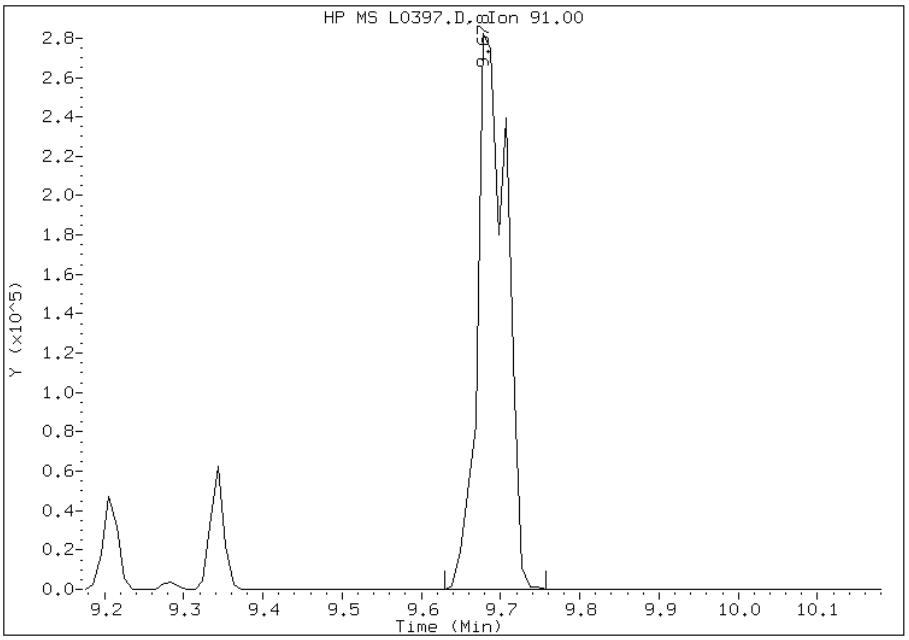
Processing Integration Results

RT: 9.68

Response: 733232

Amount: 79

Conc: 79



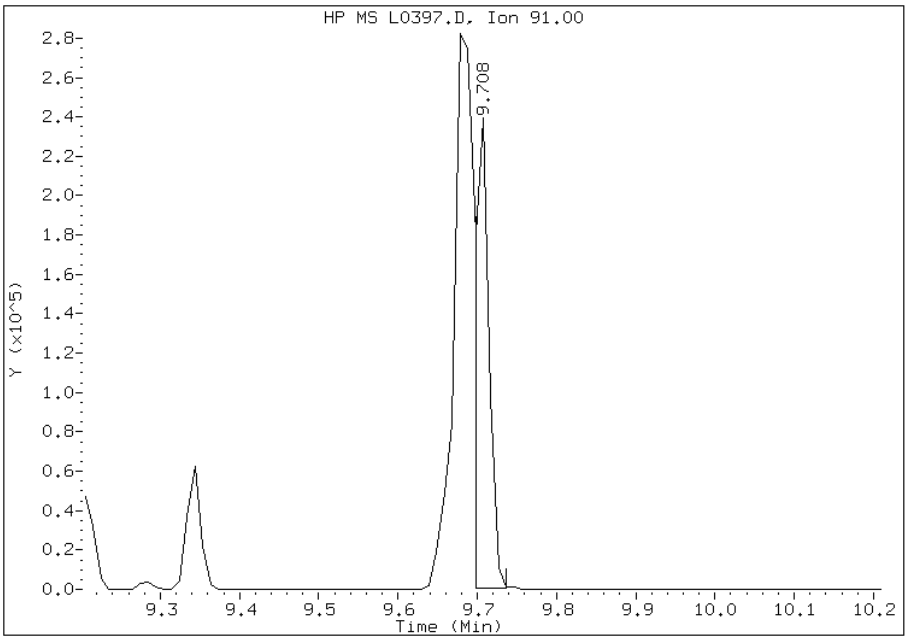
Manual Integration Results

RT: 9.71

Response: 310587

Amount: 33

Conc: 33



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

Manual Integration Report

Data File: L0397.D
Inj. Date and Time: 18-JUL-2011 18:54
Instrument ID: msl.i
Client ID: CCVIS-632365
Compound: 87 1-Chlorohexane
CAS #: 544-10-5
Report Date: 07/26/2011

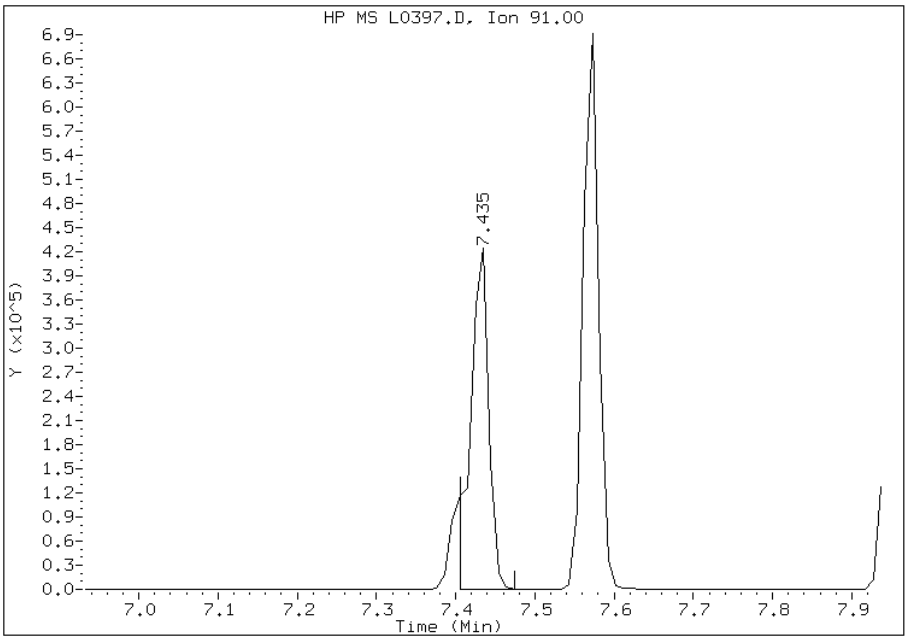
Processing Integration Results

RT: 7.43

Response: 708944

Amount: 211

Conc: 211



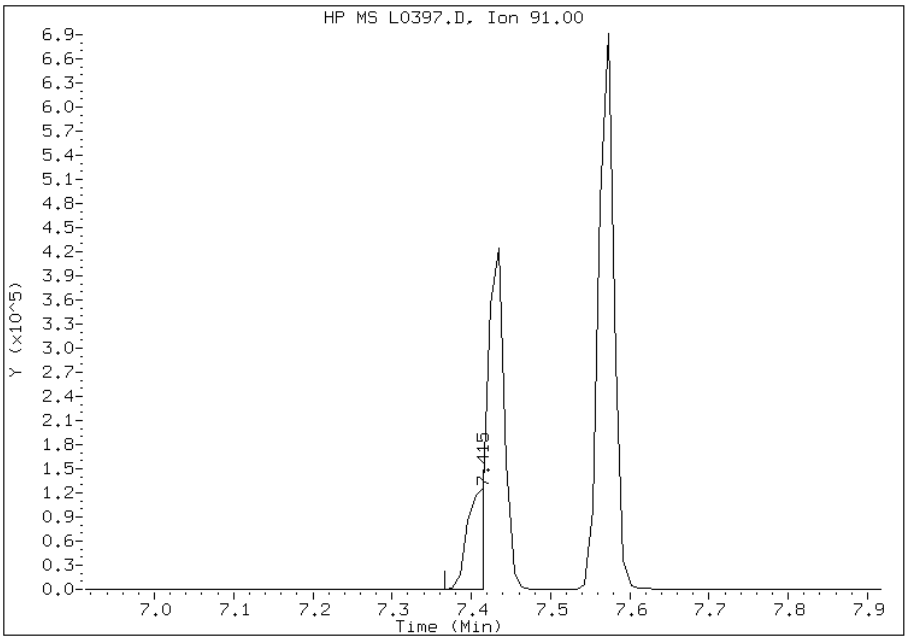
Manual Integration Results

RT: 7.42

Response: 205375

Amount: 61

Conc: 61



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

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab Sample ID: CCVIS 220-53156/1 Calibration Date: 07/21/2011 09:51

Instrument ID: MSV Calib Start Date: 07/13/2011 14:31

GC Column: RTX-VMS ID: 0.18(mm) Calib End Date: 07/13/2011 16:47

Lab File ID: V2440.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2113	0.2614		24.7	20.0	23.7	30.0
Chloromethane	Ave	0.2296	0.1936	0.1000	16.9	20.0	-15.7	30.0
Vinyl chloride	Ave	0.2159	0.2003		18.6	20.0	-7.2	20.0
Bromomethane	Ave	0.1350	0.0905		13.4	20.0	-33.0*	30.0
Chloroethane	Ave	0.1109	0.1124		20.3	20.0	1.3	30.0
Trichlorofluoromethane	Ave	0.4382	0.5805		26.5	20.0	32.5*	30.0
Dichlorofluoromethane	Ave	0.3640	0.4289		23.6	20.0	17.8	30.0
Ethyl ether	Ave	0.1366	0.1150		16.8	20.0	-15.8	30.0
Ethanol	Lin	0.0075	0.0107		270	200	35.0*	30.0
1,1-Dichloroethene	Ave	0.1737	0.2014		23.2	20.0	16.0	20.0
Carbon disulfide	Ave	0.7174	0.7361		20.5	20.0	2.6	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2355	0.2833		24.1	20.0	20.3	30.0
1,1,1-Trifluoro-2,2-dichloroethane	Ave	0.0519	0.0610		23.5	20.0	17.5	30.0
Iodomethane	Lin	0.2484	0.3229		22.7	20.0	13.4	30.0
Acrolein	Ave	0.0358	0.0229		63.9	100	-36.2*	30.0
3-Chloro-1-propene	Ave	0.3131	0.3137		20.0	20.0	0.2	30.0
Isopropyl alcohol	Lin	0.0331	0.0159		10.5	20.1	-47.7*	30.0
Methylene Chloride	Ave	0.3167	0.2552		16.1	20.0	-19.4	30.0
Acetone	Ave	0.0750	0.0699		18.6	20.0	-6.8	30.0
trans-1,2-Dichloroethene	Ave	0.2276	0.2526		22.2	20.0	11.0	30.0
Methyl acetate	Ave	0.9417	0.8198		17.4	20.0	-13.0	30.0
Methyl tert-butyl ether	Ave	0.7282	0.8058		22.1	20.0	10.6	30.0
tert-Butyl alcohol	Ave	0.0311	0.0295		94.9	100	-5.1	30.0
Acetonitrile	Ave	0.0248	0.0198		159	200	-20.2	30.0
Isopropyl ether	Ave	0.6879	0.6173		17.9	20.0	-10.3	30.0
2-Chloro-1,3-butadiene	Ave	0.2075	0.2475		23.9	20.0	19.3	30.0
1,1-Dichloroethane	Ave	0.4333	0.4497	0.1000	20.8	20.0	3.8	30.0
Acrylonitrile	Ave	0.0892	0.0743		33.3	40.0	-16.7	30.0
Tert-butyl ethyl ether	Ave	0.7022	0.7405		21.1	20.0	5.4	30.0
Vinyl acetate	Ave	0.5093	0.4128		16.2	20.0	-19.0	30.0
cis-1,2-Dichloroethene	Ave	0.2765	0.2786		20.2	20.0	0.8	30.0
2,2-Dichloropropane	Ave	0.3676	0.5369		29.2	20.0	46.0*	30.0
Bromochloromethane	Ave	0.1393	0.1721		24.7	20.0	23.6	30.0
Cyclohexane	Ave	0.3110	0.3384		21.8	20.0	8.8	30.0
Chloroform	Ave	0.5207	0.6000		23.0	20.0	15.2	20.0
Carbon tetrachloride	Ave	0.4205	0.5860		27.9	20.0	39.3*	30.0
Tetrahydrofuran	Ave	0.0780	0.0652		33.5	40.0	-16.4	30.0
Ethyl acetate	Lin	0.0308	0.0206		28.6	40.0	-28.4	30.0
Methyl acrylate	Ave	0.2329	0.2049		17.6	20.0	-12.0	30.0
1,1,1-Trichloroethane	Ave	0.4291	0.6148		28.7	20.0	43.3*	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab Sample ID: CCVIS 220-53156/1 Calibration Date: 07/21/2011 09:51

Instrument ID: MSV Calib Start Date: 07/13/2011 14:31

GC Column: RTX-VMS ID: 0.18(mm) Calib End Date: 07/13/2011 16:47

Lab File ID: V2440.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1-Dichloropropene	Ave	0.3364	0.3845		22.9	20.0	14.3	30.0
Methyl Ethyl Ketone	Ave	0.1080	0.0969		17.9	20.0	-10.4	30.0
1-Chlorobutane	Ave	0.4203	0.5197		24.7	20.0	23.6	30.0
Benzene	Ave	0.9789	1.017		20.8	20.0	3.9	30.0
Propionitrile	Ave	0.0350	0.0327		187	200	-6.6	30.0
Methacrylonitrile	Ave	0.1438	0.1246		17.3	20.0	-13.3	30.0
Tert-amyl methyl ether	Ave	0.6639	0.7158		21.6	20.0	7.8	30.0
1,2-Dichloroethane	Ave	0.3609	0.4562		25.3	20.0	26.4	30.0
Isobutyl alcohol	Ave	0.0058	0.0051		174	200	-12.8	30.0
Methylcyclohexane	Ave	0.4015	0.4234		21.1	20.0	5.5	30.0
Trichloroethene	Ave	0.2847	0.3466		24.3	20.0	21.7	30.0
Dibromomethane	Ave	0.1861	0.1978		21.3	20.0	6.3	30.0
1,2-Dichloropropane	Ave	0.2528	0.2455		19.4	20.0	-2.9	20.0
Bromodichloromethane	Ave	0.3809	0.4583		24.1	20.0	20.3	30.0
Methyl methacrylate	Lin	0.2011	0.1657		16.1	20.0	-19.4	30.0
1,4-Dioxane	Lin	0.0033	0.0015		117	200	-41.5*	30.0
2-Chloroethyl vinyl ether	Ave	0.1535	0.1319		17.2	20.0	-14.1	30.0
cis-1,3-Dichloropropene	Ave	0.4117	0.4415		21.4	20.0	7.2	30.0
Toluene	Ave	1.433	1.438		20.1	20.0	0.4	20.0
Chloroacetonitrile	Ave	0.0090	0.0073		162	200	-19.1	30.0
2-Nitropropane	Ave	0.0653	0.0710		43.5	40.0	8.7	30.0
1,1-Dichloro-2-propanone	Ave	0.1636	0.1428		87.3	100	-12.7	30.0
Tetrachloroethene	Ave	0.3105	0.3771		24.3	20.0	21.4	30.0
methyl isobutyl ketone	Ave	0.3038	0.2288		15.1	20.0	-24.7	30.0
trans-1,3-Dichloropropene	Ave	0.4170	0.4526		21.7	20.0	8.5	30.0
1,1,2-Trichloroethane	Ave	0.2379	0.2554		21.5	20.0	7.3	30.0
Ethyl methacrylate	Ave	0.3802	0.3204		16.9	20.0	-15.7	30.0
Dibromochloromethane	Ave	0.4623	0.4805		20.8	20.0	3.9	30.0
1,3-Dichloropropane	Ave	0.5324	0.5238		19.7	20.0	-1.6	30.0
1,2-Dibromoethane	Ave	0.3634	0.3825		21.1	20.0	5.3	30.0
2-Hexanone	Ave	0.1945	0.1657		17.0	20.0	-14.8	30.0
Chlorobenzene	Ave	0.9629	0.9652	0.3000	20.0	20.0	0.2	30.0
1-Chlorohexane	Lin	0.3565	0.4524		19.6	20.0	-1.9	30.0
Ethylbenzene	Ave	0.5164	0.5648		21.9	20.0	9.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3870	0.4422		22.9	20.0	14.3	30.0
m&p-Xylene	Ave	0.6044	0.7007		46.4	40.0	15.9	30.0
o-Xylene	Ave	0.5743	0.6169		21.5	20.0	7.4	30.0
Bromoform	Ave	0.3445	0.3812	0.1000	22.1	20.0	10.7	30.0
Styrene	Ave	0.9608	1.004		20.9	20.0	4.5	30.0
Isopropylbenzene	Ave	2.322	2.392		20.6	20.0	3.0	30.0
Bromobenzene	Ave	0.8096	0.8194		20.2	20.0	1.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab Sample ID: CCVIS 220-53156/1 Calibration Date: 07/21/2011 09:51

Instrument ID: MSV Calib Start Date: 07/13/2011 14:31

GC Column: RTX-VMS ID: 0.18(mm) Calib End Date: 07/13/2011 16:47

Lab File ID: V2440.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	3.034	2.874		18.9	20.0	-5.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7535	0.5702	0.3000	15.1	20.0	-24.3	30.0
2-Chlorotoluene	Ave	2.255	2.290		20.3	20.0	1.6	30.0
4-Ethyltoluene	Ave	2.538	2.617		20.6	20.0	3.1	30.0
1,2,3-Trichloropropane	Ave	0.2352	0.2399		20.4	20.0	2.0	30.0
1,3,5-Trimethylbenzene	Ave	2.189	2.274		20.8	20.0	3.9	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2077	0.1986		38.2	40.0	-4.4	30.0
4-Chlorotoluene	Ave	2.058	2.042		19.8	20.0	-0.8	30.0
tert-Butylbenzene	Ave	1.877	1.980		21.1	20.0	5.5	30.0
1,2,4-Trimethylbenzene	Ave	2.303	2.462		21.4	20.0	6.9	30.0
sec-Butylbenzene	Ave	2.668	2.743		20.6	20.0	2.8	30.0
4-Isopropyltoluene	Ave	2.264	2.509		22.2	20.0	10.8	30.0
1,3-Dichlorobenzene	Ave	1.501	1.498		20.0	20.0	-0.2	30.0
1,4-Dichlorobenzene	Ave	1.574	1.462		18.6	20.0	-7.1	30.0
p-Diethylbenzene	Ave	1.217	1.218		20.0	20.0	0.0	30.0
Benzyl chloride	Ave	0.3017	0.3084		20.4	20.0	2.2	30.0
n-Butylbenzene	Ave	2.344	2.394		20.4	20.0	2.2	30.0
1,2-Dichlorobenzene	Ave	1.431	1.461		20.4	20.0	2.1	30.0
1,2,4,5-Tetramethylbenzene	Ave	2.321	2.257		19.5	20.0	-2.7	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1745	0.1759		20.2	20.0	0.8	30.0
Nitrobenzene	Lin	0.0914	0.0655		157	200	-21.6	30.0
1,2,4-Trichlorobenzene	Ave	1.284	1.224		19.1	20.0	-4.7	30.0
Hexachlorobutadiene	Ave	0.6564	0.6471		19.7	20.0	-1.4	30.0
Naphthalene	Ave	2.864	2.278		15.9	20.0	-20.5	30.0
1,2,3-Trichlorobenzene	Ave	1.251	1.123		17.9	20.0	-10.3	30.0
Dibromofluoromethane	Ave	0.2792	0.2849		25.5	25.0	2.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3333	0.3619		27.1	25.0	8.6	30.0
Toluene-d8 (Surr)	Ave	1.291	1.051		20.3	25.0	-18.6	30.0
4-Bromofluorobenzene	Ave	0.8257	0.6327		19.2	25.0	-23.4	30.0

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msv.i\V112440.b\V2440.D
Lab Smp Id: CCVIS-632355 Client Smp ID: CCVIS-632355
Inj Date : 21-JUL-2011 09:51 MS Autotune Date: 04-APR-2011 13:44
Operator : B.KOSTRZEWSKA Inst ID: msv.i
Smp Info : CCVIS-632355
Misc Info :
Comment :
Method : \\consvr05\Files\chem\VOA\msv.i\V112440.b\V8260LOW.m
Meth Date : 21-Jul-2011 10:11 barbara Quant Type: ISTD
Cal Date : 13-JUL-2011 16:47 Cal File: V2196.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	4.836	4.836	(1.000)	267408	25.0000	
2	Dichlorodifluoromethane	85	0.977	0.977	(0.202)	55912	20.0000	25
3	Chloromethane	50	1.089	1.089	(0.225)	41411	20.0000	17
4	Vinyl Chloride	62	1.132	1.132	(0.234)	42859	20.0000	18
5	Bromomethane	94	1.324	1.324	(0.274)	19352	20.0000	13
6	Chloroethane	64	1.399	1.399	(0.289)	24051	20.0000	20
7	Trichlorofluoromethane	101	1.484	1.484	(0.307)	124176	20.0000	26
8	Dichlorofluoromethane	67	1.516	1.516	(0.314)	91747	20.0000	24
9	Ethyl Ether	45	1.676	1.676	(0.347)	24611	20.0000	17
10	Ethanol	45	1.730	1.730	(0.358)	22965	200.000	270
12	Freon 123	67	1.847	1.847	(0.382)	13058	20.0000	24
13	Trichlorotrifluoroethane	101	1.836	1.836	(0.380)	60609	20.0000	24
14	1,1-Dichloroethene	96	1.804	1.804	(0.373)	43092	20.0000	23
15	Carbon Disulfide	76	1.820	1.820	(0.377)	157465	20.0000	20
16	Iodomethane	142	1.900	1.900	(0.393)	69082	20.0000	23
17	Acrolein	56	2.039	2.039	(0.422)	24513	100.000	64
18	2-Propanol	45	2.178	2.178	(0.450)	3400	20.0000	10(M)
19	3-Chloro-1-Propene	41	2.146	2.146	(0.444)	67115	20.0000	20
20	Methylene Chloride	84	2.226	2.226	(0.460)	54599	20.0000	16
21	Acetone	43	2.263	2.263	(0.468)	14950	20.0000	19
22	trans-1,2-Dichloroethene	96	2.354	2.354	(0.487)	54033	20.0000	22
23	Methyl Acetate	43	2.370	2.370	(0.490)	175369	20.0000	17

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	24 Methyl tert-Butyl Ether	73	2.455	2.455	(0.508)	172371	20.0000	22
	25 tert-Butyl alcohol	59	2.546	2.546	(0.527)	31578	100.000	95
	26 Acetonitrile	41	2.642	2.642	(0.546)	42314	200.000	160
	27 Isopropyl ether	45	2.813	2.813	(0.582)	132056	20.0000	18
	28 tert-Butyl ethyl ether	59	3.181	3.181	(0.658)	158409	20.0000	21
	29 2-Chloro-1,3-Butadiene	88	2.882	2.882	(0.596)	52946	20.0000	24
	30 Acrylonitrile	53	2.941	2.941	(0.608)	31787	40.0000	33
	31 1,1-Dichloroethane	63	2.904	2.904	(0.601)	96207	20.0000	21
	32 Vinyl Acetate	43	3.187	3.187	(0.659)	88241	20.0000	16
	33 cis-1,2-Dichloroethene	96	3.464	3.464	(0.716)	59599	20.0000	20
	34 2,2-Dichloropropane	77	3.571	3.571	(0.738)	114848	20.0000	29
	35 Bromochloromethane	128	3.656	3.656	(0.756)	36825	20.0000	25
	37 Cyclohexane	84	3.662	3.662	(0.757)	72400	20.0000	22
	38 Chloroform	83	3.763	3.763	(0.778)	128351	20.0000	23
	39 Ethyl Acetate	43	3.923	3.923	(0.811)	8813	40.0000	29(M)
	40 Methyl Acrylate	55	3.923	3.923	(0.811)	43826	20.0000	18
$	41 Dibromofluoromethane	111	3.955	3.955	(0.818)	76178	20.0000	26
	42 Tetrahydrofuran	42	3.912	3.912	(0.809)	27913	40.0000	33
	43 Carbon Tetrachloride	117	3.891	3.891	(0.805)	125350	20.0000	28
	44 1,1,1-Trichloroethane	97	3.966	3.966	(0.820)	131523	20.0000	29
	45 2-Butanone	43	4.099	4.099	(0.848)	20722	20.0000	18
	46 1,1-Dichloropropene	75	4.099	4.099	(0.848)	82246	20.0000	23
	47 tert-Amyl methyl ether	73	4.542	4.542	(0.939)	153121	20.0000	22
	49 1-Chlorobutane	56	4.163	4.163	(0.861)	111171	20.0000	25
	50 Heptane	43	4.548	4.548	(0.940)	46733	20.0000	22
	51 Propionitrile	54	4.393	4.393	(0.908)	69900	200.000	190
	52 Benzene	78	4.366	4.366	(0.903)	217543	20.0000	21
	53 2-Methyl-2-Propenenitrile	41	4.414	4.414	(0.913)	26652	20.0000	17
	54 Isobutyl alcohol	42	4.724	4.724	(0.977)	10814	200.000	170(M)
$	55 1,2-Dichloroethane-d4	65	4.516	4.516	(0.934)	96783	20.0000	27
	56 1,2-Dichloroethane	62	4.590	4.590	(0.949)	97598	20.0000	25
	59 Methyl Cyclohexane	83	5.006	5.006	(1.035)	90586	20.0000	21
	60 Trichloroethene	130	5.033	5.033	(1.041)	74139	20.0000	24
	63 Dibromomethane	93	5.487	5.487	(1.135)	42315	20.0000	21
	64 1,2-Dichloropropane	63	5.610	5.610	(1.160)	52512	20.0000	19(T)
	65 Bromodichloromethane	83	5.711	5.711	(1.181)	98035	20.0000	24
	66 Methyl Methacrylate	69	5.956	5.956	(1.232)	35439	20.0000	16
	67 1,4-Dioxane	58	5.967	5.967	(1.234)	3109	200.000	120(M)
	69 2-Chloroethylvinylether	63	6.437	6.437	(1.331)	28163	20.0000	17
	70 cis-1,3-Dichloropropene	75	6.458	6.458	(1.335)	94453	20.0000	21
	71 Chloroacetonitrile	48	6.938	6.938	(1.435)	15536	200.000	160
	72 2-Nitropropane	41	7.008	7.008	(1.449)	30364	40.0000	43
	73 trans-1,3-Dichloropropene	75	7.269	7.269	(1.503)	96816	20.0000	22
	74 1,1,2-Trichloroethane	97	7.451	7.451	(1.541)	54636	20.0000	21
*	75 Chlorobenzene-d5	117	8.577	8.577	(1.000)	212840	25.0000	
	76 Toluene	91	6.736	6.736	(0.785)	244894	20.0000	20
$	77 Toluene-d8	98	6.677	6.677	(0.778)	223602	20.0000	20
	78 1,1-Dichloro-2-propanone	43	7.029	7.029	(0.820)	121588	100.000	87
	79 4-Methyl-2-Pentanone	43	7.243	7.243	(0.844)	38949	20.0000	15
	80 Tetrachloroethene	164	7.195	7.195	(0.839)	64202	20.0000	24
	81 Ethyl Methacrylate	69	7.536	7.536	(0.879)	54549	20.0000	17
	82 Dibromochloromethane	129	7.648	7.648	(0.892)	81815	20.0000	21
	83 1,3-Dichloropropane	76	7.766	7.766	(0.905)	89184	20.0000	20
	84 1,2-Dibromoethane	107	7.894	7.894	(0.920)	65133	20.0000	21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
86	2-Hexanone	43	8.299	8.299	(0.968)	28207	20.0000	17
87	1-Chlorohexane	91	8.657	8.657	(1.009)	77032	20.0000	20(M)
88	Chlorobenzene	112	8.593	8.593	(1.002)	164350	20.0000	20
89	1,1,1,2-Tetrachloroethane	131	8.700	8.700	(1.014)	75293	20.0000	23
90	Ethylbenzene	106	8.684	8.684	(1.012)	96173	20.0000	22
91	Xylene (total)mp	106	8.881	8.881	(1.035)	238625	40.0000	46
92	Xylene (total)o	106	9.399	9.399	(1.096)	105040	20.0000	21
93	Styrene	104	9.463	9.463	(1.103)	170983	20.0000	21
94	Bromoform	173	9.447	9.447	(1.101)	64909	20.0000	22
* 95	1,4-Dichlorobenzene-d4	152	11.027	11.027	(1.000)	136901	25.0000	
96	Isopropylbenzene	105	9.762	9.762	(0.885)	261934	20.0000	20
97	Bromobenzene	156	10.093	10.093	(0.915)	89736	20.0000	20
98	1,1,2,2-Tetrachloroethane	83	10.258	10.258	(0.930)	62448	20.0000	15
99	4-Ethyltoluene	105	10.295	10.295	(0.934)	286638	20.0000	21
100	1,2,3-Trichloropropane	110	10.349	10.349	(0.939)	26277	20.0000	20
101	trans-1,4-Dichloro-2-Butene	53	10.418	10.418	(0.945)	43494	40.0000	38
102	n-Propylbenzene	91	10.183	10.183	(0.924)	314775	20.0000	19
103	2-Chlorotoluene	91	10.295	10.295	(0.934)	250852	20.0000	20
104	4-Chlorotoluene	91	10.455	10.455	(0.948)	223607	20.0000	20
105	1,3,5-Trimethylbenzene	105	10.386	10.386	(0.942)	249087	20.0000	21
106	tert-Butylbenzene	119	10.658	10.658	(0.967)	216864	20.0000	21
107	1,2,4-Trimethylbenzene	105	10.722	10.722	(0.972)	269661	20.0000	21
108	sec-Butylbenzene	105	10.813	10.813	(0.981)	300442	20.0000	20
109	4-Isopropyltoluene	119	10.946	10.946	(0.993)	274822	20.0000	22
110	1,3-Dichlorobenzene	146	10.962	10.962	(0.994)	164096	20.0000	20
111	1,4-Dichlorobenzene	146	11.043	11.043	(1.001)	160154	20.0000	18
112	1,2-Dichlorobenzene	146	11.373	11.373	(1.031)	159959	20.0000	20
113	Benzyl Chloride	126	11.251	11.251	(1.020)	33776	20.0000	20
114	1,4-Diethylbenzene	119	11.245	11.245	(1.020)	133398	20.0000	20
115	n-Butylbenzene	91	11.288	11.288	(1.024)	262232	20.0000	20
118	1,2,4,5-Tetramethylbenzene	119	11.870	11.870	(1.076)	247218	20.0000	19
119	1,2-Dibromo-3-chloropropane	75	11.993	11.993	(1.088)	19269	20.0000	20
120	Nitrobenzene	77	12.398	12.398	(1.124)	71752	200.000	160
121	1,2,4-Trichlorobenzene	180	12.489	12.489	(1.133)	134037	20.0000	19
122	Hexachlorobutadiene	225	12.489	12.489	(1.133)	70873	20.0000	20
123	Naphthalene	128	12.718	12.718	(1.153)	249450	20.0000	16
124	1,2,3-Trichlorobenzene	180	12.846	12.846	(1.165)	122996	20.0000	18
$ 125	Bromofluorobenzene	95	10.018	10.018	(0.909)	86610	20.0000	19
M 126	1,2-Dichloroethene (total)	100				113632	40.0000	42
M 127	Xylene (total)	100				343665	60.0000	68

QC Flag Legend

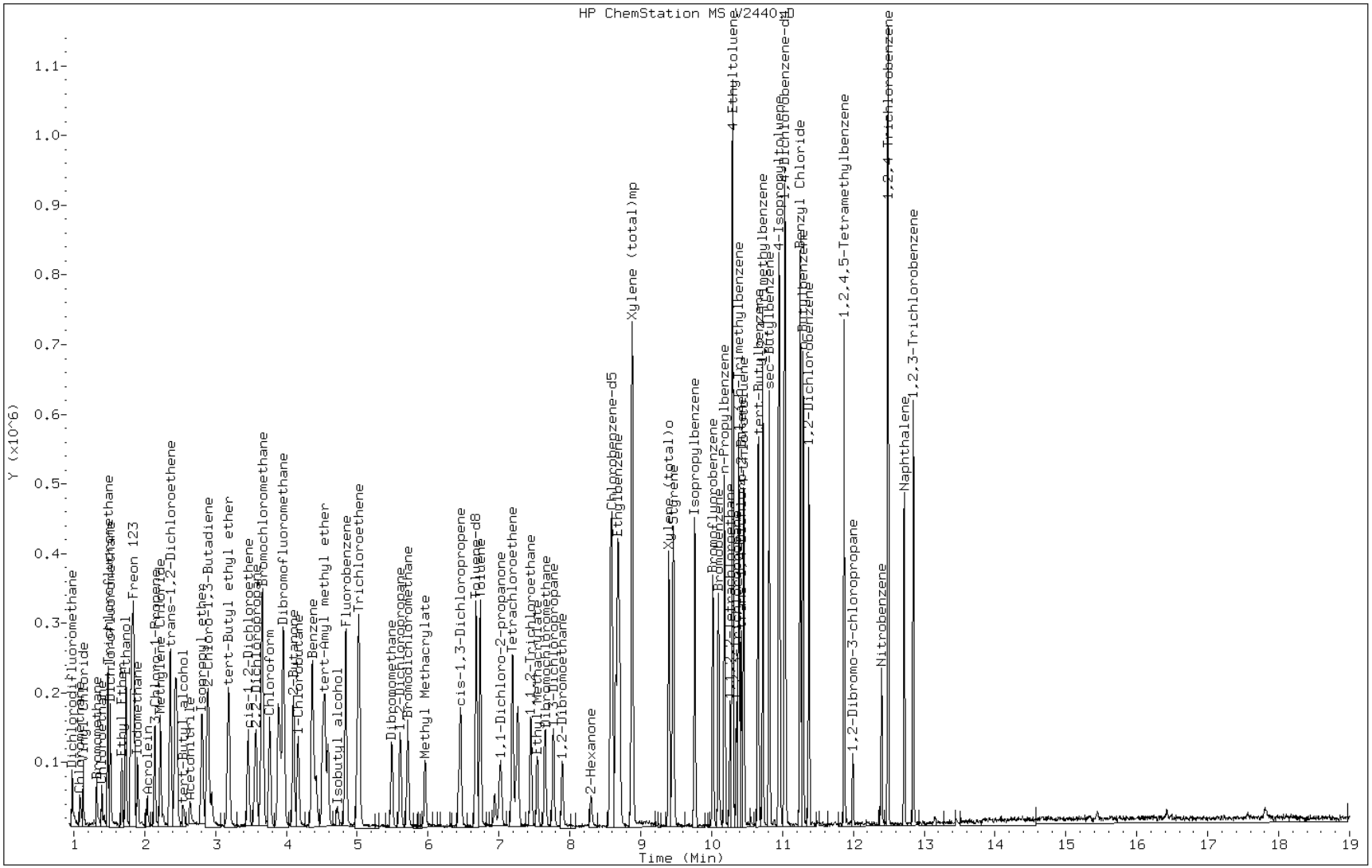
T - Target compound detected outside RT window.
M - Compound response manually integrated.

Data File: V2440.D

Date: 21-JUL-2011 09:51

Client ID: CCVIS-632355 Instrument: msv.i

Sample Info: CCVIS-632355 Operator: B.KOSTRZEWSKA



Manual Integration Report

Data File: V2440.D
Inj. Date and Time: 21-JUL-2011 09:51
Instrument ID: msv.i
Client ID: CCVIS-632355
Compound: 67 1,4-Dioxane
CAS #: 123-91-1
Report Date: 07/21/2011

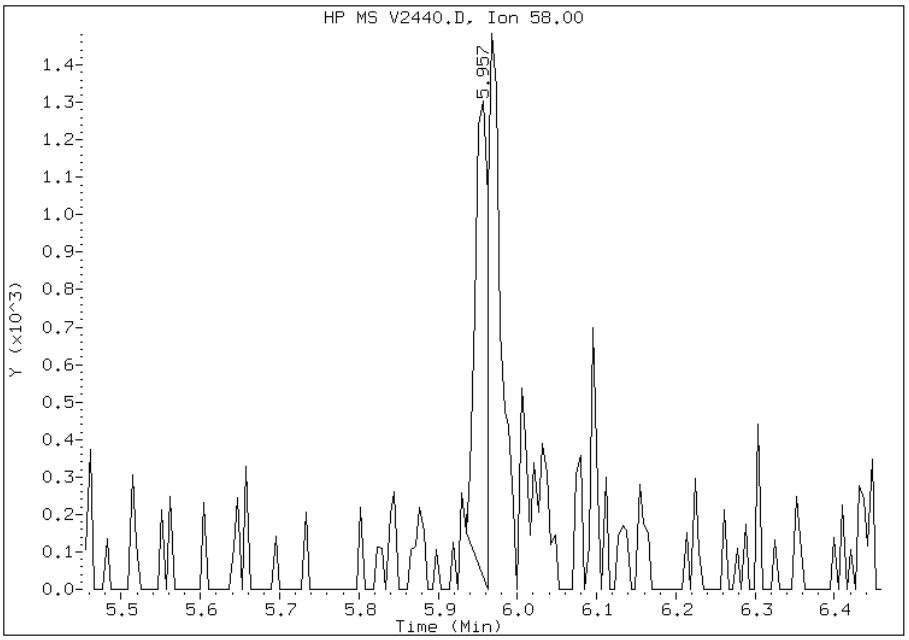
Processing Integration Results

RT: 5.96

Response: 1393

Amount: 45

Conc: 45



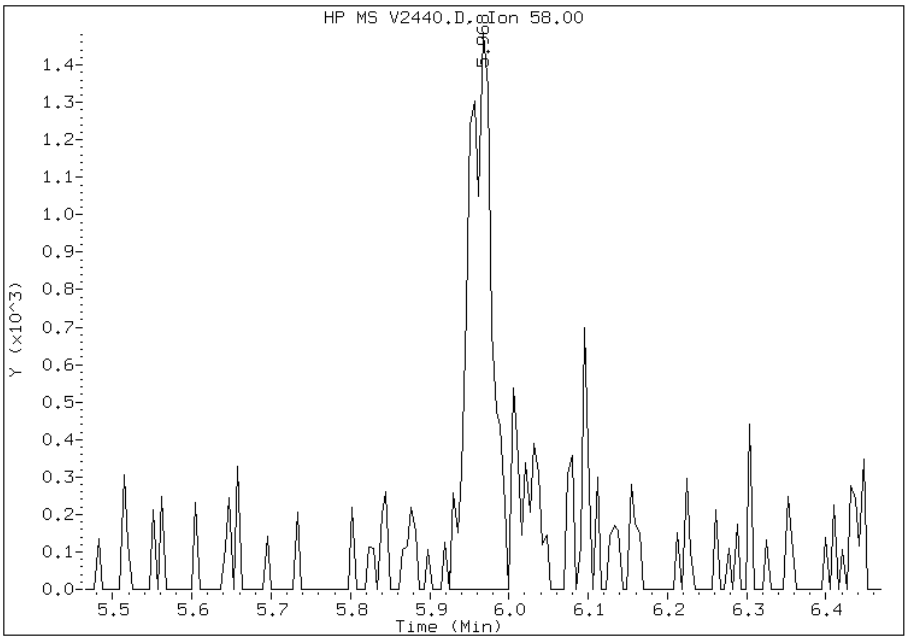
Manual Integration Results

RT: 5.97

Response: 3109

Amount: 117

Conc: 117



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

Manual Integration Report

Data File: V2440.D
Inj. Date and Time: 21-JUL-2011 09:51
Instrument ID: msv.i
Client ID: CCVIS-632355
Compound: 87 1-Chlorohexane
CAS #: 544-10-5
Report Date: 07/21/2011

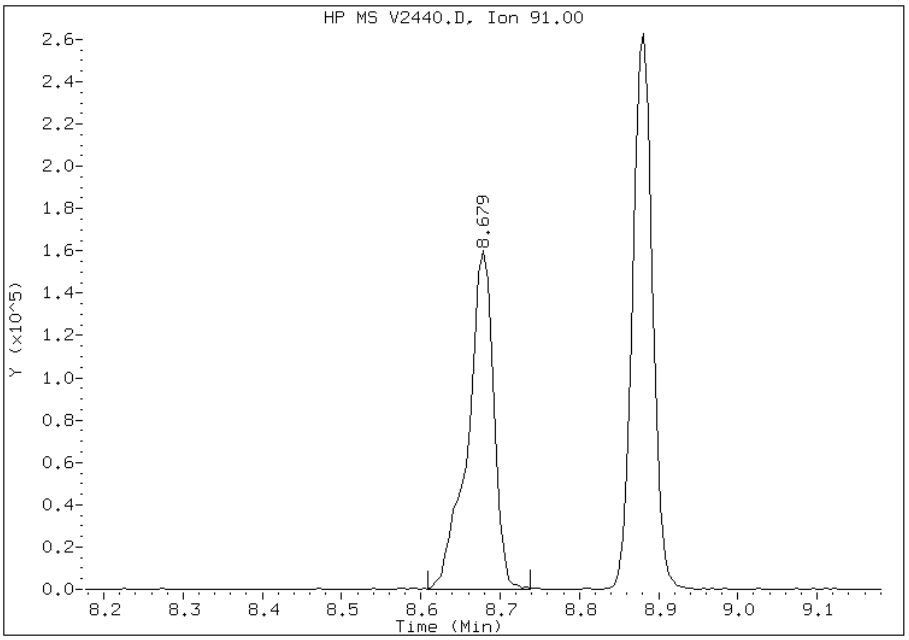
Processing Integration Results

RT: 8.68

Response: 359527

Amount: 80

Conc: 80



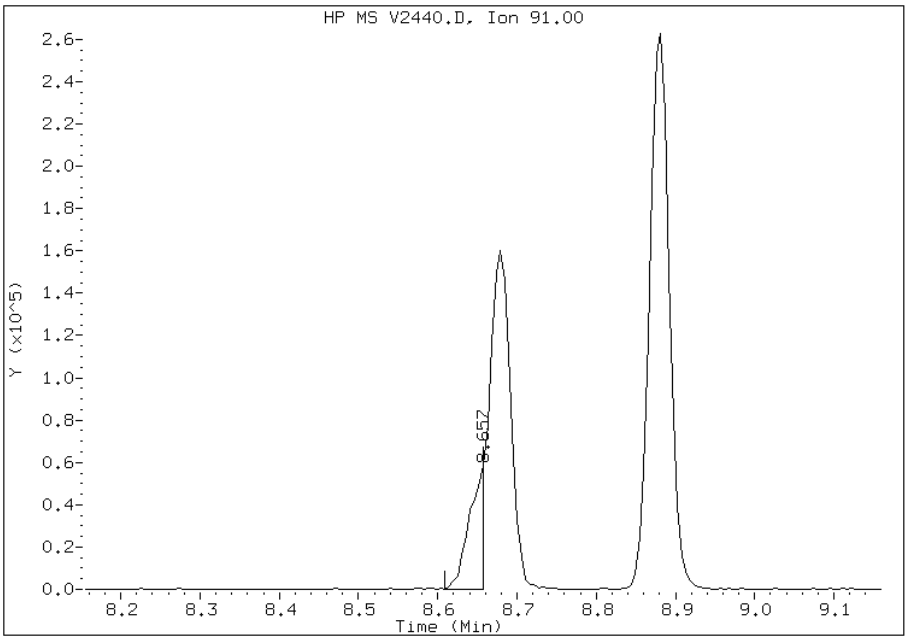
Manual Integration Results

RT: 8.66

Response: 77032

Amount: 20

Conc: 20



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

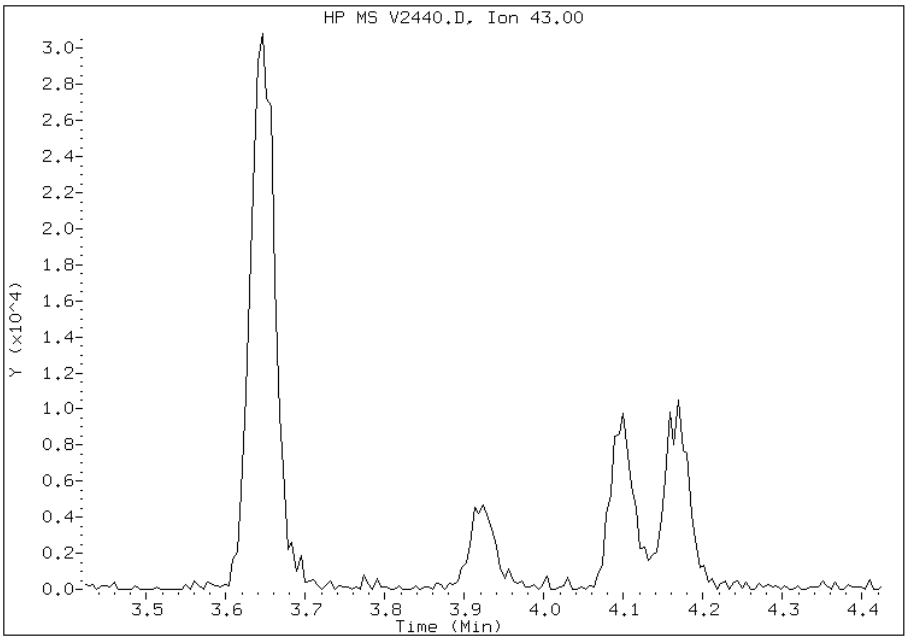
Manual Integration Report

Data File: V2440.D
Inj. Date and Time: 21-JUL-2011 09:51
Instrument ID: msv.i
Client ID: CCVIS-632355
Compound: 39 Ethyl Acetate
CAS #: 141-78-6
Report Date: 07/21/2011

Processing Integration Results

Not Detected

Expected RT: 3.92



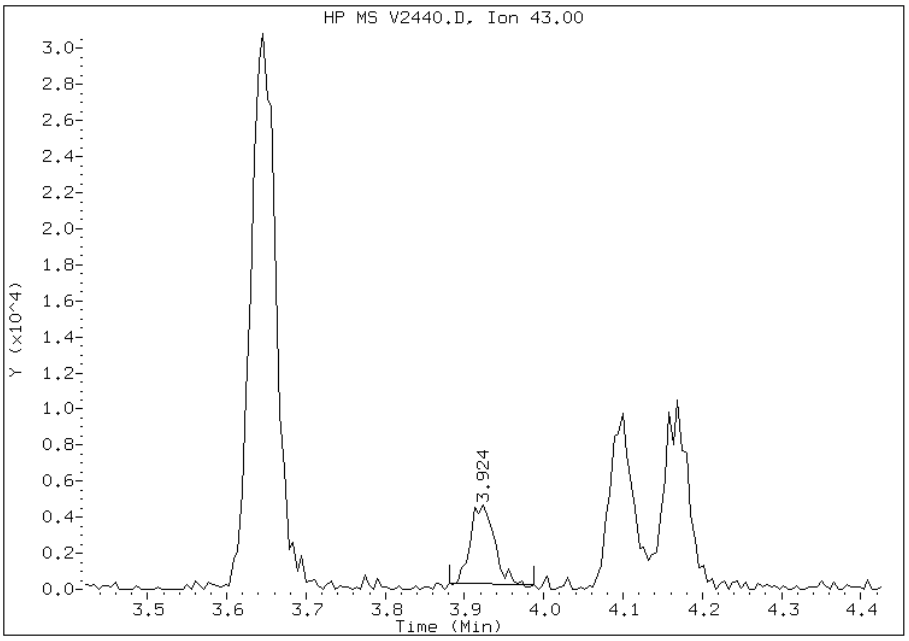
Manual Integration Results

RT: 3.92

Response: 8813

Amount: 29

Conc: 29



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

Manual Integration Report

Data File: V2440.D
Inj. Date and Time: 21-JUL-2011 09:51
Instrument ID: msv.i
Client ID: CCVIS-632355
Compound: 54 Isobutyl alcohol
CAS #: 78-83-1
Report Date: 07/21/2011

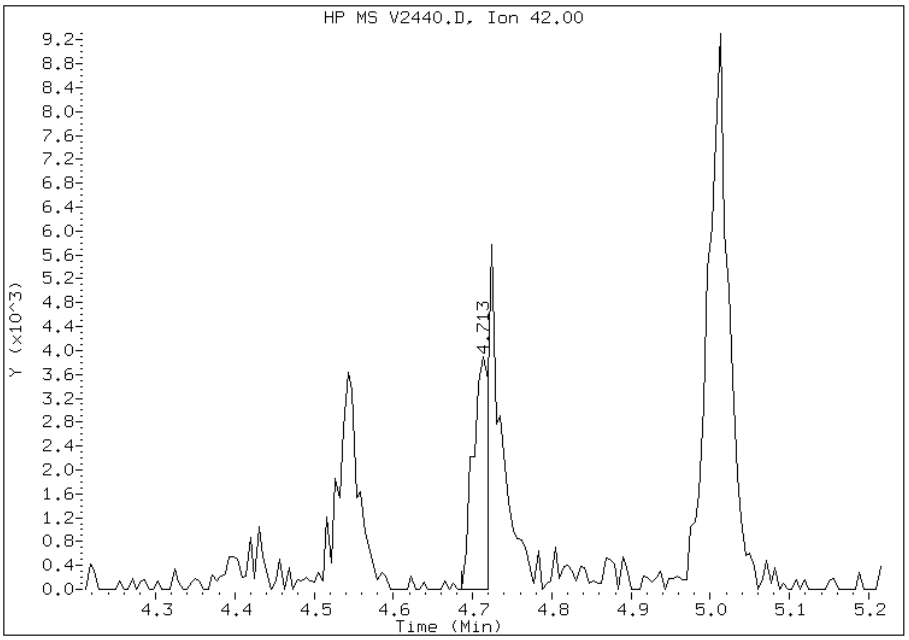
Processing Integration Results

RT: 4.71

Response: 5113

Amount: 82

Conc: 82



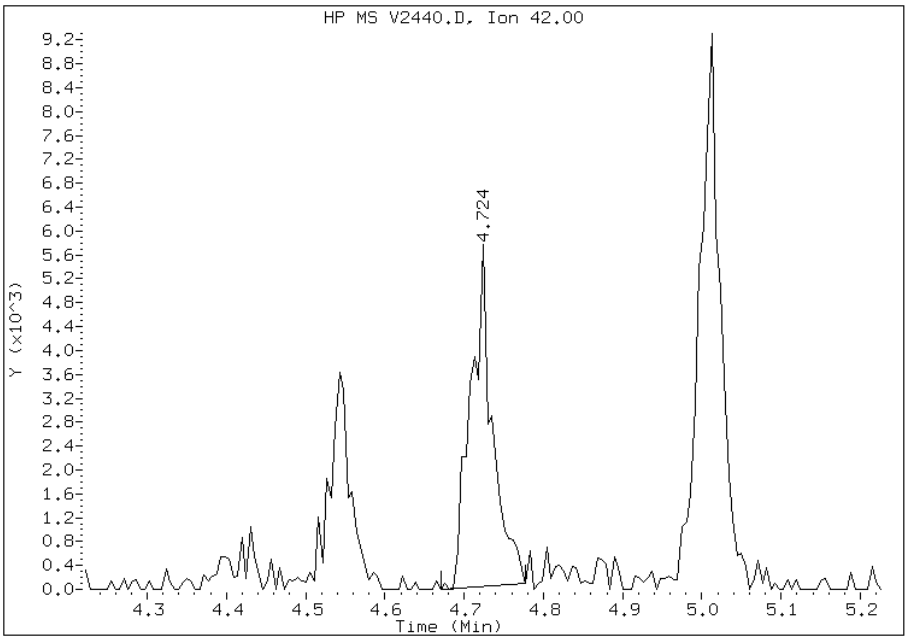
Manual Integration Results

RT: 4.72

Response: 10814

Amount: 174

Conc: 174



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

Manual Integration Report

Data File: V2440.D
Inj. Date and Time: 21-JUL-2011 09:51
Instrument ID: msv.i
Client ID: CCVIS-632355
Compound: 18 2-Propanol
CAS #: 67-63-0
Report Date: 07/21/2011

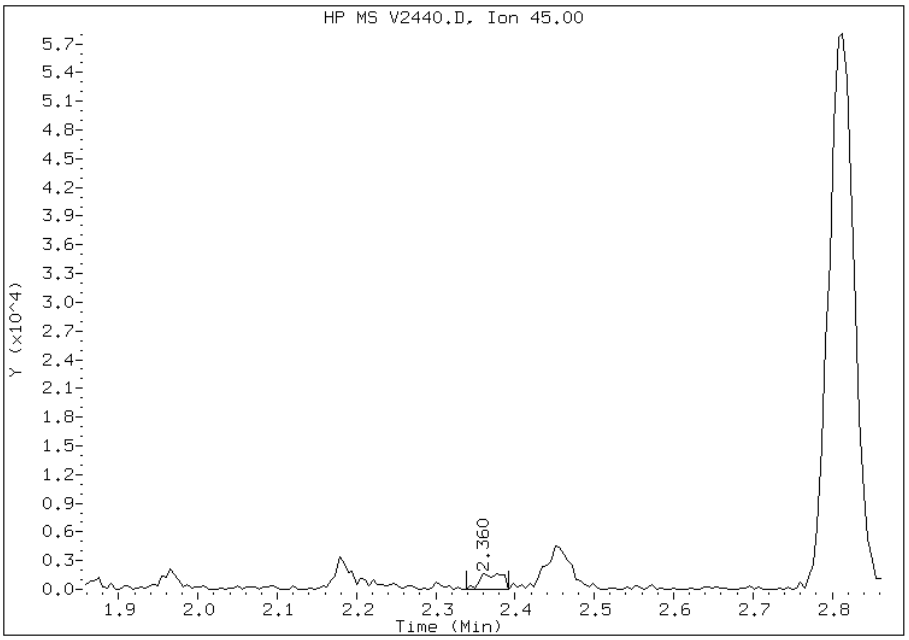
Processing Integration Results

RT: 2.36

Response: 3233

Amount: 10

Conc: 10



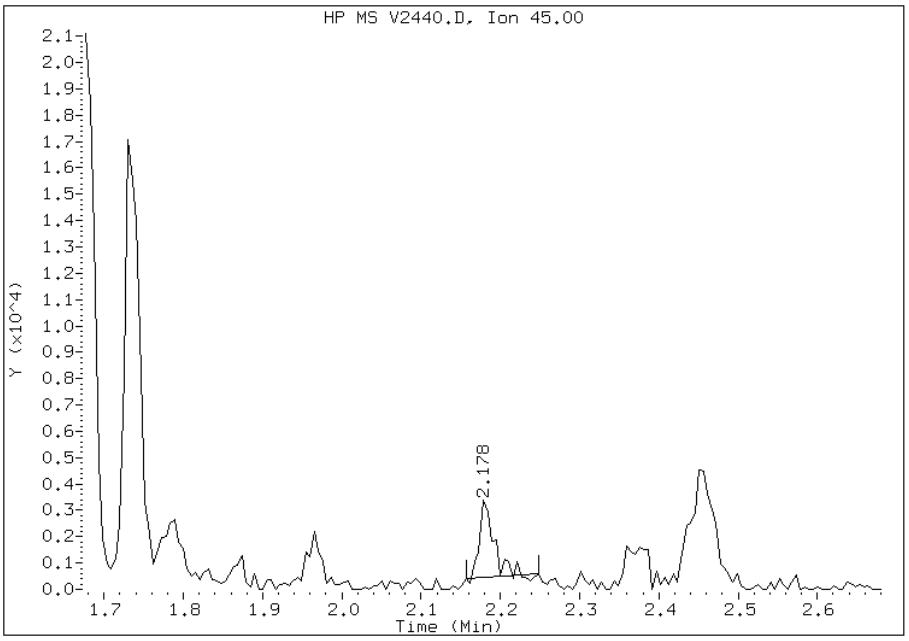
Manual Integration Results

RT: 2.18

Response: 3400

Amount: 10

Conc: 10



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

TestAmerica Inc

Data file : \\consvr05\files\Chem\VOA\msl.i\L110361.b\LB780.D
Lab Smp Id: BFB-607034 Client Smp ID: BFB-607034
Inj Date : 14-JUL-2011 16:12 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : BFB-607034
Misc Info : : ;;; BFB ; 8260B ; 1 ; LLW
Comment :
Method : \\consvr05\files\Chem\VOA\msl.i\L110361.b\LBFB8260.m
Meth Date : 18-Oct-2010 12:56 Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 3 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CON1016

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	2.000	Injection Volume
Cpnd Variable		Local Compound Variable

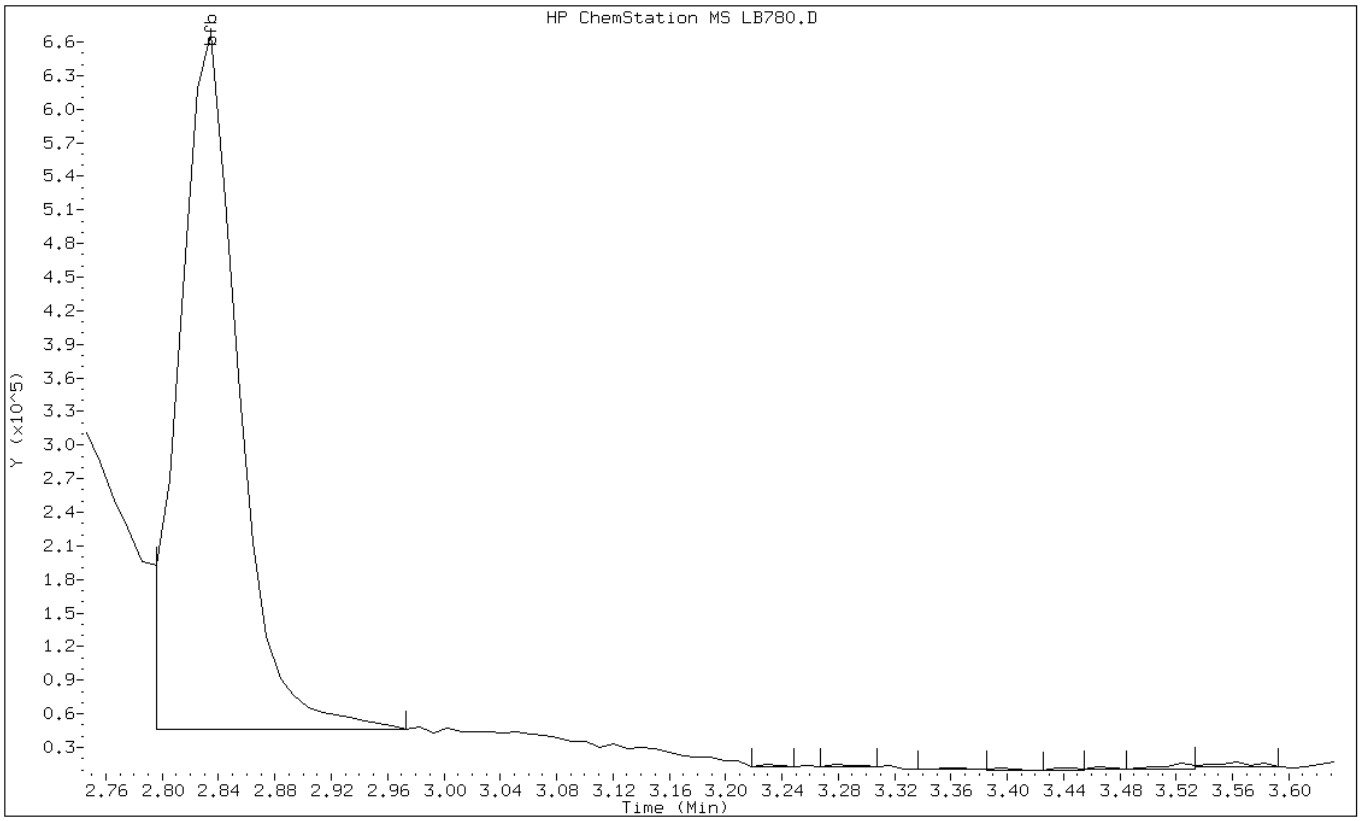
					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
2.834	2.900	(0.000)	95	101120			0.00- 100.00	100.00
2.834	2.900	(0.000)	50	15542			15.00- 40.00	15.37
2.834	2.900	(0.000)	75	46736			30.00- 60.00	46.22
2.834	2.900	(0.000)	96	5754			5.00- 9.00	5.69
2.834	2.900	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
2.834	2.900	(0.000)	174	97208			50.00- 100.00	96.13
2.834	2.900	(0.000)	175	6941			5.00- 9.00	7.14
2.834	2.900	(0.000)	176	92352			95.00- 101.00	95.00
2.834	2.900	(0.000)	177	6208			5.00- 9.00	6.72

Data File: LB780.D

Date: 14-JUL-2011 16:12

Client ID: BFB-607034 Instrument: msl.i

Sample Info: BFB-607034 Operator: E. LYNCH



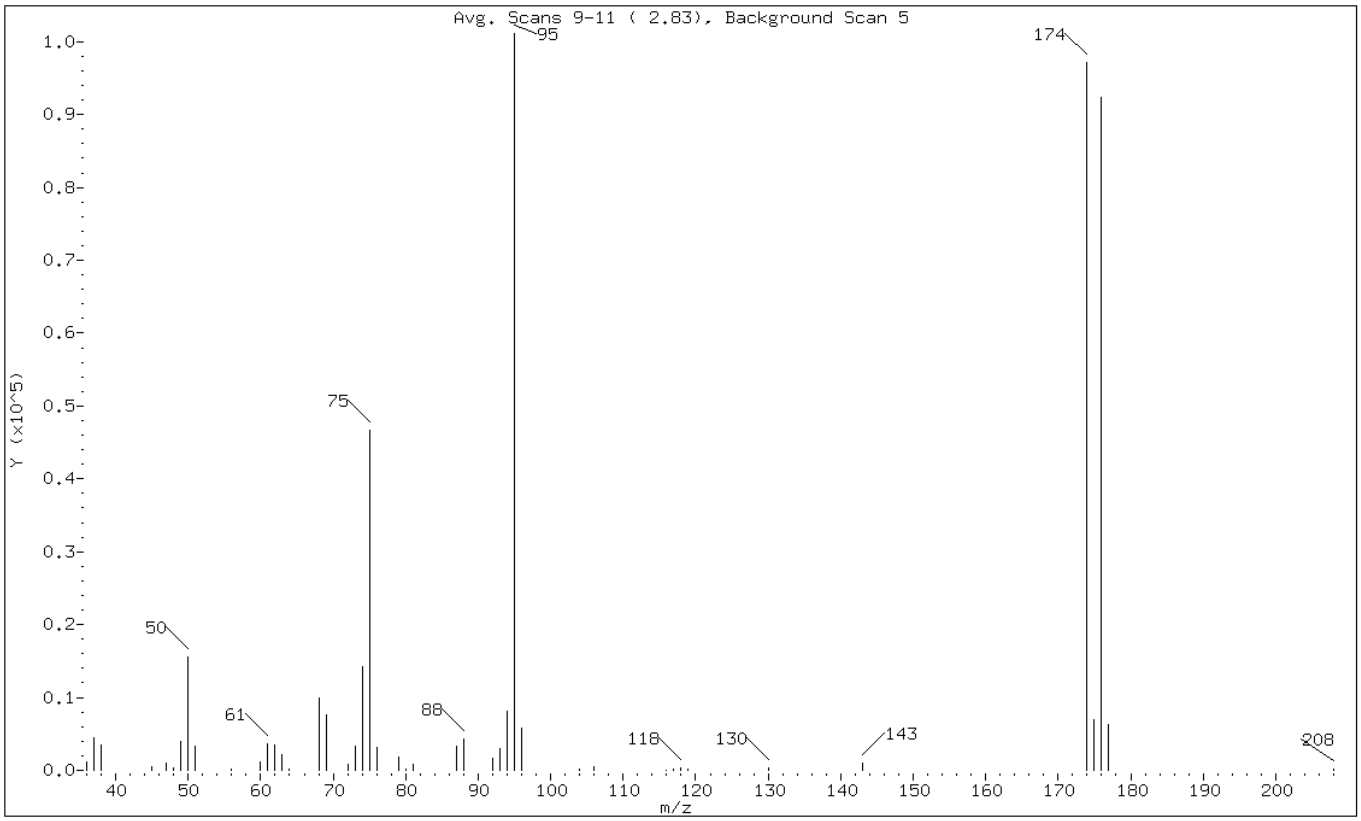
Data File: LB780.D

Date: 14-JUL-2011 16:12

Client ID: BFB-607034 Instrument: msl.i

Sample Info: BFB-607034 Operator: E. LYNCH

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.37
75	30.00 - 60.00% of mass 95	46.22
96	5.00 - 9.00% of mass 95	5.69
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	96.13
175	5.00 - 9.00% of mass 174	6.86 (7.14)
176	95.00 - 101.00% of mass 174	91.33 (95.00)
177	5.00 - 9.00% of mass 176	6.14 (6.72)

Data File: LB780.D

Date: 14-JUL-2011 16:12

Client ID: BFB-607034 Instrument: msl.i

Sample Info: BFB-607034 Operator: E. LYNCH

Data File: \\consvr05\files\Chem\VOA\msl.i\L110361.b\LB780.D
Spectrum: Avg. Scans 9-11 (2.83), Background Scan 5
Location of Maximum: 95.00
Number of points: 45

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1131	62.00	3528	81.00	851	118.00	277
37.00	4455	63.00	2115	87.00	3313	119.00	216
38.00	3519	64.00	123	88.00	4328	130.00	399
45.00	579	68.00	9876	92.00	1602	143.00	998
47.00	918	69.00	7563	93.00	3039	174.00	97208
48.00	410	72.00	870	94.00	8043	175.00	6941
49.00	4001	73.00	3230	95.00	101120	176.00	92352
50.00	15542	74.00	14153	96.00	5754	177.00	6208
51.00	3354	75.00	46736	104.00	126	208.00	170
56.00	97	76.00	3085	106.00	474		
60.00	1203	79.00	1753	116.00	16		
61.00	3675	80.00	170	117.00	176		

TestAmerica Inc

Data file : \\consvr05\files\Chem\VOA\msl.i\L110397.b\LB782.D
Lab Smp Id: BFB-607034 Client Smp ID: BFB-607034
Inj Date : 18-JUL-2011 18:32 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : BFB-607034
Misc Info : : ;;; BFB ; 8260B ; 1 ; LLW
Comment :
Method : \\consvr05\files\Chem\VOA\msl.i\L110397.b\LBFB8260.m
Meth Date : 18-Oct-2010 12:56 Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CON1016

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	2.000	Injection Volume
Cpnd Variable		Local Compound Variable

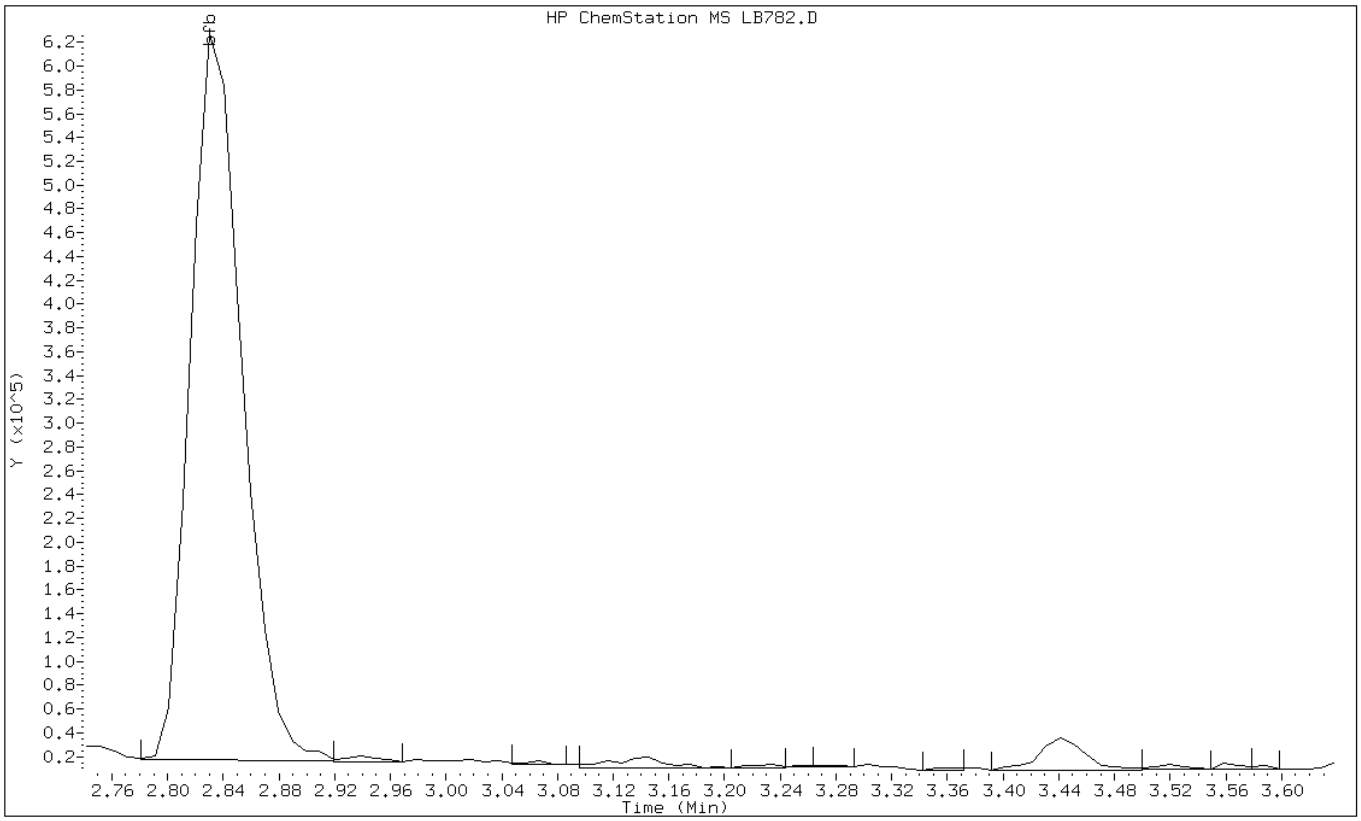
					CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
RT	EXP RT	REL RT	MASS	RESPONSE				
1 bfb							CAS #: 460-00-4	
2.830	2.900	(0.000)	95	114272			0.00- 100.00	100.00
2.830	2.900	(0.000)	50	19680			15.00- 40.00	17.22
2.830	2.900	(0.000)	75	53000			30.00- 60.00	46.38
2.830	2.900	(0.000)	96	8038			5.00- 9.00	7.03
2.830	2.900	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
2.830	2.900	(0.000)	174	102712			50.00- 100.00	89.88
2.830	2.900	(0.000)	175	7382			5.00- 9.00	7.19
2.830	2.900	(0.000)	176	97856			95.00- 101.00	95.27
2.830	2.900	(0.000)	177	6504			5.00- 9.00	6.65

Data File: LB782.D

Date: 18-JUL-2011 18:32

Client ID: BFB-607034 Instrument: msl.i

Sample Info: BFB-607034 Operator: E. LYNCH



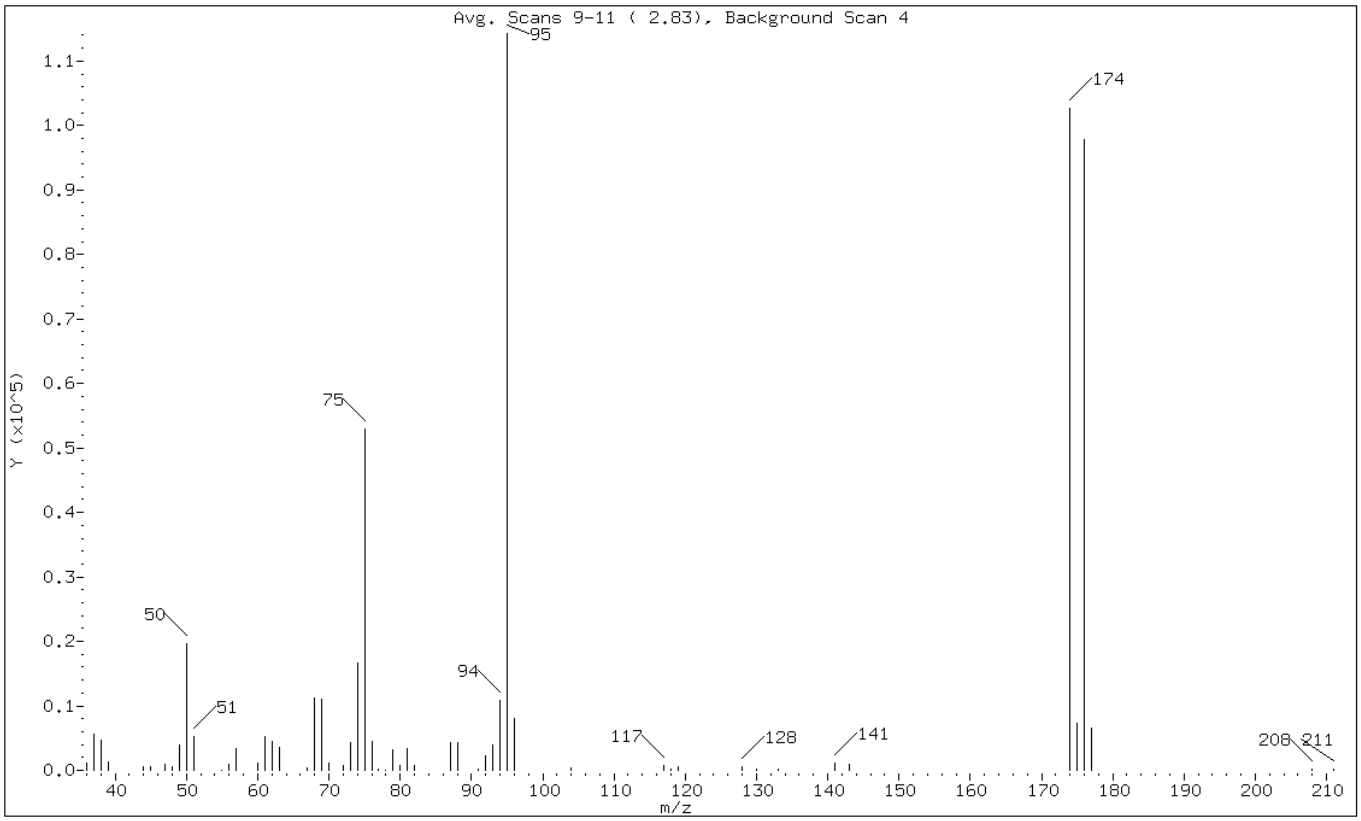
Data File: LB782.D

Date: 18-JUL-2011 18:32

Client ID: BFB-607034 Instrument: msl.i

Sample Info: BFB-607034 Operator: E. LYNCH

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.22
75	30.00 - 60.00% of mass 95	46.38
96	5.00 - 9.00% of mass 95	7.03
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	89.88
175	5.00 - 9.00% of mass 174	6.46 (7.19)
176	95.00 - 101.00% of mass 174	85.63 (95.27)
177	5.00 - 9.00% of mass 176	5.69 (6.65)

Data File: LB782.D

Date: 18-JUL-2011 18:32

Client ID: BFB-607034 Instrument: msl.i

Sample Info: BFB-607034 Operator: E. LYNCH

Data File: \\consvr05\files\Chem\VOA\msl.i\L110397.b\LB782.D
Spectrum: Avg. Scans 9-11 (2.83), Background Scan 4
Location of Maximum: 95.00
Number of points: 56

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1184	61.00	5264	80.00	791	128.00	572
37.00	5668	62.00	4492	81.00	3386	130.00	201
38.00	4635	63.00	3534	82.00	706	133.00	171
39.00	1371	67.00	407	87.00	4307	141.00	1136
44.00	613	68.00	11291	88.00	4307	143.00	913
45.00	550	69.00	11104	91.00	127	174.00	102712
47.00	971	70.00	1137	92.00	2194	175.00	7382
48.00	606	72.00	682	93.00	3952	176.00	97856
49.00	3925	73.00	4260	94.00	10843	177.00	6504
50.00	19680	74.00	16552	95.00	114272	208.00	183
51.00	5324	75.00	53000	96.00	8038	211.00	98
55.00	39	76.00	4554	104.00	374		
56.00	971	77.00	161	117.00	700		
57.00	3397	78.00	36	118.00	190		
60.00	1129	79.00	3157	119.00	471		

TestAmerica Inc

Data file : \\consvr05\Files\Chem\VOA\msv.i\V112191.b\VB561.D
Lab Smp Id: BFB-639321 Client Smp ID: BFB-639321
Inj Date : 13-JUL-2011 14:11 MS Autotune Date: 04-APR-2011 13:44
Operator : B.KOSTRZEWSKA Inst ID: msv.i
Smp Info : BFB-639321
Misc Info :
Comment :
Method : \\consvr05\Files\Chem\VOA\msv.i\V112191.b\VBFB8260.m
Meth Date : 16-Jun-2009 08:21 Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CON1004

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	2.000	Injection Volume
Cpnd Variable		Local Compound Variable

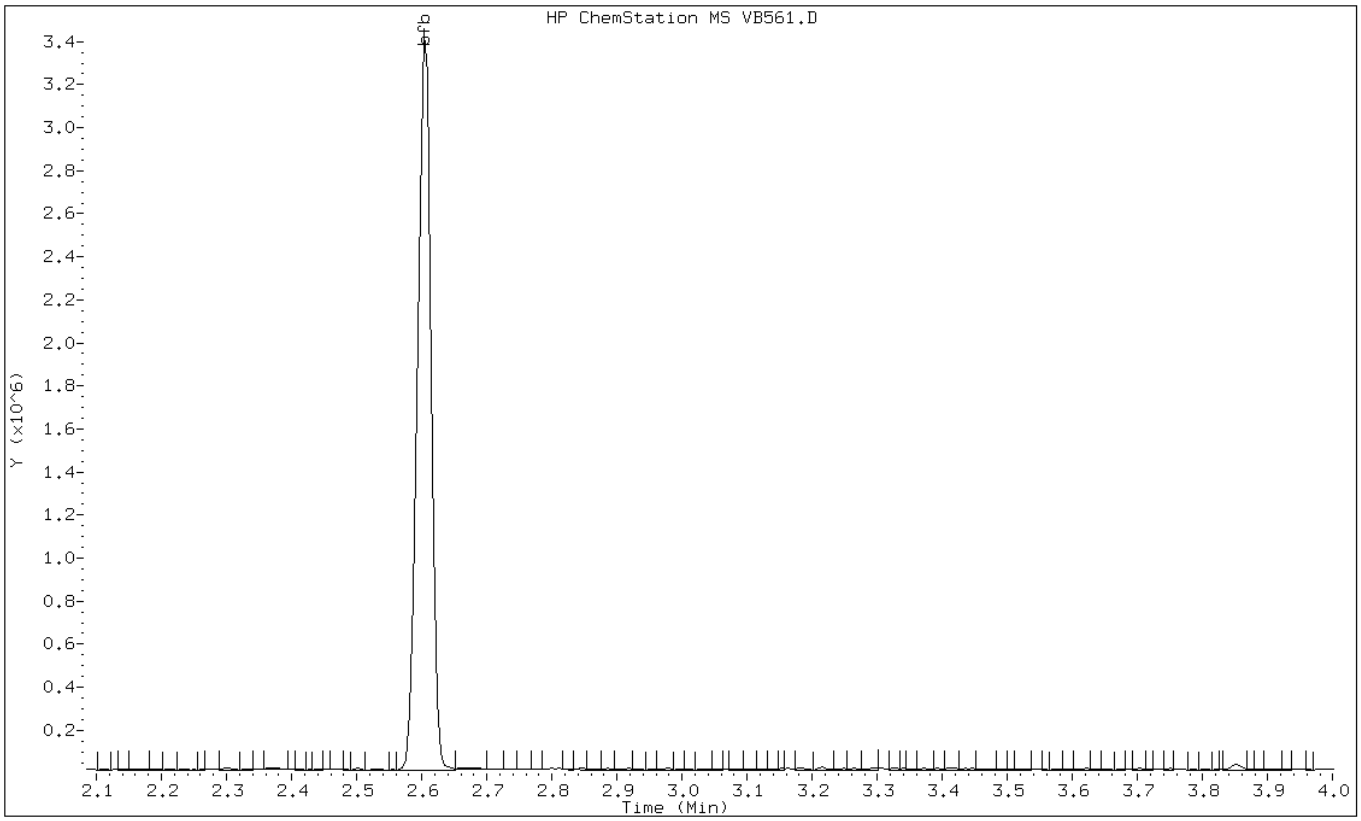
					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
2.602	2.523	(0.000)	95	636864			0.00- 100.00	100.00
2.602	2.523	(0.000)	50	99104			15.00- 40.00	15.56
2.602	2.523	(0.000)	75	312704			30.00- 60.00	49.10
2.602	2.523	(0.000)	96	41408			5.00- 9.00	6.50
2.602	2.523	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
2.602	2.523	(0.000)	174	580864			50.00- 100.00	91.21
2.602	2.523	(0.000)	175	47680			5.00- 9.00	8.21
2.602	2.523	(0.000)	176	557696			95.00- 101.00	96.01
2.602	2.523	(0.000)	177	36104			5.00- 9.00	6.47

Data File: VB561.D

Date: 13-JUL-2011 14:11

Client ID: BFB-639321 Instrument: msv.i

Sample Info: BFB-639321 Operator: B.KOSTRZEWSKA



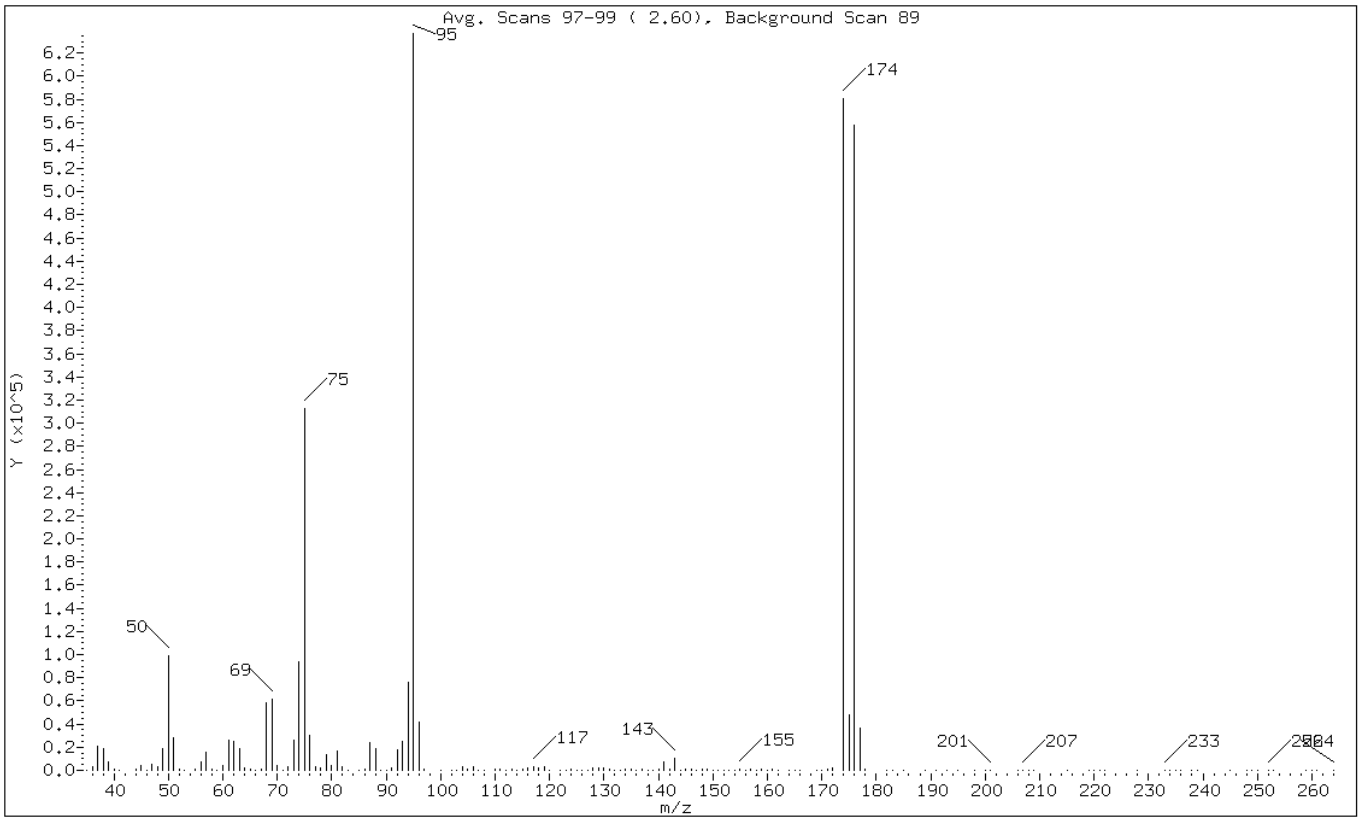
Data File: VB561.D

Date: 13-JUL-2011 14:11

Client ID: BFB-639321 Instrument: msv.i

Sample Info: BFB-639321 Operator: B.KOSTRZEWSKA

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.56
75	30.00 - 60.00% of mass 95	49.10
96	5.00 - 9.00% of mass 95	6.50
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	91.21
175	5.00 - 9.00% of mass 174	7.49 (8.21)
176	95.00 - 101.00% of mass 174	87.57 (96.01)
177	5.00 - 9.00% of mass 176	5.67 (6.47)

Data File: VB561.D

Date: 13-JUL-2011 14:11

Client ID: BFB-639321 Instrument: msv.i

Sample Info: BFB-639321 Operator: B.KOSTRZEWSKA

Data File: \\consvr05\Files\Chem\VOA\msv.i\V112191.b\VB561.D
Spectrum: Avg. Scans 97-99 (2.60), Background Scan 89
Location of Maximum: 95.00
Number of points: 167

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	259	80.00	4506	128.00	2034	174.00	580864
36.00	3349	81.00	17024	129.00	1651	175.00	47680
37.00	21152	82.00	2737	130.00	2168	176.00	557696
38.00	18432	83.00	340	131.00	1526	177.00	36104
39.00	7235	85.00	263	132.00	94	178.00	983
40.00	930	86.00	572	133.00	50	182.00	110
41.00	338	87.00	23872	134.00	550	183.00	94
44.00	819	88.00	19000	135.00	1195	185.00	45
45.00	4481	89.00	45	136.00	216	189.00	54
46.00	243	90.00	53	137.00	1336	191.00	74
47.00	5445	91.00	2407	138.00	128	193.00	50
48.00	2820	92.00	17872	139.00	370	195.00	35
49.00	19256	93.00	25352	140.00	776	198.00	85
50.00	99104	94.00	76584	141.00	7647	200.00	39
51.00	28648	95.00	636864	142.00	603	201.00	104
52.00	1016	96.00	41408	143.00	9997	206.00	52
53.00	229	97.00	1104	144.00	86	207.00	235
55.00	909	100.00	46	145.00	1284	208.00	111
56.00	7078	102.00	3	146.00	1217	209.00	72
57.00	15581	103.00	100	147.00	517	215.00	86
58.00	634	104.00	3179	148.00	1247	219.00	169
59.00	40	105.00	654	149.00	695	220.00	52
60.00	4292	106.00	2682	150.00	480	221.00	64
61.00	26096	107.00	368	151.00	137	222.00	97
62.00	25448	108.00	68	152.00	395	228.00	47
63.00	18568	110.00	542	153.00	347	233.00	293
64.00	1874	111.00	868	154.00	134	234.00	67
65.00	1172	112.00	183	155.00	1334	235.00	33
66.00	288	113.00	631	156.00	14	236.00	123
67.00	1555	114.00	167	157.00	1334	238.00	33
68.00	58664	115.00	754	158.00	287	239.00	48
69.00	61944	116.00	2353	159.00	656	245.00	42
70.00	3907	117.00	3560	160.00	445	248.00	55
71.00	393	118.00	2072	161.00	880	249.00	53
72.00	3332	119.00	3452	162.00	84	250.00	45
73.00	26048	120.00	93	164.00	132	252.00	108
74.00	93968	122.00	171	165.00	127	253.00	83
75.00	312704	123.00	161	166.00	160	259.00	49
76.00	30216	124.00	616	169.00	469	260.00	93
77.00	3200	125.00	152	170.00	461	261.00	102

78.00	2290	126.00	191	171.00	1037	264.00	93
79.00	14014	127.00	6	172.00	1886		

TestAmerica Inc

Data file : \\consvr05\Files\Chem\VOA\msv.i\V112440.b\VB571.D
Lab Smp Id: BFB-639321 Client Smp ID: BFB-639321
Inj Date : 21-JUL-2011 09:42 MS Autotune Date: 04-APR-2011 13:44
Operator : B.KOSTRZEWSKA Inst ID: msv.i
Smp Info : BFB-639321
Misc Info :
Comment :
Method : \\consvr05\Files\Chem\VOA\msv.i\V112440.b\VBFB8260.m
Meth Date : 16-Jun-2009 08:21 Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 12 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CON1004

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	2.000	Injection Volume
Cpnd Variable		Local Compound Variable

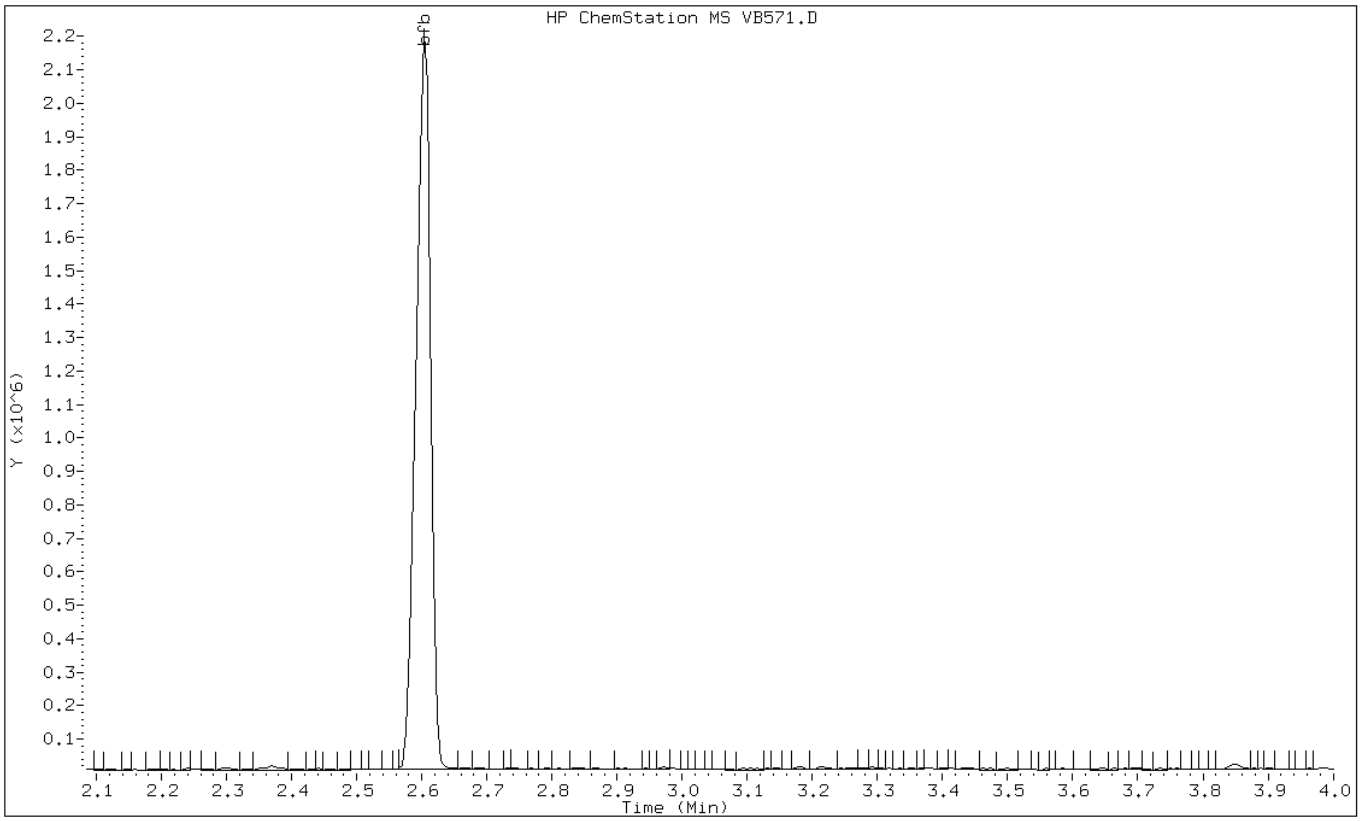
					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
2.602	2.523	(0.000)	95	380736			0.00- 100.00	100.00
2.602	2.523	(0.000)	50	65104			15.00- 40.00	17.10
2.602	2.523	(0.000)	75	208576			30.00- 60.00	54.78
2.602	2.523	(0.000)	96	26992			5.00- 9.00	7.09
2.602	2.523	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
2.602	2.523	(0.000)	174	379712			50.00- 100.00	99.73
2.602	2.523	(0.000)	175	32752			5.00- 9.00	8.63
2.602	2.523	(0.000)	176	377472			95.00- 101.00	99.41
2.602	2.523	(0.000)	177	23336			5.00- 9.00	6.18

Data File: VB571.D

Date: 21-JUL-2011 09:42

Client ID: BFB-639321 Instrument: msv.i

Sample Info: BFB-639321 Operator: B.KOSTRZEWSKA



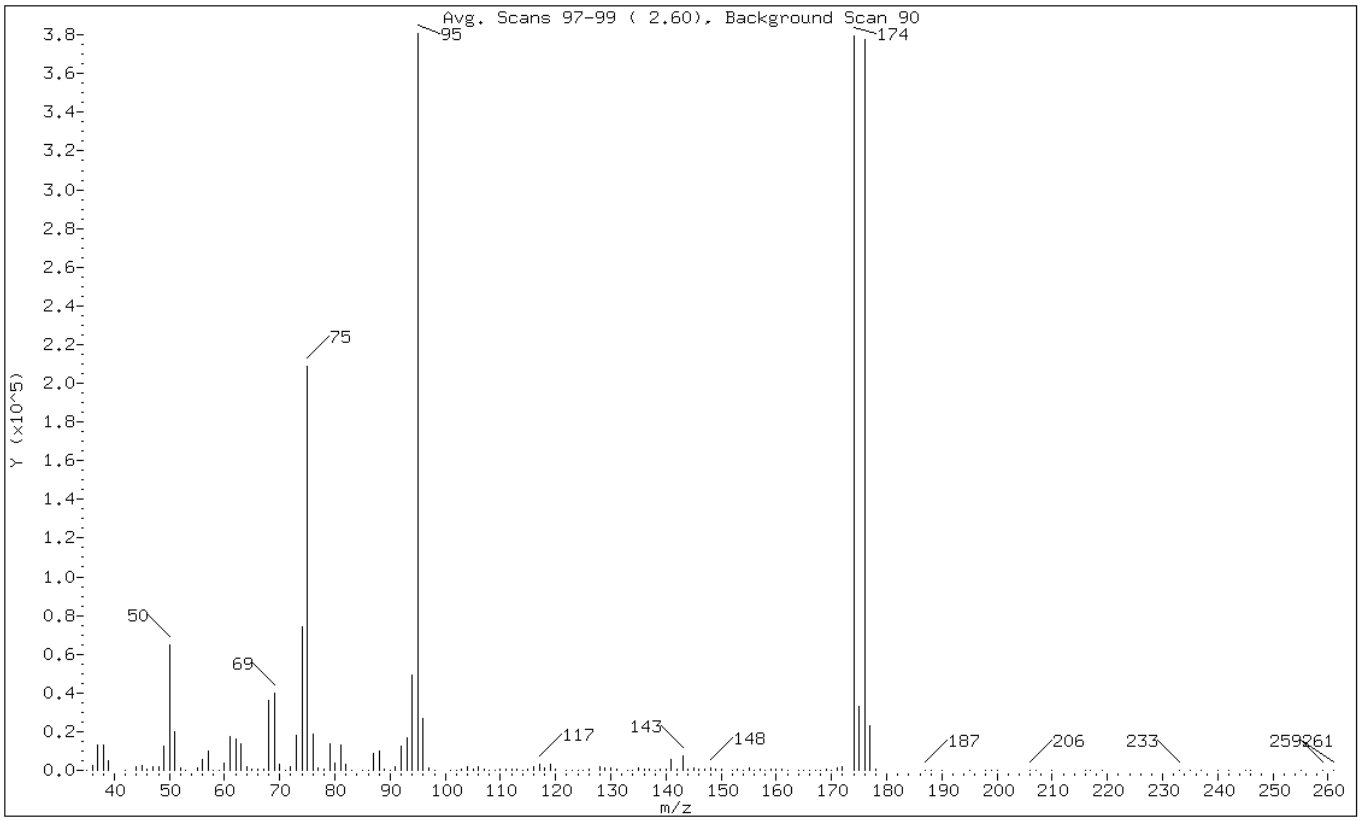
Data File: VB571.D

Date: 21-JUL-2011 09:42

Client ID: BFB-639321 Instrument: msv.i

Sample Info: BFB-639321 Operator: B.KOSTRZEWSKA

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.10
75	30.00 - 60.00% of mass 95	54.78
96	5.00 - 9.00% of mass 95	7.09
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	99.73
175	5.00 - 9.00% of mass 174	8.60 (8.63)
176	95.00 - 101.00% of mass 174	99.14 (99.41)
177	5.00 - 9.00% of mass 176	6.13 (6.18)

Data File: VB571.D

Date: 21-JUL-2011 09:42

Client ID: BFB-639321 Instrument: msv.i

Sample Info: BFB-639321 Operator: B.KOSTRZEWSKA

Data File: \\consvr05\Files\Chem\VOA\msv.i\V112440.b\VB571.D
Spectrum: Avg. Scans 97-99 (2.60), Background Scan 90
Location of Maximum: 95.00
Number of points: 154

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	69	78.00	696	120.00	429	164.00	64
36.00	2652	79.00	13581	122.00	173	165.00	62
37.00	13184	80.00	3528	123.00	39	166.00	51
38.00	13168	81.00	13283	124.00	253	167.00	82
39.00	5110	82.00	3249	125.00	112	168.00	141
42.00	180	83.00	223	126.00	339	169.00	313
44.00	1589	85.00	88	128.00	1882	170.00	203
45.00	2302	86.00	301	129.00	939	171.00	1091
46.00	387	87.00	8825	130.00	1468	172.00	1847
47.00	1751	88.00	9708	131.00	515	174.00	379712
48.00	1593	89.00	445	133.00	6	175.00	32752
49.00	12731	90.00	145	134.00	257	176.00	377472
50.00	65104	91.00	1729	135.00	988	177.00	23336
51.00	20128	92.00	12338	136.00	312	178.00	491
52.00	1121	93.00	16832	137.00	779	187.00	170
53.00	22	94.00	49080	138.00	59	188.00	35
55.00	1279	95.00	380736	139.00	329	190.00	121
56.00	5364	96.00	26992	140.00	344	195.00	65
57.00	9873	97.00	1058	141.00	5845	198.00	70
58.00	119	98.00	151	142.00	711	199.00	53
59.00	110	101.00	39	143.00	7775	200.00	56
60.00	4008	102.00	44	144.00	508	206.00	107
61.00	17480	103.00	344	145.00	1366	207.00	81
62.00	16432	104.00	1693	146.00	824	210.00	54
63.00	13430	105.00	798	147.00	381	216.00	44
64.00	1886	106.00	2135	148.00	1322	217.00	58
65.00	824	107.00	593	149.00	390	219.00	44
66.00	420	108.00	40	150.00	590	233.00	135
67.00	764	109.00	63	152.00	111	235.00	76
68.00	36400	110.00	367	153.00	314	237.00	46
69.00	40080	111.00	609	154.00	178	240.00	82
70.00	3177	112.00	462	155.00	1074	242.00	60
71.00	249	113.00	437	156.00	207	245.00	42
72.00	1824	114.00	52	157.00	379	246.00	54
73.00	18040	115.00	675	158.00	131	255.00	51
74.00	74400	116.00	1710	159.00	536	259.00	101
75.00	208576	117.00	3315	160.00	330	261.00	71
76.00	18808	118.00	1506	161.00	631		
77.00	1319	119.00	3157	162.00	207		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 220-52998/4

Matrix: Water | Lab File ID: L0400.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 07/18/2011 20:06

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 52998 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	1.0
71-43-2	Benzene	5.0	U	5.0	0.74
75-27-4	Bromodichloromethane	5.0	U	5.0	0.48
75-25-2	Bromoform	5.0	U	5.0	0.46
74-83-9	Bromomethane	5.0	U	5.0	2.1
78-93-3	Methyl Ethyl Ketone	10	U	10	1.1
75-15-0	Carbon disulfide	5.0	U	5.0	0.90
56-23-5	Carbon tetrachloride	5.0	U	5.0	1.1
108-90-7	Chlorobenzene	5.0	U	5.0	0.72
75-00-3	Chloroethane	5.0	U	5.0	1.1
67-66-3	Chloroform	5.0	U	5.0	0.67
74-87-3	Chloromethane	5.0	U	5.0	1.1
124-48-1	Dibromochloromethane	5.0	U	5.0	0.55
75-34-3	1,1-Dichloroethane	5.0	U	5.0	1.0
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.72
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.83
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.71
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.28
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.57
100-41-4	Ethylbenzene	5.0	U	5.0	0.87
591-78-6	2-Hexanone	10	U	10	1.1
75-09-2	Methylene Chloride	2.31	J	5.0	0.78
108-10-1	methyl isobutyl ketone	10	U	10	0.38
100-42-5	Styrene	5.0	U	5.0	0.64
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81
127-18-4	Tetrachloroethene	5.0	U	5.0	0.81
108-88-3	Toluene	5.0	U	5.0	0.72
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.69
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.65
79-01-6	Trichloroethene	5.0	U	5.0	0.62
75-01-4	Vinyl chloride	5.0	U	5.0	0.99
1330-20-7	Xylenes, Total	5.0	U	5.0	2.3
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.99
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 220-52998/4

Matrix: Water Lab File ID: L0400.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/18/2011 20:06

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 52998 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	69		65-136
460-00-4	4-Bromofluorobenzene	70		51-142
1868-53-7	Dibromofluoromethane	73		68-132
2037-26-5	Toluene-d8 (Surr)	72		63-127

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msl.i\L110397.b\L0400.D
Lab Smp Id: MB-638551 Client Smp ID: MB-638551
Inj Date : 18-JUL-2011 20:06 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : MB-638551
Misc Info : LLW
Comment :
Method : \\consvr05\Files\chem\VOA\msl.i\L110397.b\L8260BNW.m
Meth Date : 26-Jul-2011 16:52 msl.i Quant Type: ISTD
Cal Date : 14-JUL-2011 20:38 Cal File: L0371.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1016

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

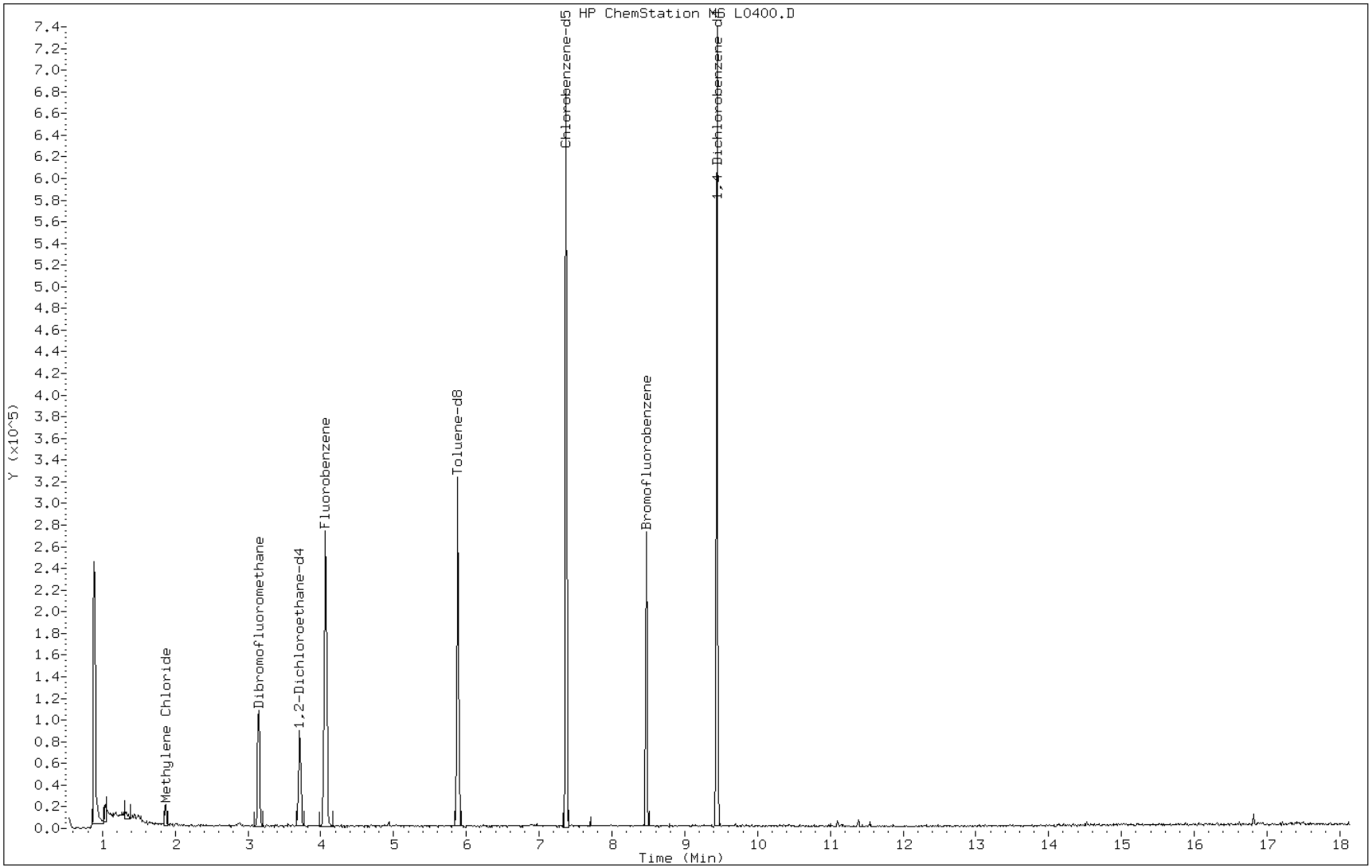
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	1 Fluorobenzene	96	4.063	4.069	(1.000)	338546	25.0000	
	20 Methylene Chloride	84	1.869	1.865	(0.460)	8756	2.31226	2
$	41 Dibromofluoromethane	111	3.148	3.145	(0.775)	75692	18.2397	18
	52 Benzene	78	3.561	3.558	(0.877)	1696	0.14556	0.1
$	55 1,2-Dichloroethane-d4	65	3.709	3.715	(0.913)	85635	17.3691	17
*	75 Chlorobenzene-d5	117	7.369	7.375	(1.000)	354383	25.0000	
$	77 Toluene-d8	98	5.883	5.880	(0.798)	213857	17.8797	18
*	95 1,4-Dichlorobenzene-d4	152	9.445	9.441	(1.000)	184995	25.0000	
$	125 Bromofluorobenzene	95	8.471	8.467	(0.897)	77115	17.4503	17

Data File: L0400.D

Date: 18-JUL-2011 20:06

Client ID: MB-638551 Instrument: msl.i

Sample Info: MB-638551 Operator: E. LYNCH



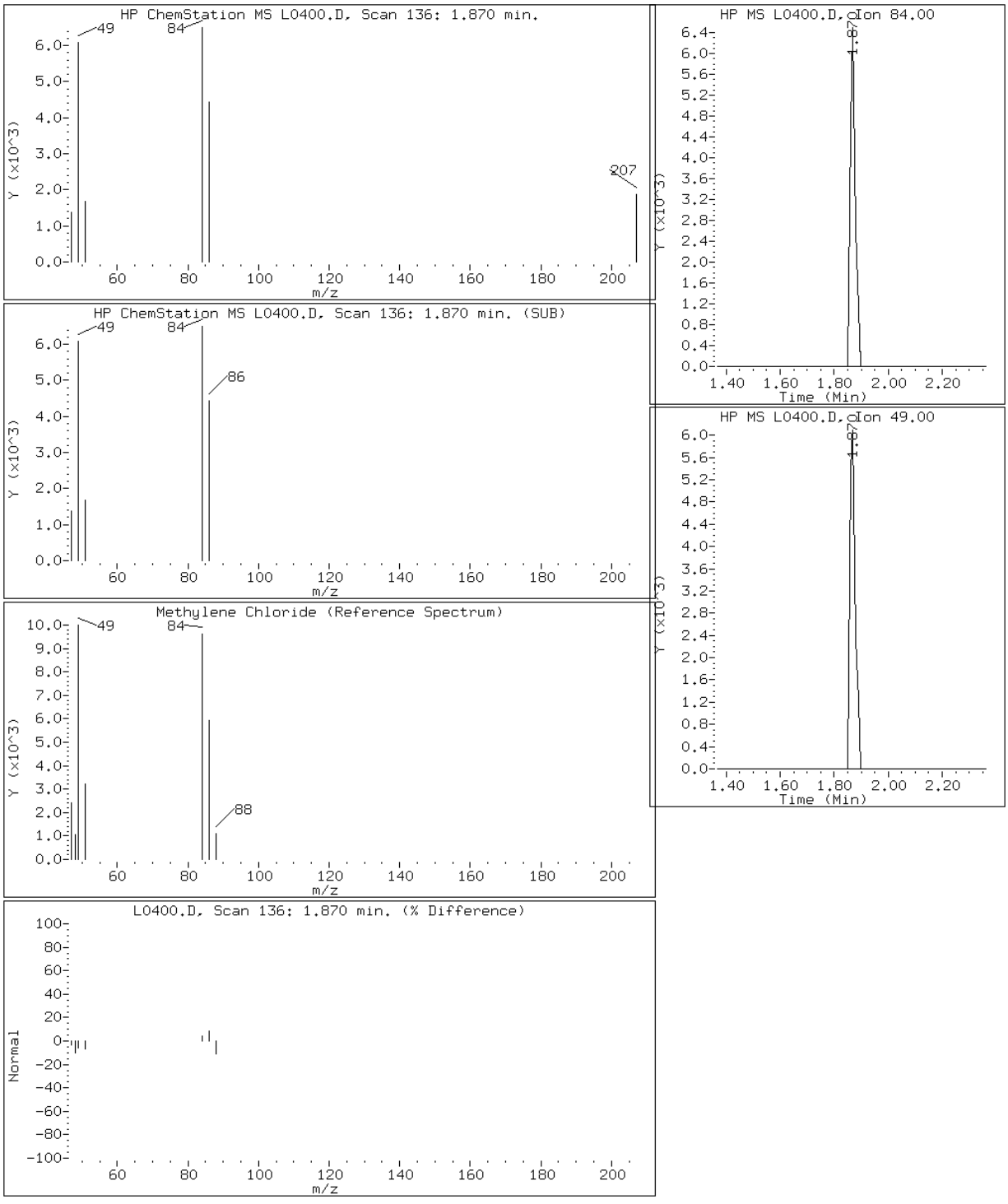
Data File: L0400.D

Date: 18-JUL-2011 20:06

Client ID: MB-638551 Instrument: msl.i

Sample Info: MB-638551 Operator: E. LYNCH

20 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 220-53156/3

Matrix: Water Lab File ID: V2444.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2011 11:48

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 53156 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	10	U	10	1.0
71-43-2	Benzene	5.0	U	5.0	0.74
75-27-4	Bromodichloromethane	5.0	U	5.0	0.48
75-25-2	Bromoform	5.0	U	5.0	0.46
74-83-9	Bromomethane	5.0	U	5.0	2.1
78-93-3	Methyl Ethyl Ketone	10	U	10	1.1
75-15-0	Carbon disulfide	5.0	U	5.0	0.90
56-23-5	Carbon tetrachloride	5.0	U	5.0	1.1
108-90-7	Chlorobenzene	5.0	U	5.0	0.72
75-00-3	Chloroethane	5.0	U	5.0	1.1
67-66-3	Chloroform	5.0	U	5.0	0.67
74-87-3	Chloromethane	5.0	U	5.0	1.1
124-48-1	Dibromochloromethane	5.0	U	5.0	0.55
75-34-3	1,1-Dichloroethane	5.0	U	5.0	1.0
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.72
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.83
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.71
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.28
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.57
100-41-4	Ethylbenzene	5.0	U	5.0	0.87
591-78-6	2-Hexanone	10	U	10	1.1
75-09-2	Methylene Chloride	2.53	J	5.0	0.78
108-10-1	methyl isobutyl ketone	10	U	10	0.38
100-42-5	Styrene	5.0	U	5.0	0.64
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81
127-18-4	Tetrachloroethene	5.0	U	5.0	0.81
108-88-3	Toluene	5.0	U	5.0	0.72
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.69
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.65
79-01-6	Trichloroethene	5.0	U	5.0	0.62
75-01-4	Vinyl chloride	5.0	U	5.0	0.99
1330-20-7	Xylenes, Total	5.0	U	5.0	2.3
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.99
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 220-53156/3

Matrix: Water Lab File ID: V2444.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2011 11:48

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 53156 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		65-136
460-00-4	4-Bromofluorobenzene	76		51-142
1868-53-7	Dibromofluoromethane	105		68-132
2037-26-5	Toluene-d8 (Surr)	83		63-127

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msv.i\V112440.b\V2444.D
Lab Smp Id: MB-639322 Client Smp ID: MB-639322
Inj Date : 21-JUL-2011 11:48 MS Autotune Date: 04-APR-2011 13:44
Operator : B.KOSTRZEWSKA Inst ID: msv.i
Smp Info : MB-639322
Misc Info :
Comment :
Method : \\consvr05\Files\chem\VOA\msv.i\V112440.b\V8260LOW.m
Meth Date : 21-Jul-2011 10:11 barbara Quant Type: ISTD
Cal Date : 13-JUL-2011 16:47 Cal File: V2196.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

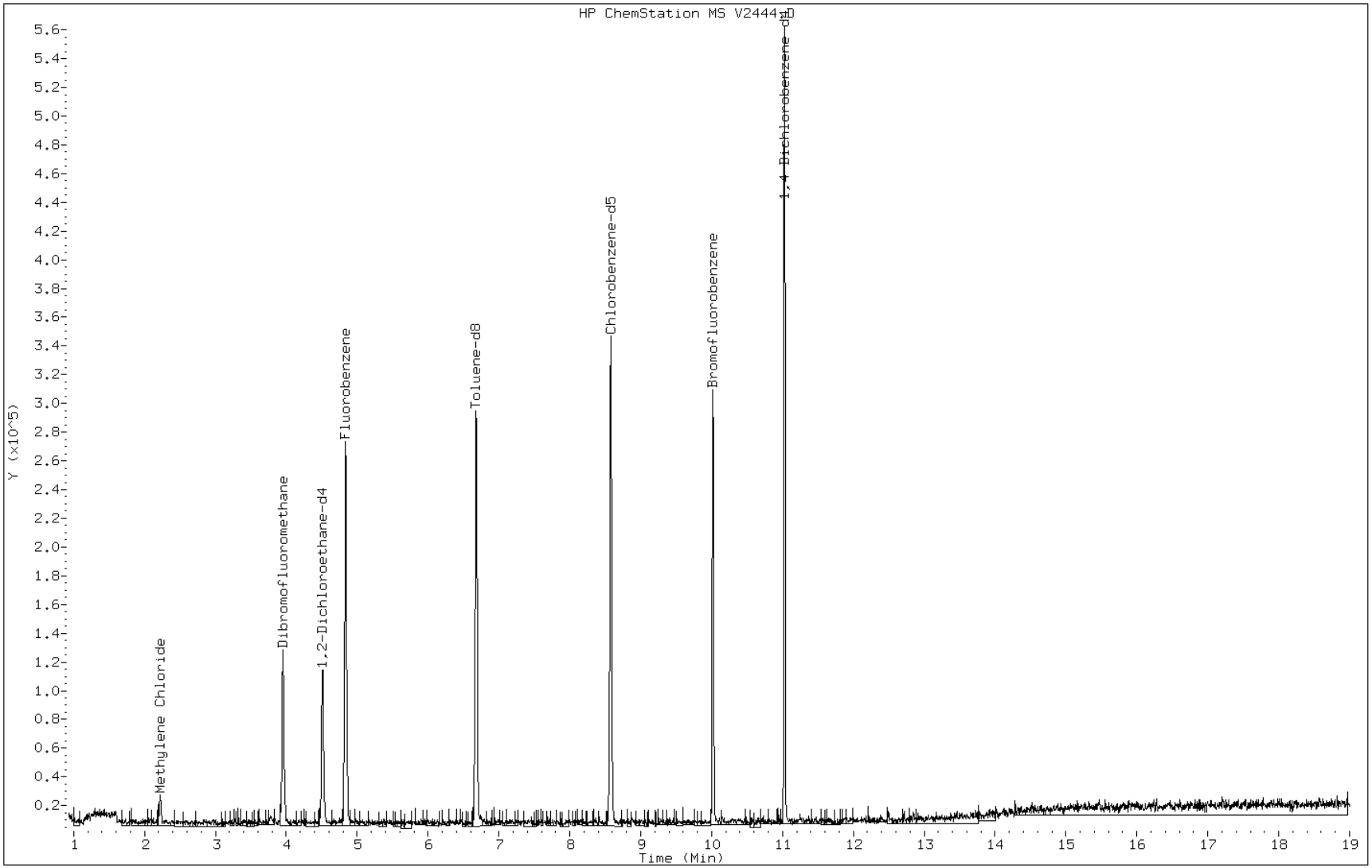
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	1 Fluorobenzene	96	4.836	4.836	(1.000)	243037	25.0000	
	20 Methylene Chloride	84	2.215	2.226	(0.458)	7779	2.52690	2
$	41 Dibromofluoromethane	111	3.955	3.955	(0.818)	71257	26.2533	26
$	55 1,2-Dichloroethane-d4	65	4.510	4.516	(0.933)	92276	28.4790	28
*	75 Chlorobenzene-d5	117	8.577	8.577	(1.000)	198222	25.0000	
$	77 Toluene-d8	98	6.677	6.677	(0.778)	212312	20.7424	21
*	95 1,4-Dichlorobenzene-d4	152	11.027	11.027	(1.000)	118117	25.0000	
$	125 Bromofluorobenzene	95	10.018	10.018	(0.909)	74432	19.0796	19

Data File: V2444.D

Date: 21-JUL-2011 11:48

Client ID: MB-639322 Instrument: msv.i

Sample Info: MB-639322 Operator: B.KOSTRZEWSKA



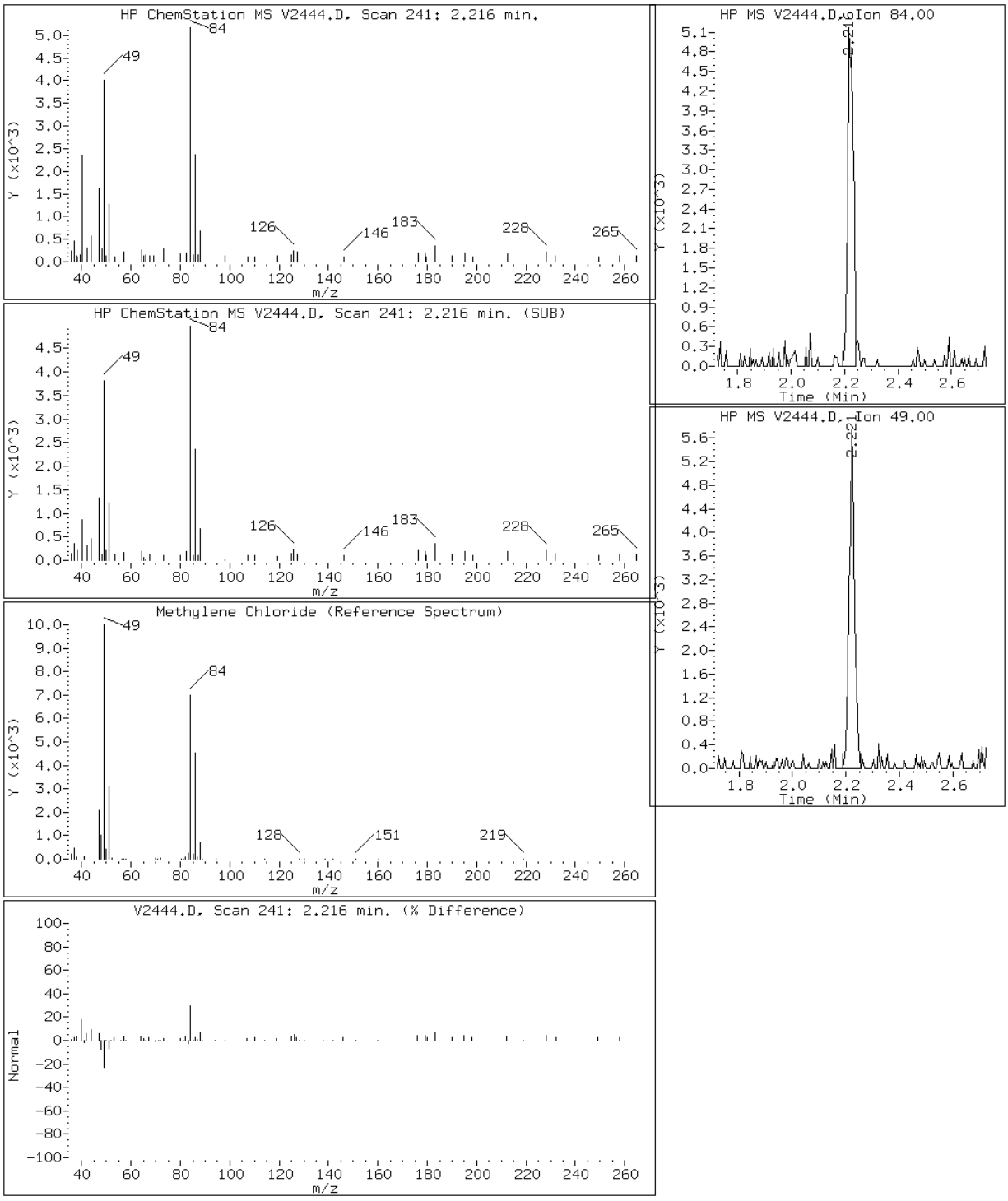
Data File: V2444.D

Date: 21-JUL-2011 11:48

Client ID: MB-639322 Instrument: msv.i

Sample Info: MB-639322 Operator: B.KOSTRZEWSKA

20 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 220-52998/2

Matrix: Water Lab File ID: L0398.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/18/2011 19:18

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 52998 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	27.2		10	1.0
71-43-2	Benzene	21.3		5.0	0.74
75-27-4	Bromodichloromethane	19.7		5.0	0.48
75-25-2	Bromoform	18.6		5.0	0.46
74-83-9	Bromomethane	27.7		5.0	2.1
78-93-3	Methyl Ethyl Ketone	21.6		10	1.1
75-15-0	Carbon disulfide	20.7		5.0	0.90
56-23-5	Carbon tetrachloride	20.9		5.0	1.1
108-90-7	Chlorobenzene	19.9		5.0	0.72
75-00-3	Chloroethane	25.4		5.0	1.1
67-66-3	Chloroform	20.2		5.0	0.67
74-87-3	Chloromethane	19.6		5.0	1.1
124-48-1	Dibromochloromethane	18.6		5.0	0.55
75-34-3	1,1-Dichloroethane	21.0		5.0	1.0
107-06-2	1,2-Dichloroethane	19.9		5.0	0.72
75-35-4	1,1-Dichloroethene	22.3		5.0	0.83
78-87-5	1,2-Dichloropropane	21.0		5.0	0.71
10061-01-5	cis-1,3-Dichloropropene	20.3		5.0	0.28
10061-02-6	trans-1,3-Dichloropropene	20.5		5.0	0.57
100-41-4	Ethylbenzene	19.9		5.0	0.87
591-78-6	2-Hexanone	19.8		10	1.1
75-09-2	Methylene Chloride	21.1		5.0	0.78
108-10-1	methyl isobutyl ketone	19.3		10	0.38
100-42-5	Styrene	19.5		5.0	0.64
79-34-5	1,1,2,2-Tetrachloroethane	19.9		5.0	0.81
127-18-4	Tetrachloroethene	19.1		5.0	0.81
108-88-3	Toluene	19.8		5.0	0.72
71-55-6	1,1,1-Trichloroethane	19.9		5.0	0.69
79-00-5	1,1,2-Trichloroethane	20.5		5.0	0.65
79-01-6	Trichloroethene	21.3		5.0	0.62
75-01-4	Vinyl chloride	21.0		5.0	0.99
1330-20-7	Xylenes, Total	59.6		5.0	2.3
156-59-2	cis-1,2-Dichloroethene	21.0		5.0	0.99
156-60-5	trans-1,2-Dichloroethene	21.2		5.0	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 220-52998/2

Matrix: Water Lab File ID: L0398.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/18/2011 19:18

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 52998 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	68		65-136
460-00-4	4-Bromofluorobenzene	69		51-142
1868-53-7	Dibromofluoromethane	71		68-132
2037-26-5	Toluene-d8 (Surr)	70		63-127

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msl.i\L110397.b\L0398.D
Lab Smp Id: LCS-638544 Client Smp ID: LCS-638544
Inj Date : 18-JUL-2011 19:18 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : LCS-638544
Misc Info : LLW
Comment :
Method : \\consvr05\files\Chem\VOA\msl.i\L110397.b\L8260BNW.m
Meth Date : 26-Jul-2011 16:52 msl.i Quant Type: ISTD
Cal Date : 14-JUL-2011 20:38 Cal File: L0371.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1001

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 1	Fluorobenzene	96	4.063	4.069	(1.000)	341412	25.0000	
2	Dichlorodifluoromethane	85	0.954	0.950	(0.235)	44011	20.6944	21
3	Chloromethane	50	1.042	1.049	(0.257)	52552	19.5999	20
4	Vinyl Chloride	62	1.072	1.078	(0.264)	54324	20.9706	21
5	Bromomethane	94	1.219	1.216	(0.300)	43039	27.6853	28
6	Chloroethane	64	1.278	1.275	(0.315)	38138	25.3553	25
7	Trichlorofluoromethane	101	1.337	1.334	(0.329)	83483	22.2898	22
8	Dichlorofluoromethane	67	1.357	1.354	(0.334)	109381	21.6184	22
9	Ethyl Ether	45	1.465	1.462	(0.361)	28876	19.3222	19
10	Ethanol	45	1.514	1.521	(0.373)	32942	220.141	220(M)
12	Freon 123	67	1.573	1.580	(0.387)	18034	20.8503	21
13	Trichlorotrifluoroethane	101	1.583	1.580	(0.390)	57997	20.9836	21
14	1,1-Dichloroethene	96	1.573	1.570	(0.387)	55349	22.3008	22
15	Carbon Disulfide	76	1.603	1.600	(0.395)	192946	20.6821	21
16	Iodomethane	142	1.652	1.659	(0.407)	135457	22.4826	22
17	Acrolein	56	1.741	1.738	(0.429)	60120	98.8335	99
18	2-Propanol	45	1.593	1.600	(0.392)	3323	13.6678	14
19	3-Chloro-1-Propene	41	1.810	1.806	(0.445)	76847	21.4269	21
20	Methylene Chloride	84	1.869	1.865	(0.460)	80650	21.1191	21
21	Acetone	43	1.888	1.885	(0.465)	34333	27.2495	27
22	trans-1,2-Dichloroethene	96	1.957	1.954	(0.482)	68138	21.1620	21
23	Methyl Acetate	43	1.947	1.954	(0.479)	293955	21.7785	22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	24 Methyl tert-Butyl Ether	73	2.006	2.003	(0.494)	245430	20.8024	21
	25 tert-Butyl alcohol	59	2.046	2.052	(0.504)	65344	115.129	120
	26 Acetonitrile	41	2.174	2.170	(0.535)	64702	222.268	220
	27 Isopropyl ether	45	2.233	2.229	(0.550)	190698	21.0374	21
	28 tert-Butyl ethyl ether	59	2.488	2.485	(0.613)	234582	20.7411	21
	29 2-Chloro-1,3-Butadiene	88	2.321	2.328	(0.571)	58652	20.4925	20
	30 Acrylonitrile	53	2.370	2.377	(0.584)	57189	42.7674	43
	31 1,1-Dichloroethane	63	2.341	2.338	(0.576)	121355	20.9872	21
	32 Vinyl Acetate	43	2.498	2.505	(0.615)	173554	19.7982	20
	33 cis-1,2-Dichloroethene	96	2.744	2.741	(0.676)	80511	20.9923	21
	34 2,2-Dichloropropane	77	2.833	2.830	(0.697)	113973	20.8414	21
	35 Bromochloromethane	128	2.911	2.908	(0.717)	51612	21.1853	21
	37 Cyclohexane	84	2.911	2.908	(0.717)	62281	20.9871	21
	38 Chloroform	83	2.971	2.977	(0.731)	132460	20.1922	20
	39 Ethyl Acetate	43	3.089	3.085	(0.760)	9839	42.6006	43(M)
	40 Methyl Acrylate	55	3.089	3.095	(0.760)	73585	20.6139	21
$	41 Dibromofluoromethane	111	3.148	3.145	(0.775)	74060	17.6966	18
	42 Tetrahydrofuran	42	3.118	3.115	(0.768)	47430	40.9735	41
	43 Carbon Tetrachloride	117	3.098	3.105	(0.763)	84519	20.9261	21
	44 1,1,1-Trichloroethane	97	3.167	3.164	(0.780)	96771	19.9056	20
	45 2-Butanone	43	3.266	3.263	(0.804)	39598	21.6108	22
	46 1,1-Dichloropropene	75	3.285	3.292	(0.809)	93573	20.6942	21
	47 tert-Amyl methyl ether	73	3.689	3.695	(0.908)	235610	21.4330	21
	49 1-Chlorobutane	56	3.344	3.341	(0.823)	118842	21.1114	21
	50 Heptane	43	3.689	3.695	(0.908)	68419	20.7168	21
	51 Propionitrile	54	3.581	3.587	(0.881)	116338	206.371	210
	52 Benzene	78	3.551	3.558	(0.874)	249739	21.2540	21
	53 2-Methyl-2-Propenenitrile	41	3.610	3.607	(0.889)	50640	21.0863	21(M)
	54 Isobutyl alcohol	42	3.856	3.853	(0.949)	19301	195.516	200
$	55 1,2-Dichloroethane-d4	65	3.708	3.715	(0.913)	84299	16.9546	17
	56 1,2-Dichloroethane	62	3.797	3.794	(0.935)	112922	19.9212	20
	59 Methyl Cyclohexane	83	4.259	4.266	(1.048)	57914	19.5135	20
	60 Trichloroethene	130	4.289	4.286	(1.056)	84554	21.2846	21
	63 Dibromomethane	93	4.791	4.788	(1.179)	57012	20.4904	20
	64 1,2-Dichloropropane	63	4.909	4.906	(1.208)	64787	21.0078	21
	65 Bromodichloromethane	83	4.997	5.004	(1.230)	102364	19.7006	20
	176 Ethyl acrylate	55	5.214	5.221	(1.283)	4347	0.76883	0.8(A)
	66 Methyl Methacrylate	69	5.214	5.221	(1.283)	64094	20.5540	20(R)
	67 1,4-Dioxane	58	5.233	5.230	(1.288)	6492	173.933	170
	69 2-Chloroethylvinylether	63	5.657	5.663	(1.392)	53410	20.3487	20
	70 cis-1,3-Dichloropropene	75	5.696	5.693	(1.402)	122114	20.3390	20
	71 Chloroacetonitrile	48	6.119	6.116	(1.506)	30577	219.641	220(R)
	72 2-Nitropropane	41	6.168	6.175	(1.518)	53893	38.4421	38
	73 trans-1,3-Dichloropropene	75	6.375	6.372	(1.569)	125135	20.4902	20
	74 1,1,2-Trichloroethane	97	6.522	6.519	(1.605)	69637	20.4943	20
*	75 Chlorobenzene-d5	117	7.369	7.375	(1.000)	356660	25.0000	
	76 Toluene	91	5.932	5.939	(0.805)	254663	19.7662	20
$	77 Toluene-d8	98	5.883	5.880	(0.798)	211876	17.6010	18
	78 1,1-Dichloro-2-propanone	43	6.178	6.185	(0.838)	217511	95.7451	96(M)
	79 4-Methyl-2-Pentanone	43	6.345	6.342	(0.861)	77077	19.2847	19
	80 Tetrachloroethene	164	6.316	6.313	(0.857)	56344	19.0979	19
	81 Ethyl Methacrylate	69	6.572	6.568	(0.892)	96121	19.0286	19
	82 Dibromochloromethane	129	6.680	6.687	(0.907)	97945	18.5655	18
	83 1,3-Dichloropropane	76	6.768	6.775	(0.919)	119564	19.3313	19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
84	1,2-Dibromoethane	107	6.877	6.883	(0.933)	89635	19.4017	19
86	2-Hexanone	43	7.152	7.149	(0.971)	58711	19.8030	20
87	1-Chlorohexane	91	7.398	7.415	(1.004)	67680	19.8204	20(M)
88	Chlorobenzene	112	7.388	7.385	(1.003)	188210	19.8759	20
89	1,1,1,2-Tetrachloroethane	131	7.457	7.454	(1.012)	78110	19.2040	19
90	Ethylbenzene	106	7.428	7.434	(1.008)	83780	19.9438	20
91	Xylene (total)mp	106	7.565	7.572	(1.027)	207599	40.2629	40
92	Xylene (total)o	106	7.949	7.946	(1.079)	101617	19.3314	19
93	Styrene	104	7.998	8.005	(1.085)	181358	19.4876	19
94	Bromoform	173	8.008	8.005	(1.087)	71038	18.5902	18
* 95	1,4-Dichlorobenzene-d4	152	9.445	9.441	(1.000)	183136	25.0000	
96	Isopropylbenzene	105	8.234	8.241	(0.872)	193822	19.6870	20
97	Bromobenzene	156	8.549	8.546	(0.905)	93308	19.6128	20
98	1,1,2,2-Tetrachloroethane	83	8.677	8.684	(0.919)	101990	19.9067	20
99	4-Ethyltoluene	105	8.707	8.704	(0.922)	201289	19.8292	20
100	1,2,3-Trichloropropane	110	8.776	8.782	(0.929)	32011	19.6455	20
101	trans-1,4-Dichloro-2-Butene	53	8.825	8.831	(0.934)	56644	41.6404	42
102	n-Propylbenzene	91	8.598	8.605	(0.910)	225726	19.7496	20
103	2-Chlorotoluene	91	8.717	8.723	(0.923)	184248	20.2815	20
104	4-Chlorotoluene	91	8.864	8.871	(0.939)	172767	19.6953	20
105	1,3,5-Trimethylbenzene	105	8.785	8.782	(0.930)	164462	20.1242	20
106	tert-Butylbenzene	119	9.051	9.058	(0.958)	134507	19.5496	20
107	1,2,4-Trimethylbenzene	105	9.120	9.117	(0.966)	174287	19.7295	20
108	sec-Butylbenzene	105	9.208	9.205	(0.975)	186586	19.4821	19
109	4-Isopropyltoluene	119	9.336	9.343	(0.989)	162982	19.2660	19
110	1,3-Dichlorobenzene	146	9.376	9.382	(0.993)	132901	19.7019	20
111	1,4-Dichlorobenzene	146	9.454	9.461	(1.001)	139068	19.7213	20
112	1,2-Dichlorobenzene	146	9.818	9.815	(1.040)	132973	19.4485	19
113	Benzyl Chloride	126	9.681	9.687	(1.025)	44734	21.5436	22
114	1,4-Diethylbenzene	119	9.661	9.658	(2.378)	79918	19.6247	20
115	n-Butylbenzene	91	9.700	9.707	(1.027)	181520	19.5511	20(M)
118	1,2,4,5-Tetramethylbenzene	119	10.360	10.356	(2.550)	157109	19.5931	20
119	1,2-Dibromo-3-chloropropane	75	10.517	10.514	(1.114)	21812	18.9673	19
120	Nitrobenzene	77	10.999	11.006	(1.165)	107687	170.516	170
121	1,2,4-Trichlorobenzene	180	11.107	11.104	(1.176)	72119	18.7500	19
122	Hexachlorobutadiene	225	11.098	11.094	(1.175)	21294	12.5728	12
123	Naphthalene	128	11.383	11.390	(1.205)	272264	19.2416	19
124	1,2,3-Trichlorobenzene	180	11.550	11.547	(1.223)	70200	18.5304	18
$ 125	Bromofluorobenzene	95	8.471	8.467	(0.897)	75016	17.1476	17
M 126	1,2-Dichloroethene (total)	100				148649	42.1542	42
M 127	Xylene (total)	100				309216	59.5944	60

QC Flag Legend

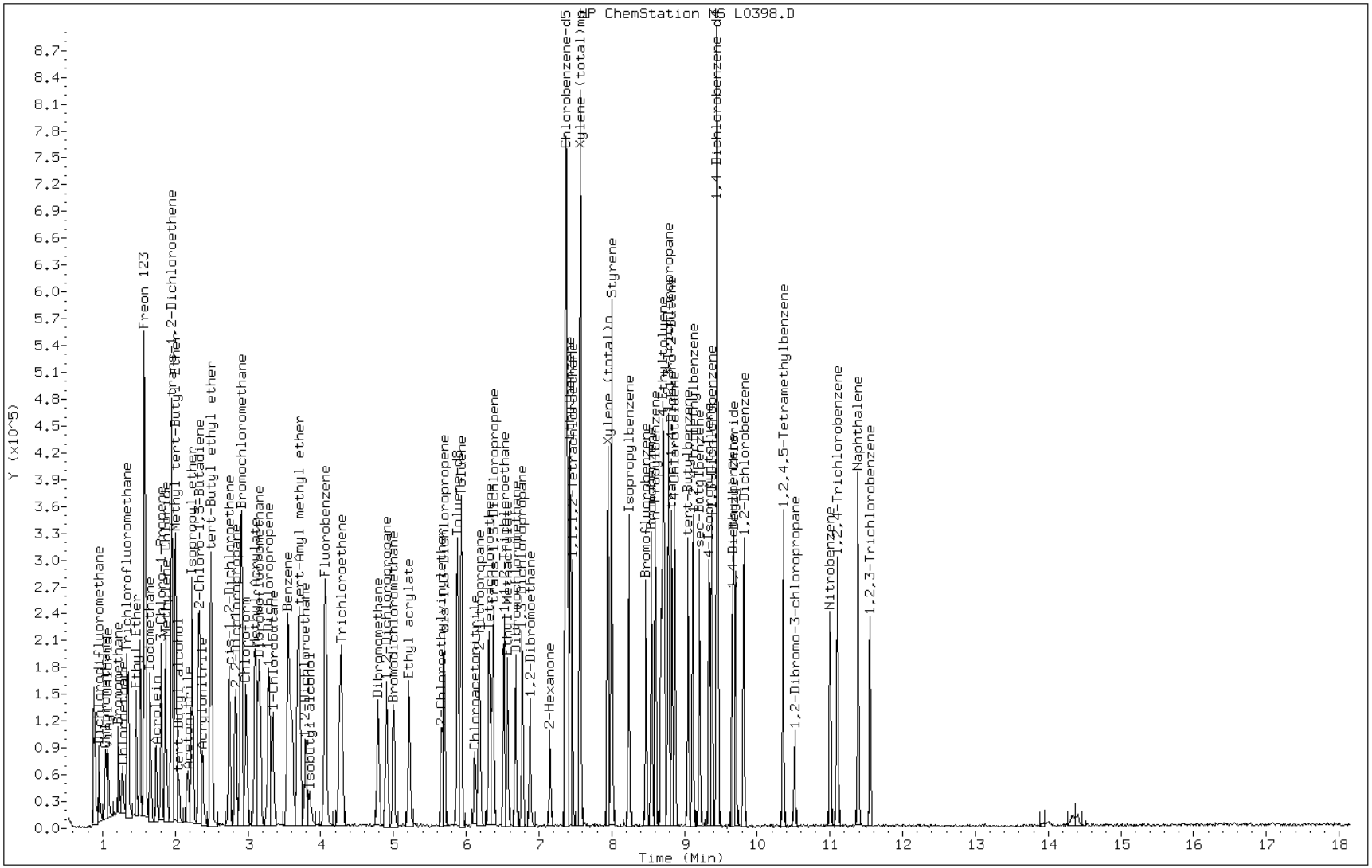
A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: L0398.D

Date: 18-JUL-2011 19:18

Client ID: LCS-638544 Instrument: msl.i

Sample Info: LCS-638544 Operator: E. LYNCH



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 220-53156/2

Matrix: Water Lab File ID: V2442.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2011 10:54

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 53156 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	8.52	J	10	1.0
71-43-2	Benzene	9.91		5.0	0.74
75-27-4	Bromodichloromethane	11.1		5.0	0.48
75-25-2	Bromoform	10.1		5.0	0.46
74-83-9	Bromomethane	9.39		5.0	2.1
78-93-3	Methyl Ethyl Ketone	7.40	J	10	1.1
75-15-0	Carbon disulfide	9.26		5.0	0.90
56-23-5	Carbon tetrachloride	13.3		5.0	1.1
108-90-7	Chlorobenzene	9.66		5.0	0.72
75-00-3	Chloroethane	12.0		5.0	1.1
67-66-3	Chloroform	10.8		5.0	0.67
74-87-3	Chloromethane	8.88		5.0	1.1
124-48-1	Dibromochloromethane	9.27		5.0	0.55
75-34-3	1,1-Dichloroethane	10.9		5.0	1.0
107-06-2	1,2-Dichloroethane	13.0		5.0	0.72
75-35-4	1,1-Dichloroethene	11.2		5.0	0.83
78-87-5	1,2-Dichloropropane	9.15		5.0	0.71
10061-01-5	cis-1,3-Dichloropropene	9.46		5.0	0.28
10061-02-6	trans-1,3-Dichloropropene	10.4		5.0	0.57
100-41-4	Ethylbenzene	9.57		5.0	0.87
591-78-6	2-Hexanone	9.45	J	10	1.1
75-09-2	Methylene Chloride	9.76		5.0	0.78
108-10-1	methyl isobutyl ketone	7.91	J	10	0.38
100-42-5	Styrene	9.24		5.0	0.64
79-34-5	1,1,2,2-Tetrachloroethane	8.19		5.0	0.81
127-18-4	Tetrachloroethene	10.7		5.0	0.81
108-88-3	Toluene	9.25		5.0	0.72
71-55-6	1,1,1-Trichloroethane	14.4		5.0	0.69
79-00-5	1,1,2-Trichloroethane	10.2		5.0	0.65
79-01-6	Trichloroethene	10.4		5.0	0.62
75-01-4	Vinyl chloride	10.3		5.0	0.99
1330-20-7	Xylenes, Total	28.5		5.0	2.3
156-59-2	cis-1,2-Dichloroethene	9.63		5.0	0.99
156-60-5	trans-1,2-Dichloroethene	10.9		5.0	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 220-53156/2

Matrix: Water Lab File ID: V2442.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2011 10:54

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 53156 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		65-136
460-00-4	4-Bromofluorobenzene	77		51-142
1868-53-7	Dibromofluoromethane	102		68-132
2037-26-5	Toluene-d8 (Surr)	82		63-127

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msv.i\V112440.b\V2442.D
Lab Smp Id: LCS-639297 Client Smp ID: LCS-639297
Inj Date : 21-JUL-2011 10:54 MS Autotune Date: 04-APR-2011 13:44
Operator : B.KOSTRZEWSKA Inst ID: msv.i
Smp Info : LCS-639297
Misc Info :
Comment :
Method : \\consvr05\Files\Chem\VOA\msv.i\V112440.b\V8260LOW.m
Meth Date : 21-Jul-2011 10:11 barbara Quant Type: ISTD
Cal Date : 13-JUL-2011 16:47 Cal File: V2196.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 1	Fluorobenzene	96	4.836	4.836	(1.000)	270536	25.0000	
2	Dichlorodifluoromethane	85	0.977	0.977	(0.202)	29224	12.7792	13(M)
3	Chloromethane	50	1.089	1.089	(0.225)	22074	8.88403	9
4	Vinyl Chloride	62	1.132	1.132	(0.234)	24157	10.3413	10
5	Bromomethane	94	1.319	1.324	(0.273)	13720	9.39099	9
6	Chloroethane	64	1.399	1.399	(0.289)	14353	11.9566	12
7	Trichlorofluoromethane	101	1.479	1.484	(0.306)	68034	14.3479	14
8	Dichlorofluoromethane	67	1.511	1.516	(0.313)	44560	11.3137	11
9	Ethyl Ether	45	1.676	1.676	(0.347)	12327	8.33943	8
10	Ethanol	45	1.735	1.730	(0.359)	9133	109.852	110
12	Freon 123	67	1.847	1.847	(0.382)	5302	9.43378	9
13	Trichlorotrifluoroethane	101	1.837	1.836	(0.380)	28382	11.1360	11
14	1,1-Dichloroethene	96	1.805	1.804	(0.373)	21068	11.2106	11
15	Carbon Disulfide	76	1.821	1.820	(0.377)	71871	9.25819	9
16	Iodomethane	142	1.901	1.900	(0.393)	32200	11.0285	11
17	Acrolein	56	2.034	2.039	(0.421)	16114	41.5455	42
18	2-Propanol	45	2.178	2.178	(0.450)	2558	7.76414	8(M)
19	3-Chloro-1-Propene	41	2.141	2.146	(0.443)	31534	9.30799	9
20	Methylene Chloride	84	2.221	2.226	(0.459)	33434	9.75664	10
21	Acetone	43	2.258	2.263	(0.467)	6910	8.51704	8(M)
22	trans-1,2-Dichloroethene	96	2.354	2.354	(0.487)	26815	10.8866	11
23	Methyl Acetate	43	2.370	2.370	(0.490)	90535	8.88401	9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	24 Methyl tert-Butyl Ether	73	2.445	2.455	(0.506)	84034	10.6634	11
	25 tert-Butyl alcohol	59	2.541	2.546	(0.525)	16928	50.2849	50
	26 Acetonitrile	41	2.637	2.642	(0.545)	22357	83.2130	83
	27 Isopropyl ether	45	2.808	2.813	(0.581)	62073	8.33913	8
	28 tert-Butyl ethyl ether	59	3.181	3.181	(0.658)	75024	9.87287	10
	29 2-Chloro-1,3-Butadiene	88	2.883	2.882	(0.596)	22626	10.0766	10
	30 Acrylonitrile	53	2.952	2.941	(0.610)	16617	17.2153	17
	31 1,1-Dichloroethane	63	2.899	2.904	(0.599)	51236	10.9281	11
	32 Vinyl Acetate	43	3.176	3.187	(0.657)	46748	8.48134	8
	33 cis-1,2-Dichloroethene	96	3.459	3.464	(0.715)	28827	9.63387	10
	34 2,2-Dichloropropane	77	3.571	3.571	(0.738)	50640	12.7294	13
	35 Bromochloromethane	128	3.656	3.656	(0.756)	17181	11.3967	11
	37 Cyclohexane	84	3.662	3.662	(0.757)	30867	9.17235	9
	38 Chloroform	83	3.763	3.763	(0.778)	60969	10.8205	11
	39 Ethyl Acetate	43	3.929	3.923	(0.812)	6011	19.8038	20(RM)
	40 Methyl Acrylate	55	3.918	3.923	(0.810)	20885	8.28596	8
$	41 Dibromofluoromethane	111	3.950	3.955	(0.817)	77076	25.5107	26
	42 Tetrahydrofuran	42	3.923	3.912	(0.811)	15628	18.5160	18
	43 Carbon Tetrachloride	117	3.891	3.891	(0.805)	60467	13.2872	13
	44 1,1,1-Trichloroethane	97	3.955	3.966	(0.818)	67035	14.4362	14(R)
	45 2-Butanone	43	4.094	4.099	(0.847)	8648	7.39617	7
	46 1,1-Dichloropropene	75	4.099	4.099	(0.848)	40945	11.2469	11
	47 tert-Amyl methyl ether	73	4.542	4.542	(0.939)	68349	9.51418	10
	49 1-Chlorobutane	56	4.158	4.163	(0.860)	48518	10.6675	11
	50 Heptane	43	4.537	4.548	(0.938)	22712	10.7861	11
	51 Propionitrile	54	4.393	4.393	(0.908)	33553	88.6754	89
	52 Benzene	78	4.366	4.366	(0.903)	105019	9.91407	10
	53 2-Methyl-2-Propenenitrile	41	4.425	4.414	(0.915)	13637	8.76647	9(RM)
	54 Isobutyl alcohol	42	4.729	4.724	(0.978)	5969	94.9747	95(M)
$	55 1,2-Dichloroethane-d4	65	4.510	4.516	(0.933)	95222	26.4010	26
	56 1,2-Dichloroethane	62	4.585	4.590	(0.948)	50704	12.9812	13
	59 Methyl Cyclohexane	83	5.012	5.006	(1.036)	45458	10.4621	10
	60 Trichloroethene	130	5.028	5.033	(1.040)	31930	10.3631	10
	63 Dibromomethane	93	5.492	5.487	(1.136)	21810	10.8305	11
	64 1,2-Dichloropropane	63	5.604	5.610	(1.159)	25029	9.14863	9
	65 Bromodichloromethane	83	5.711	5.711	(1.181)	45869	11.1288	11
	66 Methyl Methacrylate	69	5.951	5.956	(1.231)	19786	9.32211	9
	67 1,4-Dioxane	58	5.962	5.967	(1.233)	2065	71.9252	72(M)
	69 2-Chloroethylvinylether	63	6.426	6.437	(1.329)	15022	9.04591	9
	70 cis-1,3-Dichloropropene	75	6.458	6.458	(1.335)	42151	9.46150	9
	71 Chloroacetonitrile	48	6.939	6.938	(1.435)	8052	82.8676	83(R)
	72 2-Nitropropane	41	7.008	7.008	(1.449)	17487	24.7459	25
	73 trans-1,3-Dichloropropene	75	7.270	7.269	(1.503)	46973	10.4103	10
	74 1,1,2-Trichloroethane	97	7.451	7.451	(1.541)	26158	10.1590	10
*	75 Chlorobenzene-d5	117	8.577	8.577	(1.000)	215887	25.0000	
	76 Toluene	91	6.736	6.736	(0.785)	114429	9.24910	9
$	77 Toluene-d8	98	6.677	6.677	(0.778)	227929	20.4460	20
	78 1,1-Dichloro-2-propanone	43	7.024	7.029	(0.819)	61000	43.1907	43
	79 4-Methyl-2-Pentanone	43	7.238	7.243	(0.844)	20756	7.91039	8
	80 Tetrachloroethene	164	7.195	7.195	(0.839)	28691	10.7012	11
	81 Ethyl Methacrylate	69	7.542	7.536	(0.879)	27797	8.46596	8
	82 Dibromochloromethane	129	7.648	7.648	(0.892)	37011	9.27047	9
	83 1,3-Dichloropropane	76	7.771	7.766	(0.906)	43602	9.48449	9
	84 1,2-Dibromoethane	107	7.894	7.894	(0.920)	29213	9.30948	9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
86	2-Hexanone	43	8.300	8.299	(0.968)	15867	9.44618	9
87	1-Chlorohexane	91	8.646	8.657	(1.008)	17497	6.79756	7(M)
88	Chlorobenzene	112	8.598	8.593	(1.002)	80319	9.65955	10
89	1,1,1,2-Tetrachloroethane	131	8.705	8.700	(1.015)	36893	11.0400	11
90	Ethylbenzene	106	8.684	8.684	(1.012)	42663	9.56624	10
91	Xylene (total)mp	106	8.881	8.881	(1.035)	99080	18.9830	19
92	Xylene (total)o	106	9.399	9.399	(1.096)	46860	9.44850	9
93	Styrene	104	9.463	9.463	(1.103)	76707	9.24472	9
94	Bromoform	173	9.447	9.447	(1.101)	29951	10.0683	10
* 95	1,4-Dichlorobenzene-d4	152	11.027	11.027	(1.000)	134137	25.0000	
96	Isopropylbenzene	105	9.762	9.762	(0.885)	109443	8.78278	9
97	Bromobenzene	156	10.093	10.093	(0.915)	38641	8.89543	9
98	1,1,2,2-Tetrachloroethane	83	10.258	10.258	(0.930)	33096	8.18645	8
99	4-Ethyltoluene	105	10.296	10.295	(0.934)	119548	8.78027	9
100	1,2,3-Trichloropropane	110	10.354	10.349	(0.939)	11528	9.13409	9
101	trans-1,4-Dichloro-2-Butene	53	10.418	10.418	(0.945)	21694	19.4676	19
102	n-Propylbenzene	91	10.183	10.183	(0.924)	146398	8.99434	9
103	2-Chlorotoluene	91	10.296	10.295	(0.934)	111595	9.22511	9
104	4-Chlorotoluene	91	10.456	10.455	(0.948)	100883	9.13796	9
105	1,3,5-Trimethylbenzene	105	10.386	10.386	(0.942)	115162	9.80380	10
106	tert-Butylbenzene	119	10.658	10.658	(0.967)	98286	9.75679	10
107	1,2,4-Trimethylbenzene	105	10.722	10.722	(0.972)	113605	9.19345	9
108	sec-Butylbenzene	105	10.813	10.813	(0.981)	138869	9.70185	10
109	4-Isopropyltoluene	119	10.947	10.946	(0.993)	121511	10.0015	10
110	1,3-Dichlorobenzene	146	10.963	10.962	(0.994)	77509	9.62128	10
111	1,4-Dichlorobenzene	146	11.043	11.043	(1.001)	76560	9.06286	9
112	1,2-Dichlorobenzene	146	11.374	11.373	(1.031)	71260	9.28045	9
113	Benzyl Chloride	126	11.256	11.251	(1.021)	17344	10.7150	11
114	1,4-Diethylbenzene	119	11.246	11.245	(1.020)	58665	8.98343	9
115	n-Butylbenzene	91	11.288	11.288	(1.024)	111265	8.84863	9
118	1,2,4,5-Tetramethylbenzene	119	11.870	11.870	(1.076)	107494	8.63310	9
119	1,2-Dibromo-3-chloropropane	75	11.993	11.993	(1.088)	11710	12.5053	12(R)
120	Nitrobenzene	77	12.398	12.398	(1.124)	39122	83.8223	84
121	1,2,4-Trichlorobenzene	180	12.489	12.489	(1.133)	61862	8.98230	9
122	Hexachlorobutadiene	225	12.489	12.489	(1.133)	33326	9.46239	9
123	Naphthalene	128	12.719	12.718	(1.153)	125014	8.13660	8
124	1,2,3-Trichlorobenzene	180	12.847	12.846	(1.165)	60237	8.97132	9
$ 125	Bromofluorobenzene	95	10.018	10.018	(0.909)	85040	19.1954	19
M 126	1,2-Dichloroethene (total)	100				55642	20.5205	20
M 127	Xylene (total)	100				145940	28.4315	28

QC Flag Legend

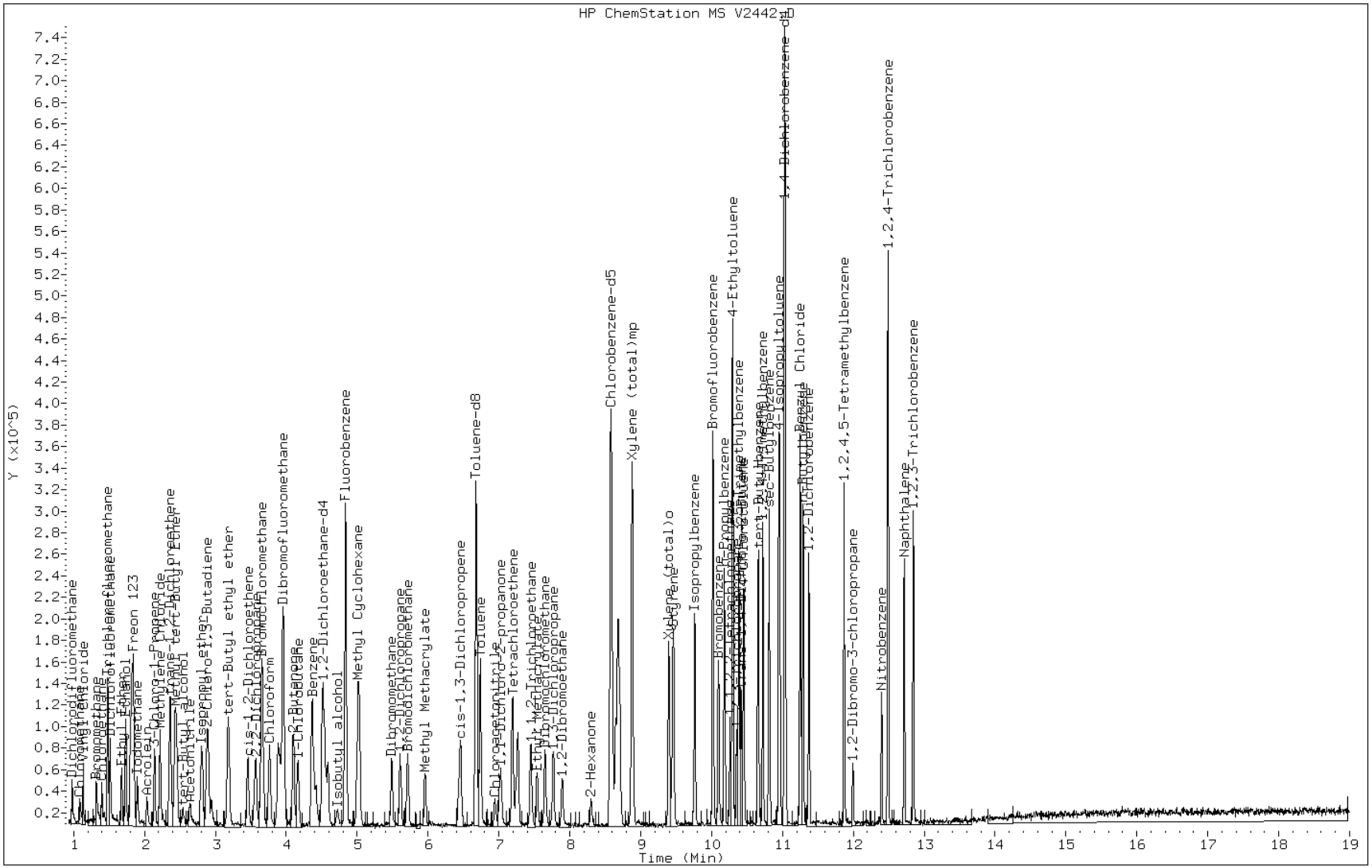
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: V2442.D

Date: 21-JUL-2011 10:54

Client ID: LCS-639297 Instrument: msv.i

Sample Info: LCS-639297 Operator: B.KOSTRZEWSKA



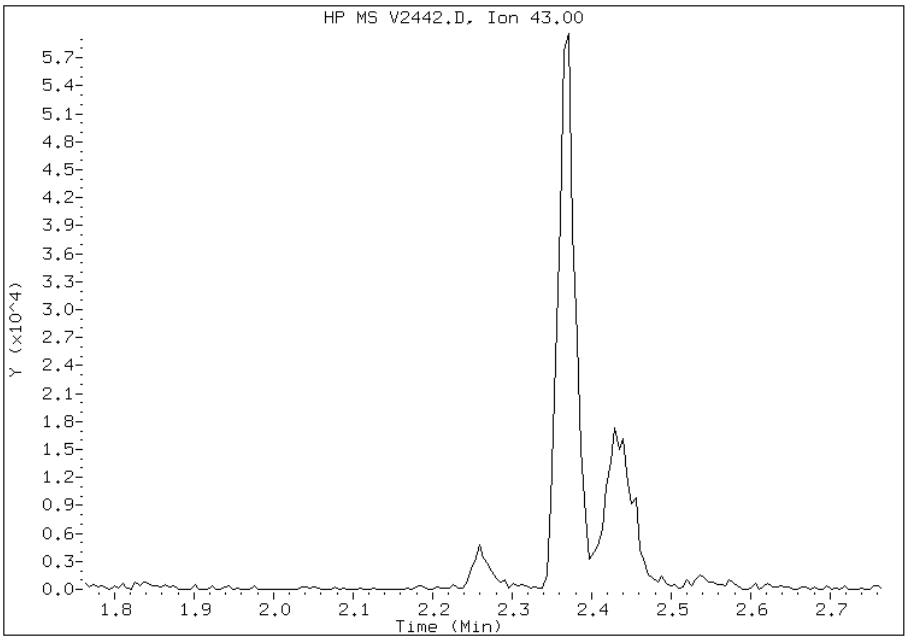
Manual Integration Report

Data File: V2442.D
Inj. Date and Time: 21-JUL-2011 10:54
Instrument ID: msv.i
Client ID: LCS-639297
Compound: 21 Acetone
CAS #: 67-64-1
Report Date: 07/21/2011

Processing Integration Results

Not Detected

Expected RT: 2.26



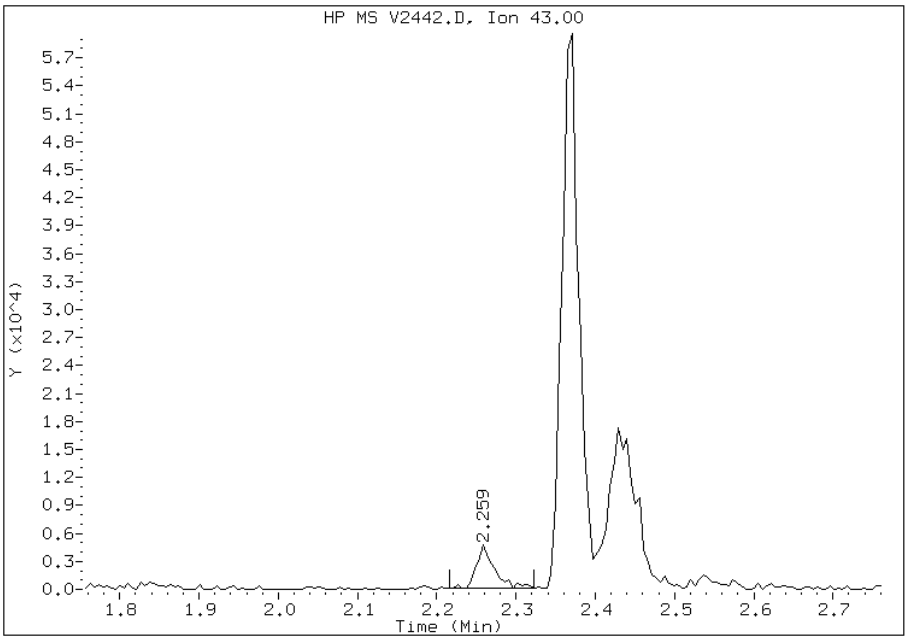
Manual Integration Results

RT: 2.26

Response: 6910

Amount: 9

Conc: 9



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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-10 MS | Lab Sample ID: 220-15975-8 MS

Matrix: Water | Lab File ID: L0423.D

Analysis Method: 8260B | Date Collected: 07/11/2011 15:00

Sample wt/vol: 5(mL) | Date Analyzed: 07/19/2011 05:37

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 52998 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	51.9		10	1.0
71-43-2	Benzene	53.1		5.0	0.74
75-27-4	Bromodichloromethane	47.8		5.0	0.48
75-25-2	Bromoform	41.9		5.0	0.46
74-83-9	Bromomethane	37.7		5.0	2.1
78-93-3	Methyl Ethyl Ketone	41.8		10	1.1
75-15-0	Carbon disulfide	54.5		5.0	0.90
56-23-5	Carbon tetrachloride	48.0		5.0	1.1
108-90-7	Chlorobenzene	48.4		5.0	0.72
75-00-3	Chloroethane	79.1		5.0	1.1
67-66-3	Chloroform	49.7		5.0	0.67
74-87-3	Chloromethane	81.9		5.0	1.1
124-48-1	Dibromochloromethane	45.1		5.0	0.55
75-34-3	1,1-Dichloroethane	51.7		5.0	1.0
107-06-2	1,2-Dichloroethane	47.5		5.0	0.72
75-35-4	1,1-Dichloroethene	55.8		5.0	0.83
78-87-5	1,2-Dichloropropane	53.8		5.0	0.71
10061-01-5	cis-1,3-Dichloropropene	35.9		5.0	0.28
10061-02-6	trans-1,3-Dichloropropene	34.8		5.0	0.57
100-41-4	Ethylbenzene	49.0		5.0	0.87
591-78-6	2-Hexanone	45.5		10	1.1
75-09-2	Methylene Chloride	45.0		5.0	0.78
108-10-1	methyl isobutyl ketone	45.3		10	0.38
100-42-5	Styrene	47.5		5.0	0.64
79-34-5	1,1,2,2-Tetrachloroethane	45.9		5.0	0.81
127-18-4	Tetrachloroethene	47.9		5.0	0.81
108-88-3	Toluene	49.4		5.0	0.72
71-55-6	1,1,1-Trichloroethane	50.3		5.0	0.69
79-00-5	1,1,2-Trichloroethane	50.1		5.0	0.65
79-01-6	Trichloroethene	53.8		5.0	0.62
75-01-4	Vinyl chloride	66.4		5.0	0.99
1330-20-7	Xylenes, Total	148		5.0	2.3
156-59-2	cis-1,2-Dichloroethene	53.2		5.0	0.99
156-60-5	trans-1,2-Dichloroethene	53.3		5.0	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-10 MS Lab Sample ID: 220-15975-8 MS

Matrix: Water Lab File ID: L0423.D

Analysis Method: 8260B Date Collected: 07/11/2011 15:00

Sample wt/vol: 5(mL) Date Analyzed: 07/19/2011 05:37

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 52998 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	68		65-136
460-00-4	4-Bromofluorobenzene	71		51-142
1868-53-7	Dibromofluoromethane	71		68-132
2037-26-5	Toluene-d8 (Surr)	73		63-127

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msl.i\L110397.b\L0423.D
Lab Smp Id: 220-15975-a-8 ms Client Smp ID: 220-15975-a-8 ms
Inj Date : 19-JUL-2011 05:37 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : 220-15975-a-8 ms
Misc Info : LLW
Comment :
Method : \\consvr05\Files\chem\VOA\msl.i\L110397.b\L8260BNW.m
Meth Date : 26-Jul-2011 16:52 msl.i Quant Type: ISTD
Cal Date : 14-JUL-2011 20:38 Cal File: L0371.D
Als bottle: 27 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1016

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 1	Fluorobenzene	96	4.064	4.069	(1.000)	343873	25.0000	
2	Dichlorodifluoromethane	85	0.955	0.950	(0.235)	137068	63.9895	64
3	Chloromethane	50	1.043	1.049	(0.257)	221259	81.9304	82(R)
4	Vinyl Chloride	62	1.073	1.078	(0.264)	173161	66.3666	66
5	Bromomethane	94	1.220	1.216	(0.300)	59032	37.7313	38
6	Chloroethane	64	1.270	1.275	(0.312)	107199	79.1039	79(R)
7	Trichlorofluoromethane	101	1.338	1.334	(0.329)	226051	59.9232	60
8	Dichlorofluoromethane	67	1.348	1.354	(0.332)	276619	54.2806	54
9	Ethyl Ether	45	1.466	1.462	(0.361)	72344	48.0620	48
10	Ethanol	45	1.516	1.521	(0.373)	71891	476.987	480
12	Freon 123	67	1.575	1.580	(0.388)	48437	51.6563	52
13	Trichlorotrifluoroethane	101	1.584	1.580	(0.390)	141177	50.7130	51
14	1,1-Dichloroethene	96	1.575	1.570	(0.388)	139431	55.7763	56
15	Carbon Disulfide	76	1.594	1.600	(0.392)	511904	54.4789	54
16	Iodomethane	142	1.653	1.659	(0.407)	203071	33.4637	33
17	Acrolein	56	1.732	1.738	(0.426)	98639	160.996	160
18	2-Propanol	45	1.594	1.600	(0.392)	8060	32.9142	33
19	3-Chloro-1-Propene	41	1.811	1.806	(0.446)	146153	40.4596	40
20	Methylene Chloride	84	1.870	1.865	(0.460)	172949	44.9644	45
21	Acetone	43	1.889	1.885	(0.465)	70376	51.9347	52
22	trans-1,2-Dichloroethene	96	1.958	1.954	(0.482)	172952	53.3302	53
23	Methyl Acetate	43	1.948	1.954	(0.480)	304250	22.3800	22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	24 Methyl tert-Butyl Ether	73	2.007	2.003	(0.494)	562534	47.3385	47
	25 tert-Butyl alcohol	59	2.047	2.052	(0.504)	124898	218.482	220
	26 Acetonitrile	41	2.175	2.170	(0.535)	126420	431.176	430
	27 Isopropyl ether	45	2.234	2.229	(0.550)	472170	51.7159	52
	28 tert-Butyl ethyl ether	59	2.490	2.485	(0.613)	563698	49.4840	49
	29 2-Chloro-1,3-Butadiene	88	2.322	2.328	(0.572)	154386	53.5550	54
	30 Acrylonitrile	53	2.372	2.377	(0.584)	127532	94.6891	95
	31 1,1-Dichloroethane	63	2.342	2.338	(0.576)	300906	51.6664	52
	32 Vinyl Acetate	43	2.499	2.505	(0.615)	176891	20.0345	20
	33 cis-1,2-Dichloroethene	96	2.745	2.741	(0.676)	205544	53.2096	53
	34 2,2-Dichloropropane	77	2.834	2.830	(0.697)	34461	6.25654	6(R)
	35 Bromochloromethane	128	2.913	2.908	(0.717)	130409	53.1461	53
	37 Cyclohexane	84	2.913	2.908	(0.717)	154574	51.7148	52
	38 Chloroform	83	2.972	2.977	(0.731)	328282	49.6851	50
	39 Ethyl Acetate	43	3.109	3.085	(0.765)	19015	81.7413	82(M)
	40 Methyl Acrylate	55	3.090	3.095	(0.760)	167675	46.6359	47
$	41 Dibromofluoromethane	111	3.149	3.145	(0.775)	75188	17.8376	18
	42 Tetrahydrofuran	42	3.119	3.115	(0.768)	105878	90.8105	91
	43 Carbon Tetrachloride	117	3.100	3.105	(0.763)	214328	48.0047	48
	44 1,1,1-Trichloroethane	97	3.168	3.164	(0.780)	246071	50.2541	50
	45 2-Butanone	43	3.267	3.263	(0.804)	77141	41.7987	42
	46 1,1-Dichloropropene	75	3.287	3.292	(0.809)	236455	51.9191	52
	47 tert-Amyl methyl ether	73	3.690	3.695	(0.908)	528082	47.6948	48
	49 1-Chlorobutane	56	3.346	3.341	(0.823)	317819	56.0542	56
	50 Heptane	43	3.690	3.695	(0.908)	153639	46.1879	46
	51 Propionitrile	54	3.592	3.587	(0.884)	253116	445.788	440
	52 Benzene	78	3.552	3.558	(0.874)	627881	53.0533	53
	53 2-Methyl-2-Propenenitrile	41	3.611	3.607	(0.889)	115666	47.8182	48(M)
	54 Isobutyl alcohol	42	3.857	3.853	(0.949)	38513	387.338	390
$	55 1,2-Dichloroethane-d4	65	3.710	3.715	(0.913)	84872	16.9477	17
	56 1,2-Dichloroethane	62	3.798	3.794	(0.935)	271308	47.5205	48
	59 Methyl Cyclohexane	83	4.261	4.266	(1.048)	123244	41.2285	41
	60 Trichloroethene	130	4.290	4.286	(1.056)	215229	53.7914	54
	63 Dibromomethane	93	4.792	4.788	(1.179)	136410	48.6755	49
	64 1,2-Dichloropropane	63	4.910	4.906	(1.208)	166998	53.7632	54
	65 Bromodichloromethane	83	4.999	5.004	(1.230)	250356	47.8378	48
	66 Methyl Methacrylate	69	5.215	5.221	(1.283)	155045	49.3649	49(R)
	67 1,4-Dioxane	58	5.245	5.230	(1.290)	11102	295.315	300
	70 cis-1,3-Dichloropropene	75	5.697	5.693	(1.402)	217396	35.9497	36
	71 Chloroacetonitrile	48	6.120	6.116	(1.506)	65587	524.293	520(R)
	72 2-Nitropropane	41	6.179	6.175	(1.520)	127419	90.2381	90
	73 trans-1,3-Dichloropropene	75	6.376	6.372	(1.569)	214284	34.8367	35(R)
	74 1,1,2-Trichloroethane	97	6.524	6.519	(1.605)	171544	50.1243	50
*	75 Chlorobenzene-d5	117	7.370	7.375	(1.000)	359288	25.0000	
	76 Toluene	91	5.933	5.939	(0.805)	640827	49.3752	49
$	77 Toluene-d8	98	5.884	5.880	(0.798)	222619	18.3582	18
	78 1,1-Dichloro-2-propanone	43	6.189	6.185	(0.840)	527489	230.495	230
	79 4-Methyl-2-Pentanone	43	6.346	6.342	(0.861)	182495	45.3264	45
	80 Tetrachloroethene	164	6.317	6.313	(0.857)	142266	47.8686	48
	81 Ethyl Methacrylate	69	6.573	6.568	(0.892)	239783	47.1215	47
	82 Dibromochloromethane	129	6.681	6.687	(0.907)	239923	45.1449	45
	83 1,3-Dichloropropane	76	6.770	6.775	(0.919)	287747	46.1831	46
	84 1,2-Dibromoethane	107	6.878	6.883	(0.933)	213887	45.9576	46
	86 2-Hexanone	43	7.153	7.149	(0.971)	135904	45.5045	46

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
87	1-Chlorohexane	91	7.409	7.415	(1.005)	152008	44.1906	44(M)
88	Chlorobenzene	112	7.389	7.385	(1.003)	461937	48.4259	48
89	1,1,1,2-Tetrachloroethane	131	7.458	7.454	(1.012)	191568	46.7542	47
90	Ethylbenzene	106	7.429	7.434	(1.008)	207395	49.0092	49
91	Xylene (total)mp	106	7.567	7.572	(1.027)	513711	98.9033	99
92	Xylene (total)o	106	7.950	7.946	(1.079)	260553	49.2046	49
93	Styrene	104	7.999	8.005	(1.085)	444946	47.4613	47
94	Bromoform	173	8.009	8.005	(1.087)	161423	41.9343	42
* 95	1,4-Dichlorobenzene-d4	152	9.446	9.441	(1.000)	190802	25.0000	
96	Isopropylbenzene	105	8.236	8.241	(0.872)	484386	47.2237	47
97	Bromobenzene	156	8.550	8.546	(0.905)	226323	45.6605	46
98	1,1,2,2-Tetrachloroethane	83	8.678	8.684	(0.919)	244887	45.8773	46
99	4-Ethyltoluene	105	8.708	8.704	(0.922)	496787	46.9729	47
100	1,2,3-Trichloropropane	110	8.777	8.782	(0.929)	74232	43.7267	44
101	trans-1,4-Dichloro-2-Butene	53	8.826	8.831	(0.934)	60888	42.9619	43(R)
102	n-Propylbenzene	91	8.600	8.605	(0.910)	549727	46.1653	46
103	2-Chlorotoluene	91	8.718	8.723	(0.923)	437834	46.2592	46
104	4-Chlorotoluene	91	8.865	8.871	(0.939)	412880	45.1769	45
105	1,3,5-Trimethylbenzene	105	8.787	8.782	(0.930)	397270	46.6583	47
106	tert-Butylbenzene	119	9.052	9.058	(0.958)	324434	45.2596	45
107	1,2,4-Trimethylbenzene	105	9.121	9.117	(0.966)	437286	47.5125	48
108	sec-Butylbenzene	105	9.210	9.205	(0.975)	420695	42.1614	42
109	4-Isopropyltoluene	119	9.347	9.343	(0.990)	353190	40.0730	40
110	1,3-Dichlorobenzene	146	9.377	9.382	(0.993)	312420	44.4538	44
111	1,4-Dichlorobenzene	146	9.456	9.461	(1.001)	329289	44.8204	45
112	1,2-Dichlorobenzene	146	9.820	9.815	(1.040)	309639	43.4678	43
113	Benzyl Chloride	126	9.682	9.687	(1.025)	3060	1.41447	1(R)
114	1,4-Diethylbenzene	119	9.662	9.658	(2.377)	190015	46.3263	46
115	n-Butylbenzene	91	9.702	9.707	(1.027)	295660	30.5654	30
118	1,2,4,5-Tetramethylbenzene	119	10.361	10.356	(2.549)	321291	39.7814	40
119	1,2-Dibromo-3-chloropropane	75	10.518	10.514	(1.114)	43026	35.9113	36
120	Nitrobenzene	77	11.000	11.006	(1.165)	145905	221.750	220(R)
121	1,2,4-Trichlorobenzene	180	11.109	11.104	(1.176)	132437	33.0484	33
122	Hexachlorobutadiene	225	11.099	11.094	(1.175)	36560	20.7191	21
123	Naphthalene	128	11.384	11.390	(1.205)	545599	37.0096	37
124	1,2,3-Trichlorobenzene	180	11.551	11.547	(1.223)	124305	31.4940	31
$ 125	Bromofluorobenzene	95	8.472	8.467	(0.897)	80537	17.6700	18
M 126	1,2-Dichloroethene (total)	100				378496	106.540	110
M 127	Xylene (total)	100				774264	148.108	150

QC Flag Legend

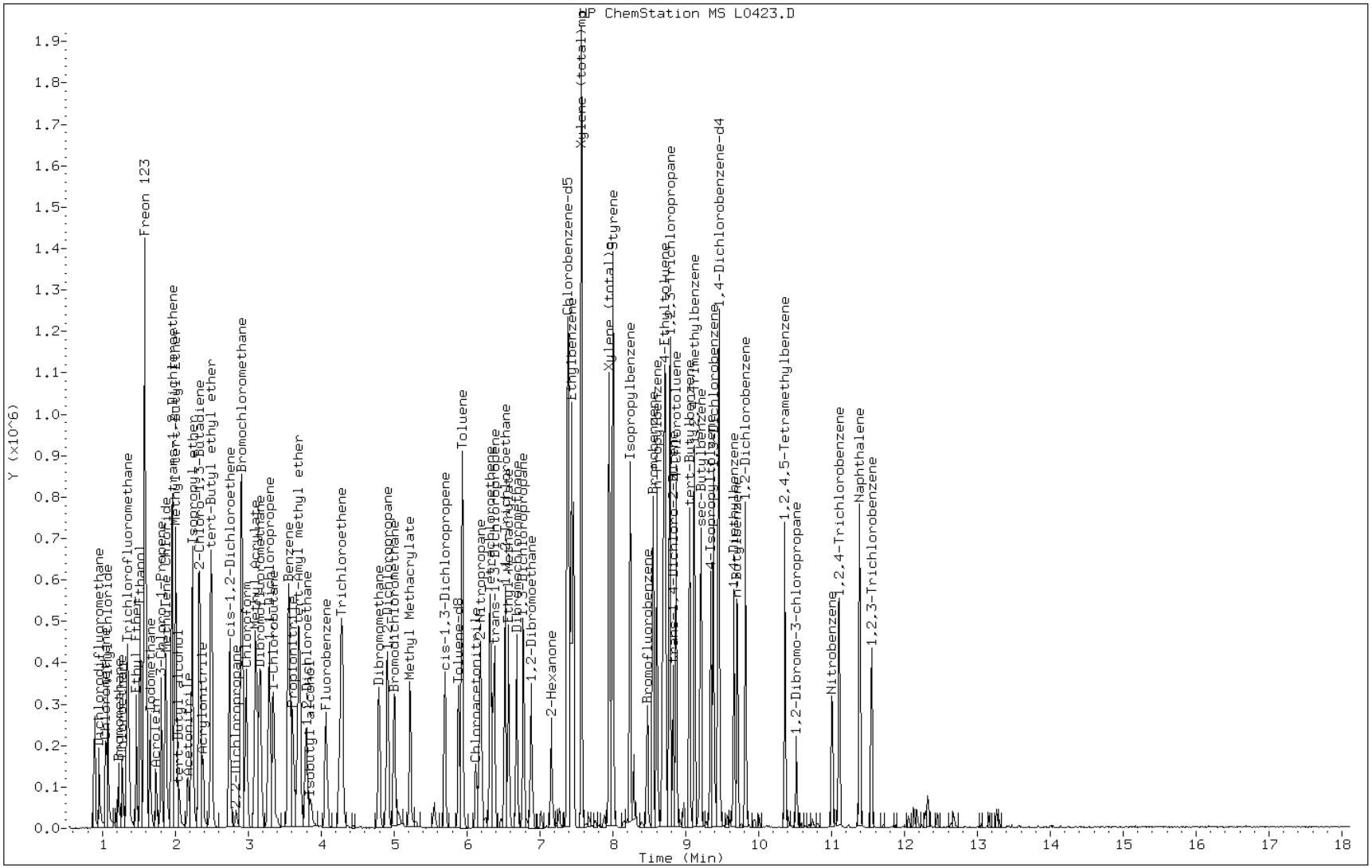
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: L0423.D

Date: 19-JUL-2011 05:37

Client ID: 220-15975-a-8 ms Instrument: msl.i

Sample Info: 220-15975-a-8 ms Operator: E. LYNCH



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-10 MSD | Lab Sample ID: 220-15975-8 MSD

Matrix: Water | Lab File ID: L0424.D

Analysis Method: 8260B | Date Collected: 07/11/2011 15:00

Sample wt/vol: 5(mL) | Date Analyzed: 07/19/2011 06:01

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 52998 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	61.5		10	1.0
71-43-2	Benzene	59.7		5.0	0.74
75-27-4	Bromodichloromethane	53.5		5.0	0.48
75-25-2	Bromoform	48.6		5.0	0.46
74-83-9	Bromomethane	50.2		5.0	2.1
78-93-3	Methyl Ethyl Ketone	51.1		10	1.1
75-15-0	Carbon disulfide	61.7		5.0	0.90
56-23-5	Carbon tetrachloride	54.8		5.0	1.1
108-90-7	Chlorobenzene	55.4		5.0	0.72
75-00-3	Chloroethane	81.1		5.0	1.1
67-66-3	Chloroform	57.2		5.0	0.67
74-87-3	Chloromethane	83.2		5.0	1.1
124-48-1	Dibromochloromethane	50.6		5.0	0.55
75-34-3	1,1-Dichloroethane	60.3		5.0	1.0
107-06-2	1,2-Dichloroethane	53.7		5.0	0.72
75-35-4	1,1-Dichloroethene	64.2		5.0	0.83
78-87-5	1,2-Dichloropropane	59.3		5.0	0.71
10061-01-5	cis-1,3-Dichloropropene	41.2		5.0	0.28
10061-02-6	trans-1,3-Dichloropropene	39.5		5.0	0.57
100-41-4	Ethylbenzene	56.8		5.0	0.87
591-78-6	2-Hexanone	49.7		10	1.1
75-09-2	Methylene Chloride	50.5		5.0	0.78
108-10-1	methyl isobutyl ketone	51.7		10	0.38
100-42-5	Styrene	54.2		5.0	0.64
79-34-5	1,1,2,2-Tetrachloroethane	52.6		5.0	0.81
127-18-4	Tetrachloroethene	54.4		5.0	0.81
108-88-3	Toluene	57.2		5.0	0.72
71-55-6	1,1,1-Trichloroethane	57.5		5.0	0.69
79-00-5	1,1,2-Trichloroethane	56.8		5.0	0.65
79-01-6	Trichloroethene	61.0		5.0	0.62
75-01-4	Vinyl chloride	67.9		5.0	0.99
1330-20-7	Xylenes, Total	168		5.0	2.3
156-59-2	cis-1,2-Dichloroethene	59.3		5.0	0.99
156-60-5	trans-1,2-Dichloroethene	61.4		5.0	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-10 MSD Lab Sample ID: 220-15975-8 MSD

Matrix: Water Lab File ID: L0424.D

Analysis Method: 8260B Date Collected: 07/11/2011 15:00

Sample wt/vol: 5(mL) Date Analyzed: 07/19/2011 06:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 52998 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	72		65-136
460-00-4	4-Bromofluorobenzene	76		51-142
1868-53-7	Dibromofluoromethane	76		68-132
2037-26-5	Toluene-d8 (Surr)	76		63-127

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msl.i\L110397.b\L0424.D
Lab Smp Id: 220-15975-a-8 msd Client Smp ID: 220-15975-a-8 msd
Inj Date : 19-JUL-2011 06:01 MS Autotune Date: 13-JUL-2011 17:37
Operator : E. LYNCH Inst ID: msl.i
Smp Info : 220-15975-a-8 msd
Misc Info : LLW
Comment :
Method : \\consvr05\Files\chem\VOA\msl.i\L110397.b\L8260BNW.m
Meth Date : 26-Jul-2011 16:52 msl.i Quant Type: ISTD
Cal Date : 14-JUL-2011 20:38 Cal File: L0371.D
Als bottle: 28 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1016

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 1	Fluorobenzene	96	4.070	4.069	(1.000)	318421	25.0000	
2	Dichlorodifluoromethane	85	0.951	0.950	(0.234)	138810	69.9825	70
3	Chloromethane	50	1.049	1.049	(0.258)	208120	83.2251	83(R)
4	Vinyl Chloride	62	1.079	1.078	(0.265)	164096	67.9194	68
5	Bromomethane	94	1.217	1.216	(0.299)	72657	50.1794	50
6	Chloroethane	64	1.276	1.275	(0.314)	101647	81.1143	81(R)
7	Trichlorofluoromethane	101	1.335	1.334	(0.328)	220182	63.0328	63
8	Dichlorofluoromethane	67	1.354	1.354	(0.333)	294907	62.4948	62
9	Ethyl Ether	45	1.463	1.462	(0.359)	77561	55.6467	56
10	Ethanol	45	1.512	1.521	(0.372)	80441	576.375	580
12	Freon 123	67	1.581	1.580	(0.388)	50667	58.0468	58
13	Trichlorotrifluoroethane	101	1.581	1.580	(0.388)	150724	58.4701	58
14	1,1-Dichloroethene	96	1.571	1.570	(0.386)	148583	64.1884	64
15	Carbon Disulfide	76	1.600	1.600	(0.393)	536577	61.6691	62
16	Iodomethane	142	1.649	1.659	(0.405)	233990	41.6409	42
17	Acrolein	56	1.738	1.738	(0.427)	93796	165.328	160
18	2-Propanol	45	1.600	1.600	(0.393)	8098	35.7127	36
19	3-Chloro-1-Propene	41	1.807	1.806	(0.444)	158823	47.4814	47
20	Methylene Chloride	84	1.866	1.865	(0.459)	180011	50.5413	50
21	Acetone	43	1.886	1.885	(0.463)	78074	61.5469	62
22	trans-1,2-Dichloroethene	96	1.954	1.954	(0.480)	184493	61.4361	61(R)
23	Methyl Acetate	43	1.954	1.954	(0.480)	307689	24.4420	24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	24 Methyl tert-Butyl Ether	73	2.004	2.003	(0.492)	589609	53.5829	54
	25 tert-Butyl alcohol	59	2.053	2.052	(0.504)	147723	279.064	280
	26 Acetonitrile	41	2.171	2.170	(0.533)	150490	554.298	550
	27 Isopropyl ether	45	2.230	2.229	(0.548)	494669	58.5109	58
	28 tert-Butyl ethyl ether	59	2.486	2.485	(0.611)	589814	55.9152	56
	29 2-Chloro-1,3-Butadiene	88	2.328	2.328	(0.572)	162341	60.8158	61
	30 Acrylonitrile	53	2.378	2.377	(0.584)	139415	111.786	110
	31 1,1-Dichloroethane	63	2.338	2.338	(0.575)	325146	60.2910	60
	32 Vinyl Acetate	43	2.505	2.505	(0.616)	170384	20.8400	21
	33 cis-1,2-Dichloroethene	96	2.742	2.741	(0.674)	212052	59.2821	59
	34 2,2-Dichloropropane	77	2.830	2.830	(0.695)	36959	7.24641	7(R)
	35 Bromochloromethane	128	2.909	2.908	(0.715)	131371	57.8175	58
	37 Cyclohexane	84	2.909	2.908	(0.715)	163190	58.9615	59
	38 Chloroform	83	2.978	2.977	(0.732)	349714	57.1595	57
	39 Ethyl Acetate	43	3.106	3.085	(0.763)	16604	77.0823	77(M)
	40 Methyl Acrylate	55	3.096	3.095	(0.761)	180356	54.1726	54
$	41 Dibromofluoromethane	111	3.145	3.145	(0.773)	73878	18.9278	19
	42 Tetrahydrofuran	42	3.115	3.115	(0.766)	114028	105.618	100
	43 Carbon Tetrachloride	117	3.106	3.105	(0.763)	228608	54.8274	55
	44 1,1,1-Trichloroethane	97	3.165	3.164	(0.778)	260796	57.5187	58
	45 2-Butanone	43	3.263	3.263	(0.802)	87393	51.1388	51
	46 1,1-Dichloropropene	75	3.293	3.292	(0.809)	257496	61.0585	61
	47 tert-Amyl methyl ether	73	3.696	3.695	(0.908)	557011	54.3287	54
	49 1-Chlorobutane	56	3.342	3.341	(0.821)	319953	60.9412	61
	50 Heptane	43	3.686	3.695	(0.906)	160928	52.2462	52
	51 Propionitrile	54	3.588	3.587	(0.882)	278734	530.145	530
	52 Benzene	78	3.548	3.558	(0.872)	654290	59.7037	60
	53 2-Methyl-2-Propenenitrile	41	3.607	3.607	(0.886)	119167	53.2035	53
	54 Isobutyl alcohol	42	3.853	3.853	(0.947)	44045	478.383	480
$	55 1,2-Dichloroethane-d4	65	3.716	3.715	(0.913)	83174	17.9362	18
	56 1,2-Dichloroethane	62	3.794	3.794	(0.932)	283717	53.6661	54
	59 Methyl Cyclohexane	83	4.257	4.266	(1.046)	140091	50.6103	51
	60 Trichloroethene	130	4.286	4.286	(1.053)	226176	61.0457	61
	63 Dibromomethane	93	4.788	4.788	(1.176)	144727	55.7712	56
	64 1,2-Dichloropropane	63	4.906	4.906	(1.205)	170635	59.3250	59
	65 Bromodichloromethane	83	5.005	5.004	(1.230)	259329	53.5132	54
	66 Methyl Methacrylate	69	5.221	5.221	(1.283)	160399	55.1517	55
	67 1,4-Dioxane	58	5.231	5.230	(1.285)	15628	448.935	450(M)
	70 cis-1,3-Dichloropropene	75	5.693	5.693	(1.399)	230528	41.1684	41
	71 Chloroacetonitrile	48	6.116	6.116	(1.503)	72630	636.806	640(R)
	72 2-Nitropropane	41	6.175	6.175	(1.517)	127599	97.5887	98
	73 trans-1,3-Dichloropropene	75	6.372	6.372	(1.566)	225003	39.5032	40
	74 1,1,2-Trichloroethane	97	6.530	6.519	(1.604)	179914	56.7720	57
*	75 Chlorobenzene-d5	117	7.376	7.375	(1.000)	332074	25.0000	
	76 Toluene	91	5.939	5.939	(0.805)	686325	57.2144	57
$	77 Toluene-d8	98	5.880	5.880	(0.797)	214121	19.1044	19
	78 1,1-Dichloro-2-propanone	43	6.185	6.185	(0.839)	542542	256.501	260
	79 4-Methyl-2-Pentanone	43	6.352	6.342	(0.861)	192246	51.6613	52
	80 Tetrachloroethene	164	6.313	6.313	(0.856)	149501	54.4254	54
	81 Ethyl Methacrylate	69	6.569	6.568	(0.891)	243874	51.8531	52
	82 Dibromochloromethane	129	6.687	6.687	(0.907)	248757	50.6430	51
	83 1,3-Dichloropropane	76	6.776	6.775	(0.919)	298018	51.7515	52
	84 1,2-Dibromoethane	107	6.884	6.883	(0.933)	228299	53.0744	53
	86 2-Hexanone	43	7.159	7.149	(0.971)	137106	49.6691	50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
87	1-Chlorohexane	91	7.405	7.415	(1.004)	199860	62.8633	63(M)
88	Chlorobenzene	112	7.386	7.385	(1.001)	488204	55.3738	55
89	1,1,1,2-Tetrachloroethane	131	7.464	7.454	(1.012)	208499	55.0566	55
90	Ethylbenzene	106	7.435	7.434	(1.008)	221990	56.7572	57
91	Xylene (total)mp	106	7.573	7.572	(1.027)	538350	112.141	110
92	Xylene (total)o	106	7.956	7.946	(1.079)	275801	56.3525	56
93	Styrene	104	8.005	8.005	(1.085)	469289	54.1602	54
94	Bromoform	173	8.005	8.005	(1.085)	172849	48.5824	48
* 95	1,4-Dichlorobenzene-d4	152	9.452	9.441	(1.000)	171692	25.0000	
96	Isopropylbenzene	105	8.242	8.241	(0.872)	509834	55.2369	55
97	Bromobenzene	156	8.556	8.546	(0.905)	238020	53.3653	53
98	1,1,2,2-Tetrachloroethane	83	8.684	8.684	(0.919)	252704	52.6111	53
99	4-Ethyltoluene	105	8.704	8.704	(0.921)	500951	52.6387	53
100	1,2,3-Trichloropropane	110	8.783	8.782	(0.929)	77647	50.8292	51
101	trans-1,4-Dichloro-2-Butene	53	8.832	8.831	(0.934)	65519	51.3750	51(R)
102	n-Propylbenzene	91	8.606	8.605	(0.910)	572000	53.3823	53
103	2-Chlorotoluene	91	8.724	8.723	(0.923)	460625	54.0840	54
104	4-Chlorotoluene	91	8.871	8.871	(0.939)	442945	53.8611	54
105	1,3,5-Trimethylbenzene	105	8.783	8.782	(0.929)	419284	54.7248	55
106	tert-Butylbenzene	119	9.058	9.058	(0.958)	342602	53.1137	53
107	1,2,4-Trimethylbenzene	105	9.117	9.117	(0.965)	446477	53.9106	54
108	sec-Butylbenzene	105	9.206	9.205	(0.974)	444672	49.5245	50
109	4-Isopropyltoluene	119	9.344	9.343	(0.989)	391730	49.3927	49
110	1,3-Dichlorobenzene	146	9.383	9.382	(0.993)	329444	52.0937	52
111	1,4-Dichlorobenzene	146	9.462	9.461	(1.001)	343691	51.9876	52
112	1,2-Dichlorobenzene	146	9.816	9.815	(1.039)	335299	52.3091	52
113	Benzyl Chloride	126	9.688	9.687	(1.025)	4150	2.13183	2(R)
114	1,4-Diethylbenzene	119	9.658	9.658	(2.373)	192681	50.7312	51
115	n-Butylbenzene	91	9.708	9.707	(1.027)	319920	36.7546	37
118	1,2,4,5-Tetramethylbenzene	119	10.367	10.356	(2.547)	361208	48.2987	48
119	1,2-Dibromo-3-chloropropane	75	10.514	10.514	(1.112)	49715	46.1127	46
120	Nitrobenzene	77	11.006	11.006	(1.164)	193762	327.261	330
121	1,2,4-Trichlorobenzene	180	11.115	11.104	(1.176)	150633	41.7729	42
122	Hexachlorobutadiene	225	11.095	11.094	(1.174)	45007	28.3451	28
123	Naphthalene	128	11.390	11.390	(1.205)	606582	45.7260	46
124	1,2,3-Trichlorobenzene	180	11.547	11.547	(1.222)	151142	42.5556	42
$ 125	Bromofluorobenzene	95	8.478	8.467	(0.897)	77787	18.9662	19
M 126	1,2-Dichloroethene (total)	100				396545	120.718	120
M 127	Xylene (total)	100				814151	168.494	170

QC Flag Legend

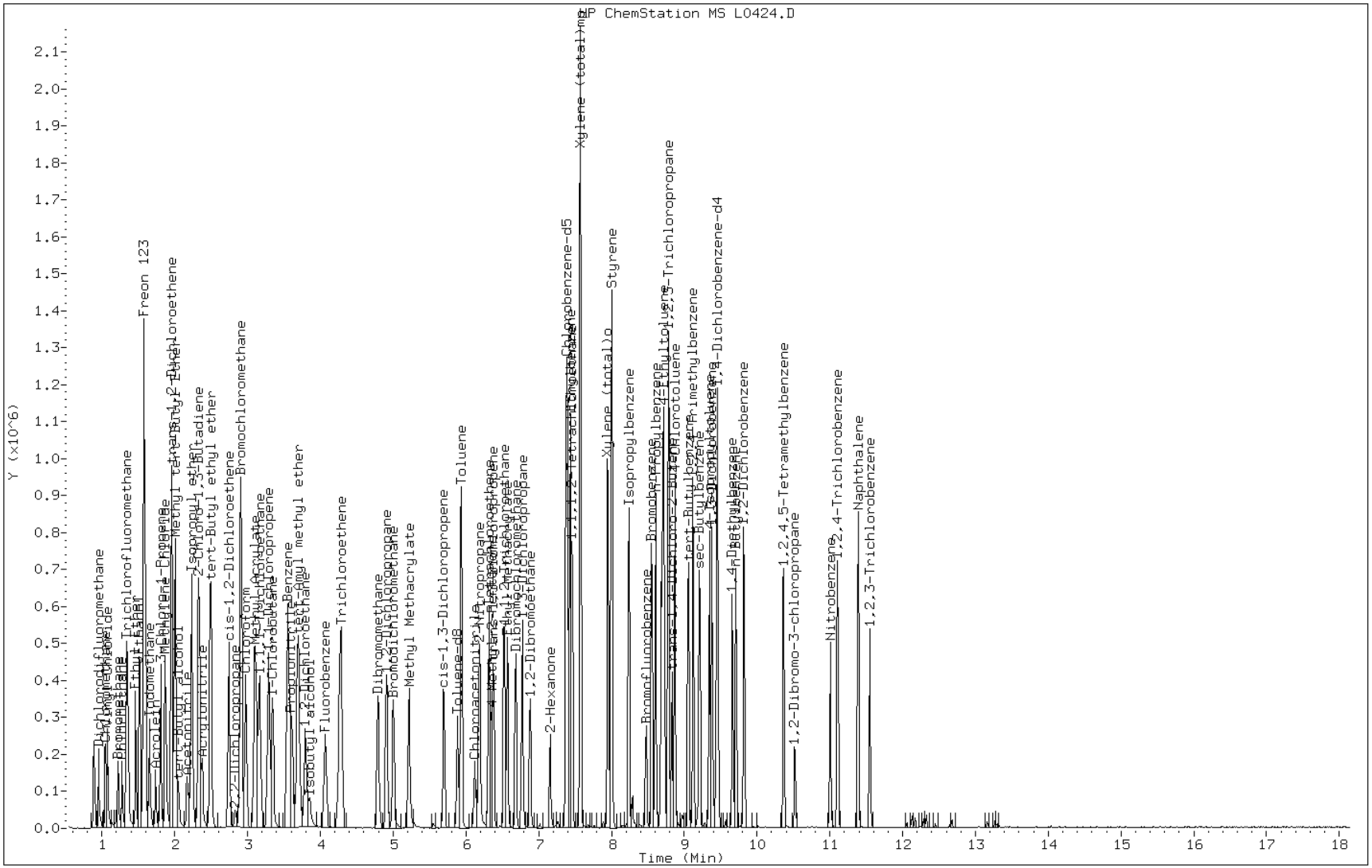
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: L0424.D

Date: 19-JUL-2011 06:01

Client ID: 220-15975-a-8 msd Instrument: msl.i

Sample Info: 220-15975-a-8 msd Operator: E. LYNCH



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: MSL Start Date: 07/14/2011 16:12

Analysis Batch Number: 52935 End Date: 07/14/2011 21:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 220-52935/7		07/14/2011 16:12	1	LB780.D	RTX-VMS 0.18(mm)
IC 220-52935/1		07/14/2011 19:01	1	L0367.D	RTX-VMS 0.18(mm)
IC 220-52935/2		07/14/2011 19:25	1	L0368.D	RTX-VMS 0.18(mm)
IC 220-52935/3		07/14/2011 19:49	1	L0369.D	RTX-VMS 0.18(mm)
IC 220-52935/4		07/14/2011 20:14	1	L0370.D	RTX-VMS 0.18(mm)
IC 220-52935/5		07/14/2011 20:38	1	L0371.D	RTX-VMS 0.18(mm)
IC 220-52935/6		07/14/2011 21:02	1	L0372.D	RTX-VMS 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: MSL Start Date: 07/18/2011 18:32

Analysis Batch Number: 52998 End Date: 07/19/2011 06:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 220-52998/3		07/18/2011 18:32	1	LB782.D	RTX-VMS 0.18(mm)
CCVIS 220-52998/1		07/18/2011 18:54	1	L0397.D	RTX-VMS 0.18(mm)
LCS 220-52998/2		07/18/2011 19:18	1	L0398.D	RTX-VMS 0.18(mm)
MB 220-52998/4		07/18/2011 20:06	1	L0400.D	RTX-VMS 0.18(mm)
ZZZZZ		07/18/2011 21:07	1		RTX-VMS 0.18(mm)
ZZZZZ		07/18/2011 21:31	1		RTX-VMS 0.18(mm)
220-15975-1	FB 0711	07/18/2011 21:55	1	L0404.D	RTX-VMS 0.18(mm)
220-15975-11	TRIP BLANK	07/18/2011 22:20	1	L0405.D	RTX-VMS 0.18(mm)
ZZZZZ		07/18/2011 22:44	1		RTX-VMS 0.18(mm)
ZZZZZ		07/18/2011 23:08	1		RTX-VMS 0.18(mm)
ZZZZZ		07/18/2011 23:33	1		RTX-VMS 0.18(mm)
220-15975-2	MW-9	07/19/2011 00:22	1	L0410.D	RTX-VMS 0.18(mm)
220-15975-3	MW-4	07/19/2011 00:46	1	L0411.D	RTX-VMS 0.18(mm)
220-15975-5	MW-7	07/19/2011 01:34	1	L0413.D	RTX-VMS 0.18(mm)
220-15975-6	MW-3	07/19/2011 01:58	1	L0414.D	RTX-VMS 0.18(mm)
220-15975-7	MW-2	07/19/2011 02:23	1	L0415.D	RTX-VMS 0.18(mm)
220-15975-8	MW-10	07/19/2011 02:47	1	L0416.D	RTX-VMS 0.18(mm)
220-15975-9	MW-1	07/19/2011 03:11	1	L0417.D	RTX-VMS 0.18(mm)
220-15975-10	MW-6	07/19/2011 03:35	1	L0418.D	RTX-VMS 0.18(mm)
220-15975-8 MS	MW-10 MS	07/19/2011 05:37	1	L0423.D	RTX-VMS 0.18(mm)
220-15975-8 MSD	MW-10 MSD	07/19/2011 06:01	1	L0424.D	RTX-VMS 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: MSV Start Date: 07/13/2011 14:11

Analysis Batch Number: 52854 End Date: 07/13/2011 17:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 220-52854/8		07/13/2011 14:11	1	VB561.D	RTX-VMS 0.18(mm)
IC 220-52854/1		07/13/2011 14:31	1	V2191.D	RTX-VMS 0.18(mm)
IC 220-52854/2		07/13/2011 14:58	1	V2192.D	RTX-VMS 0.18(mm)
ICIS 220-52854/3		07/13/2011 15:25	1	V2193.D	RTX-VMS 0.18(mm)
IC 220-52854/4		07/13/2011 15:53	1	V2194.D	RTX-VMS 0.18(mm)
IC 220-52854/5		07/13/2011 16:20	1	V2195.D	RTX-VMS 0.18(mm)
IC 220-52854/6		07/13/2011 16:47	1	V2196.D	RTX-VMS 0.18(mm)
ICV 220-52854/7		07/13/2011 17:42	1		RTX-VMS 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: MSV Start Date: 07/21/2011 09:42

Analysis Batch Number: 53156 End Date: 07/21/2011 20:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 220-53156/6		07/21/2011 09:42	1	VB571.D	RTX-VMS 0.18(mm)
CCVIS 220-53156/1		07/21/2011 09:51	1	V2440.D	RTX-VMS 0.18(mm)
LCS 220-53156/2		07/21/2011 10:54	1	V2442.D	RTX-VMS 0.18(mm)
MB 220-53156/3		07/21/2011 11:48	1	V2444.D	RTX-VMS 0.18(mm)
ZZZZZ		07/21/2011 12:16	1		RTX-VMS 0.18(mm)
ZZZZZ		07/21/2011 12:43	1		RTX-VMS 0.18(mm)
ZZZZZ		07/21/2011 13:11	1		RTX-VMS 0.18(mm)
220-15975-4	MW-4D	07/21/2011 13:38	1	V2448.D	RTX-VMS 0.18(mm)
ZZZZZ		07/21/2011 14:06	1		RTX-VMS 0.18(mm)
ZZZZZ		07/21/2011 14:34	1		RTX-VMS 0.18(mm)
ZZZZZ		07/21/2011 15:02	1		RTX-VMS 0.18(mm)
ZZZZZ		07/21/2011 15:30	4		RTX-VMS 0.18(mm)
ZZZZZ		07/21/2011 16:26	40		RTX-VMS 0.18(mm)
ZZZZZ		07/21/2011 17:23	100		RTX-VMS 0.18(mm)
ZZZZZ		07/21/2011 17:51	40		RTX-VMS 0.18(mm)
ZZZZZ		07/21/2011 18:19	25		RTX-VMS 0.18(mm)
ZZZZZ		07/21/2011 18:47	40		RTX-VMS 0.18(mm)
ZZZZZ		07/21/2011 19:15	4		RTX-VMS 0.18(mm)
ZZZZZ		07/21/2011 19:43	40		RTX-VMS 0.18(mm)
ZZZZZ		07/21/2011 20:10	40		RTX-VMS 0.18(mm)
ZZZZZ		07/21/2011 20:38	100		RTX-VMS 0.18(mm)

Method 8270C

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

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
FB 0711	220-15975-1	38	26	65	65	77	78
MW-9	220-15975-2	33	23	61	59	74	77
MW-4	220-15975-3	41	29	75	74	90	88
MW-4D	220-15975-4	38	27	76	75	91	89
MW-7	220-15975-5	43	31	76	79	99	101
MW-3	220-15975-6	43	30	77	73	87	121 *
MW-2	220-15975-7	41	29	75	71	88	115
MW-10	220-15975-8	38	26	70	70	88	88
MW-1	220-15975-9	39	27	73	69	82	102
MW-6	220-15975-10	37	25	71	68	86	92
	MB 220-52864/1-A	31	22	54	51	60	65
	LCS 220-52864/2-A	43	30	76	72	87	90
MW-10 MS	220-15975-8 MS	43	30	78	78	95	98
MW-10 MSD	220-15975-8 MSD	40	28	78	79	98	102

	QC LIMITS
2FP = 2-Fluorophenol	13-120
PHL = Phenol-d5	10-120
NBZ = Nitrobenzene-d5	40-120
FBP = 2-Fluorobiphenyl	39-120
TBP = 2,4,6-Tribromophenol	36-120
TPH = Terphenyl-d14	10-120

Column to be used to flag recovery values

FORM II 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C24304.D

Lab ID: LCS 220-52864/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	40.0	30.4	76	52-120	
Acenaphthylene	40.0	31.7	79	52-120	
Anthracene	40.0	35.4	88	60-120	
Benzo[a]anthracene	40.0	34.8	87	60-120	
Benzo[a]pyrene	40.0	34.9	87	51-120	
Benzo[b]fluoranthene	40.0	34.6	87	59-120	
Benzo[g,h,i]perylene	40.0	39.9	100	48-120	
Benzo[k]fluoranthene	40.0	35.5	89	58-120	
Bis(2-chloroethoxy)methane	40.0	30.1	75	48-120	
Bis(2-chloroethyl)ether	40.0	28.3	71	46-120	
Bis(2-ethylhexyl) phthalate	40.0	33.1	83	57-120	
Butyl benzyl phthalate	40.0	36.7	92	53-122	
Carbazole	40.0	33.1	83	62-120	
Chrysene	40.0	34.0	85	59-120	
Di-n-butyl phthalate	40.0	36.5	91	61-120	
Di-n-octyl phthalate	40.0	36.3	91	57-120	
4-Bromophenyl phenyl ether	40.0	33.1	83	60-120	
4-Chloroaniline	40.0	29.3	73	33-120	
2-Chloronaphthalene	40.0	27.8	69	46-120	
4-Chlorophenyl phenyl ether	40.0	31.7	79	58-120	
Dibenz(a,h)anthracene	40.0	40.5	101	47-120	
Dibenzofuran	40.0	31.5	79	56-120	
Diethyl phthalate	40.0	34.2	85	57-120	
Dimethyl phthalate	40.0	33.2	83	49-120	
1,2-Dichlorobenzene	40.0	23.0	58	35-120	
1,3-Dichlorobenzene	40.0	22.5	56	33-120	
1,4-Dichlorobenzene	40.0	22.4	56	34-120	
3,3'-Dichlorobenzidine	40.0	24.8	62	39-120	
2,4-Dinitrotoluene	40.0	34.2	85	46-124	
2,6-Dinitrotoluene	40.0	34.7	87	63-120	
Fluoranthene	40.0	35.1	88	56-120	
Fluorene	40.0	32.7	82	61-120	
Hexachlorobenzene	40.0	33.1	83	59-120	
Hexachlorobutadiene	40.0	21.9	55	30-120	
Hexachlorocyclopentadiene	40.0	23.6	59	15-120	
Hexachloroethane	40.0	22.0	55	29-120	
Indeno[1,2,3-cd]pyrene	40.0	41.3	103	48-120	
Isophorone	40.0	31.0	78	47-120	
2-Methylnaphthalene	40.0	26.9	67	44-120	
Naphthalene	40.0	26.9	67	42-120	
2-Nitroaniline	40.0	34.5	86	57-120	
3-Nitroaniline	40.0	32.2	80	54-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C24304.D

Lab ID: LCS 220-52864/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Nitrobenzene	40.0	29.1	73	46-120	
N-Nitrosodi-n-propylamine	40.0	30.6	77	49-120	
N-Nitrosodiphenylamine	40.0	33.4	84	62-120	
Phenanthrene	40.0	34.2	86	63-120	
Pyrene	40.0	37.3	93	62-120	
1,2,4-Trichlorobenzene	40.0	23.5	59	37-120	
4-Chloro-3-methylphenol	40.0	32.9	82	32-120	
2-Chlorophenol	40.0	26.8	67	18-120	
2-Methylphenol	40.0	25.2	63	25-120	
4-Methylphenol	80.0	46.6	58	21-120	
2,4-Dichlorophenol	40.0	30.4	76	18-120	
2,4-Dimethylphenol	40.0	29.5	74	26-120	
2,4-Dinitrophenol	40.0	31.8	80	17-128	
4,6-Dinitro-2-methylphenol	40.0	34.9	87	50-120	
2-Nitrophenol	40.0	30.8	77	36-120	
4-Nitrophenol	40.0	15.1	38	12-120	
Pentachlorophenol	40.0	32.8	82	50-120	
Phenol	40.0	11.5	29	10-120	
2,4,5-Trichlorophenol	40.0	33.0	83	23-123	
2,4,6-Trichlorophenol	40.0	32.6	81	18-125	
Benzyl alcohol	40.0	23.4	58	31-120	
4-Nitroaniline	40.0	32.2	81	54-120	
2,2'-oxybis[1-chloropropane]	40.0	29.8	74	45-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Z21701.D

Lab ID: 220-15975-8 MS Client ID: MW-10 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acenaphthene	43.0	4.2 U	36.6	85	52-120	
Acenaphthylene	43.0	4.2 U	36.1	84	52-120	
Anthracene	43.0	4.2 U	39.4	92	60-120	
Benzo[a]anthracene	43.0	4.2 U	38.3	89	60-120	
Benzo[a]pyrene	43.0	4.2 U	40.3	94	51-120	
Benzo[b]fluoranthene	43.0	4.2 U	46.4	108	59-120	
Benzo[g,h,i]perylene	43.0	4.2 U	41.3	96	48-120	
Benzo[k]fluoranthene	43.0	4.2 U	48.2	112	58-120	
Bis(2-chloroethoxy)methane	43.0	4.2 U	34.7	81	48-120	
Bis(2-chloroethyl)ether	43.0	4.2 U	31.3	73	46-120	
Bis(2-ethylhexyl) phthalate	43.0	4.2 U	50.6	118	57-120	
Butyl benzyl phthalate	43.0	4.2 U	46.7	109	53-122	
Carbazole	43.0	4.2 U	40.4	94	62-120	
Chrysene	43.0	4.2 U	37.6	87	59-120	
Di-n-butyl phthalate	43.0	4.2 U	42.0	98	61-120	
Di-n-octyl phthalate	43.0	4.2 U	74.3	173	57-120	*
4-Bromophenyl phenyl ether	43.0	4.2 U	38.1	89	60-120	
4-Chloroaniline	43.0	4.2 U	33.5	78	33-120	
2-Chloronaphthalene	43.0	4.2 U	34.6	80	46-120	
4-Chlorophenyl phenyl ether	43.0	4.2 U	37.6	87	58-120	
Dibenz(a,h)anthracene	43.0	4.2 U	41.3	96	47-120	
Dibenzofuran	43.0	4.2 U	37.2	87	56-120	
Diethyl phthalate	43.0	4.2 U	40.0	93	57-120	
Dimethyl phthalate	43.0	4.2 U	38.4	89	49-120	
1,2-Dichlorobenzene	43.0	4.2 U	27.0	63	35-120	
1,3-Dichlorobenzene	43.0	4.2 U	26.5	62	33-120	
1,4-Dichlorobenzene	43.0	4.2 U	26.4	61	34-120	
3,3'-Dichlorobenzidine	43.0	4.2 U	6.12	14	39-120	*
2,4-Dinitrotoluene	43.0	4.2 U	39.7	92	46-124	
2,6-Dinitrotoluene	43.0	4.2 U	39.6	92	63-120	
Fluoranthene	43.0	4.2 U	40.6	95	56-120	
Fluorene	43.0	4.2 U	38.5	90	61-120	
Hexachlorobenzene	43.0	4.2 U	37.1	86	59-120	
Hexachlorobutadiene	43.0	4.2 U	27.2	63	30-120	
Hexachlorocyclopentadiene	43.0	4.2 U	23.3	54	15-120	
Hexachloroethane	43.0	4.2 U	25.5	59	29-120	
Indeno[1,2,3-cd]pyrene	43.0	4.2 U	39.8	93	48-120	
Isophorone	43.0	4.2 U	36.7	85	47-120	
2-Methylnaphthalene	43.0	4.2 U	33.6	78	44-120	
Naphthalene	43.0	4.2 U	31.7	74	42-120	
2-Nitroaniline	43.0	4.2 U	40.7	95	57-120	
3-Nitroaniline	43.0	4.2 U	35.9	84	54-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Z21701.D

Lab ID: 220-15975-8 MS Client ID: MW-10 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Nitrobenzene	43.0	4.2 U	33.8	79	46-120	
N-Nitrosodi-n-propylamine	43.0	4.2 U	34.8	81	49-120	
N-Nitrosodiphenylamine	43.0	4.2 U	38.6	90	62-120	
Phenanthrene	43.0	4.2 U	38.7	90	63-120	
Pyrene	43.0	4.2 U	40.5	94	62-120	
1,2,4-Trichlorobenzene	43.0	4.2 U	29.3	68	37-120	
4-Chloro-3-methylphenol	43.0	5.3 U	37.6	87	32-120	
2-Chlorophenol	43.0	4.2 U	29.8	69	18-120	
2-Methylphenol	43.0	4.2 U	29.1	68	25-120	
4-Methylphenol	86.0	4.2 U	53.0	62	21-120	
2,4-Dichlorophenol	43.0	4.2 U	34.7	81	18-120	
2,4-Dimethylphenol	43.0	4.2 U	35.8	83	26-120	
2,4-Dinitrophenol	43.0	26 U	31.8	74	17-128	
4,6-Dinitro-2-methylphenol	43.0	26 U	35.6	83	50-120	
2-Nitrophenol	43.0	4.2 U	34.0	79	36-120	
4-Nitrophenol	43.0	11 U	18.6	43	12-120	
Pentachlorophenol	43.0	26 U	42.6	99	50-120	
Phenol	43.0	4.2 U	13.4	31	10-120	
2,4,5-Trichlorophenol	43.0	11 U	39.2	91	23-123	
2,4,6-Trichlorophenol	43.0	4.2 U	38.1	89	18-125	
Benzyl alcohol	43.0	4.2 U	26.7	62	31-120	
4-Nitroaniline	43.0	4.2 U	39.1	91	54-120	
2,2'-oxybis[1-chloropropane]	43.0	4.2 U	33.8	79	45-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Z21702.D

Lab ID: 220-15975-8 MSD Client ID: MW-10 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	42.1	35.9	85	2	31	52-120	
Acenaphthylene	42.1	35.4	84	2	30	52-120	
Anthracene	42.1	38.6	92	2	30	60-120	
Benzo[a]anthracene	42.1	37.5	89	2	30	60-120	
Benzo[a]pyrene	42.1	39.5	94	2	30	51-120	
Benzo[b]fluoranthene	42.1	45.3	107	2	30	59-120	
Benzo[g,h,i]perylene	42.1	42.3	100	2	30	48-120	
Benzo[k]fluoranthene	42.1	46.7	111	3	30	58-120	
Bis(2-chloroethoxy)methane	42.1	33.7	80	3	30	48-120	
Bis(2-chloroethyl)ether	42.1	30.8	73	2	30	46-120	
Bis(2-ethylhexyl) phthalate	42.1	50.5	120	0	30	57-120	
Butyl benzyl phthalate	42.1	46.8	111	0	30	53-122	
Carbazole	42.1	39.8	94	2	30	62-120	
Chrysene	42.1	37.1	88	1	30	59-120	
Di-n-butyl phthalate	42.1	41.1	98	2	30	61-120	
Di-n-octyl phthalate	42.1	72.8	173	2	30	57-120	*
4-Bromophenyl phenyl ether	42.1	37.1	88	3	30	60-120	
4-Chloroaniline	42.1	32.4	77	3	30	33-120	
2-Chloronaphthalene	42.1	33.7	80	3	30	46-120	
4-Chlorophenyl phenyl ether	42.1	37.0	88	2	30	58-120	
Dibenz(a,h)anthracene	42.1	44.2	105	7	30	47-120	
Dibenzofuran	42.1	36.6	87	2	30	56-120	
Diethyl phthalate	42.1	39.7	94	1	30	57-120	
Dimethyl phthalate	42.1	37.6	89	2	30	49-120	
1,2-Dichlorobenzene	42.1	26.4	63	2	30	35-120	
1,3-Dichlorobenzene	42.1	25.9	62	2	30	33-120	
1,4-Dichlorobenzene	42.1	26.0	62	2	28	34-120	
3,3'-Dichlorobenzidine	42.1	6.43	15	5	30	39-120	*
2,4-Dinitrotoluene	42.1	39.1	93	1	38	46-124	
2,6-Dinitrotoluene	42.1	39.2	93	1	30	63-120	
Fluoranthene	42.1	39.8	94	2	30	56-120	
Fluorene	42.1	38.0	90	1	30	61-120	
Hexachlorobenzene	42.1	36.3	86	2	30	59-120	
Hexachlorobutadiene	42.1	26.3	62	4	30	30-120	
Hexachlorocyclopentadiene	42.1	22.6	54	3	30	15-120	
Hexachloroethane	42.1	24.9	59	2	30	29-120	
Indeno[1,2,3-cd]pyrene	42.1	41.2	98	3	30	48-120	
Isophorone	42.1	35.4	84	4	30	47-120	
2-Methylnaphthalene	42.1	32.2	76	4	30	44-120	
Naphthalene	42.1	30.8	73	3	30	42-120	
2-Nitroaniline	42.1	40.4	96	1	30	57-120	
3-Nitroaniline	42.1	35.3	84	2	30	54-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Z21702.D

Lab ID: 220-15975-8 MSD Client ID: MW-10 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Nitrobenzene	42.1	32.7	78	3	30	46-120	
N-Nitrosodi-n-propylamine	42.1	33.7	80	3	38	49-120	
N-Nitrosodiphenylamine	42.1	37.5	89	3	30	62-120	
Phenanthrene	42.1	37.9	90	2	30	63-120	
Pyrene	42.1	41.3	98	2	31	62-120	
1,2,4-Trichlorobenzene	42.1	28.2	67	4	28	37-120	
4-Chloro-3-methylphenol	42.1	36.6	87	3	42	32-120	
2-Chlorophenol	42.1	28.4	67	5	40	18-120	
2-Methylphenol	42.1	27.0	64	8	30	25-120	
4-Methylphenol	84.2	49.8	59	6	30	21-120	
2,4-Dichlorophenol	42.1	33.7	80	3	30	18-120	
2,4-Dimethylphenol	42.1	35.0	83	2	30	26-120	
2,4-Dinitrophenol	42.1	31.5	75	1	30	17-128	
4,6-Dinitro-2-methylphenol	42.1	35.8	85	1	30	50-120	
2-Nitrophenol	42.1	33.2	79	2	30	36-120	
4-Nitrophenol	42.1	17.1	41	8	50	12-120	
Pentachlorophenol	42.1	41.7	99	2	50	50-120	
Phenol	42.1	12.0	29	11	42	10-120	
2,4,5-Trichlorophenol	42.1	38.2	91	3	30	23-123	
2,4,6-Trichlorophenol	42.1	37.2	88	2	30	18-125	
Benzyl alcohol	42.1	25.9	62	3	30	31-120	
4-Nitroaniline	42.1	38.6	92	1	30	54-120	
2,2'-oxybis[1-chloropropane]	42.1	32.8	78	3	30	45-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab File ID: C24302.D Lab Sample ID: MB 220-52864/1-A

Matrix: Water Date Extracted: 07/14/2011 13:55

Instrument ID: MSC Date Analyzed: 07/18/2011 12:09

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
FB 0711	220-15975-1	Z21692.D	07/18/2011 11:56
MW-9	220-15975-2	Z21693.D	07/18/2011 12:25
	LCS 220-52864/2-A	C24304.D	07/18/2011 12:43
MW-4	220-15975-3	Z21695.D	07/18/2011 12:53
MW-4D	220-15975-4	Z21696.D	07/18/2011 13:22
MW-7	220-15975-5	Z21697.D	07/18/2011 13:50
MW-10	220-15975-8	Z21700.D	07/18/2011 15:14
MW-10 MS	220-15975-8 MS	Z21701.D	07/18/2011 15:43
MW-10 MSD	220-15975-8 MSD	Z21702.D	07/18/2011 16:11
MW-6	220-15975-10	Z21704.D	07/18/2011 17:07
MW-3	220-15975-6	C24348.D	07/19/2011 20:19
MW-2	220-15975-7	C24349.D	07/19/2011 20:50
MW-1	220-15975-9	C24350.D	07/19/2011 21:21

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab File ID: Cs24248.D DFTPP Injection Date: 07/14/2011

Instrument ID: MSC DFTPP Injection Time: 11:14

Analysis Batch No.: 52890

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	45.0	
68	Less than 2.0 % of mass 69	0.4	(0.8)1
69	Mass 69 relative abundance	43.4	
70	Less than 2.0 % of mass 69	0.2	(0.4)1
127	40.0 - 60.0 % of mass 198	47.0	
197	Less than 1.0 % of mass 198	0.3	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.4	
275	10.0 - 30.0 % of mass 198	22.9	
365	Greater than 1.0 % of mass 198	2.4	
441	Present but less than mass 443	11.3	
442	Greater than 40.0 % of mass 198	74.2	
443	17.0 - 23.0 % of mass 442	14.0	(18.9)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 220-52890/1	C24250.D	07/14/2011	12:05
	IC 220-52890/2	C24251.D	07/14/2011	12:36
	IC 220-52890/3	C24252.D	07/14/2011	13:06
	IC 220-52890/4	C24253.D	07/14/2011	13:36
	IC 220-52890/5	C24254.D	07/14/2011	14:07
	IC 220-52890/6	C24255.D	07/14/2011	14:37
	IC 220-52890/7	C24256.D	07/14/2011	15:08

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab File ID: Cs24300.D DFTPP Injection Date: 07/18/2011

Instrument ID: MSC DFTPP Injection Time: 11:18

Analysis Batch No.: 53011

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	48.6	
68	Less than 2.0 % of mass 69	0.4	(0.8)1
69	Mass 69 relative abundance	46.5	
70	Less than 2.0 % of mass 69	0.3	(0.7)1
127	40.0 - 60.0 % of mass 198	48.8	
197	Less than 1.0 % of mass 198	0.2	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.3	
275	10.0 - 30.0 % of mass 198	22.5	
365	Greater than 1.0 % of mass 198	2.3	
441	Present but less than mass 443	11.0	
442	Greater than 40.0 % of mass 198	73.6	
443	17.0 - 23.0 % of mass 442	14.0	(19.1)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 220-53011/4	C24301.D	07/18/2011	11:39
	MB 220-52864/1-A	C24302.D	07/18/2011	12:09
	LCS 220-52864/2-A	C24304.D	07/18/2011	12:43

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab File ID: Cs24329.D DFTPP Injection Date: 07/19/2011

Instrument ID: MSC DFTPP Injection Time: 10:45

Analysis Batch No.: 53063

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	49.7	
68	Less than 2.0 % of mass 69	0.8	(1.7)1
69	Mass 69 relative abundance	46.6	
70	Less than 2.0 % of mass 69	0.2	(0.5)1
127	40.0 - 60.0 % of mass 198	50.1	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.7	
275	10.0 - 30.0 % of mass 198	21.7	
365	Greater than 1.0 % of mass 198	2.4	
441	Present but less than mass 443	10.3	
442	Greater than 40.0 % of mass 198	69.6	
443	17.0 - 23.0 % of mass 442	13.4	(19.3)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 220-53063/1	C24330.D	07/19/2011	11:01
MW-3	220-15975-6	C24348.D	07/19/2011	20:19
MW-2	220-15975-7	C24349.D	07/19/2011	20:50
MW-1	220-15975-9	C24350.D	07/19/2011	21:21

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab File ID: Zs21497.D DFTPP Injection Date: 06/23/2011

Instrument ID: MSZ DFTPP Injection Time: 07:47

Analysis Batch No.: 52244

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	42.1	
68	Less than 2.0 % of mass 69	0.1	(0.3)1
69	Mass 69 relative abundance	43.8	
70	Less than 2.0 % of mass 69	0.2	(0.5)1
127	40.0 - 60.0 % of mass 198	55.4	
197	Less than 1.0 % of mass 198	0.3	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.6	
275	10.0 - 30.0 % of mass 198	25.6	
365	Greater than 1.0 % of mass 198	3.6	
441	Present but less than mass 443	13.9	
442	Greater than 40.0 % of mass 198	90.3	
443	17.0 - 23.0 % of mass 442	17.1	(18.9)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 220-52244/1	Z21499.D	06/23/2011	08:38
	IC 220-52244/2	Z21500.D	06/23/2011	13:40
	IC 220-52244/3	Z21501.D	06/23/2011	14:08
	IC 220-52244/4	Z21502.D	06/23/2011	14:35
	IC 220-52244/5	Z21503.D	06/23/2011	15:03
	IC 220-52244/6	Z21504.D	06/23/2011	15:31
	IC 220-52244/7	Z21505.D	06/23/2011	15:59

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab File ID: Zs21682.D DFTPP Injection Date: 07/18/2011

Instrument ID: MSZ DFTPP Injection Time: 07:25

Analysis Batch No.: 52963

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	43.5	
68	Less than 2.0 % of mass 69	0.8	(1.8)1
69	Mass 69 relative abundance	45.7	
70	Less than 2.0 % of mass 69	0.3	(0.7)1
127	40.0 - 60.0 % of mass 198	56.4	
197	Less than 1.0 % of mass 198	0.3	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.6	
275	10.0 - 30.0 % of mass 198	25.0	
365	Greater than 1.0 % of mass 198	3.4	
441	Present but less than mass 443	11.8	
442	Greater than 40.0 % of mass 198	83.8	
443	17.0 - 23.0 % of mass 442	16.0	(19.1)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 220-52963/1	Z21683.D	07/18/2011	07:40
FB 0711	220-15975-1	Z21692.D	07/18/2011	11:56
MW-9	220-15975-2	Z21693.D	07/18/2011	12:25
MW-4	220-15975-3	Z21695.D	07/18/2011	12:53
MW-4D	220-15975-4	Z21696.D	07/18/2011	13:22
MW-7	220-15975-5	Z21697.D	07/18/2011	13:50
MW-10	220-15975-8	Z21700.D	07/18/2011	15:14
MW-10 MS	220-15975-8 MS	Z21701.D	07/18/2011	15:43
MW-10 MSD	220-15975-8 MSD	Z21702.D	07/18/2011	16:11
MW-6	220-15975-10	Z21704.D	07/18/2011	17:07

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Sample No.: CCVIS 220-53011/4 Date Analyzed: 07/18/2011 11:39

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm)

Lab File ID (Standard): C24301.D Heated Purge: (Y/N) N

Calibration ID: 11472

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		853281	4.89	3420634	6.26	2035022	8.13
UPPER LIMIT		1706562	5.39	6841268	6.76	4070044	8.63
LOWER LIMIT		426641	4.39	1710317	5.76	1017511	7.63
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 220-52864/1-A		828876	4.89	3334862	6.25	1997453	8.12
LCS 220-52864/2-A		844620	4.89	3434972	6.26	2081561	8.13

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

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Sample No.: CCVIS 220-53011/4 Date Analyzed: 07/18/2011 11:39

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm)

Lab File ID (Standard): C24301.D Heated Purge: (Y/N) N

Calibration ID: 11472

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		3382132	9.70	2726468	12.60	1224830	14.82
UPPER LIMIT		6764264	10.20	5452936	13.10	2449660	15.32
LOWER LIMIT		1691066	9.20	1363234	12.10	612415	14.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 220-52864/1-A		3306725	9.69	2812285	12.59	1734728	14.81
LCS 220-52864/2-A		3441867	9.70	2779522	12.60	1258063	14.81

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

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Sample No.: CCVIS 220-53063/1 Date Analyzed: 07/19/2011 11:01

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm)

Lab File ID (Standard): C24330.D Heated Purge: (Y/N) N

Calibration ID: 11472

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		961748	4.88	3905937	6.24	2404136	8.11
UPPER LIMIT		1923496	5.38	7811874	6.74	4808272	8.61
LOWER LIMIT		480874	4.38	1952969	5.74	1202068	7.61
LAB SAMPLE ID	CLIENT SAMPLE ID						
220-15975-6	MW-3	970644	4.87	3859371	6.24	2455733	8.11
220-15975-7	MW-2	984796	4.88	3992791	6.24	2531353	8.11
220-15975-9	MW-1	945545	4.88	3777333	6.24	2398119	8.11

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

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Sample No.: CCVIS 220-53063/1 Date Analyzed: 07/19/2011 11:01

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm)

Lab File ID (Standard): C24330.D Heated Purge: (Y/N) N

Calibration ID: 11472

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		4192583	9.69	3720778	12.59	1822138	14.80
UPPER LIMIT		8385166	10.19	7441556	13.09	3644276	15.30
LOWER LIMIT		2096292	9.19	1860389	12.09	911069	14.30
LAB SAMPLE ID	CLIENT SAMPLE ID						
220-15975-6	MW-3	4214496	9.68	2304573	12.58	1056368	14.80
220-15975-7	MW-2	4351511	9.68	2501081	12.58	1026538	14.80
220-15975-9	MW-1	4155442	9.68	2604392	12.58	972591	14.79

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

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Sample No.: CCVIS 220-52963/1 Date Analyzed: 07/18/2011 07:40

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

Lab File ID (Standard): Z21683.D Heated Purge: (Y/N) N

Calibration ID: 11278

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		277343	4.85	1252726	6.21	772775	8.07
UPPER LIMIT		554686	5.35	2505452	6.71	1545550	8.57
LOWER LIMIT		138672	4.35	626363	5.71	386388	7.57
LAB SAMPLE ID	CLIENT SAMPLE ID						
220-15975-1	FB 0711	267045	4.84	1211517	6.21	748227	8.07
220-15975-2	MW-9	265836	4.84	1204406	6.21	750927	8.07
220-15975-3	MW-4	274293	4.84	1249610	6.21	787806	8.07
220-15975-4	MW-4D	268889	4.84	1203067	6.21	763592	8.07
220-15975-5	MW-7	276626	4.84	1254026	6.21	783230	8.07
220-15975-8	MW-10	286017	4.84	1299291	6.21	808170	8.07
220-15975-8 MS	MW-10 MS	280848	4.84	1289093	6.21	818782	8.08
220-15975-8 MSD	MW-10 MSD	277699	4.85	1266047	6.21	798026	8.08
220-15975-10	MW-6	279718	4.84	1248660	6.20	775811	8.07

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

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Sample No.: CCVIS 220-52963/1 Date Analyzed: 07/18/2011 07:40

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

Lab File ID (Standard): Z21683.D Heated Purge: (Y/N) N

Calibration ID: 11278

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1306540	9.65	1293955	12.53	859751	14.71
UPPER LIMIT		2613080	10.15	2587910	13.03	1719502	15.21
LOWER LIMIT		653270	9.15	646978	12.03	429876	14.21
LAB SAMPLE ID	CLIENT SAMPLE ID						
220-15975-1	FB 0711	1279992	9.64	1147033	12.52	602085	14.70
220-15975-2	MW-9	1264229	9.64	1131957	12.52	594955	14.70
220-15975-3	MW-4	1383734	9.64	1206627	12.52	539013	14.70
220-15975-4	MW-4D	1331556	9.64	1148412	12.53	469110	14.70
220-15975-5	MW-7	1378804	9.64	1134199	12.53	445583	14.71
220-15975-8	MW-10	1390085	9.64	1200972	12.52	514435	14.71
220-15975-8 MS	MW-10 MS	1395323	9.65	1188568	12.53	457502	14.71
220-15975-8 MSD	MW-10 MSD	1378967	9.65	1139175	12.54	437568	14.71
220-15975-10	MW-6	1310888	9.64	1097846	12.52	456350	14.70

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

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: FB 0711 | Lab Sample ID: 220-15975-1

Matrix: Water | Lab File ID: Z21692.D

Analysis Method: 8270C | Date Collected: 07/11/2011 09:50

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 920(mL) | Date Analyzed: 07/18/2011 11:56

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	4.3	U	4.3	0.34
208-96-8	Acenaphthylene	4.3	U	4.3	0.37
120-12-7	Anthracene	4.3	U	4.3	0.32
56-55-3	Benzo[a]anthracene	4.3	U	4.3	0.33
50-32-8	Benzo[a]pyrene	4.3	U	4.3	0.38
205-99-2	Benzo[b]fluoranthene	4.3	U	4.3	0.39
191-24-2	Benzo[g,h,i]perylene	4.3	U	4.3	0.39
207-08-9	Benzo[k]fluoranthene	4.3	U	4.3	0.43
111-91-1	Bis(2-chloroethoxy)methane	4.3	U	4.3	0.34
111-44-4	Bis(2-chloroethyl)ether	4.3	U	4.3	0.32
117-81-7	Bis(2-ethylhexyl) phthalate	4.3	U	4.3	0.59
85-68-7	Butyl benzyl phthalate	4.3	U	4.3	0.38
86-74-8	Carbazole	4.3	U	4.3	0.36
218-01-9	Chrysene	4.3	U	4.3	0.27
84-74-2	Di-n-butyl phthalate	4.3	U	4.3	0.38
117-84-0	Di-n-octyl phthalate	4.3	U	4.3	0.41
101-55-3	4-Bromophenyl phenyl ether	4.3	U	4.3	0.48
106-47-8	4-Chloroaniline	4.3	U	4.3	0.32
91-58-7	2-Chloronaphthalene	4.3	U	4.3	0.42
7005-72-3	4-Chlorophenyl phenyl ether	4.3	U	4.3	0.38
53-70-3	Dibenz(a,h)anthracene	4.3	U	4.3	0.41
132-64-9	Dibenzofuran	4.3	U	4.3	0.47
84-66-2	Diethyl phthalate	4.3	U	4.3	0.47
131-11-3	Dimethyl phthalate	4.3	U	4.3	0.41
95-50-1	1,2-Dichlorobenzene	4.3	U	4.3	0.34
541-73-1	1,3-Dichlorobenzene	4.3	U	4.3	0.27
106-46-7	1,4-Dichlorobenzene	4.3	U	4.3	0.34
91-94-1	3,3'-Dichlorobenzidine	4.3	U	4.3	0.39
121-14-2	2,4-Dinitrotoluene	4.3	U	4.3	0.43
606-20-2	2,6-Dinitrotoluene	4.3	U	4.3	0.28
206-44-0	Fluoranthene	4.3	U	4.3	0.34
86-73-7	Fluorene	4.3	U	4.3	0.28
118-74-1	Hexachlorobenzene	4.3	U	4.3	0.36
87-68-3	Hexachlorobutadiene	4.3	U	4.3	0.22

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: FB 0711 | Lab Sample ID: 220-15975-1

Matrix: Water | Lab File ID: Z21692.D

Analysis Method: 8270C | Date Collected: 07/11/2011 09:50

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 920(mL) | Date Analyzed: 07/18/2011 11:56

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
77-47-4	Hexachlorocyclopentadiene	4.3	U	4.3	0.38
67-72-1	Hexachloroethane	4.3	U	4.3	0.40
193-39-5	Indeno[1,2,3-cd]pyrene	4.3	U	4.3	0.30
78-59-1	Isophorone	4.3	U	4.3	0.34
91-57-6	2-Methylnaphthalene	4.3	U	4.3	0.29
91-20-3	Naphthalene	4.3	U	4.3	0.33
88-74-4	2-Nitroaniline	4.3	U	4.3	0.37
99-09-2	3-Nitroaniline	4.3	U	4.3	0.25
98-95-3	Nitrobenzene	4.3	U	4.3	0.30
621-64-7	N-Nitrosodi-n-propylamine	4.3	U	4.3	0.36
86-30-6	N-Nitrosodiphenylamine	4.3	U	4.3	0.36
85-01-8	Phenanthrene	4.3	U	4.3	0.30
129-00-0	Pyrene	4.3	U	4.3	0.36
120-82-1	1,2,4-Trichlorobenzene	4.3	U	4.3	0.39
59-50-7	4-Chloro-3-methylphenol	5.4	U	5.4	0.37
95-57-8	2-Chlorophenol	4.3	U	4.3	0.25
95-48-7	2-Methylphenol	4.3	U	4.3	0.26
106-44-5	4-Methylphenol	4.3	U	4.3	0.32
120-83-2	2,4-Dichlorophenol	4.3	U	4.3	0.36
105-67-9	2,4-Dimethylphenol	4.3	U	4.3	0.36
51-28-5	2,4-Dinitrophenol	27	U	27	0.47
534-52-1	4,6-Dinitro-2-methylphenol	27	U	27	2.0
88-75-5	2-Nitrophenol	4.3	U	4.3	0.29
100-02-7	4-Nitrophenol	11	U	11	1.6
87-86-5	Pentachlorophenol	27	U	27	0.34
108-95-2	Phenol	4.3	U	4.3	0.21
95-95-4	2,4,5-Trichlorophenol	11	U	11	0.30
88-06-2	2,4,6-Trichlorophenol	4.3	U	4.3	0.40
100-51-6	Benzyl alcohol	4.3	U	4.3	0.45
100-01-6	4-Nitroaniline	4.3	U	4.3	0.22
108-60-1	2,2'-oxybis[1-chloropropane]	4.3	U	4.3	0.27

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: FB 0711 | Lab Sample ID: 220-15975-1

Matrix: Water | Lab File ID: Z21692.D

Analysis Method: 8270C | Date Collected: 07/11/2011 09:50

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 920(mL) | Date Analyzed: 07/18/2011 11:56

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	65		39-120
367-12-4	2-Fluorophenol	38		13-120
118-79-6	2,4,6-Tribromophenol	77		36-120
4165-60-0	Nitrobenzene-d5	65		40-120
4165-62-2	Phenol-d5	26		10-120
1718-51-0	Terphenyl-d14	78		10-120

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\Z21692.D
Lab Smp Id: 220-15975-E-1-A Client Smp ID: FB 0711
Inj Date : 18-JUL-2011 11:56
Operator : S.Jonas Inst ID: msz.i
Smp Info : 220-15975-E-1-A
Misc Info : 220-15975-E-1-A
Comment :
Method : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\MSZ-8270C.m
Meth Date : 18-Jul-2011 08:04 stephan Quant Type: ISTD
Cal Date : 23-JUN-2011 08:38 Cal File: Z21499.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	920.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/L)
*	1 1,4-Dichlorobenzene-d4	152	4.843	4.846	(1.000)	267045	20.0000	
$	2 2-Fluorophenol	112	3.395	3.401	(0.701)	429091	28.3363	31
$	3 Phenol-d5	99	4.511	4.526	(0.931)	435621	19.8697	22
	128 Benzaldehyde	77	4.365	4.364	(0.901)	12259	1.41256	2
*	20 Naphthalene-d8	136	6.205	6.211	(1.000)	1211517	20.0000	
$	21 Nitrobenzene-d5	82	5.446	5.452	(0.878)	702543	32.6459	35
*	35 Acenaphthene-d10	164	8.069	8.072	(1.000)	748227	20.0000	
$	40 2-Fluorobiphenyl	172	7.373	7.376	(0.914)	1447613	32.3820	35
$	56 2,4,6-Tribromophenol	330	8.909	8.915	(1.104)	397327	58.0532	63
*	57 Phenanthrene-d10	188	9.639	9.645	(1.000)	1279992	20.0000	
	60 1,2-Diphenylhydrazine	77	8.840	8.837	(0.917)	39637	0.73292	0.8(H)
*	70 Chrysene-d12	240	12.517	12.529	(1.000)	1147033	20.0000	
$	73 Terphenyl-d14	244	11.339	11.339	(0.906)	2078813	39.2146	43
*	79 Perylene-d12	264	14.699	14.708	(1.000)	602085	20.0000	

QC Flag Legend

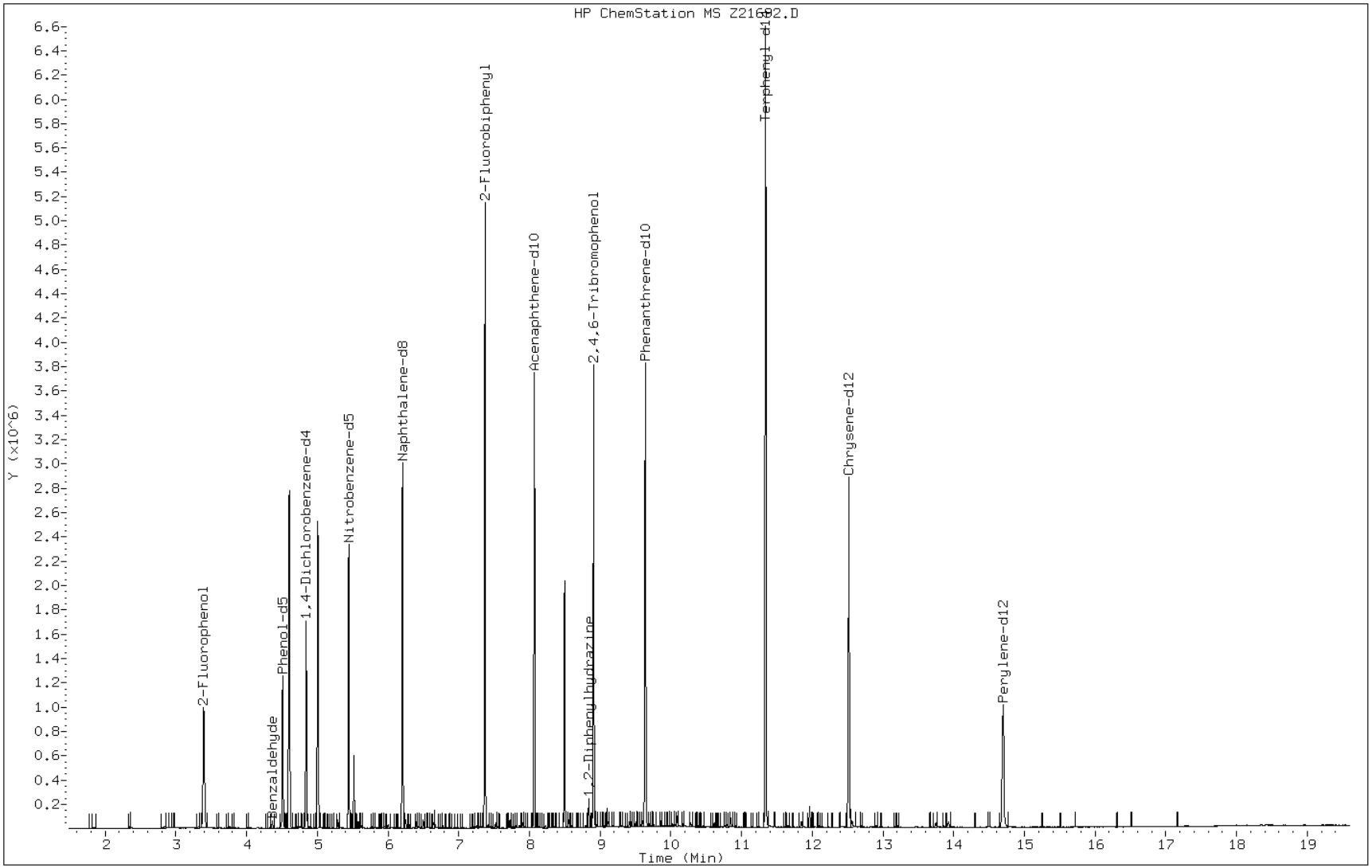
H - Operator selected an alternate compound hit.

Data File: Z21692.D

Date: 18-JUL-2011 11:56

Client ID: FB 0711 Instrument: msz.i

Sample Info: 220-15975-E-1-A Operator: S.Jonas



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-9 | Lab Sample ID: 220-15975-2

Matrix: Water | Lab File ID: Z21693.D

Analysis Method: 8270C | Date Collected: 07/11/2011 10:10

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 940(mL) | Date Analyzed: 07/18/2011 12:25

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	4.3	U	4.3	0.33
208-96-8	Acenaphthylene	4.3	U	4.3	0.36
120-12-7	Anthracene	4.3	U	4.3	0.31
56-55-3	Benzo[a]anthracene	4.3	U	4.3	0.32
50-32-8	Benzo[a]pyrene	4.3	U	4.3	0.37
205-99-2	Benzo[b]fluoranthene	4.3	U	4.3	0.38
191-24-2	Benzo[g,h,i]perylene	4.3	U	4.3	0.38
207-08-9	Benzo[k]fluoranthene	4.3	U	4.3	0.43
111-91-1	Bis(2-chloroethoxy)methane	4.3	U	4.3	0.33
111-44-4	Bis(2-chloroethyl)ether	4.3	U	4.3	0.31
117-81-7	Bis(2-ethylhexyl) phthalate	4.3	U	4.3	0.57
85-68-7	Butyl benzyl phthalate	4.3	U	4.3	0.37
86-74-8	Carbazole	4.3	U	4.3	0.35
218-01-9	Chrysene	4.3	U	4.3	0.27
84-74-2	Di-n-butyl phthalate	4.3	U	4.3	0.37
117-84-0	Di-n-octyl phthalate	4.3	U	4.3	0.40
101-55-3	4-Bromophenyl phenyl ether	4.3	U	4.3	0.47
106-47-8	4-Chloroaniline	4.3	U	4.3	0.31
91-58-7	2-Chloronaphthalene	4.3	U	4.3	0.41
7005-72-3	4-Chlorophenyl phenyl ether	4.3	U	4.3	0.37
53-70-3	Dibenz(a,h)anthracene	4.3	U	4.3	0.40
132-64-9	Dibenzofuran	4.3	U	4.3	0.46
84-66-2	Diethyl phthalate	4.3	U	4.3	0.46
131-11-3	Dimethyl phthalate	4.3	U	4.3	0.40
95-50-1	1,2-Dichlorobenzene	4.3	U	4.3	0.33
541-73-1	1,3-Dichlorobenzene	4.3	U	4.3	0.27
106-46-7	1,4-Dichlorobenzene	4.3	U	4.3	0.33
91-94-1	3,3'-Dichlorobenzidine	4.3	U	4.3	0.38
121-14-2	2,4-Dinitrotoluene	4.3	U	4.3	0.43
606-20-2	2,6-Dinitrotoluene	4.3	U	4.3	0.28
206-44-0	Fluoranthene	4.3	U	4.3	0.33
86-73-7	Fluorene	4.3	U	4.3	0.28
118-74-1	Hexachlorobenzene	4.3	U	4.3	0.35
87-68-3	Hexachlorobutadiene	4.3	U	4.3	0.21

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-9 | Lab Sample ID: 220-15975-2

Matrix: Water | Lab File ID: Z21693.D

Analysis Method: 8270C | Date Collected: 07/11/2011 10:10

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 940(mL) | Date Analyzed: 07/18/2011 12:25

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
77-47-4	Hexachlorocyclopentadiene	4.3	U	4.3	0.37
67-72-1	Hexachloroethane	4.3	U	4.3	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	4.3	U	4.3	0.30
78-59-1	Isophorone	4.3	U	4.3	0.33
91-57-6	2-Methylnaphthalene	4.3	U	4.3	0.29
91-20-3	Naphthalene	4.3	U	4.3	0.32
88-74-4	2-Nitroaniline	4.3	U	4.3	0.36
99-09-2	3-Nitroaniline	4.3	U	4.3	0.24
98-95-3	Nitrobenzene	4.3	U	4.3	0.30
621-64-7	N-Nitrosodi-n-propylamine	4.3	U	4.3	0.35
86-30-6	N-Nitrosodiphenylamine	4.3	U	4.3	0.35
85-01-8	Phenanthrene	4.3	U	4.3	0.30
129-00-0	Pyrene	4.3	U	4.3	0.35
120-82-1	1,2,4-Trichlorobenzene	4.3	U	4.3	0.38
59-50-7	4-Chloro-3-methylphenol	5.3	U	5.3	0.36
95-57-8	2-Chlorophenol	4.3	U	4.3	0.24
95-48-7	2-Methylphenol	4.3	U	4.3	0.26
106-44-5	4-Methylphenol	4.3	U	4.3	0.31
120-83-2	2,4-Dichlorophenol	4.3	U	4.3	0.35
105-67-9	2,4-Dimethylphenol	4.3	U	4.3	0.35
51-28-5	2,4-Dinitrophenol	27	U	27	0.46
534-52-1	4,6-Dinitro-2-methylphenol	27	U	27	2.0
88-75-5	2-Nitrophenol	4.3	U	4.3	0.29
100-02-7	4-Nitrophenol	11	U	11	1.5
87-86-5	Pentachlorophenol	27	U	27	0.33
108-95-2	Phenol	4.3	U	4.3	0.20
95-95-4	2,4,5-Trichlorophenol	11	U	11	0.30
88-06-2	2,4,6-Trichlorophenol	4.3	U	4.3	0.39
100-51-6	Benzyl alcohol	4.3	U	4.3	0.44
100-01-6	4-Nitroaniline	4.3	U	4.3	0.21
108-60-1	2,2'-oxybis[1-chloropropane]	4.3	U	4.3	0.27

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-9 | Lab Sample ID: 220-15975-2

Matrix: Water | Lab File ID: Z21693.D

Analysis Method: 8270C | Date Collected: 07/11/2011 10:10

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 940(mL) | Date Analyzed: 07/18/2011 12:25

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	59		39-120
367-12-4	2-Fluorophenol	33		13-120
118-79-6	2,4,6-Tribromophenol	74		36-120
4165-60-0	Nitrobenzene-d5	61		40-120
4165-62-2	Phenol-d5	23		10-120
1718-51-0	Terphenyl-d14	77		10-120

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\Z21693.D
Lab Smp Id: 220-15975-E-2-A Client Smp ID: MW-9
Inj Date : 18-JUL-2011 12:25
Operator : S.Jonas Inst ID: msz.i
Smp Info : 220-15975-E-2-A
Misc Info : 220-15975-E-2-A
Comment :
Method : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\MSZ-8270C.m
Meth Date : 18-Jul-2011 08:04 stephan Quant Type: ISTD
Cal Date : 23-JUN-2011 08:38 Cal File: Z21499.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	940.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

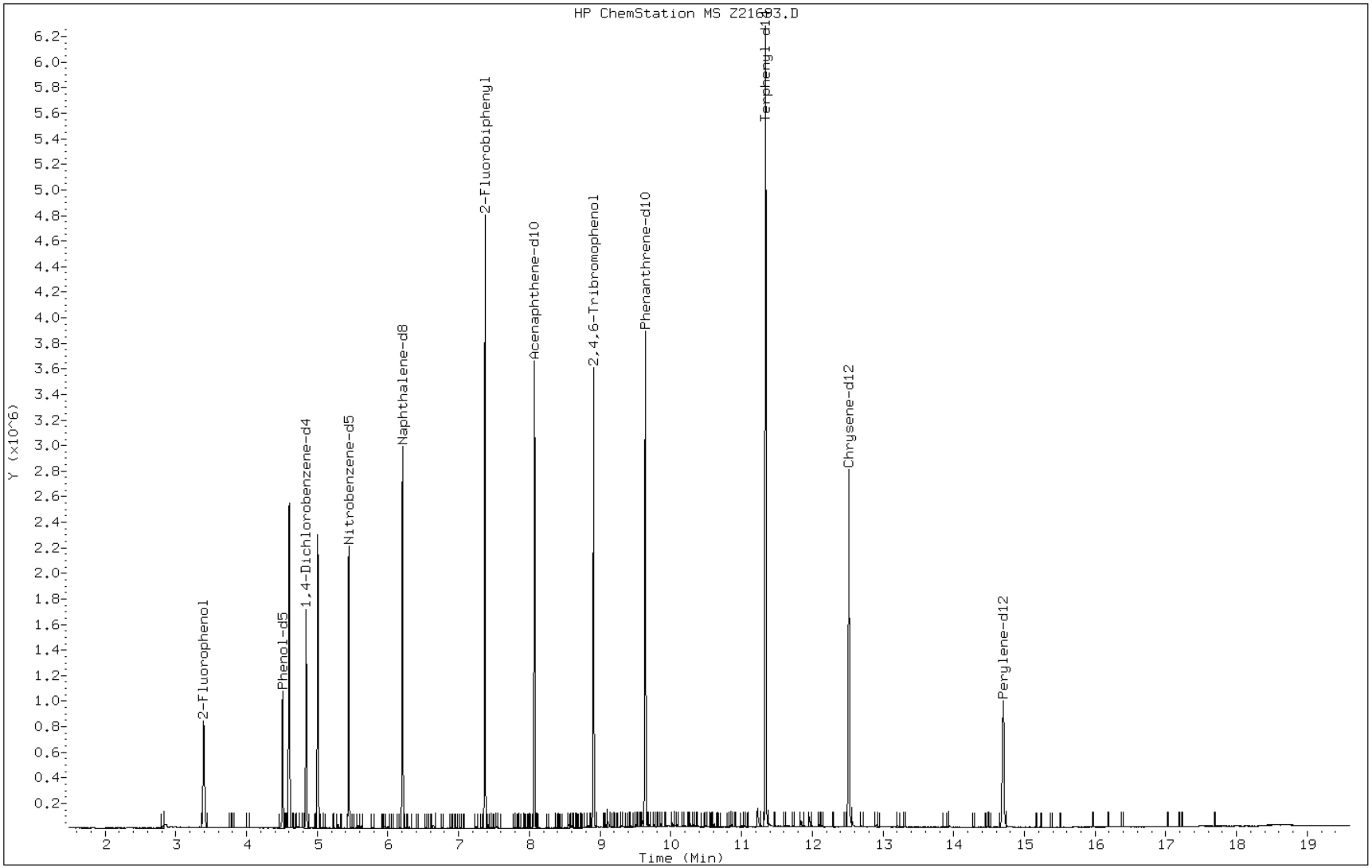
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.843	4.846	(1.000)	265836	20.0000	
$ 2 2-Fluorophenol	112	3.395	3.401	(0.701)	371091	24.6175	26
$ 3 Phenol-d5	99	4.511	4.526	(0.931)	368324	16.8766	18
* 20 Naphthalene-d8	136	6.205	6.211	(1.000)	1204406	20.0000	
$ 21 Nitrobenzene-d5	82	5.446	5.452	(0.878)	651897	30.4713	32
* 35 Acenaphthene-d10	164	8.072	8.072	(1.000)	750927	20.0000	
$ 40 2-Fluorobiphenyl	172	7.373	7.376	(0.913)	1329472	29.6323	32
$ 56 2,4,6-Tribromophenol	330	8.909	8.915	(1.104)	382067	55.6229	59
* 57 Phenanthrene-d10	188	9.639	9.645	(1.000)	1264229	20.0000	
* 70 Chrysene-d12	240	12.517	12.529	(1.000)	1131957	20.0000	
$ 73 Terphenyl-d14	244	11.339	11.339	(0.906)	2010353	38.4283	41
* 79 Perylene-d12	264	14.702	14.708	(1.000)	594955	20.0000	

Data File: Z21693.D

Date: 18-JUL-2011 12:25

Client ID: MW-9 Instrument: msz.i

Sample Info: 220-15975-E-2-A Operator: S.Jonas



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-4 | Lab Sample ID: 220-15975-3

Matrix: Water | Lab File ID: Z21695.D

Analysis Method: 8270C | Date Collected: 07/11/2011 10:55

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 910(mL) | Date Analyzed: 07/18/2011 12:53

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	4.4	U	4.4	0.34
208-96-8	Acenaphthylene	4.4	U	4.4	0.37
120-12-7	Anthracene	4.4	U	4.4	0.32
56-55-3	Benzo[a]anthracene	4.4	U	4.4	0.33
50-32-8	Benzo[a]pyrene	4.4	U	4.4	0.38
205-99-2	Benzo[b]fluoranthene	4.4	U	4.4	0.40
191-24-2	Benzo[g,h,i]perylene	4.4	U	4.4	0.40
207-08-9	Benzo[k]fluoranthene	4.4	U	4.4	0.44
111-91-1	Bis(2-chloroethoxy)methane	4.4	U	4.4	0.34
111-44-4	Bis(2-chloroethyl)ether	4.4	U	4.4	0.32
117-81-7	Bis(2-ethylhexyl) phthalate	0.70	J B	4.4	0.59
85-68-7	Butyl benzyl phthalate	4.4	U	4.4	0.38
86-74-8	Carbazole	4.4	U	4.4	0.36
218-01-9	Chrysene	4.4	U	4.4	0.27
84-74-2	Di-n-butyl phthalate	4.4	U	4.4	0.38
117-84-0	Di-n-octyl phthalate	4.4	U	4.4	0.42
101-55-3	4-Bromophenyl phenyl ether	4.4	U	4.4	0.48
106-47-8	4-Chloroaniline	4.4	U	4.4	0.32
91-58-7	2-Chloronaphthalene	4.4	U	4.4	0.43
7005-72-3	4-Chlorophenyl phenyl ether	4.4	U	4.4	0.38
53-70-3	Dibenz(a,h)anthracene	4.4	U	4.4	0.42
132-64-9	Dibenzofuran	4.4	U	4.4	0.47
84-66-2	Diethyl phthalate	4.4	U	4.4	0.47
131-11-3	Dimethyl phthalate	4.4	U	4.4	0.42
95-50-1	1,2-Dichlorobenzene	4.4	U	4.4	0.34
541-73-1	1,3-Dichlorobenzene	4.4	U	4.4	0.27
106-46-7	1,4-Dichlorobenzene	4.4	U	4.4	0.34
91-94-1	3,3'-Dichlorobenzidine	4.4	U	4.4	0.40
121-14-2	2,4-Dinitrotoluene	4.4	U	4.4	0.44
606-20-2	2,6-Dinitrotoluene	4.4	U	4.4	0.29
206-44-0	Fluoranthene	4.4	U	4.4	0.34
86-73-7	Fluorene	4.4	U	4.4	0.29
118-74-1	Hexachlorobenzene	4.4	U	4.4	0.36
87-68-3	Hexachlorobutadiene	4.4	U	4.4	0.22

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-4 | Lab Sample ID: 220-15975-3

Matrix: Water | Lab File ID: Z21695.D

Analysis Method: 8270C | Date Collected: 07/11/2011 10:55

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 910(mL) | Date Analyzed: 07/18/2011 12:53

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
77-47-4	Hexachlorocyclopentadiene	4.4	U	4.4	0.38
67-72-1	Hexachloroethane	4.4	U	4.4	0.41
193-39-5	Indeno[1,2,3-cd]pyrene	4.4	U	4.4	0.31
78-59-1	Isophorone	4.4	U	4.4	0.34
91-57-6	2-Methylnaphthalene	4.4	U	4.4	0.30
91-20-3	Naphthalene	4.4	U	4.4	0.33
88-74-4	2-Nitroaniline	4.4	U	4.4	0.37
99-09-2	3-Nitroaniline	4.4	U	4.4	0.25
98-95-3	Nitrobenzene	4.4	U	4.4	0.31
621-64-7	N-Nitrosodi-n-propylamine	4.4	U	4.4	0.36
86-30-6	N-Nitrosodiphenylamine	4.4	U	4.4	0.36
85-01-8	Phenanthrene	4.4	U	4.4	0.31
129-00-0	Pyrene	4.4	U	4.4	0.36
120-82-1	1,2,4-Trichlorobenzene	4.4	U	4.4	0.40
59-50-7	4-Chloro-3-methylphenol	5.5	U	5.5	0.37
95-57-8	2-Chlorophenol	4.4	U	4.4	0.25
95-48-7	2-Methylphenol	4.4	U	4.4	0.26
106-44-5	4-Methylphenol	4.4	U	4.4	0.32
120-83-2	2,4-Dichlorophenol	4.4	U	4.4	0.36
105-67-9	2,4-Dimethylphenol	4.4	U	4.4	0.36
51-28-5	2,4-Dinitrophenol	27	U	27	0.47
534-52-1	4,6-Dinitro-2-methylphenol	27	U	27	2.0
88-75-5	2-Nitrophenol	4.4	U	4.4	0.30
100-02-7	4-Nitrophenol	11	U	11	1.6
87-86-5	Pentachlorophenol	27	U	27	0.34
108-95-2	Phenol	4.4	U	4.4	0.21
95-95-4	2,4,5-Trichlorophenol	11	U	11	0.31
88-06-2	2,4,6-Trichlorophenol	4.4	U	4.4	0.41
100-51-6	Benzyl alcohol	4.4	U	4.4	0.45
100-01-6	4-Nitroaniline	4.4	U	4.4	0.22
108-60-1	2,2'-oxybis[1-chloropropane]	4.4	U	4.4	0.27

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-4 | Lab Sample ID: 220-15975-3

Matrix: Water | Lab File ID: Z21695.D

Analysis Method: 8270C | Date Collected: 07/11/2011 10:55

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 910(mL) | Date Analyzed: 07/18/2011 12:53

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	74		39-120
367-12-4	2-Fluorophenol	41		13-120
118-79-6	2,4,6-Tribromophenol	90		36-120
4165-60-0	Nitrobenzene-d5	75		40-120
4165-62-2	Phenol-d5	29		10-120
1718-51-0	Terphenyl-d14	88		10-120

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\Z21695.D
Lab Smp Id: 220-15975-E-3-A Client Smp ID: MW-4
Inj Date : 18-JUL-2011 12:53
Operator : S.Jonas Inst ID: msz.i
Smp Info : 220-15975-E-3-A
Misc Info : 220-15975-E-3-A
Comment :
Method : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\MSZ-8270C.m
Meth Date : 18-Jul-2011 08:04 stephan Quant Type: ISTD
Cal Date : 23-JUN-2011 08:38 Cal File: Z21499.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	910.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

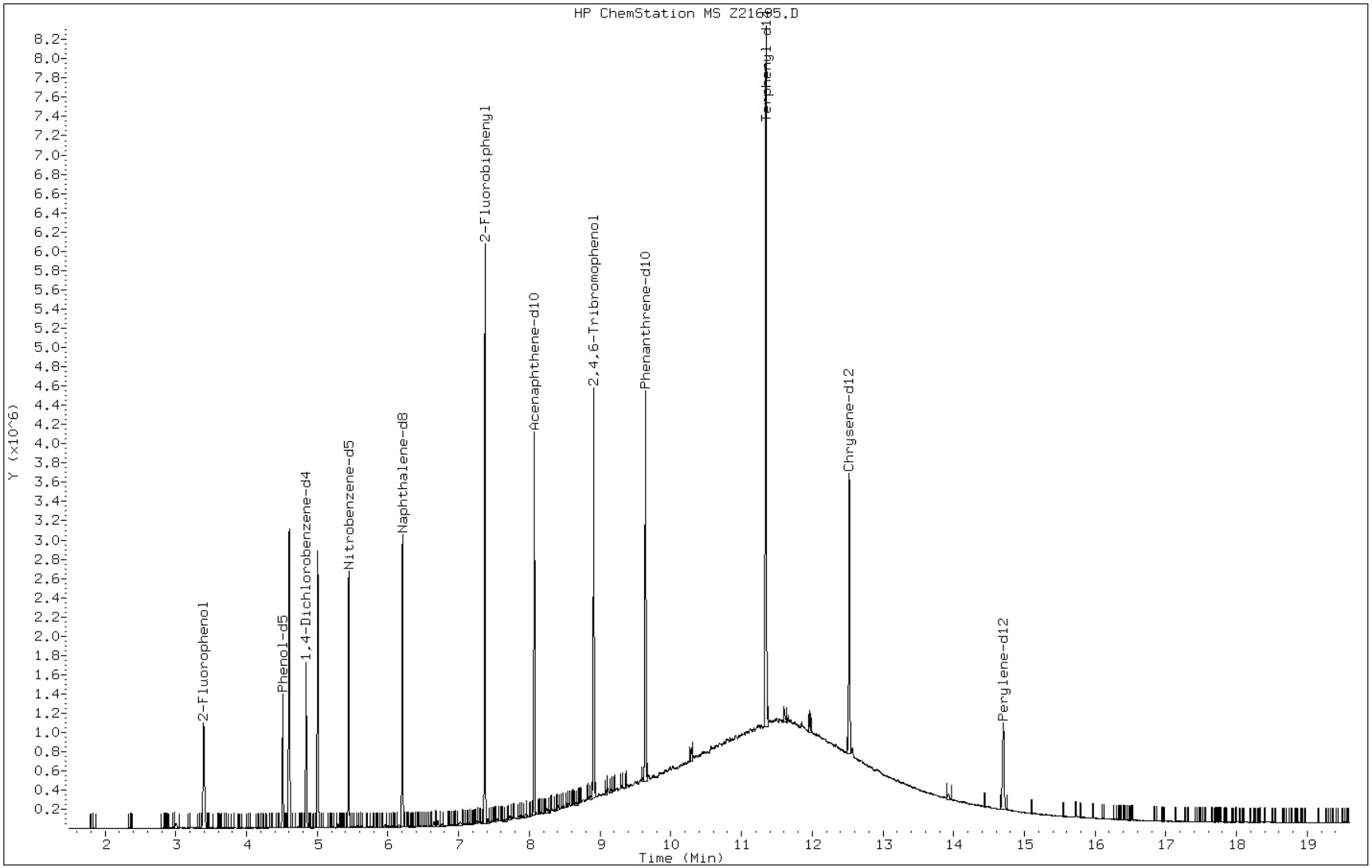
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)
*	1 1,4-Dichlorobenzene-d4	152	4.843	4.846	(1.000)	274293	20.0000	
$	2 2-Fluorophenol	112	3.395	3.401	(0.701)	473249	30.4265	33
$	3 Phenol-d5	99	4.511	4.526	(0.931)	486754	21.6154	24
*	20 Naphthalene-d8	136	6.205	6.211	(1.000)	1249610	20.0000	
$	21 Nitrobenzene-d5	82	5.446	5.452	(0.878)	827794	37.2934	41
*	35 Acenaphthene-d10	164	8.069	8.072	(1.000)	787806	20.0000	
$	40 2-Fluorobiphenyl	172	7.373	7.376	(0.914)	1752491	37.2324	41
$	56 2,4,6-Tribromophenol	330	8.909	8.915	(1.104)	487384	67.6337	74
*	57 Phenanthrene-d10	188	9.639	9.645	(1.000)	1383734	20.0000	
*	70 Chrysene-d12	240	12.523	12.529	(1.000)	1206627	20.0000	
$	73 Terphenyl-d14	244	11.345	11.339	(0.906)	2452132	43.9723	48
	78 Bis(2-Ethylhexyl)phthalate	149	12.567	12.567	(1.003)	26957	0.63246	0.7
*	79 Perylene-d12	264	14.702	14.708	(1.000)	539013	20.0000	

Data File: Z21695.D

Date: 18-JUL-2011 12:53

Client ID: MW-4 Instrument: msz.i

Sample Info: 220-15975-E-3-A Operator: S.Jonas



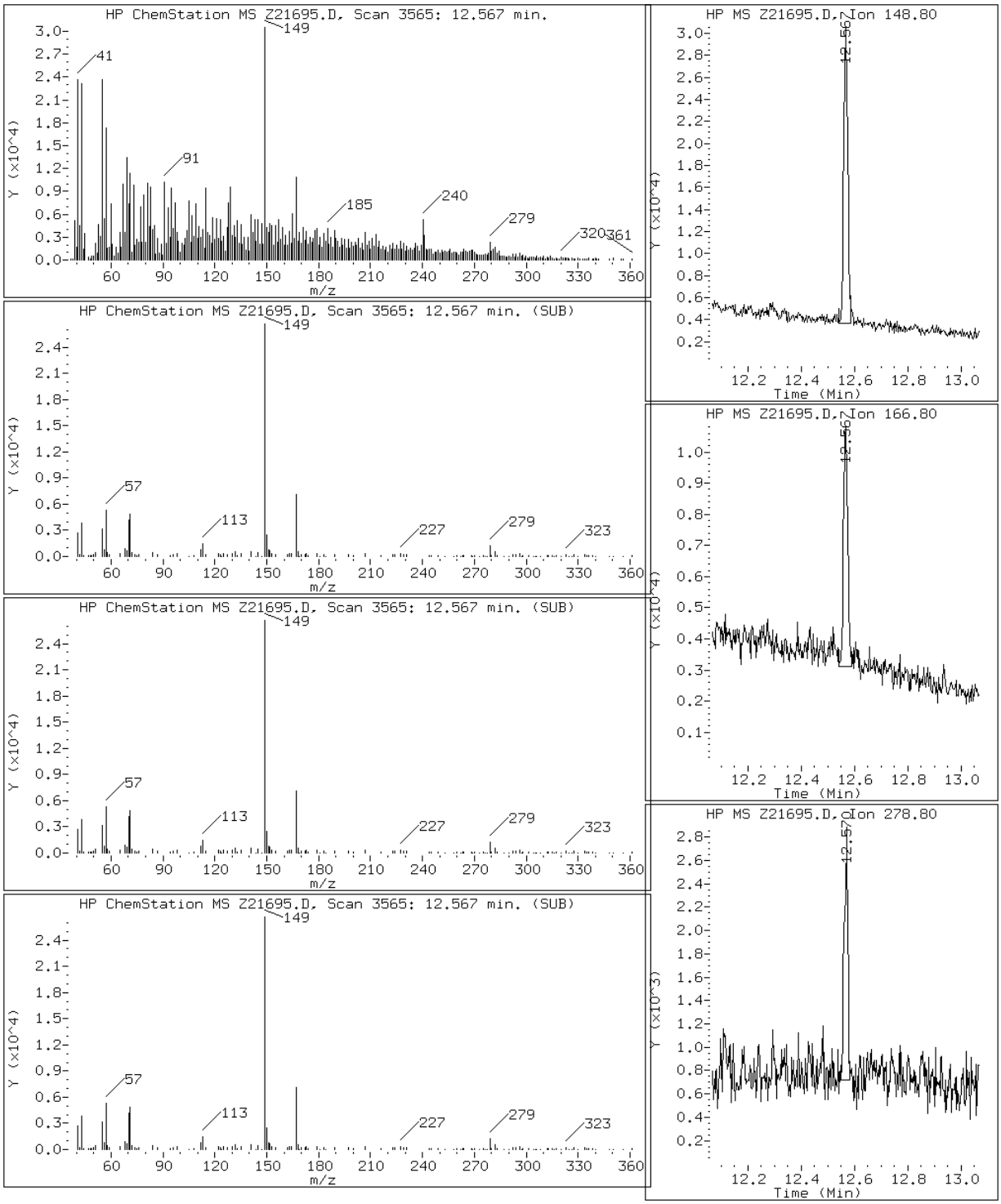
Data File: Z21695.D

Date: 18-JUL-2011 12:53

Client ID: MW-4 Instrument: msz.i

Sample Info: 220-15975-E-3-A Operator: S.Jonas

78 Bis(2-Ethylhexyl)phthalate



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-4D | Lab Sample ID: 220-15975-4

Matrix: Water | Lab File ID: Z21696.D

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

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 960(mL) | Date Analyzed: 07/18/2011 13:22

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	4.2	U	4.2	0.32
208-96-8	Acenaphthylene	4.2	U	4.2	0.35
120-12-7	Anthracene	4.2	U	4.2	0.30
56-55-3	Benzo[a]anthracene	4.2	U	4.2	0.31
50-32-8	Benzo[a]pyrene	4.2	U	4.2	0.36
205-99-2	Benzo[b]fluoranthene	4.2	U	4.2	0.38
191-24-2	Benzo[g,h,i]perylene	4.2	U	4.2	0.38
207-08-9	Benzo[k]fluoranthene	4.2	U	4.2	0.42
111-91-1	Bis(2-chloroethoxy)methane	4.2	U	4.2	0.32
111-44-4	Bis(2-chloroethyl)ether	4.2	U	4.2	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	4.2	U	4.2	0.56
85-68-7	Butyl benzyl phthalate	4.2	U	4.2	0.36
86-74-8	Carbazole	4.2	U	4.2	0.34
218-01-9	Chrysene	4.2	U	4.2	0.26
84-74-2	Di-n-butyl phthalate	4.2	U	4.2	0.36
117-84-0	Di-n-octyl phthalate	4.2	U	4.2	0.40
101-55-3	4-Bromophenyl phenyl ether	4.2	U	4.2	0.46
106-47-8	4-Chloroaniline	4.2	U	4.2	0.30
91-58-7	2-Chloronaphthalene	4.2	U	4.2	0.41
7005-72-3	4-Chlorophenyl phenyl ether	4.2	U	4.2	0.36
53-70-3	Dibenz(a,h)anthracene	4.2	U	4.2	0.40
132-64-9	Dibenzofuran	4.2	U	4.2	0.45
84-66-2	Diethyl phthalate	4.2	U	4.2	0.45
131-11-3	Dimethyl phthalate	4.2	U	4.2	0.40
95-50-1	1,2-Dichlorobenzene	4.2	U	4.2	0.32
541-73-1	1,3-Dichlorobenzene	4.2	U	4.2	0.26
106-46-7	1,4-Dichlorobenzene	4.2	U	4.2	0.32
91-94-1	3,3'-Dichlorobenzidine	4.2	U	4.2	0.38
121-14-2	2,4-Dinitrotoluene	4.2	U	4.2	0.42
606-20-2	2,6-Dinitrotoluene	4.2	U	4.2	0.27
206-44-0	Fluoranthene	4.2	U	4.2	0.32
86-73-7	Fluorene	4.2	U	4.2	0.27
118-74-1	Hexachlorobenzene	4.2	U	4.2	0.34
87-68-3	Hexachlorobutadiene	4.2	U	4.2	0.21

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-4D | Lab Sample ID: 220-15975-4

Matrix: Water | Lab File ID: Z21696.D

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

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 960(mL) | Date Analyzed: 07/18/2011 13:22

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
77-47-4	Hexachlorocyclopentadiene	4.2	U	4.2	0.36
67-72-1	Hexachloroethane	4.2	U	4.2	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	4.2	U	4.2	0.29
78-59-1	Isophorone	4.2	U	4.2	0.32
91-57-6	2-Methylnaphthalene	4.2	U	4.2	0.28
91-20-3	Naphthalene	4.2	U	4.2	0.31
88-74-4	2-Nitroaniline	4.2	U	4.2	0.35
99-09-2	3-Nitroaniline	4.2	U	4.2	0.24
98-95-3	Nitrobenzene	4.2	U	4.2	0.29
621-64-7	N-Nitrosodi-n-propylamine	4.2	U	4.2	0.34
86-30-6	N-Nitrosodiphenylamine	4.2	U	4.2	0.34
85-01-8	Phenanthrene	4.2	U	4.2	0.29
129-00-0	Pyrene	4.2	U	4.2	0.34
120-82-1	1,2,4-Trichlorobenzene	4.2	U	4.2	0.38
59-50-7	4-Chloro-3-methylphenol	5.2	U	5.2	0.35
95-57-8	2-Chlorophenol	4.2	U	4.2	0.24
95-48-7	2-Methylphenol	4.2	U	4.2	0.25
106-44-5	4-Methylphenol	4.2	U	4.2	0.30
120-83-2	2,4-Dichlorophenol	4.2	U	4.2	0.34
105-67-9	2,4-Dimethylphenol	4.2	U	4.2	0.34
51-28-5	2,4-Dinitrophenol	26	U	26	0.45
534-52-1	4,6-Dinitro-2-methylphenol	26	U	26	1.9
88-75-5	2-Nitrophenol	4.2	U	4.2	0.28
100-02-7	4-Nitrophenol	10	U	10	1.5
87-86-5	Pentachlorophenol	26	U	26	0.32
108-95-2	Phenol	4.2	U	4.2	0.20
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.29
88-06-2	2,4,6-Trichlorophenol	4.2	U	4.2	0.39
100-51-6	Benzyl alcohol	4.2	U	4.2	0.43
100-01-6	4-Nitroaniline	4.2	U	4.2	0.21
108-60-1	2,2'-oxybis[1-chloropropane]	4.2	U	4.2	0.26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-4D | Lab Sample ID: 220-15975-4

Matrix: Water | Lab File ID: Z21696.D

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

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 960(mL) | Date Analyzed: 07/18/2011 13:22

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	75		39-120
367-12-4	2-Fluorophenol	38		13-120
118-79-6	2,4,6-Tribromophenol	91		36-120
4165-60-0	Nitrobenzene-d5	76		40-120
4165-62-2	Phenol-d5	27		10-120
1718-51-0	Terphenyl-d14	89		10-120

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\Z21696.D
Lab Smp Id: 220-15975-E-4-A Client Smp ID: MW-4D
Inj Date : 18-JUL-2011 13:22
Operator : S.Jonas Inst ID: msz.i
Smp Info : 220-15975-E-4-A
Misc Info : 220-15975-E-4-A
Comment :
Method : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\MSZ-8270C.m
Meth Date : 18-Jul-2011 08:04 stephan Quant Type: ISTD
Cal Date : 23-JUN-2011 08:38 Cal File: Z21499.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	960.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

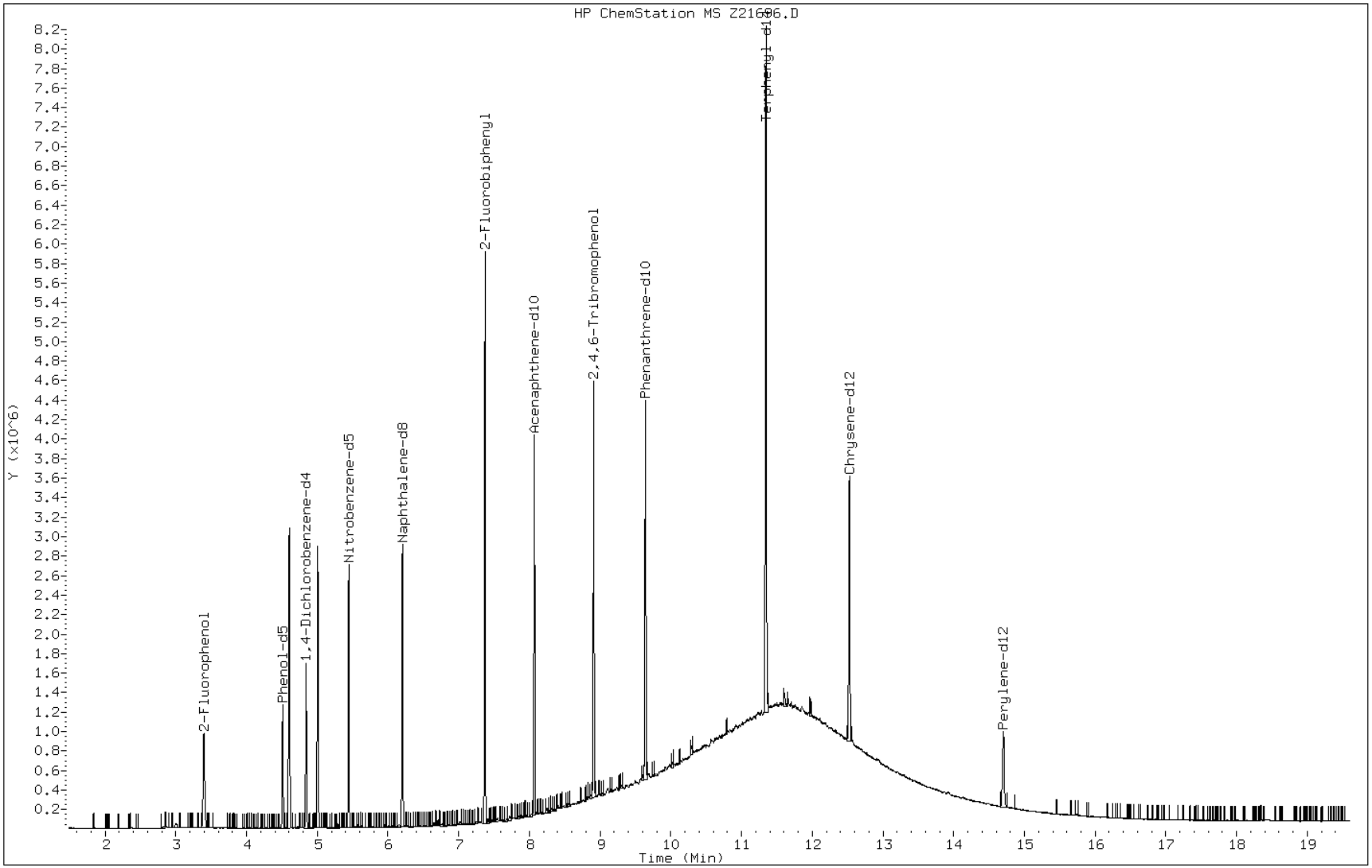
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)
*	1 1,4-Dichlorobenzene-d4	152	4.843	4.846	(1.000)	268889	20.0000	
$	2 2-Fluorophenol	112	3.398	3.401	(0.702)	438210	28.7400	30
$	3 Phenol-d5	99	4.514	4.526	(0.932)	449395	20.3574	21
*	20 Naphthalene-d8	136	6.205	6.211	(1.000)	1203067	20.0000	
$	21 Nitrobenzene-d5	82	5.446	5.452	(0.878)	811181	37.9588	40
*	35 Acenaphthene-d10	164	8.069	8.072	(1.000)	763592	20.0000	
$	40 2-Fluorobiphenyl	172	7.373	7.376	(0.914)	1708883	37.4572	39
$	56 2,4,6-Tribromophenol	330	8.909	8.915	(1.104)	474911	67.9927	71
*	57 Phenanthrene-d10	188	9.639	9.645	(1.000)	1331556	20.0000	
*	70 Chrysene-d12	240	12.526	12.529	(1.000)	1148412	20.0000	
$	73 Terphenyl-d14	244	11.345	11.339	(0.906)	2354167	44.3556	46
*	79 Perylene-d12	264	14.702	14.708	(1.000)	469110	20.0000	

Data File: Z21696.D

Date: 18-JUL-2011 13:22

Client ID: MW-4D Instrument: msz.i

Sample Info: 220-15975-E-4-A Operator: S.Jonas



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-7 | Lab Sample ID: 220-15975-5

Matrix: Water | Lab File ID: Z21697.D

Analysis Method: 8270C | Date Collected: 07/11/2011 12:30

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 960(mL) | Date Analyzed: 07/18/2011 13:50

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	4.2	U	4.2	0.32
208-96-8	Acenaphthylene	4.2	U	4.2	0.35
120-12-7	Anthracene	4.2	U	4.2	0.30
56-55-3	Benzo[a]anthracene	4.2	U	4.2	0.31
50-32-8	Benzo[a]pyrene	4.2	U	4.2	0.36
205-99-2	Benzo[b]fluoranthene	0.54	J	4.2	0.38
191-24-2	Benzo[g,h,i]perylene	4.2	U	4.2	0.38
207-08-9	Benzo[k]fluoranthene	4.2	U	4.2	0.42
111-91-1	Bis(2-chloroethoxy)methane	4.2	U	4.2	0.32
111-44-4	Bis(2-chloroethyl)ether	4.2	U	4.2	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	0.78	J B	4.2	0.56
85-68-7	Butyl benzyl phthalate	4.2	U	4.2	0.36
86-74-8	Carbazole	4.2	U	4.2	0.34
218-01-9	Chrysene	0.46	J	4.2	0.26
84-74-2	Di-n-butyl phthalate	4.2	U	4.2	0.36
117-84-0	Di-n-octyl phthalate	4.2	U	4.2	0.40
101-55-3	4-Bromophenyl phenyl ether	4.2	U	4.2	0.46
106-47-8	4-Chloroaniline	4.2	U	4.2	0.30
91-58-7	2-Chloronaphthalene	4.2	U	4.2	0.41
7005-72-3	4-Chlorophenyl phenyl ether	4.2	U	4.2	0.36
53-70-3	Dibenz(a,h)anthracene	4.2	U	4.2	0.40
132-64-9	Dibenzofuran	4.2	U	4.2	0.45
84-66-2	Diethyl phthalate	4.2	U	4.2	0.45
131-11-3	Dimethyl phthalate	4.2	U	4.2	0.40
95-50-1	1,2-Dichlorobenzene	0.67	J	4.2	0.32
541-73-1	1,3-Dichlorobenzene	1.1	J	4.2	0.26
106-46-7	1,4-Dichlorobenzene	6.0		4.2	0.32
91-94-1	3,3'-Dichlorobenzidine	4.2	U	4.2	0.38
121-14-2	2,4-Dinitrotoluene	4.2	U	4.2	0.42
606-20-2	2,6-Dinitrotoluene	4.2	U	4.2	0.27
206-44-0	Fluoranthene	0.66	J	4.2	0.32
86-73-7	Fluorene	4.2	U	4.2	0.27
118-74-1	Hexachlorobenzene	4.2	U	4.2	0.34
87-68-3	Hexachlorobutadiene	4.2	U	4.2	0.21

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-7 | Lab Sample ID: 220-15975-5

Matrix: Water | Lab File ID: Z21697.D

Analysis Method: 8270C | Date Collected: 07/11/2011 12:30

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 960(mL) | Date Analyzed: 07/18/2011 13:50

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
77-47-4	Hexachlorocyclopentadiene	4.2	U	4.2	0.36
67-72-1	Hexachloroethane	4.2	U	4.2	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	4.2	U	4.2	0.29
78-59-1	Isophorone	4.2	U	4.2	0.32
91-57-6	2-Methylnaphthalene	4.2	U	4.2	0.28
91-20-3	Naphthalene	4.2	U	4.2	0.31
88-74-4	2-Nitroaniline	4.2	U	4.2	0.35
99-09-2	3-Nitroaniline	4.2	U	4.2	0.24
98-95-3	Nitrobenzene	4.2	U	4.2	0.29
621-64-7	N-Nitrosodi-n-propylamine	4.2	U	4.2	0.34
86-30-6	N-Nitrosodiphenylamine	4.2	U	4.2	0.34
85-01-8	Phenanthrene	0.33	J	4.2	0.29
129-00-0	Pyrene	0.58	J	4.2	0.34
120-82-1	1,2,4-Trichlorobenzene	4.2	U	4.2	0.38
59-50-7	4-Chloro-3-methylphenol	5.2	U	5.2	0.35
95-57-8	2-Chlorophenol	4.2	U	4.2	0.24
95-48-7	2-Methylphenol	4.2	U	4.2	0.25
106-44-5	4-Methylphenol	4.2	U	4.2	0.30
120-83-2	2,4-Dichlorophenol	4.2	U	4.2	0.34
105-67-9	2,4-Dimethylphenol	4.2	U	4.2	0.34
51-28-5	2,4-Dinitrophenol	26	U	26	0.45
534-52-1	4,6-Dinitro-2-methylphenol	26	U	26	1.9
88-75-5	2-Nitrophenol	4.2	U	4.2	0.28
100-02-7	4-Nitrophenol	10	U	10	1.5
87-86-5	Pentachlorophenol	26	U	26	0.32
108-95-2	Phenol	4.2	U	4.2	0.20
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.29
88-06-2	2,4,6-Trichlorophenol	4.2	U	4.2	0.39
100-51-6	Benzyl alcohol	4.2	U	4.2	0.43
100-01-6	4-Nitroaniline	4.2	U	4.2	0.21
108-60-1	2,2'-oxybis[1-chloropropane]	4.2	U	4.2	0.26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-7 | Lab Sample ID: 220-15975-5

Matrix: Water | Lab File ID: Z21697.D

Analysis Method: 8270C | Date Collected: 07/11/2011 12:30

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 960(mL) | Date Analyzed: 07/18/2011 13:50

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	79		39-120
367-12-4	2-Fluorophenol	43		13-120
118-79-6	2,4,6-Tribromophenol	99		36-120
4165-60-0	Nitrobenzene-d5	76		40-120
4165-62-2	Phenol-d5	31		10-120
1718-51-0	Terphenyl-d14	101		10-120

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\Z21697.D
Lab Smp Id: 220-15975-E-5-A Client Smp ID: MW-7
Inj Date : 18-JUL-2011 13:50
Operator : S.Jonas Inst ID: msz.i
Smp Info : 220-15975-E-5-A
Misc Info : 220-15975-E-5-A
Comment :
Method : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\MSZ-8270C.m
Meth Date : 18-Jul-2011 08:04 stephan Quant Type: ISTD
Cal Date : 23-JUN-2011 08:38 Cal File: Z21499.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	960.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)
*	1 1,4-Dichlorobenzene-d4	152	4.843	4.846	(1.000)	276626	20.0000	
$	2 2-Fluorophenol	112	3.398	3.401	(0.702)	508605	32.4239	34
$	3 Phenol-d5	99	4.514	4.526	(0.932)	519541	22.8768	24
	11 1,3-Dichlorobenzene	146	4.778	4.781	(0.987)	24845	1.06482	1
	12 1,4-Dichlorobenzene	146	4.862	4.865	(1.004)	139229	5.79424	6
	14 1,2-Dichlorobenzene	146	5.023	5.026	(1.037)	14164	0.63955	0.7
*	20 Naphthalene-d8	136	6.205	6.211	(1.000)	1254026	20.0000	
$	21 Nitrobenzene-d5	82	5.446	5.452	(0.878)	844729	37.9224	40
*	35 Acenaphthene-d10	164	8.072	8.072	(1.000)	783230	20.0000	
$	40 2-Fluorobiphenyl	172	7.373	7.376	(0.913)	1838301	39.2836	41
$	56 2,4,6-Tribromophenol	330	8.915	8.915	(1.104)	530662	74.0696	77
*	57 Phenanthrene-d10	188	9.642	9.645	(1.000)	1378804	20.0000	
	64 Phenanthrene	178	9.664	9.673	(1.002)	24508	0.31586	0.3
	68 Fluoranthene	202	10.926	10.929	(1.133)	51191	0.62924	0.6
*	70 Chrysene-d12	240	12.533	12.529	(1.000)	1134199	20.0000	
	72 Pyrene	202	11.162	11.165	(0.891)	44172	0.56077	0.6
$	73 Terphenyl-d14	244	11.352	11.339	(0.906)	2655253	50.6553	53
	77 Chrysene	228	12.557	12.567	(1.002)	27667	0.43748	0.4
	78 Bis(2-Ethylhexyl)phthalate	149	12.573	12.567	(1.003)	29919	0.74678	0.8
*	79 Perylene-d12	264	14.711	14.708	(1.000)	445583	20.0000	

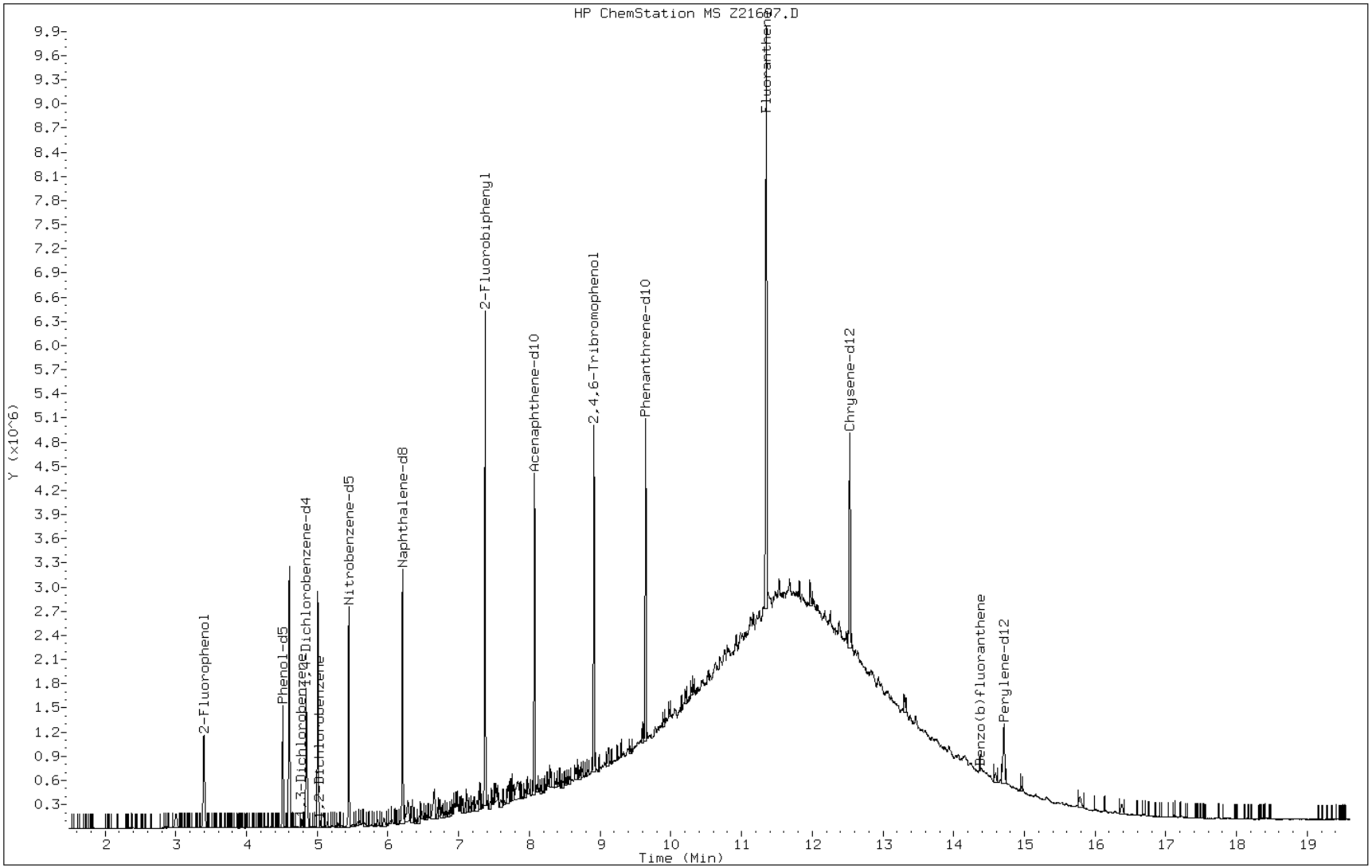
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)
81 Benzo(b)fluoranthene	252	14.065	14.074	(0.956)	14682	0.52295	0.5

Data File: Z21697.D

Date: 18-JUL-2011 13:50

Client ID: MW-7 Instrument: msz.i

Sample Info: 220-15975-E-5-A Operator: S.Jonas



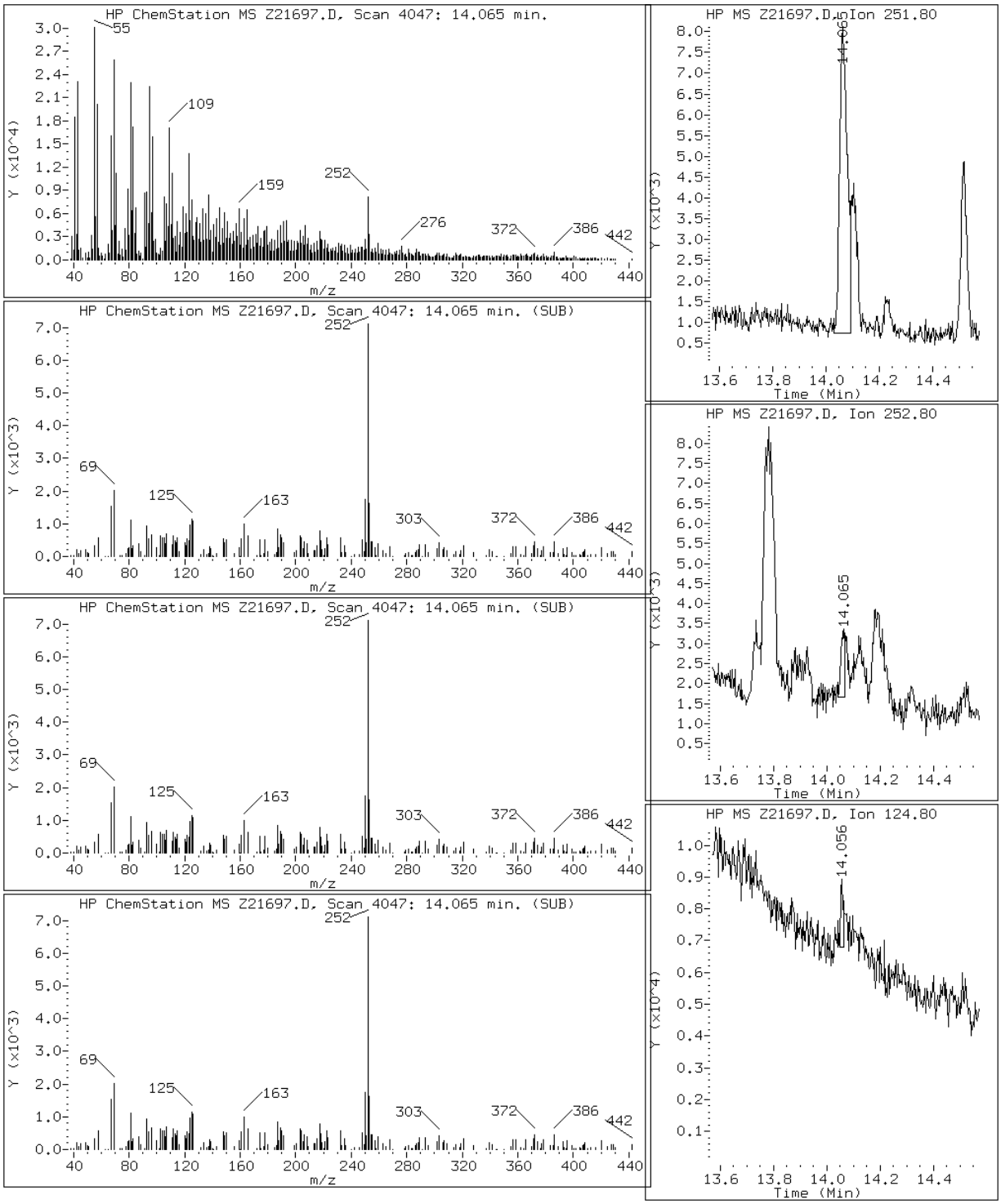
Data File: Z21697.D

Date: 18-JUL-2011 13:50

Client ID: MW-7 Instrument: msz.i

Sample Info: 220-15975-E-5-A Operator: S.Jonas

81 Benzo(b)fluoranthene



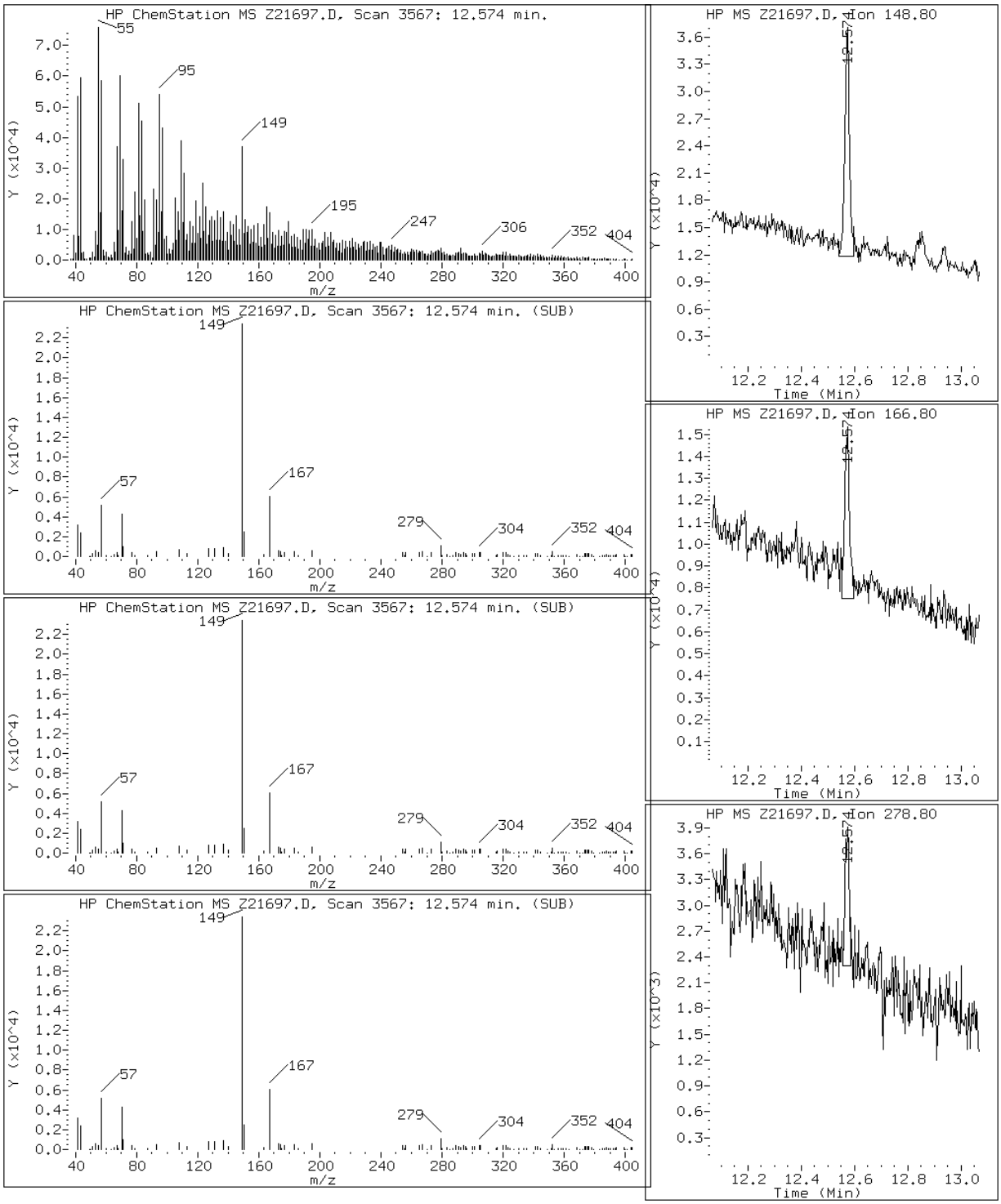
Data File: Z21697.D

Date: 18-JUL-2011 13:50

Client ID: MW-7 Instrument: msz.i

Sample Info: 220-15975-E-5-A Operator: S.Jonas

78 Bis(2-Ethylhexyl)phthalate



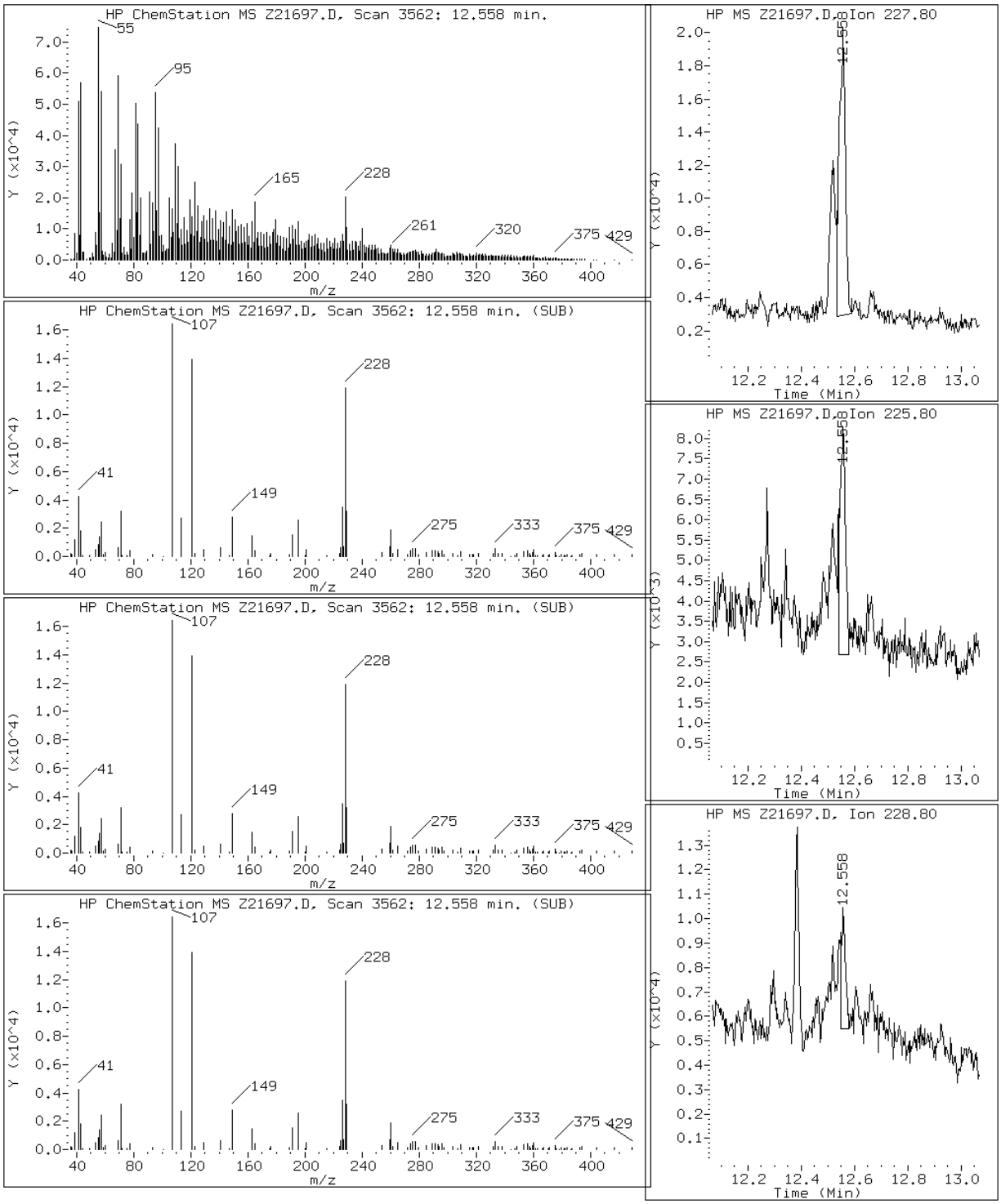
Data File: Z21697.D

Date: 18-JUL-2011 13:50

Client ID: MW-7 Instrument: msz.i

Sample Info: 220-15975-E-5-A Operator: S.Jonas

77 Chrysene



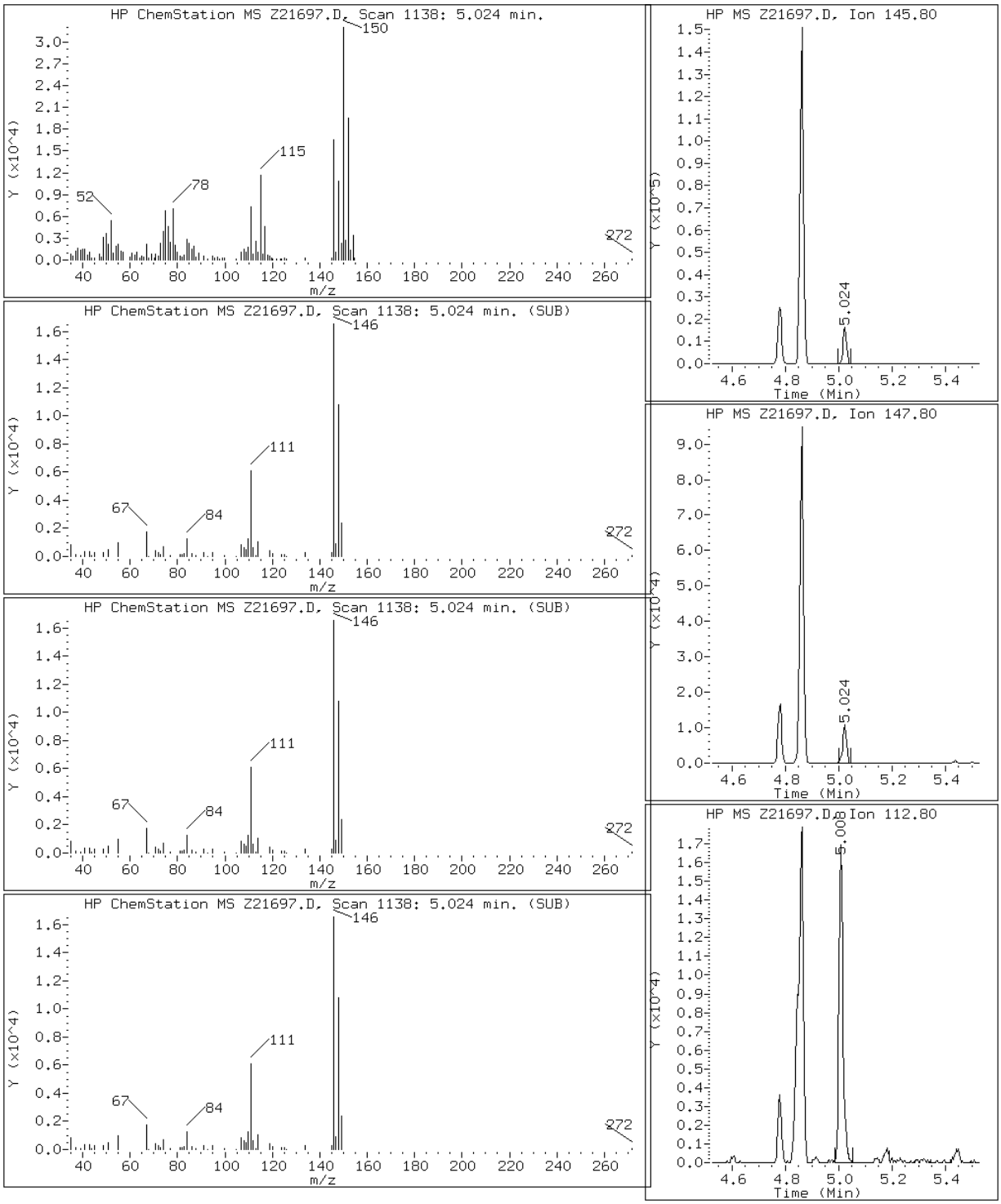
Data File: Z21697.D

Date: 18-JUL-2011 13:50

Client ID: MW-7 Instrument: msz.i

Sample Info: 220-15975-E-5-A Operator: S.Jonas

14 1,2-Dichlorobenzene



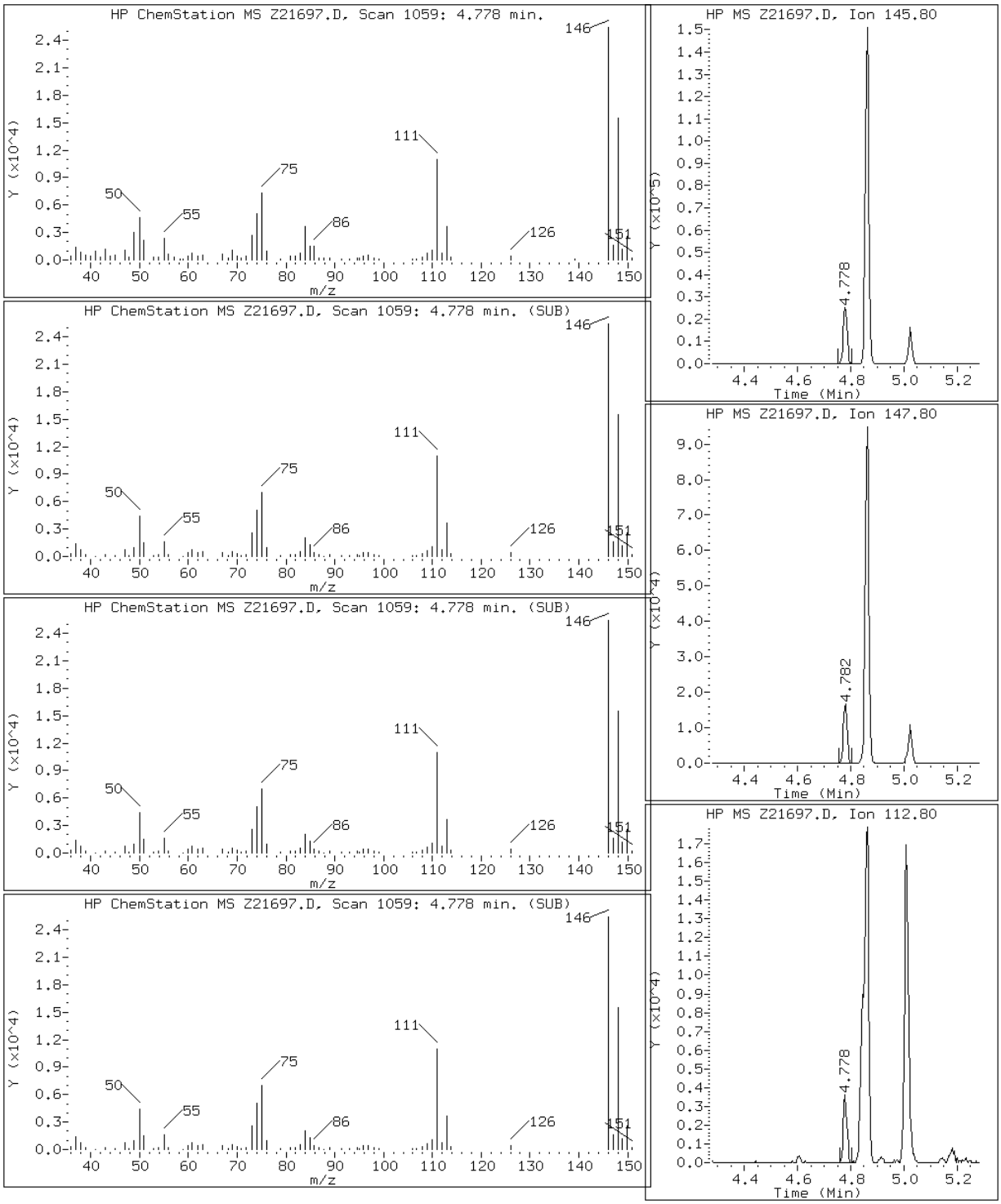
Data File: Z21697.D

Date: 18-JUL-2011 13:50

Client ID: MW-7 Instrument: msz.i

Sample Info: 220-15975-E-5-A Operator: S.Jonas

11 1,3-Dichlorobenzene



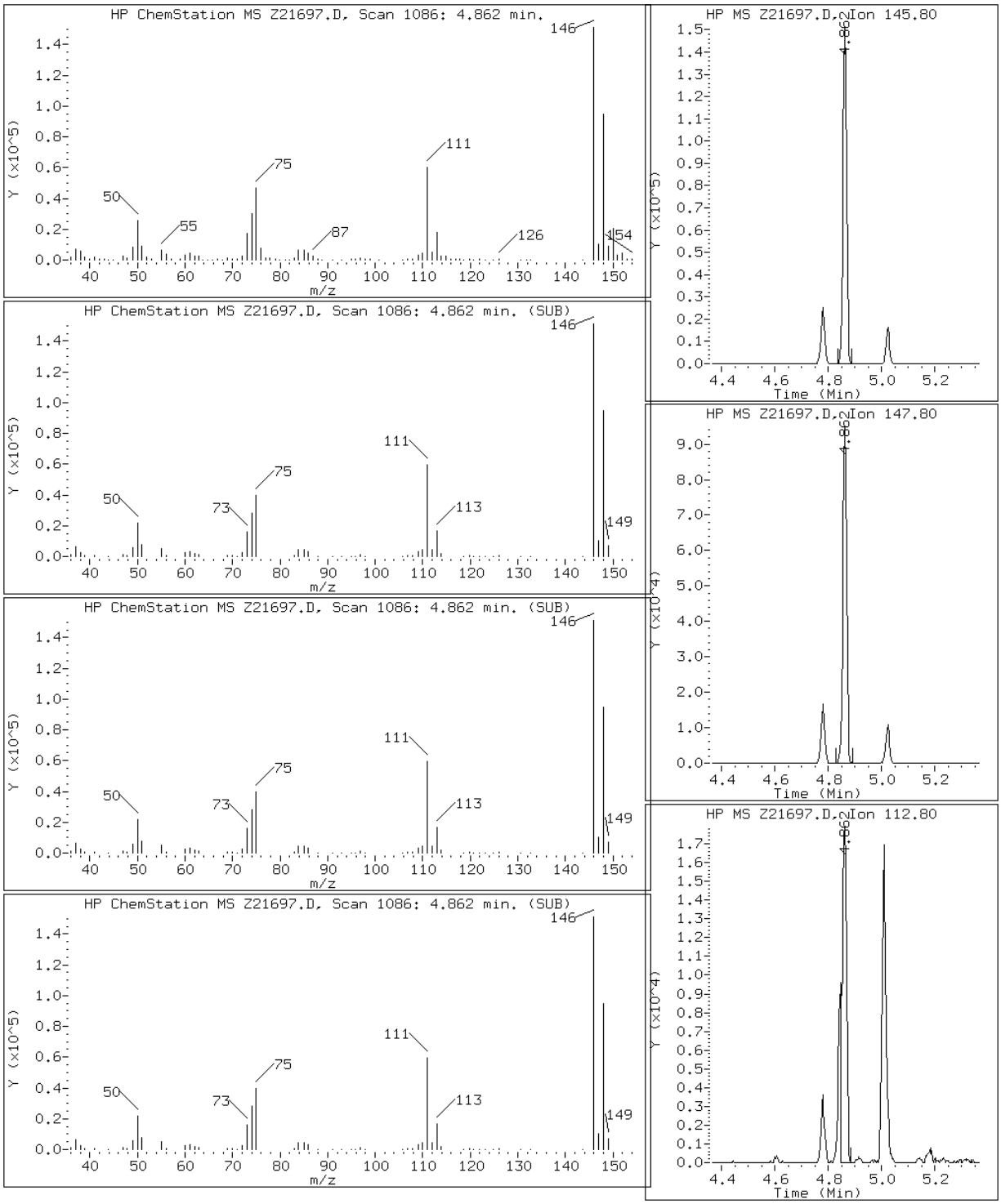
Data File: Z21697.D

Date: 18-JUL-2011 13:50

Client ID: MW-7 Instrument: msz.i

Sample Info: 220-15975-E-5-A Operator: S.Jonas

12 1,4-Dichlorobenzene



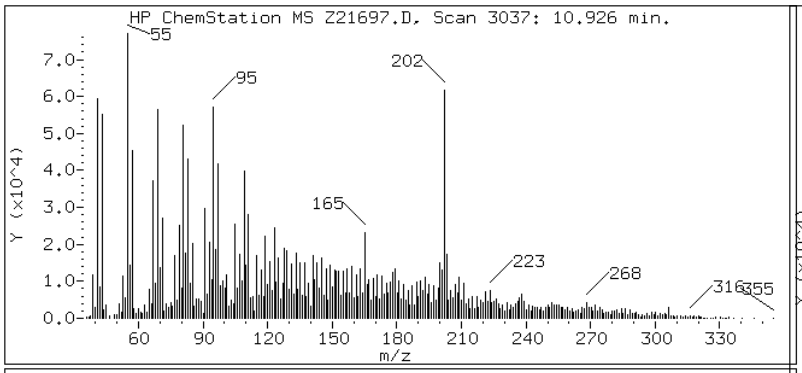
Data File: Z21697.D

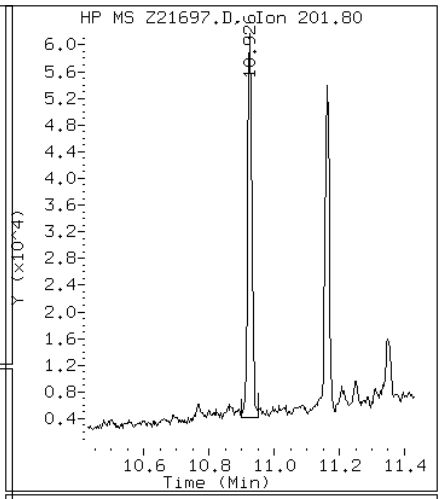
Date: 18-JUL-2011 13:50

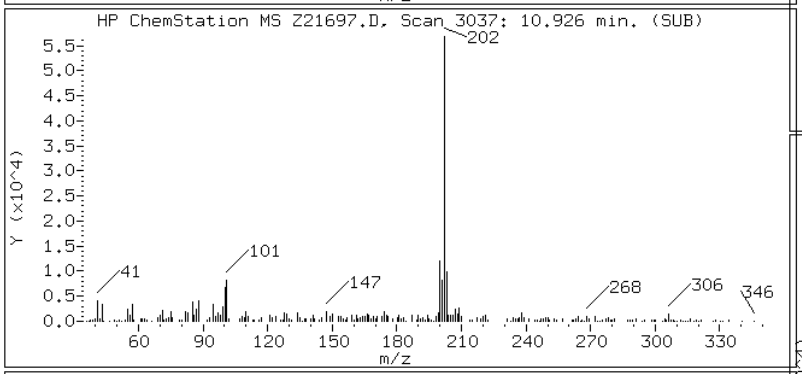
Client ID: MW-7 Instrument: msz.i

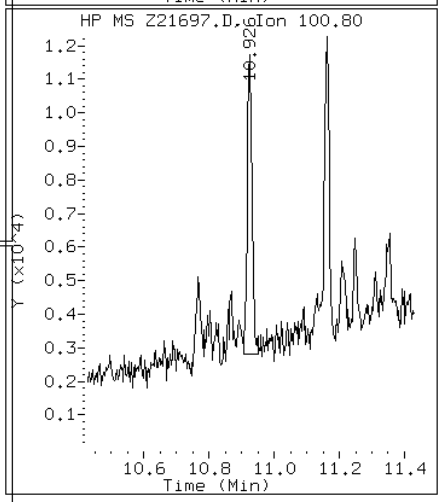
Sample Info: 220-15975-E-5-A Operator: S.Jonas

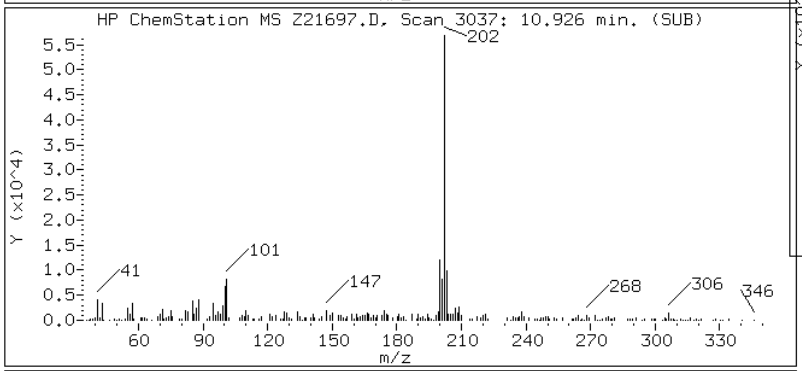
68 Fluoranthene

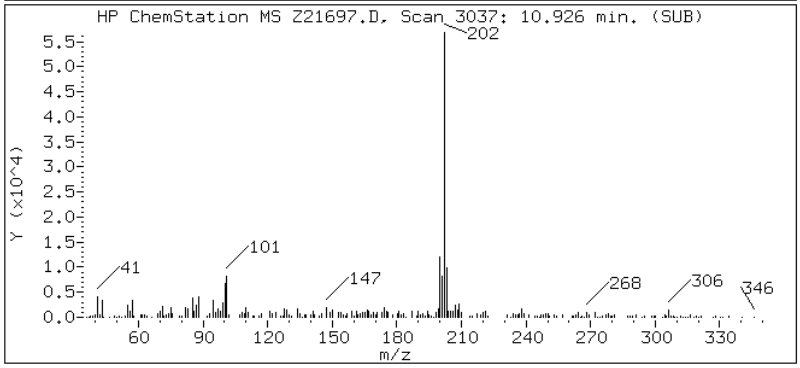












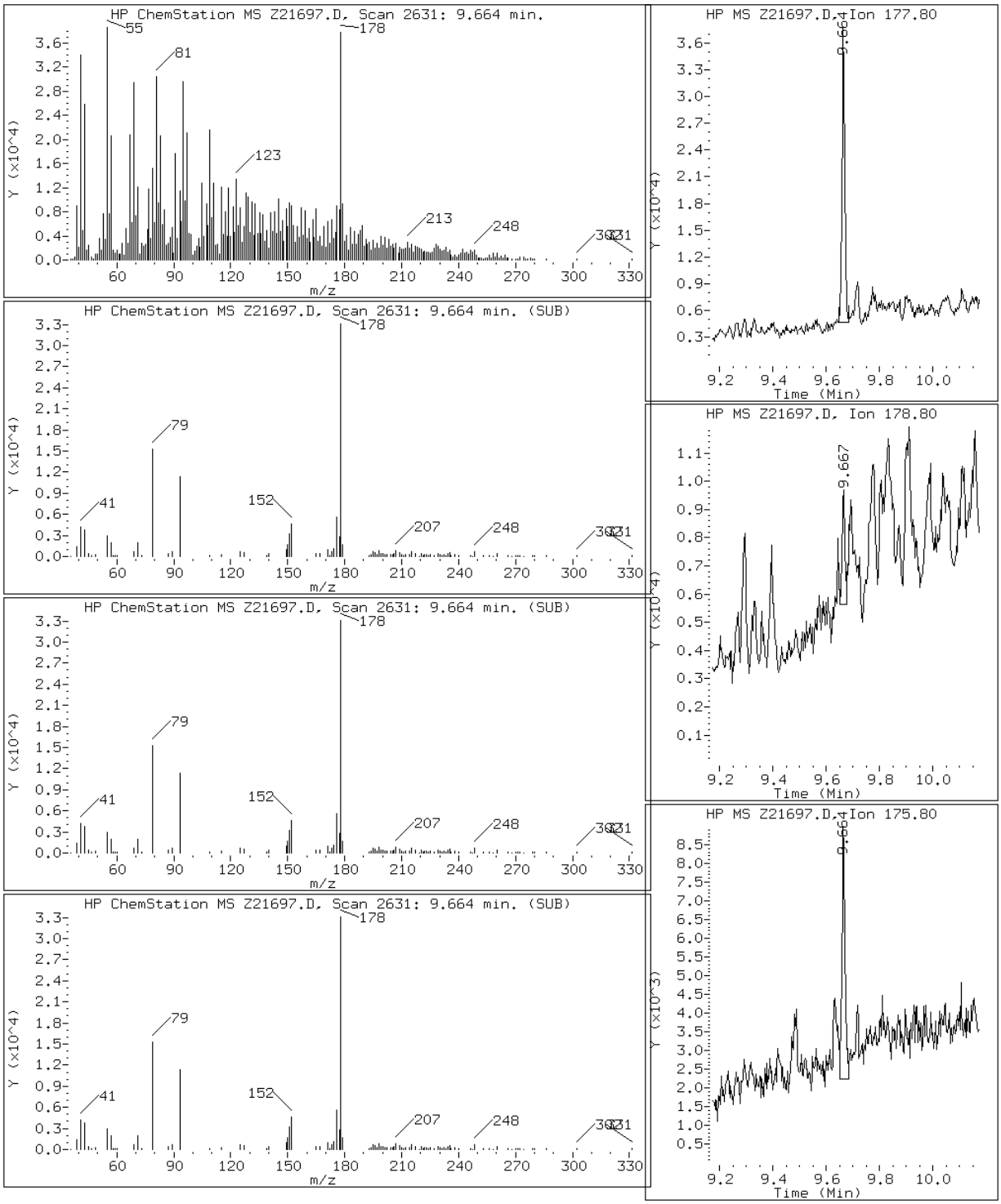
Data File: Z21697.D

Date: 18-JUL-2011 13:50

Client ID: MW-7 Instrument: msz.i

Sample Info: 220-15975-E-5-A Operator: S.Jonas

64 Phenanthrene



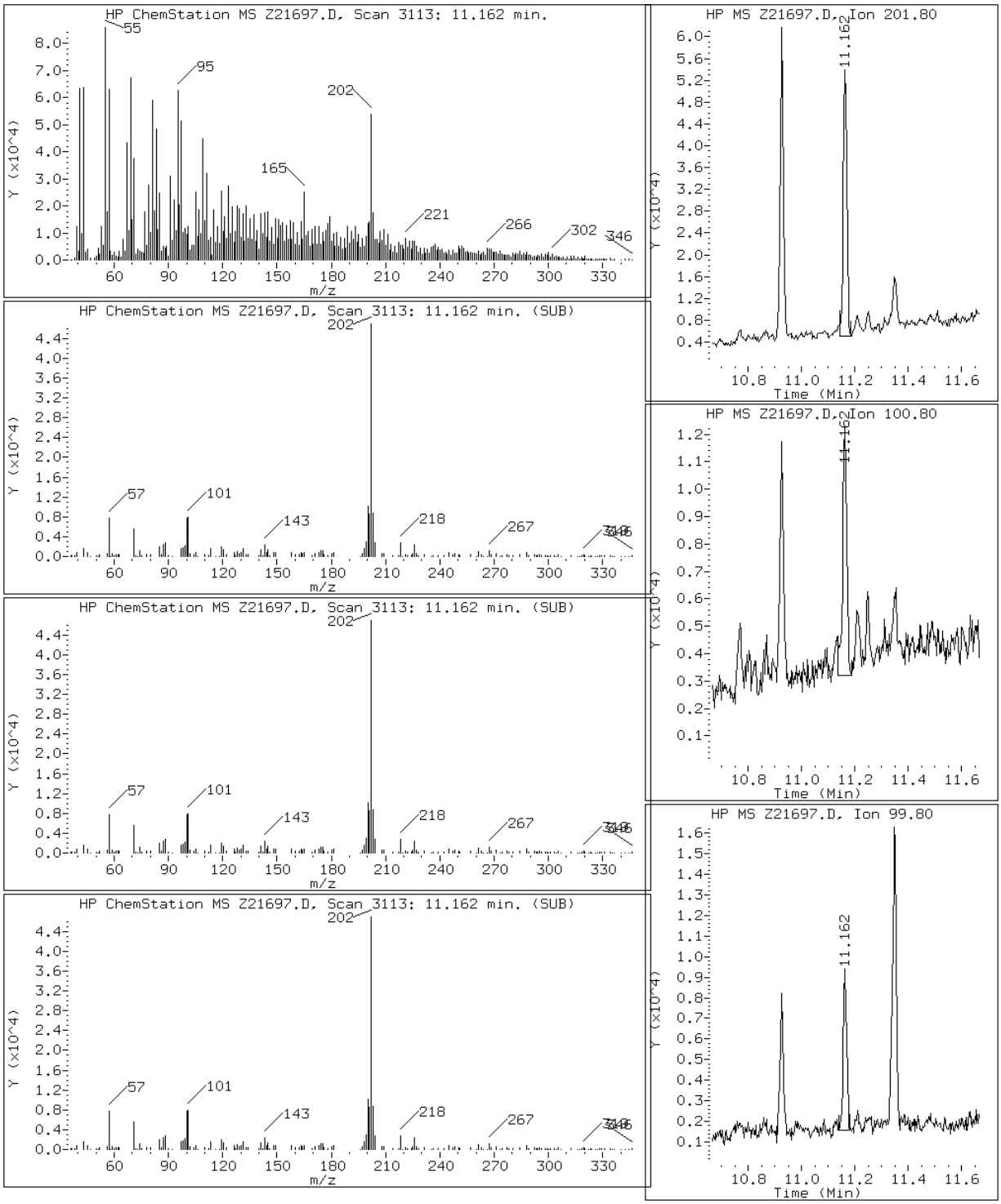
Data File: Z21697.D

Date: 18-JUL-2011 13:50

Client ID: MW-7 Instrument: msz.i

Sample Info: 220-15975-E-5-A Operator: S.Jonas

72 Pyrene



Manual Integration Report

Data File: Z21697.D
Inj. Date and Time: 18-JUL-2011 13:50
Instrument ID: msz.i
Client ID: MW-7
Compound: 76 Benzo(a)anthracene
CAS #: 56-55-3
Report Date: 07/19/2011

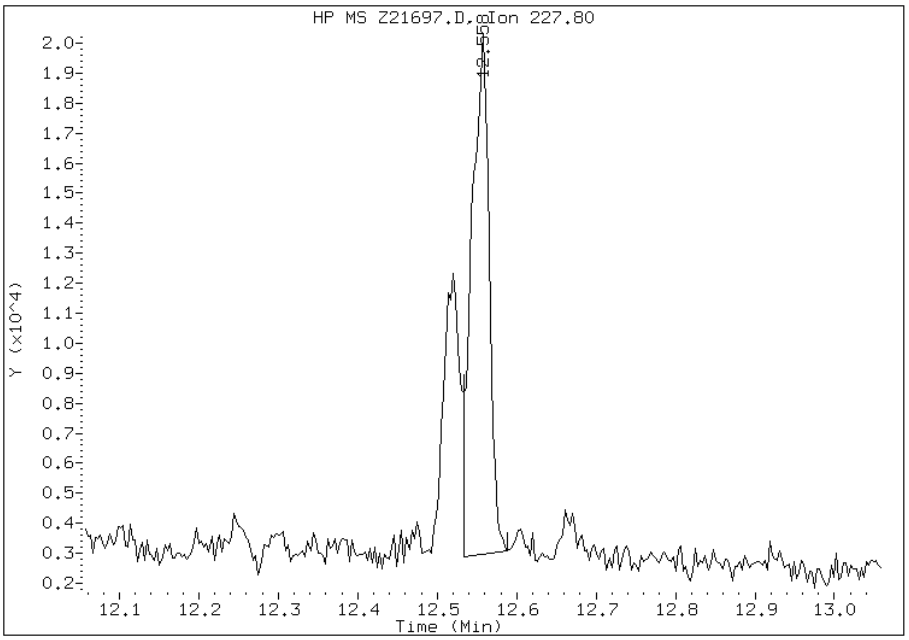
Processing Integration Results

RT: 12.56

Response: 27667

Amount: 0

Conc: 0



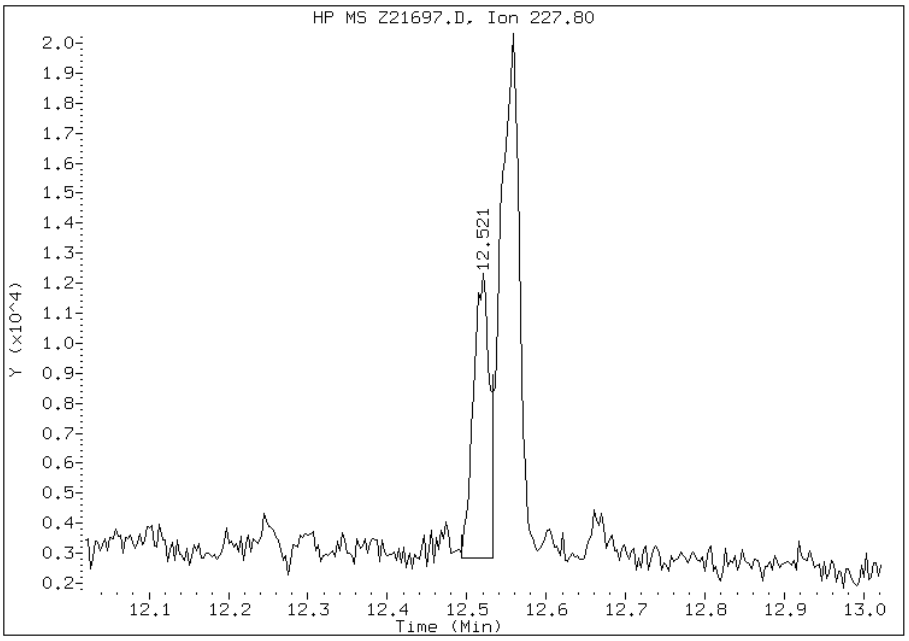
Manual Integration Results

RT: 12.52

Response: 13899

Amount: 0

Conc: 0



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak identification

Manual Integration Report

Data File: Z21697.D
Inj. Date and Time: 18-JUL-2011 13:50
Instrument ID: msz.i
Client ID: MW-7
Compound: 82 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 07/19/2011

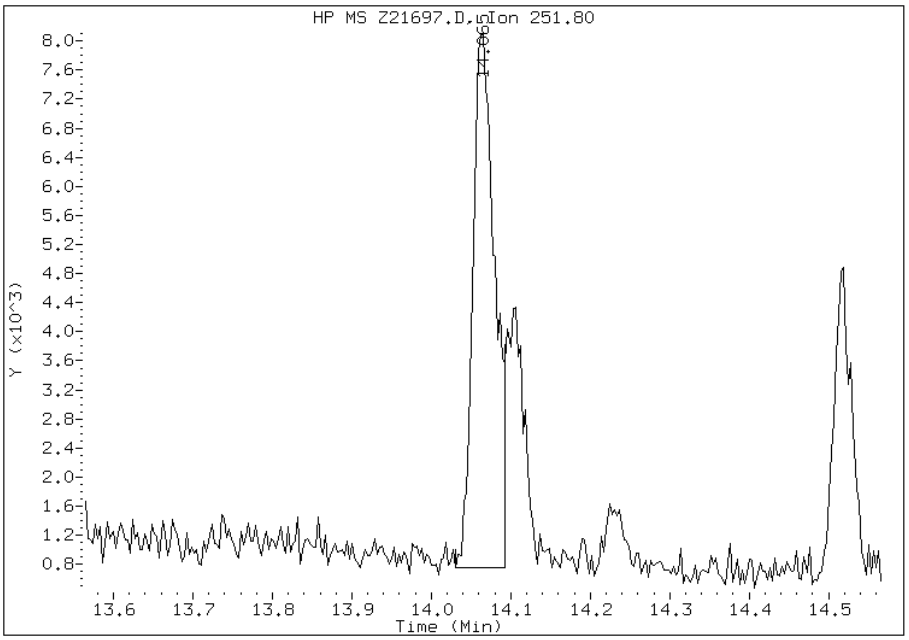
Processing Integration Results

RT: 14.07

Response: 14682

Amount: 1

Conc: 1



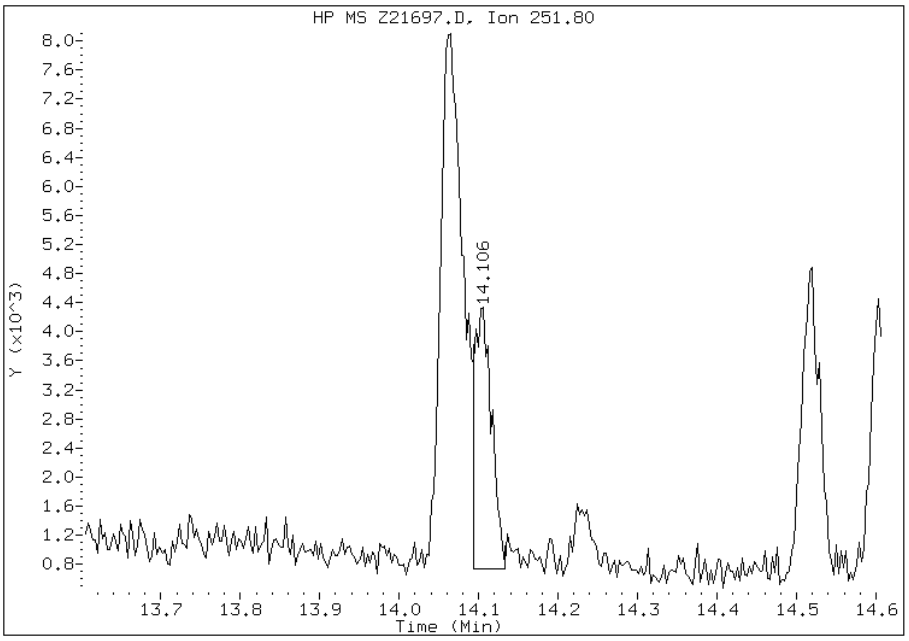
Manual Integration Results

RT: 14.11

Response: 5551

Amount: 0

Conc: 0



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak identification

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-3 | Lab Sample ID: 220-15975-6

Matrix: Water | Lab File ID: C24348.D

Analysis Method: 8270C | Date Collected: 07/11/2011 12:55

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 960(mL) | Date Analyzed: 07/19/2011 20:19

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 53063 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	4.2	U	4.2	0.32
208-96-8	Acenaphthylene	4.2	U	4.2	0.35
120-12-7	Anthracene	4.2	U	4.2	0.30
56-55-3	Benzo[a]anthracene	4.2	U	4.2	0.31
50-32-8	Benzo[a]pyrene	4.2	U	4.2	0.36
205-99-2	Benzo[b]fluoranthene	4.2	U	4.2	0.38
191-24-2	Benzo[g,h,i]perylene	4.2	U	4.2	0.38
207-08-9	Benzo[k]fluoranthene	4.2	U	4.2	0.42
111-91-1	Bis(2-chloroethoxy)methane	4.2	U	4.2	0.32
111-44-4	Bis(2-chloroethyl)ether	4.2	U	4.2	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	2.8	J B	4.2	0.56
85-68-7	Butyl benzyl phthalate	4.2	U	4.2	0.36
86-74-8	Carbazole	4.2	U	4.2	0.34
218-01-9	Chrysene	4.2	U	4.2	0.26
84-74-2	Di-n-butyl phthalate	4.2	U	4.2	0.36
117-84-0	Di-n-octyl phthalate	4.2	U	4.2	0.40
101-55-3	4-Bromophenyl phenyl ether	4.2	U	4.2	0.46
106-47-8	4-Chloroaniline	4.2	U	4.2	0.30
91-58-7	2-Chloronaphthalene	4.2	U	4.2	0.41
7005-72-3	4-Chlorophenyl phenyl ether	4.2	U	4.2	0.36
53-70-3	Dibenz(a,h)anthracene	4.2	U	4.2	0.40
132-64-9	Dibenzofuran	4.2	U	4.2	0.45
84-66-2	Diethyl phthalate	4.2	U	4.2	0.45
131-11-3	Dimethyl phthalate	4.2	U	4.2	0.40
95-50-1	1,2-Dichlorobenzene	1.3	J	4.2	0.32
541-73-1	1,3-Dichlorobenzene	4.2	U	4.2	0.26
106-46-7	1,4-Dichlorobenzene	0.69	J	4.2	0.32
91-94-1	3,3'-Dichlorobenzidine	4.2	U	4.2	0.38
121-14-2	2,4-Dinitrotoluene	4.2	U	4.2	0.42
606-20-2	2,6-Dinitrotoluene	4.2	U	4.2	0.27
206-44-0	Fluoranthene	4.2	U	4.2	0.32
86-73-7	Fluorene	4.2	U	4.2	0.27
118-74-1	Hexachlorobenzene	4.2	U	4.2	0.34
87-68-3	Hexachlorobutadiene	4.2	U	4.2	0.21

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-3 | Lab Sample ID: 220-15975-6

Matrix: Water | Lab File ID: C24348.D

Analysis Method: 8270C | Date Collected: 07/11/2011 12:55

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 960(mL) | Date Analyzed: 07/19/2011 20:19

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 53063 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
77-47-4	Hexachlorocyclopentadiene	4.2	U	4.2	0.36
67-72-1	Hexachloroethane	4.2	U	4.2	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	4.2	U	4.2	0.29
78-59-1	Isophorone	4.2	U	4.2	0.32
91-57-6	2-Methylnaphthalene	4.2	U	4.2	0.28
91-20-3	Naphthalene	4.2	U	4.2	0.31
88-74-4	2-Nitroaniline	4.2	U	4.2	0.35
99-09-2	3-Nitroaniline	4.2	U	4.2	0.24
98-95-3	Nitrobenzene	4.2	U	4.2	0.29
621-64-7	N-Nitrosodi-n-propylamine	4.2	U	4.2	0.34
86-30-6	N-Nitrosodiphenylamine	4.2	U	4.2	0.34
85-01-8	Phenanthrene	4.2	U	4.2	0.29
129-00-0	Pyrene	4.2	U	4.2	0.34
120-82-1	1,2,4-Trichlorobenzene	4.2	U	4.2	0.38
59-50-7	4-Chloro-3-methylphenol	5.2	U	5.2	0.35
95-57-8	2-Chlorophenol	4.2	U	4.2	0.24
95-48-7	2-Methylphenol	4.2	U	4.2	0.25
106-44-5	4-Methylphenol	4.2	U	4.2	0.30
120-83-2	2,4-Dichlorophenol	4.2	U	4.2	0.34
105-67-9	2,4-Dimethylphenol	4.2	U	4.2	0.34
51-28-5	2,4-Dinitrophenol	26	U	26	0.45
534-52-1	4,6-Dinitro-2-methylphenol	26	U	26	1.9
88-75-5	2-Nitrophenol	4.2	U	4.2	0.28
100-02-7	4-Nitrophenol	10	U	10	1.5
87-86-5	Pentachlorophenol	26	U	26	0.32
108-95-2	Phenol	4.2	U	4.2	0.20
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.29
88-06-2	2,4,6-Trichlorophenol	4.2	U	4.2	0.39
100-51-6	Benzyl alcohol	4.2	U	4.2	0.43
100-01-6	4-Nitroaniline	4.2	U	4.2	0.21
108-60-1	2,2'-oxybis[1-chloropropane]	4.2	U	4.2	0.26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-3 Lab Sample ID: 220-15975-6

Matrix: Water Lab File ID: C24348.D

Analysis Method: 8270C Date Collected: 07/11/2011 12:55

Extract. Method: 3510C Date Extracted: 07/14/2011 13:55

Sample wt/vol: 960(mL) Date Analyzed: 07/19/2011 20:19

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

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

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

Analysis Batch No.: 53063 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	73		39-120
367-12-4	2-Fluorophenol	43		13-120
118-79-6	2,4,6-Tribromophenol	87		36-120
4165-60-0	Nitrobenzene-d5	77		40-120
4165-62-2	Phenol-d5	30		10-120
1718-51-0	Terphenyl-d14	121	*	10-120

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124329.b\C24348.D
Lab Smp Id: 220-15975-E-6-A Client Smp ID: MW-3
Inj Date : 19-JUL-2011 20:19
Operator : S.Jonas Inst ID: msc.i
Smp Info : 220-15975-E-6-A
Misc Info : 220-15975-E-6-A
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124329.b\MSC-8270C.m
Meth Date : 19-Jul-2011 11:25 stephan Quant Type: ISTD
Cal Date : 14-JUL-2011 12:05 Cal File: C24250.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	960.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)
*	1 1,4-Dichlorobenzene-d4	152	4.872	4.878	(1.000)	970644	20.0000	
$	2 2-Fluorophenol	112	3.436	3.442	(0.705)	1776502	32.1748	34
$	3 Phenol-d5	99	4.546	4.557	(0.933)	1681235	22.8167	24
	6 Cyclohexanone	42	3.667	3.655	(0.753)	3942	2.54944	3
	12 1,4-Dichlorobenzene	146	4.890	4.896	(1.004)	53324	0.66440	0.7
	14 1,2-Dichlorobenzene	146	5.056	5.056	(1.038)	95308	1.26776	1
*	20 Naphthalene-d8	136	6.237	6.243	(1.000)	3859371	20.0000	
$	21 Nitrobenzene-d5	82	5.477	5.483	(0.878)	2573835	38.4434	40
*	35 Acenaphthene-d10	164	8.107	8.113	(1.000)	2455733	20.0000	
$	40 2-Fluorobiphenyl	172	7.406	7.412	(0.914)	5447570	36.3656	38
$	56 2,4,6-Tribromophenol	330	8.950	8.955	(1.104)	1387680	65.2159	68
*	57 Phenanthrene-d10	188	9.680	9.686	(1.000)	4214496	20.0000	
*	70 Chrysene-d12	240	12.582	12.588	(1.000)	2304573	20.0000	
$	73 Terphenyl-d14	244	11.389	11.383	(0.905)	6136666	60.5255	63(R)
	78 Bis(2-Ethylhexyl)phthalate	149	12.624	12.624	(1.003)	32780	2.68118	3(M)
*	79 Perylene-d12	264	14.796	14.796	(1.000)	1056368	20.0000	

QC Flag Legend

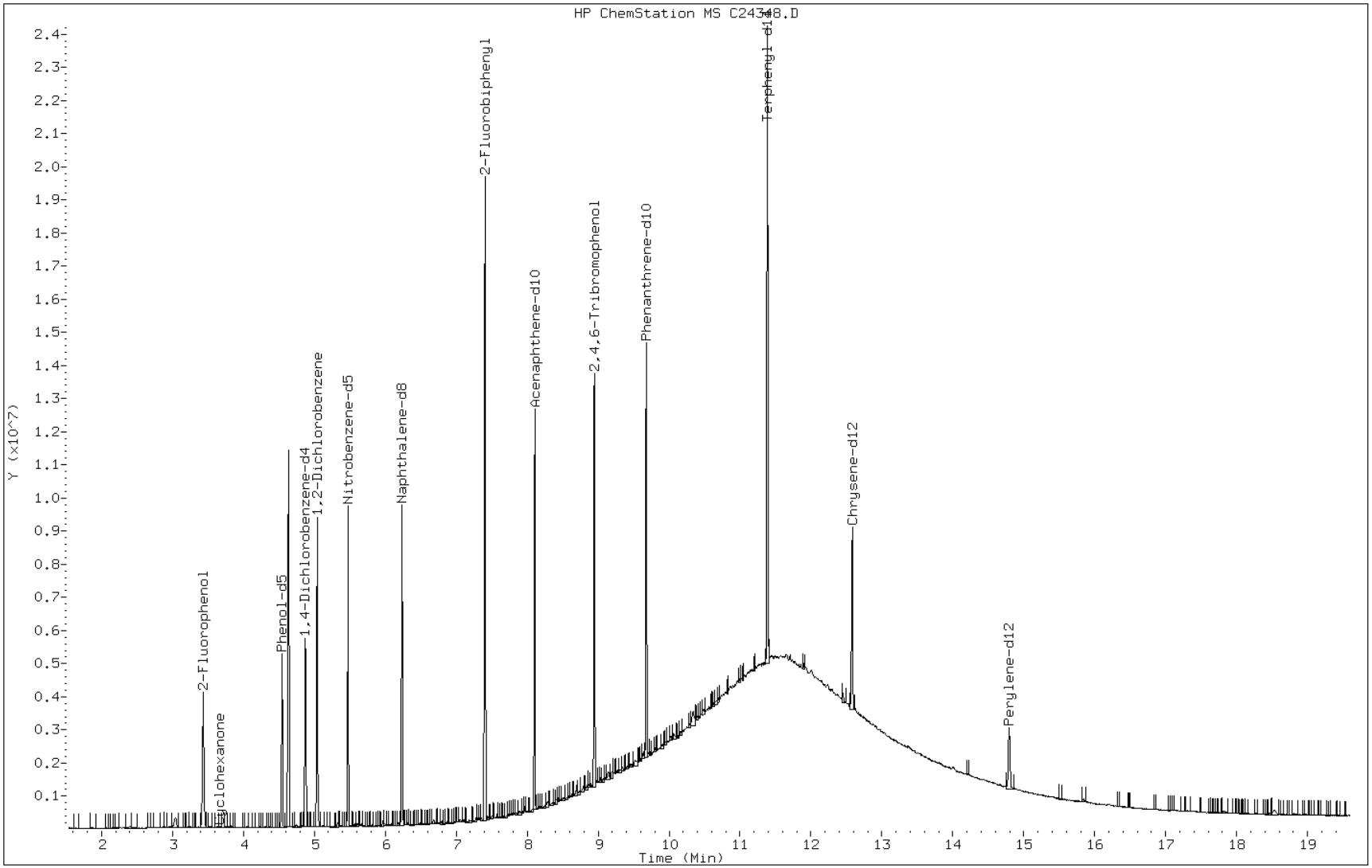
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: C24348.D

Date: 19-JUL-2011 20:19

Client ID: MW-3 Instrument: msc.i

Sample Info: 220-15975-E-6-A Operator: S.Jonas



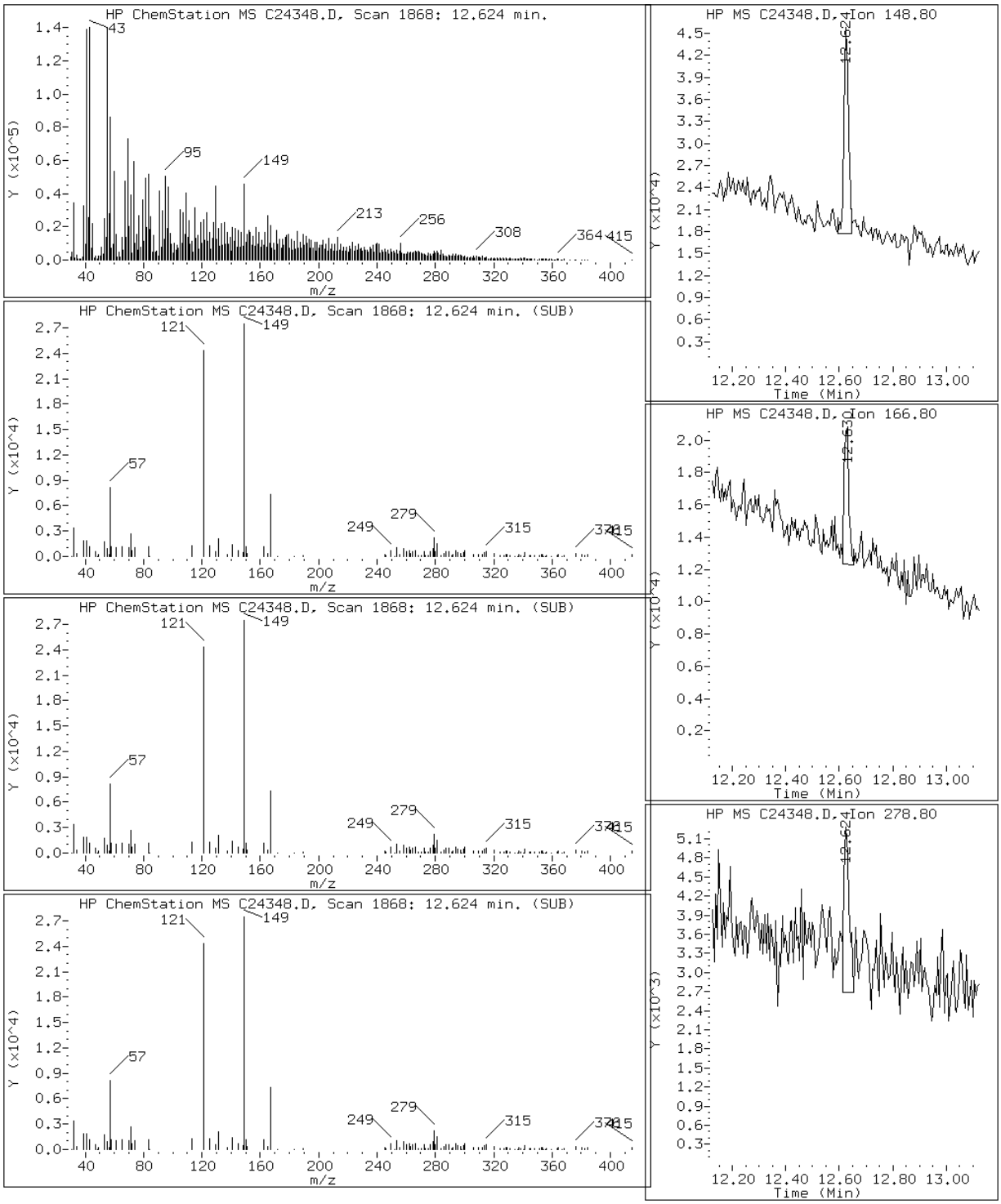
Data File: C24348.D

Date: 19-JUL-2011 20:19

Client ID: MW-3 Instrument: msc.i

Sample Info: 220-15975-E-6-A Operator: S.Jonas

78 Bis(2-Ethylhexyl)phthalate



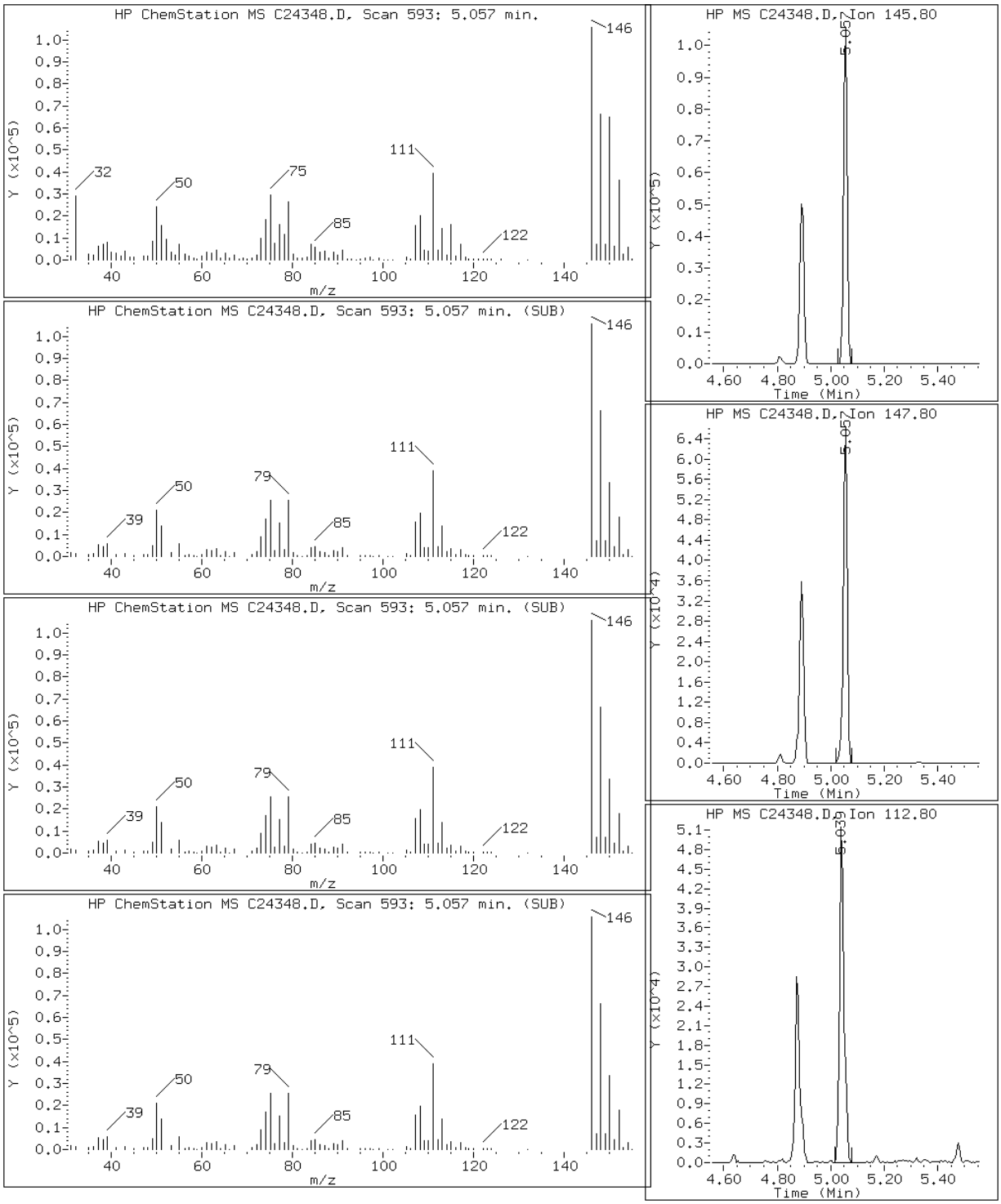
Data File: C24348.D

Date: 19-JUL-2011 20:19

Client ID: MW-3 Instrument: msc.i

Sample Info: 220-15975-E-6-A Operator: S.Jonas

14 1,2-Dichlorobenzene



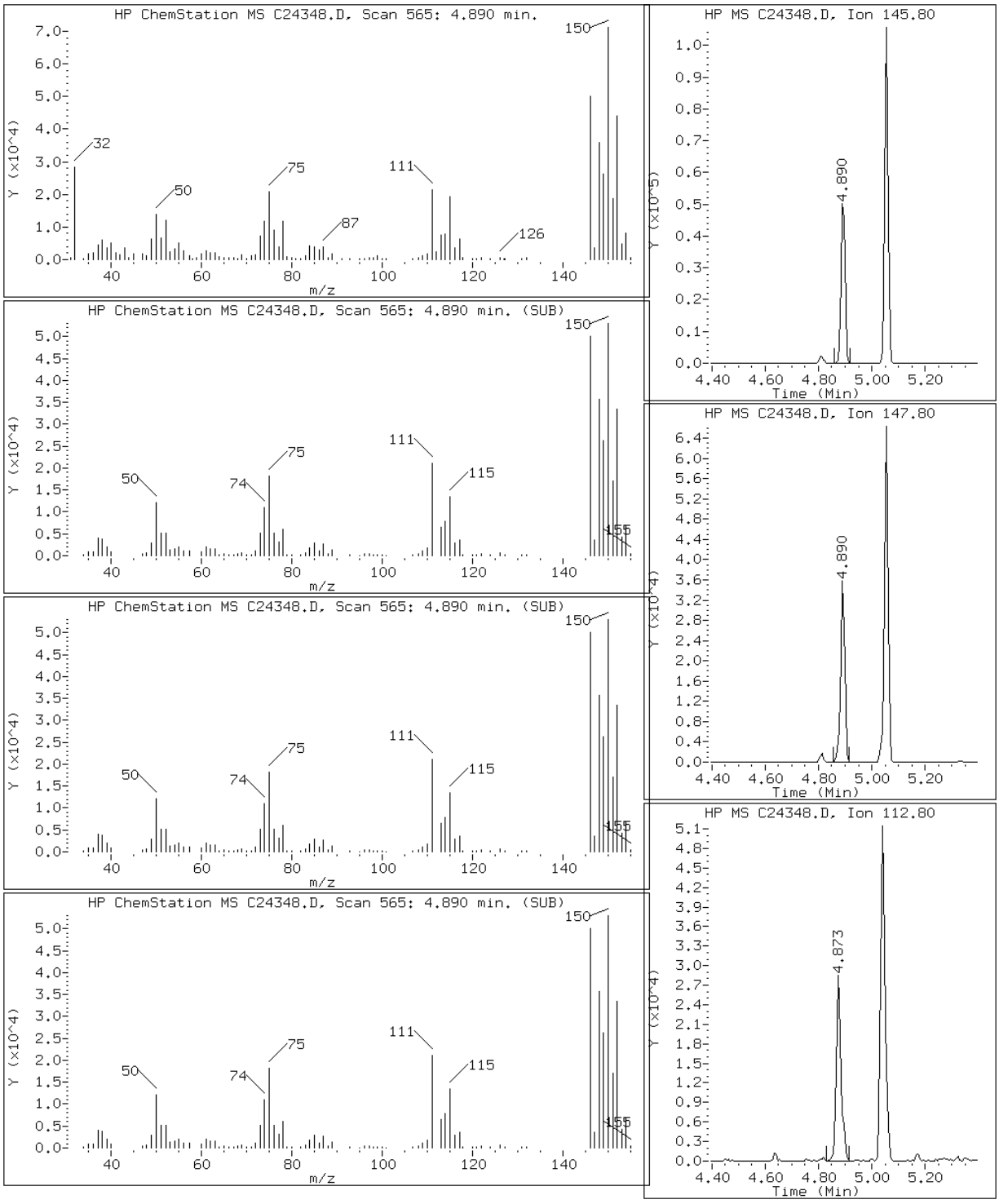
Data File: C24348.D

Date: 19-JUL-2011 20:19

Client ID: MW-3 Instrument: msc.i

Sample Info: 220-15975-E-6-A Operator: S.Jonas

12 1,4-Dichlorobenzene



Manual Integration Report

Data File: C24348.D
Inj. Date and Time: 19-JUL-2011 20:19
Instrument ID: msc.i
Client ID: MW-3
Compound: 78 Bis(2-Ethylhexyl)phthalate
CAS #: 117-81-7
Report Date: 07/20/2011

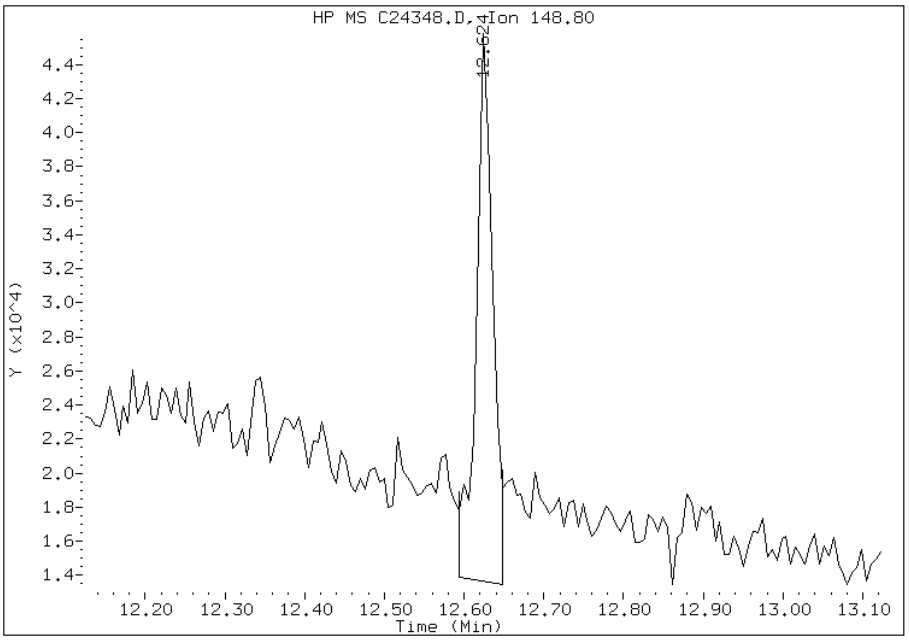
Processing Integration Results

RT: 12.62

Response: 47442

Amount: 3

Conc: 3



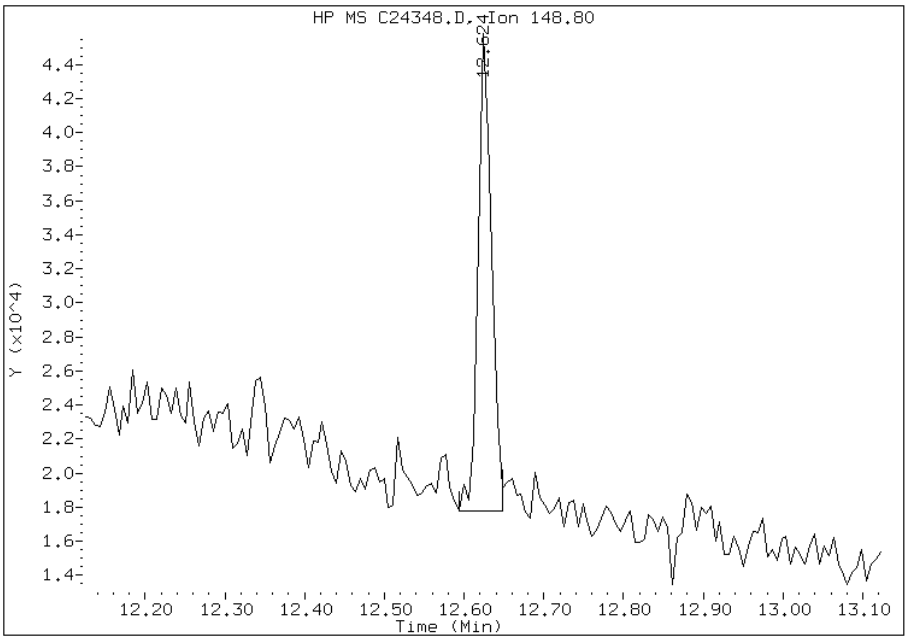
Manual Integration Results

RT: 12.62

Response: 32780

Amount: 3

Conc: 3



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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-2 | Lab Sample ID: 220-15975-7

Matrix: Water | Lab File ID: C24349.D

Analysis Method: 8270C | Date Collected: 07/11/2011 14:00

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 960(mL) | Date Analyzed: 07/19/2011 20:50

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 53063 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	4.2	U	4.2	0.32
208-96-8	Acenaphthylene	4.2	U	4.2	0.35
120-12-7	Anthracene	4.2	U	4.2	0.30
56-55-3	Benzo[a]anthracene	4.2	U	4.2	0.31
50-32-8	Benzo[a]pyrene	4.2	U	4.2	0.36
205-99-2	Benzo[b]fluoranthene	4.2	U	4.2	0.38
191-24-2	Benzo[g,h,i]perylene	4.2	U	4.2	0.38
207-08-9	Benzo[k]fluoranthene	4.2	U	4.2	0.42
111-91-1	Bis(2-chloroethoxy)methane	4.2	U	4.2	0.32
111-44-4	Bis(2-chloroethyl)ether	4.2	U	4.2	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	2.8	J B	4.2	0.56
85-68-7	Butyl benzyl phthalate	4.2	U	4.2	0.36
86-74-8	Carbazole	4.2	U	4.2	0.34
218-01-9	Chrysene	4.2	U	4.2	0.26
84-74-2	Di-n-butyl phthalate	4.2	U	4.2	0.36
117-84-0	Di-n-octyl phthalate	4.2	U	4.2	0.40
101-55-3	4-Bromophenyl phenyl ether	4.2	U	4.2	0.46
106-47-8	4-Chloroaniline	4.2	U	4.2	0.30
91-58-7	2-Chloronaphthalene	4.2	U	4.2	0.41
7005-72-3	4-Chlorophenyl phenyl ether	4.2	U	4.2	0.36
53-70-3	Dibenz(a,h)anthracene	4.2	U	4.2	0.40
132-64-9	Dibenzofuran	4.2	U	4.2	0.45
84-66-2	Diethyl phthalate	4.2	U	4.2	0.45
131-11-3	Dimethyl phthalate	4.2	U	4.2	0.40
95-50-1	1,2-Dichlorobenzene	0.80	J	4.2	0.32
541-73-1	1,3-Dichlorobenzene	4.2	U	4.2	0.26
106-46-7	1,4-Dichlorobenzene	1.1	J	4.2	0.32
91-94-1	3,3'-Dichlorobenzidine	4.2	U	4.2	0.38
121-14-2	2,4-Dinitrotoluene	4.2	U	4.2	0.42
606-20-2	2,6-Dinitrotoluene	4.2	U	4.2	0.27
206-44-0	Fluoranthene	4.2	U	4.2	0.32
86-73-7	Fluorene	4.2	U	4.2	0.27
118-74-1	Hexachlorobenzene	4.2	U	4.2	0.34
87-68-3	Hexachlorobutadiene	4.2	U	4.2	0.21

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-2 | Lab Sample ID: 220-15975-7

Matrix: Water | Lab File ID: C24349.D

Analysis Method: 8270C | Date Collected: 07/11/2011 14:00

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 960(mL) | Date Analyzed: 07/19/2011 20:50

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 53063 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
77-47-4	Hexachlorocyclopentadiene	4.2	U	4.2	0.36
67-72-1	Hexachloroethane	4.2	U	4.2	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	4.2	U	4.2	0.29
78-59-1	Isophorone	4.2	U	4.2	0.32
91-57-6	2-Methylnaphthalene	4.2	U	4.2	0.28
91-20-3	Naphthalene	4.2	U	4.2	0.31
88-74-4	2-Nitroaniline	4.2	U	4.2	0.35
99-09-2	3-Nitroaniline	4.2	U	4.2	0.24
98-95-3	Nitrobenzene	4.2	U	4.2	0.29
621-64-7	N-Nitrosodi-n-propylamine	4.2	U	4.2	0.34
86-30-6	N-Nitrosodiphenylamine	4.2	U	4.2	0.34
85-01-8	Phenanthrene	4.2	U	4.2	0.29
129-00-0	Pyrene	4.2	U	4.2	0.34
120-82-1	1,2,4-Trichlorobenzene	4.2	U	4.2	0.38
59-50-7	4-Chloro-3-methylphenol	5.2	U	5.2	0.35
95-57-8	2-Chlorophenol	4.2	U	4.2	0.24
95-48-7	2-Methylphenol	4.2	U	4.2	0.25
106-44-5	4-Methylphenol	4.2	U	4.2	0.30
120-83-2	2,4-Dichlorophenol	4.2	U	4.2	0.34
105-67-9	2,4-Dimethylphenol	4.2	U	4.2	0.34
51-28-5	2,4-Dinitrophenol	26	U	26	0.45
534-52-1	4,6-Dinitro-2-methylphenol	26	U	26	1.9
88-75-5	2-Nitrophenol	4.2	U	4.2	0.28
100-02-7	4-Nitrophenol	10	U	10	1.5
87-86-5	Pentachlorophenol	26	U	26	0.32
108-95-2	Phenol	4.2	U	4.2	0.20
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.29
88-06-2	2,4,6-Trichlorophenol	4.2	U	4.2	0.39
100-51-6	Benzyl alcohol	4.2	U	4.2	0.43
100-01-6	4-Nitroaniline	4.2	U	4.2	0.21
108-60-1	2,2'-oxybis[1-chloropropane]	4.2	U	4.2	0.26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-2 Lab Sample ID: 220-15975-7

Matrix: Water Lab File ID: C24349.D

Analysis Method: 8270C Date Collected: 07/11/2011 14:00

Extract. Method: 3510C Date Extracted: 07/14/2011 13:55

Sample wt/vol: 960(mL) Date Analyzed: 07/19/2011 20:50

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

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

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

Analysis Batch No.: 53063 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	71		39-120
367-12-4	2-Fluorophenol	41		13-120
118-79-6	2,4,6-Tribromophenol	88		36-120
4165-60-0	Nitrobenzene-d5	75		40-120
4165-62-2	Phenol-d5	29		10-120
1718-51-0	Terphenyl-d14	115		10-120

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124329.b\C24349.D
Lab Smp Id: 220-15975-E-7-A Client Smp ID: MW-2
Inj Date : 19-JUL-2011 20:50
Operator : S.Jonas Inst ID: msc.i
Smp Info : 220-15975-E-7-A
Misc Info : 220-15975-E-7-A
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124329.b\MSC-8270C.m
Meth Date : 19-Jul-2011 11:25 stephan Quant Type: ISTD
Cal Date : 14-JUL-2011 12:05 Cal File: C24250.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	960.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)
*	1 1,4-Dichlorobenzene-d4	152	4.878	4.878	(1.000)	984796	20.0000	
$	2 2-Fluorophenol	112	3.436	3.442	(0.704)	1702580	30.3929	32
$	3 Phenol-d5	99	4.546	4.557	(0.932)	1617457	21.6356	23
	6 Cyclohexanone	42	3.667	3.655	(0.752)	4543	2.55376	3
	12 1,4-Dichlorobenzene	146	4.896	4.896	(1.004)	87729	1.07737	1
	14 1,2-Dichlorobenzene	146	5.056	5.056	(1.036)	58285	0.76415	0.8
*	20 Naphthalene-d8	136	6.237	6.243	(1.000)	3992791	20.0000	
$	21 Nitrobenzene-d5	82	5.477	5.483	(0.878)	2602217	37.5685	39
*	35 Acenaphthene-d10	164	8.107	8.113	(1.000)	2531353	20.0000	
$	40 2-Fluorobiphenyl	172	7.406	7.412	(0.914)	5453736	35.3192	37
$	56 2,4,6-Tribromophenol	330	8.950	8.955	(1.104)	1442880	65.7844	69
*	57 Phenanthrene-d10	188	9.680	9.686	(1.000)	4351511	20.0000	
*	70 Chrysene-d12	240	12.582	12.588	(1.000)	2501081	20.0000	
$	73 Terphenyl-d14	244	11.389	11.383	(0.905)	6300198	57.2563	60
	78 Bis(2-Ethylhexyl)phthalate	149	12.624	12.624	(1.003)	35766	2.68340	3(M)
*	79 Perylene-d12	264	14.796	14.796	(1.000)	1026538	20.0000	

QC Flag Legend

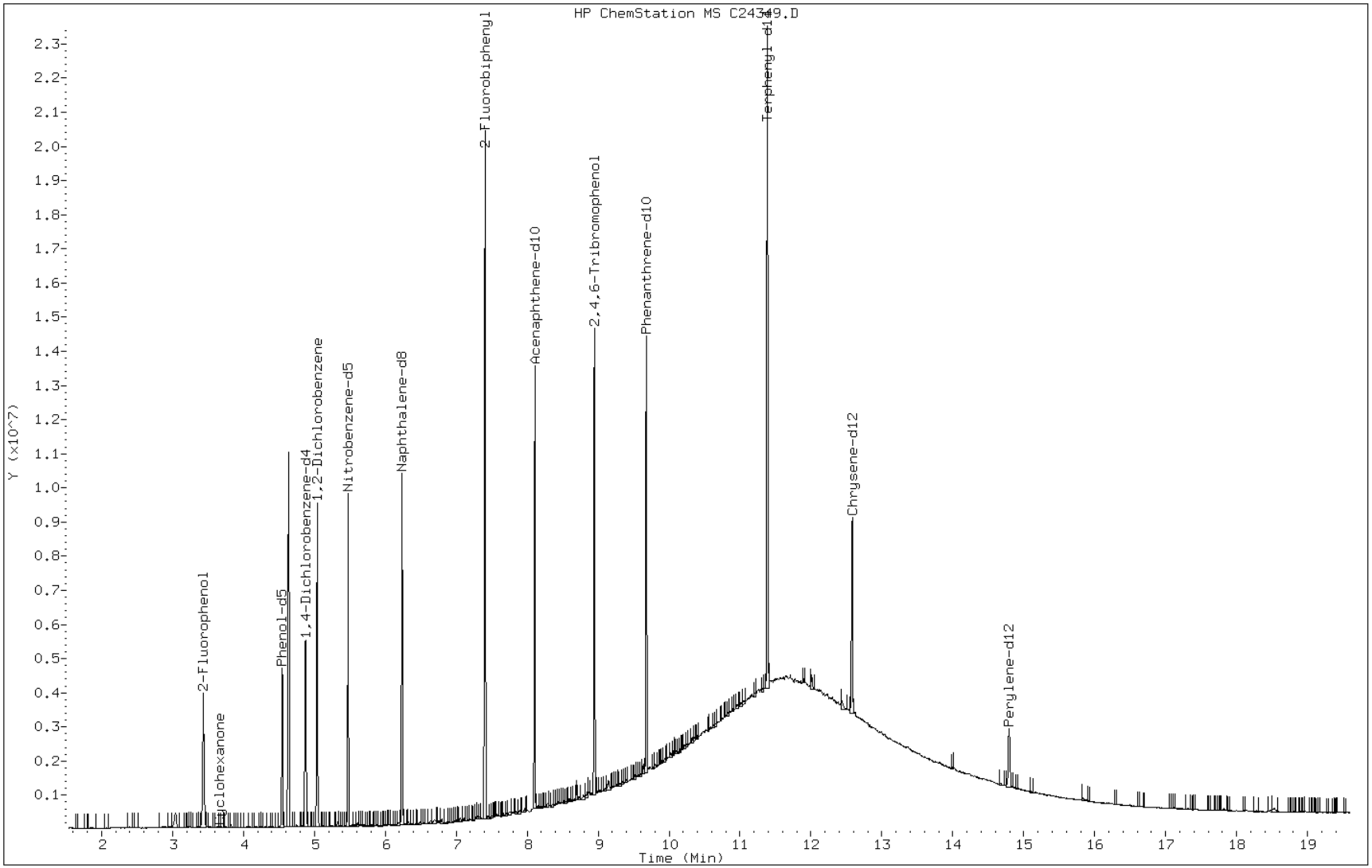
M - Compound response manually integrated.

Data File: C24349.D

Date: 19-JUL-2011 20:50

Client ID: MW-2 Instrument: msc.i

Sample Info: 220-15975-E-7-A Operator: S.Jonas



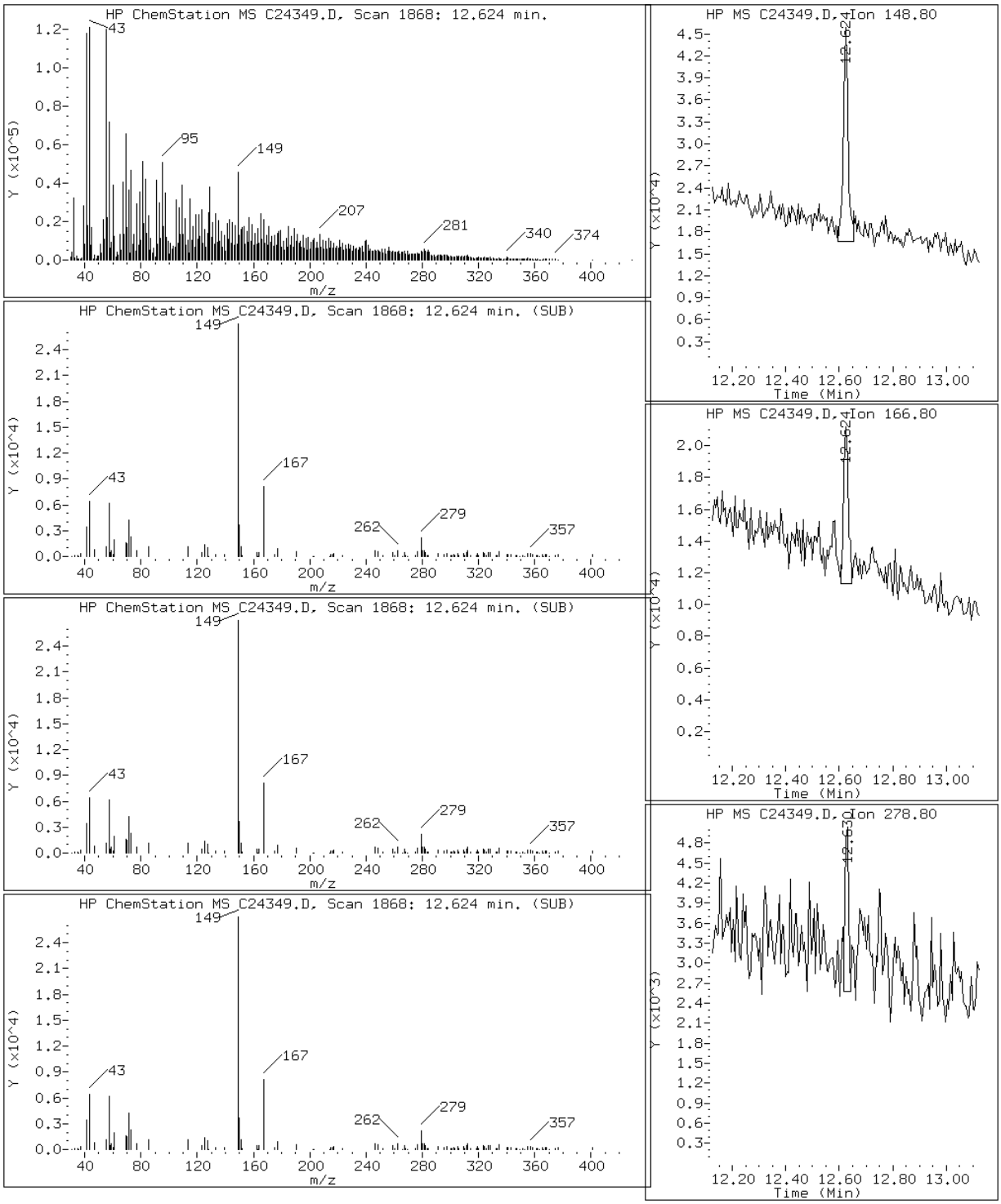
Data File: C24349.D

Date: 19-JUL-2011 20:50

Client ID: MW-2 Instrument: msc.i

Sample Info: 220-15975-E-7-A Operator: S.Jonas

78 Bis(2-Ethylhexyl)phthalate



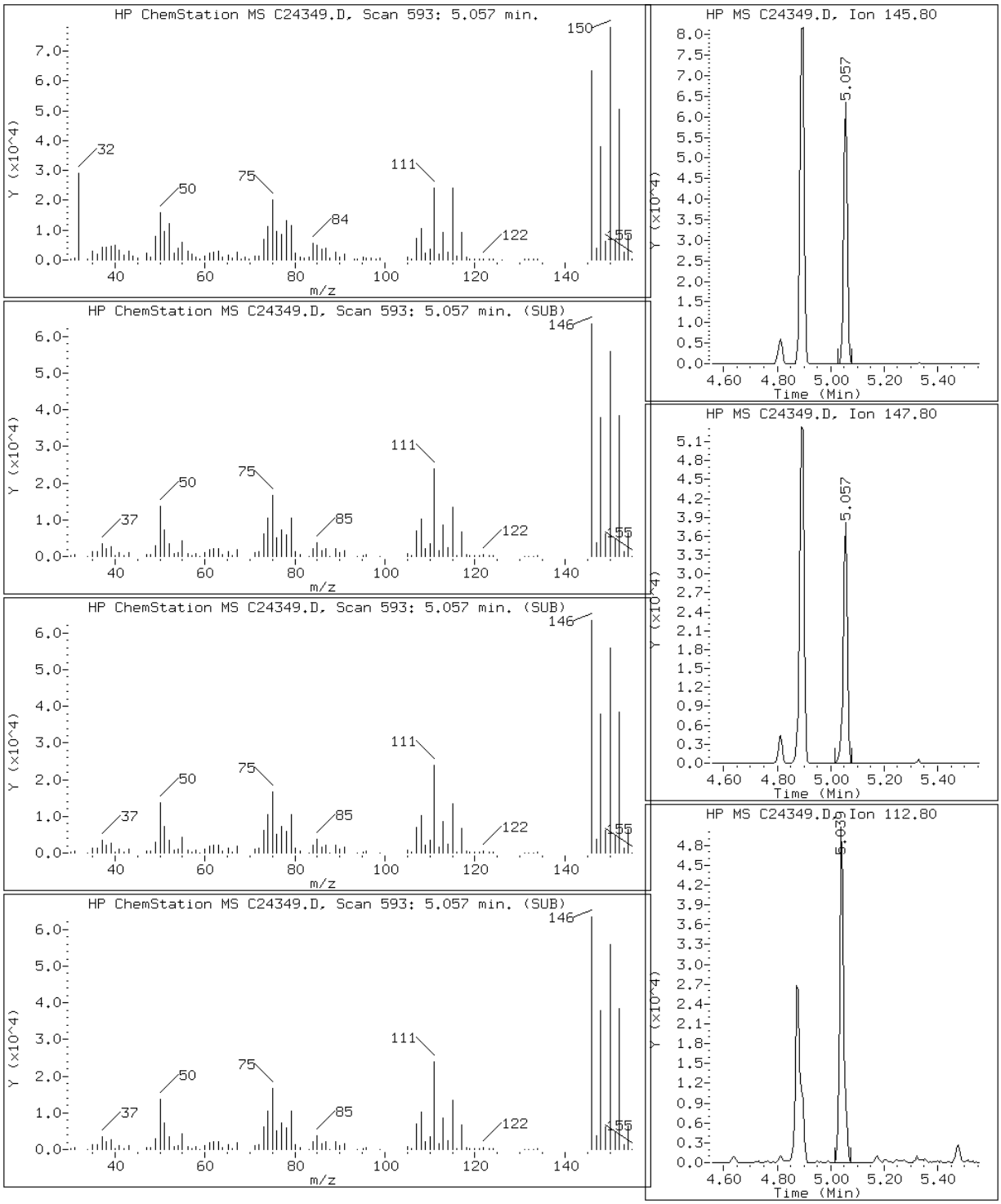
Data File: C24349.D

Date: 19-JUL-2011 20:50

Client ID: MW-2 Instrument: msc.i

Sample Info: 220-15975-E-7-A Operator: S.Jonas

14 1,2-Dichlorobenzene



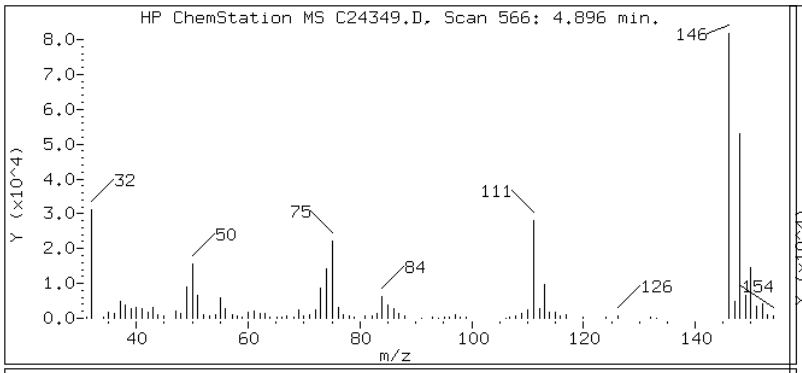
Data File: C24349.D

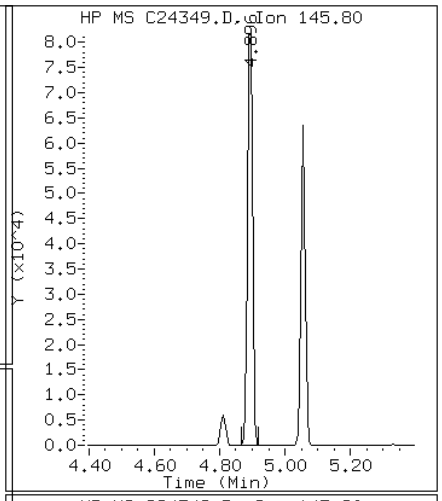
Date: 19-JUL-2011 20:50

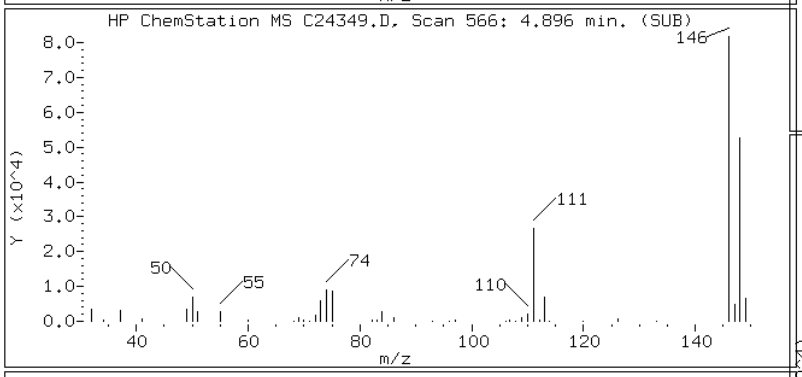
Client ID: MW-2 Instrument: msc.i

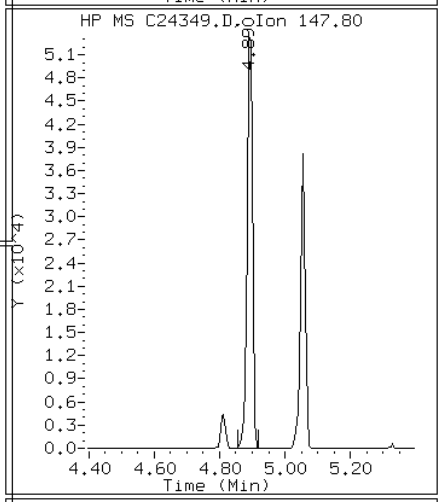
Sample Info: 220-15975-E-7-A Operator: S.Jonas

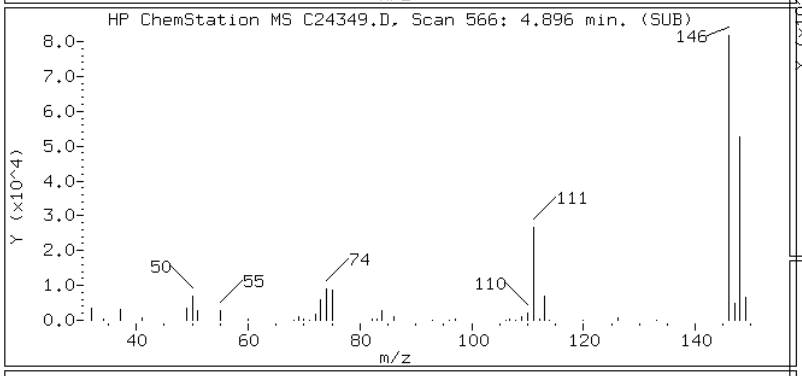
12 1,4-Dichlorobenzene

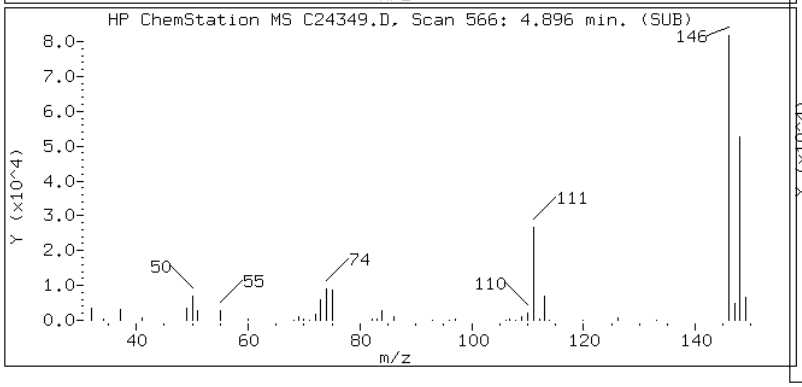


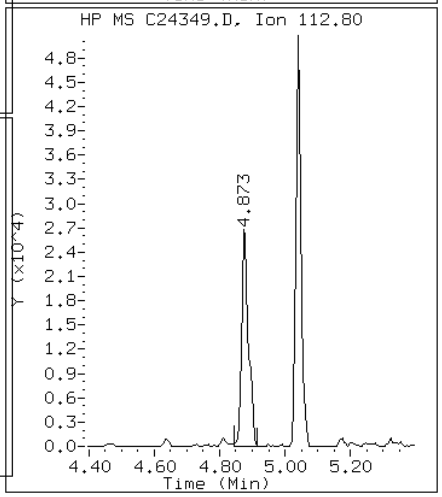












Manual Integration Report

Data File: C24349.D
Inj. Date and Time: 19-JUL-2011 20:50
Instrument ID: msc.i
Client ID: MW-2
Compound: 78 Bis(2-Ethylhexyl)phthalate
CAS #: 117-81-7
Report Date: 07/20/2011

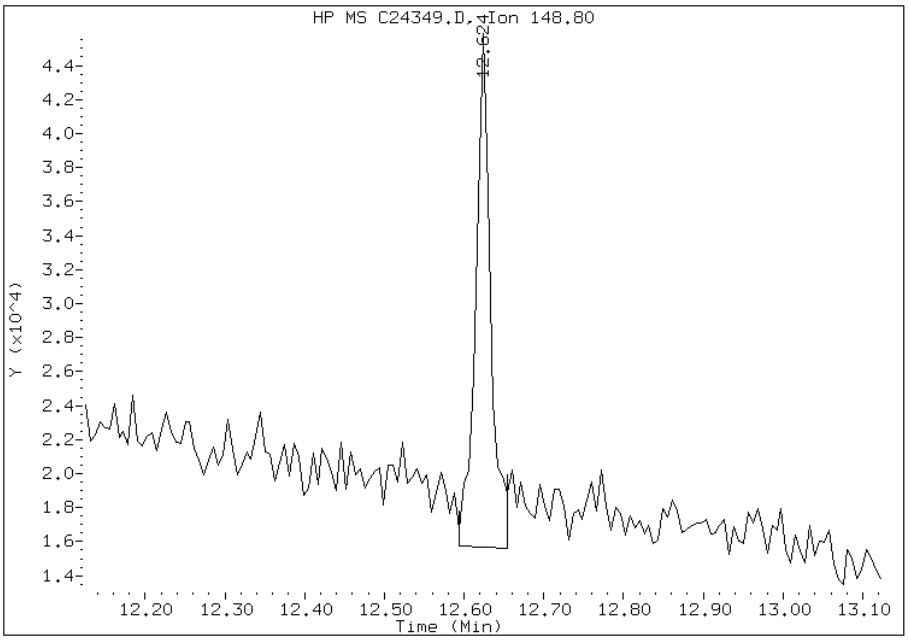
Processing Integration Results

RT: 12.62

Response: 39854

Amount: 3

Conc: 3



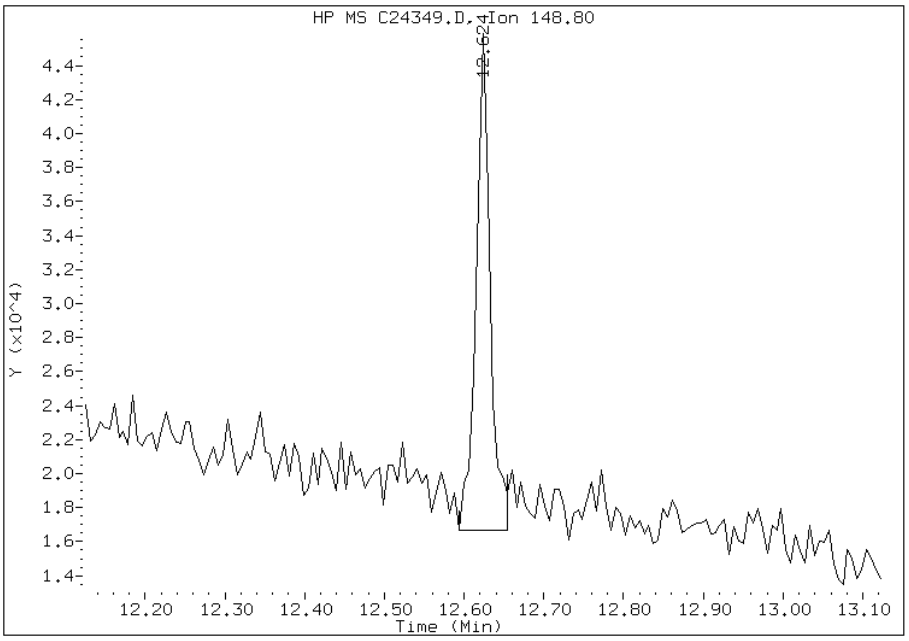
Manual Integration Results

RT: 12.62

Response: 35766

Amount: 3

Conc: 3



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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-10 | Lab Sample ID: 220-15975-8

Matrix: Water | Lab File ID: Z21700.D

Analysis Method: 8270C | Date Collected: 07/11/2011 15:00

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 950(mL) | Date Analyzed: 07/18/2011 15:14

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	4.2	U	4.2	0.33
208-96-8	Acenaphthylene	4.2	U	4.2	0.36
120-12-7	Anthracene	4.2	U	4.2	0.31
56-55-3	Benzo[a]anthracene	4.2	U	4.2	0.32
50-32-8	Benzo[a]pyrene	4.2	U	4.2	0.37
205-99-2	Benzo[b]fluoranthene	4.2	U	4.2	0.38
191-24-2	Benzo[g,h,i]perylene	4.2	U	4.2	0.38
207-08-9	Benzo[k]fluoranthene	4.2	U	4.2	0.42
111-91-1	Bis(2-chloroethoxy)methane	4.2	U	4.2	0.33
111-44-4	Bis(2-chloroethyl)ether	4.2	U	4.2	0.31
117-81-7	Bis(2-ethylhexyl) phthalate	4.2	U	4.2	0.57
85-68-7	Butyl benzyl phthalate	4.2	U	4.2	0.37
86-74-8	Carbazole	4.2	U	4.2	0.35
218-01-9	Chrysene	4.2	U	4.2	0.26
84-74-2	Di-n-butyl phthalate	4.2	U	4.2	0.37
117-84-0	Di-n-octyl phthalate	4.2	U	4.2	0.40
101-55-3	4-Bromophenyl phenyl ether	4.2	U	4.2	0.46
106-47-8	4-Chloroaniline	4.2	U	4.2	0.31
91-58-7	2-Chloronaphthalene	4.2	U	4.2	0.41
7005-72-3	4-Chlorophenyl phenyl ether	4.2	U	4.2	0.37
53-70-3	Dibenz(a,h)anthracene	4.2	U	4.2	0.40
132-64-9	Dibenzofuran	4.2	U	4.2	0.45
84-66-2	Diethyl phthalate	4.2	U	4.2	0.45
131-11-3	Dimethyl phthalate	4.2	U	4.2	0.40
95-50-1	1,2-Dichlorobenzene	4.2	U	4.2	0.33
541-73-1	1,3-Dichlorobenzene	4.2	U	4.2	0.26
106-46-7	1,4-Dichlorobenzene	4.2	U	4.2	0.33
91-94-1	3,3'-Dichlorobenzidine	4.2	U	4.2	0.38
121-14-2	2,4-Dinitrotoluene	4.2	U	4.2	0.42
606-20-2	2,6-Dinitrotoluene	4.2	U	4.2	0.27
206-44-0	Fluoranthene	4.2	U	4.2	0.33
86-73-7	Fluorene	4.2	U	4.2	0.27
118-74-1	Hexachlorobenzene	4.2	U	4.2	0.35
87-68-3	Hexachlorobutadiene	4.2	U	4.2	0.21

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-10 | Lab Sample ID: 220-15975-8

Matrix: Water | Lab File ID: Z21700.D

Analysis Method: 8270C | Date Collected: 07/11/2011 15:00

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 950(mL) | Date Analyzed: 07/18/2011 15:14

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
77-47-4	Hexachlorocyclopentadiene	4.2	U	4.2	0.37
67-72-1	Hexachloroethane	4.2	U	4.2	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	4.2	U	4.2	0.29
78-59-1	Isophorone	4.2	U	4.2	0.33
91-57-6	2-Methylnaphthalene	4.2	U	4.2	0.28
91-20-3	Naphthalene	4.2	U	4.2	0.32
88-74-4	2-Nitroaniline	4.2	U	4.2	0.36
99-09-2	3-Nitroaniline	4.2	U	4.2	0.24
98-95-3	Nitrobenzene	4.2	U	4.2	0.29
621-64-7	N-Nitrosodi-n-propylamine	4.2	U	4.2	0.35
86-30-6	N-Nitrosodiphenylamine	4.2	U	4.2	0.35
85-01-8	Phenanthrene	4.2	U	4.2	0.29
129-00-0	Pyrene	4.2	U	4.2	0.35
120-82-1	1,2,4-Trichlorobenzene	4.2	U	4.2	0.38
59-50-7	4-Chloro-3-methylphenol	5.3	U	5.3	0.36
95-57-8	2-Chlorophenol	4.2	U	4.2	0.24
95-48-7	2-Methylphenol	4.2	U	4.2	0.25
106-44-5	4-Methylphenol	4.2	U	4.2	0.31
120-83-2	2,4-Dichlorophenol	4.2	U	4.2	0.35
105-67-9	2,4-Dimethylphenol	4.2	U	4.2	0.35
51-28-5	2,4-Dinitrophenol	26	U	26	0.45
534-52-1	4,6-Dinitro-2-methylphenol	26	U	26	2.0
88-75-5	2-Nitrophenol	4.2	U	4.2	0.28
100-02-7	4-Nitrophenol	11	U	11	1.5
87-86-5	Pentachlorophenol	26	U	26	0.33
108-95-2	Phenol	4.2	U	4.2	0.20
95-95-4	2,4,5-Trichlorophenol	11	U	11	0.29
88-06-2	2,4,6-Trichlorophenol	4.2	U	4.2	0.39
100-51-6	Benzyl alcohol	4.2	U	4.2	0.43
100-01-6	4-Nitroaniline	4.2	U	4.2	0.21
108-60-1	2,2'-oxybis[1-chloropropane]	4.2	U	4.2	0.26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-10 | Lab Sample ID: 220-15975-8

Matrix: Water | Lab File ID: Z21700.D

Analysis Method: 8270C | Date Collected: 07/11/2011 15:00

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 950(mL) | Date Analyzed: 07/18/2011 15:14

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	70		39-120
367-12-4	2-Fluorophenol	38		13-120
118-79-6	2,4,6-Tribromophenol	88		36-120
4165-60-0	Nitrobenzene-d5	70		40-120
4165-62-2	Phenol-d5	26		10-120
1718-51-0	Terphenyl-d14	88		10-120

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\Z21700.D
Lab Smp Id: 220-15975-E-8-A Client Smp ID: MW-10
Inj Date : 18-JUL-2011 15:14
Operator : S.Jonas Inst ID: msz.i
Smp Info : 220-15975-E-8-A
Misc Info : 220-15975-E-8-A
Comment :
Method : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\MSZ-8270C.m
Meth Date : 18-Jul-2011 08:04 stephan Quant Type: ISTD
Cal Date : 23-JUN-2011 08:38 Cal File: Z21499.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	950.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

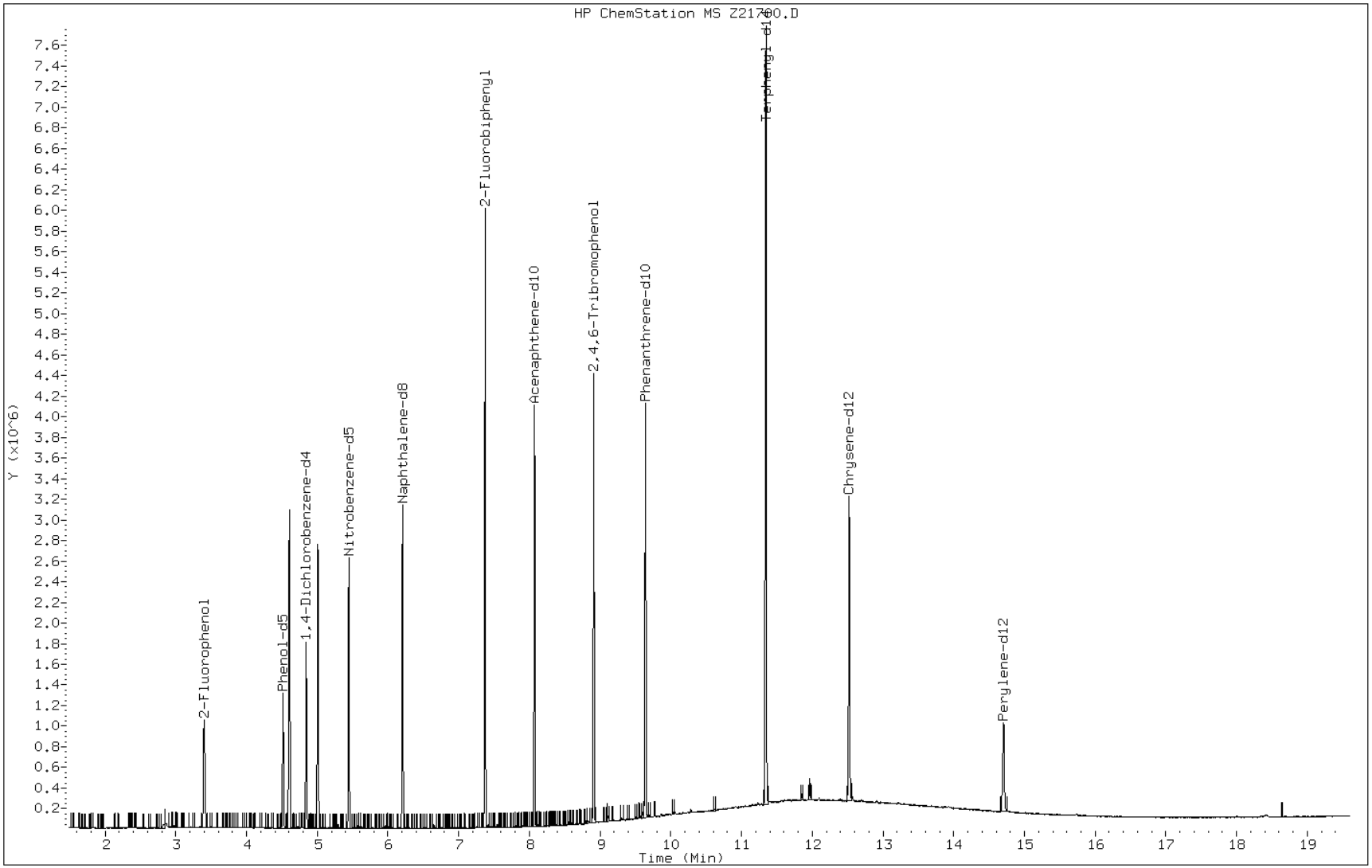
		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/L)
*	1 1,4-Dichlorobenzene-d4	152	4.843	4.846	(1.000)	286017	20.0000	
$	2 2-Fluorophenol	112	3.401	3.401	(0.702)	456435	28.1426	30
$	3 Phenol-d5	99	4.517	4.526	(0.933)	451946	19.2470	20
*	20 Naphthalene-d8	136	6.208	6.211	(1.000)	1299291	20.0000	
$	21 Nitrobenzene-d5	82	5.446	5.452	(0.877)	805163	34.8869	37
*	35 Acenaphthene-d10	164	8.073	8.072	(1.000)	808170	20.0000	
$	40 2-Fluorobiphenyl	172	7.373	7.376	(0.913)	1693807	35.0788	37
$	56 2,4,6-Tribromophenol	330	8.912	8.915	(1.104)	489542	66.2214	70
*	57 Phenanthrene-d10	188	9.639	9.645	(1.000)	1390085	20.0000	
*	70 Chrysene-d12	240	12.523	12.529	(1.000)	1200972	20.0000	
$	73 Terphenyl-d14	244	11.345	11.339	(0.906)	2454281	44.2181	46
*	79 Perylene-d12	264	14.705	14.708	(1.000)	514435	20.0000	

Data File: Z21700.D

Date: 18-JUL-2011 15:14

Client ID: MW-10 Instrument: msz.i

Sample Info: 220-15975-E-8-A Operator: S.Jonas



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-1 | Lab Sample ID: 220-15975-9

Matrix: Water | Lab File ID: C24350.D

Analysis Method: 8270C | Date Collected: 07/11/2011 15:40

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 960(mL) | Date Analyzed: 07/19/2011 21:21

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 53063 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	4.2	U	4.2	0.32
208-96-8	Acenaphthylene	4.2	U	4.2	0.35
120-12-7	Anthracene	4.2	U	4.2	0.30
56-55-3	Benzo[a]anthracene	4.2	U	4.2	0.31
50-32-8	Benzo[a]pyrene	4.2	U	4.2	0.36
205-99-2	Benzo[b]fluoranthene	4.2	U	4.2	0.38
191-24-2	Benzo[g,h,i]perylene	4.2	U	4.2	0.38
207-08-9	Benzo[k]fluoranthene	4.2	U	4.2	0.42
111-91-1	Bis(2-chloroethoxy)methane	4.2	U	4.2	0.32
111-44-4	Bis(2-chloroethyl)ether	4.2	U	4.2	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	2.7	J B	4.2	0.56
85-68-7	Butyl benzyl phthalate	4.2	U	4.2	0.36
86-74-8	Carbazole	4.2	U	4.2	0.34
218-01-9	Chrysene	4.2	U	4.2	0.26
84-74-2	Di-n-butyl phthalate	4.2	U	4.2	0.36
117-84-0	Di-n-octyl phthalate	4.2	U	4.2	0.40
101-55-3	4-Bromophenyl phenyl ether	4.2	U	4.2	0.46
106-47-8	4-Chloroaniline	4.2	U	4.2	0.30
91-58-7	2-Chloronaphthalene	4.2	U	4.2	0.41
7005-72-3	4-Chlorophenyl phenyl ether	4.2	U	4.2	0.36
53-70-3	Dibenz(a,h)anthracene	4.2	U	4.2	0.40
132-64-9	Dibenzofuran	4.2	U	4.2	0.45
84-66-2	Diethyl phthalate	4.2	U	4.2	0.45
131-11-3	Dimethyl phthalate	4.2	U	4.2	0.40
95-50-1	1,2-Dichlorobenzene	2.5	J	4.2	0.32
541-73-1	1,3-Dichlorobenzene	0.48	J	4.2	0.26
106-46-7	1,4-Dichlorobenzene	4.2		4.2	0.32
91-94-1	3,3'-Dichlorobenzidine	4.2	U	4.2	0.38
121-14-2	2,4-Dinitrotoluene	4.2	U	4.2	0.42
606-20-2	2,6-Dinitrotoluene	4.2	U	4.2	0.27
206-44-0	Fluoranthene	4.2	U	4.2	0.32
86-73-7	Fluorene	4.2	U	4.2	0.27
118-74-1	Hexachlorobenzene	4.2	U	4.2	0.34
87-68-3	Hexachlorobutadiene	4.2	U	4.2	0.21

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-1 | Lab Sample ID: 220-15975-9

Matrix: Water | Lab File ID: C24350.D

Analysis Method: 8270C | Date Collected: 07/11/2011 15:40

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 960(mL) | Date Analyzed: 07/19/2011 21:21

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 53063 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
77-47-4	Hexachlorocyclopentadiene	4.2	U	4.2	0.36
67-72-1	Hexachloroethane	4.2	U	4.2	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	4.2	U	4.2	0.29
78-59-1	Isophorone	4.2	U	4.2	0.32
91-57-6	2-Methylnaphthalene	4.2	U	4.2	0.28
91-20-3	Naphthalene	4.2	U	4.2	0.31
88-74-4	2-Nitroaniline	4.2	U	4.2	0.35
99-09-2	3-Nitroaniline	4.2	U	4.2	0.24
98-95-3	Nitrobenzene	4.2	U	4.2	0.29
621-64-7	N-Nitrosodi-n-propylamine	4.2	U	4.2	0.34
86-30-6	N-Nitrosodiphenylamine	4.2	U	4.2	0.34
85-01-8	Phenanthrene	4.2	U	4.2	0.29
129-00-0	Pyrene	4.2	U	4.2	0.34
120-82-1	1,2,4-Trichlorobenzene	4.2	U	4.2	0.38
59-50-7	4-Chloro-3-methylphenol	5.2	U	5.2	0.35
95-57-8	2-Chlorophenol	4.2	U	4.2	0.24
95-48-7	2-Methylphenol	4.2	U	4.2	0.25
106-44-5	4-Methylphenol	4.2	U	4.2	0.30
120-83-2	2,4-Dichlorophenol	4.2	U	4.2	0.34
105-67-9	2,4-Dimethylphenol	4.2	U	4.2	0.34
51-28-5	2,4-Dinitrophenol	26	U	26	0.45
534-52-1	4,6-Dinitro-2-methylphenol	26	U	26	1.9
88-75-5	2-Nitrophenol	4.2	U	4.2	0.28
100-02-7	4-Nitrophenol	10	U	10	1.5
87-86-5	Pentachlorophenol	26	U	26	0.32
108-95-2	Phenol	4.2	U	4.2	0.20
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.29
88-06-2	2,4,6-Trichlorophenol	4.2	U	4.2	0.39
100-51-6	Benzyl alcohol	4.2	U	4.2	0.43
100-01-6	4-Nitroaniline	4.2	U	4.2	0.21
108-60-1	2,2'-oxybis[1-chloropropane]	4.2	U	4.2	0.26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-1 | Lab Sample ID: 220-15975-9

Matrix: Water | Lab File ID: C24350.D

Analysis Method: 8270C | Date Collected: 07/11/2011 15:40

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 960(mL) | Date Analyzed: 07/19/2011 21:21

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 53063 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	69		39-120
367-12-4	2-Fluorophenol	39		13-120
118-79-6	2,4,6-Tribromophenol	82		36-120
4165-60-0	Nitrobenzene-d5	73		40-120
4165-62-2	Phenol-d5	27		10-120
1718-51-0	Terphenyl-d14	102		10-120

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124329.b\C24350.D
Lab Smp Id: 220-15975-E-9-A Client Smp ID: MW-1
Inj Date : 19-JUL-2011 21:21
Operator : S.Jonas Inst ID: msc.i
Smp Info : 220-15975-E-9-A
Misc Info : 220-15975-E-9-A
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124329.b\MSC-8270C.m
Meth Date : 19-Jul-2011 11:25 stephan Quant Type: ISTD
Cal Date : 14-JUL-2011 12:05 Cal File: C24250.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	960.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)
*	1 1,4-Dichlorobenzene-d4	152	4.878	4.878	(1.000)	945545	20.0000	
$	2 2-Fluorophenol	112	3.442	3.442	(0.706)	1581709	29.4073	31
$	3 Phenol-d5	99	4.552	4.557	(0.933)	1447735	20.1693	21
	6 Cyclohexanone	42	3.673	3.655	(0.753)	3145	2.54371	3
	11 1,3-Dichlorobenzene	146	4.813	4.813	(0.987)	35367	0.46545	0.5
	12 1,4-Dichlorobenzene	146	4.890	4.896	(1.002)	312239	3.99367	4
	14 1,2-Dichlorobenzene	146	5.056	5.056	(1.036)	177604	2.42514	3
*	20 Naphthalene-d8	136	6.237	6.243	(1.000)	3777333	20.0000	
$	21 Nitrobenzene-d5	82	5.478	5.483	(0.878)	2405372	36.7075	38
*	35 Acenaphthene-d10	164	8.107	8.113	(1.000)	2398119	20.0000	
$	40 2-Fluorobiphenyl	172	7.407	7.412	(0.914)	5081285	34.7354	36
$	56 2,4,6-Tribromophenol	330	8.950	8.955	(1.104)	1281499	61.6727	64
*	57 Phenanthrene-d10	188	9.680	9.686	(1.000)	4155442	20.0000	
*	70 Chrysene-d12	240	12.582	12.588	(1.000)	2604392	20.0000	
$	73 Terphenyl-d14	244	11.383	11.383	(0.905)	5857781	51.1238	53
	78 Bis(2-Ethylhexyl)phthalate	149	12.624	12.624	(1.003)	27370	2.57281	3(M)
*	79 Perylene-d12	264	14.790	14.796	(1.000)	972591	20.0000	

QC Flag Legend

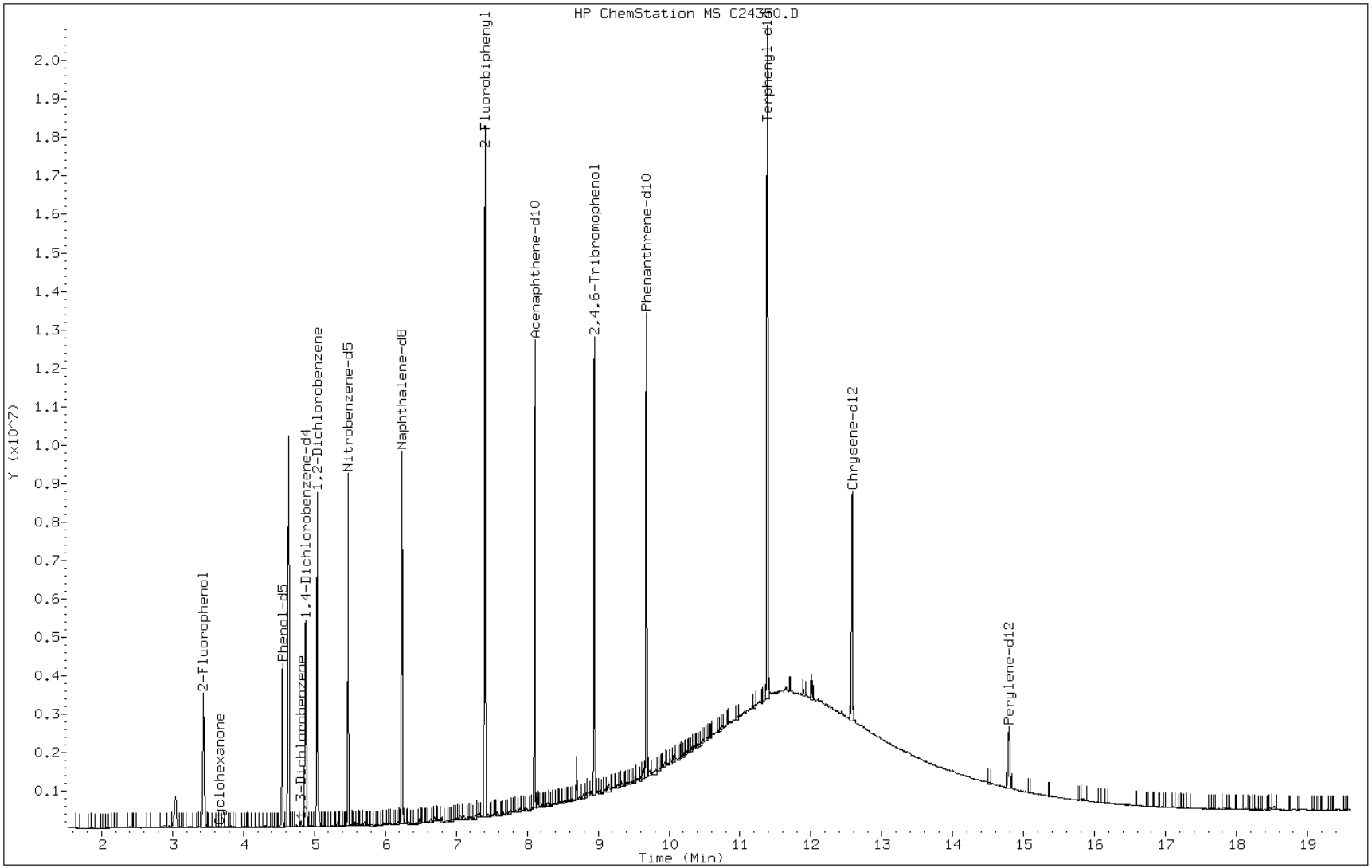
M - Compound response manually integrated.

Data File: C24350.D

Date: 19-JUL-2011 21:21

Client ID: MW-1 Instrument: msc.i

Sample Info: 220-15975-E-9-A Operator: S.Jonas



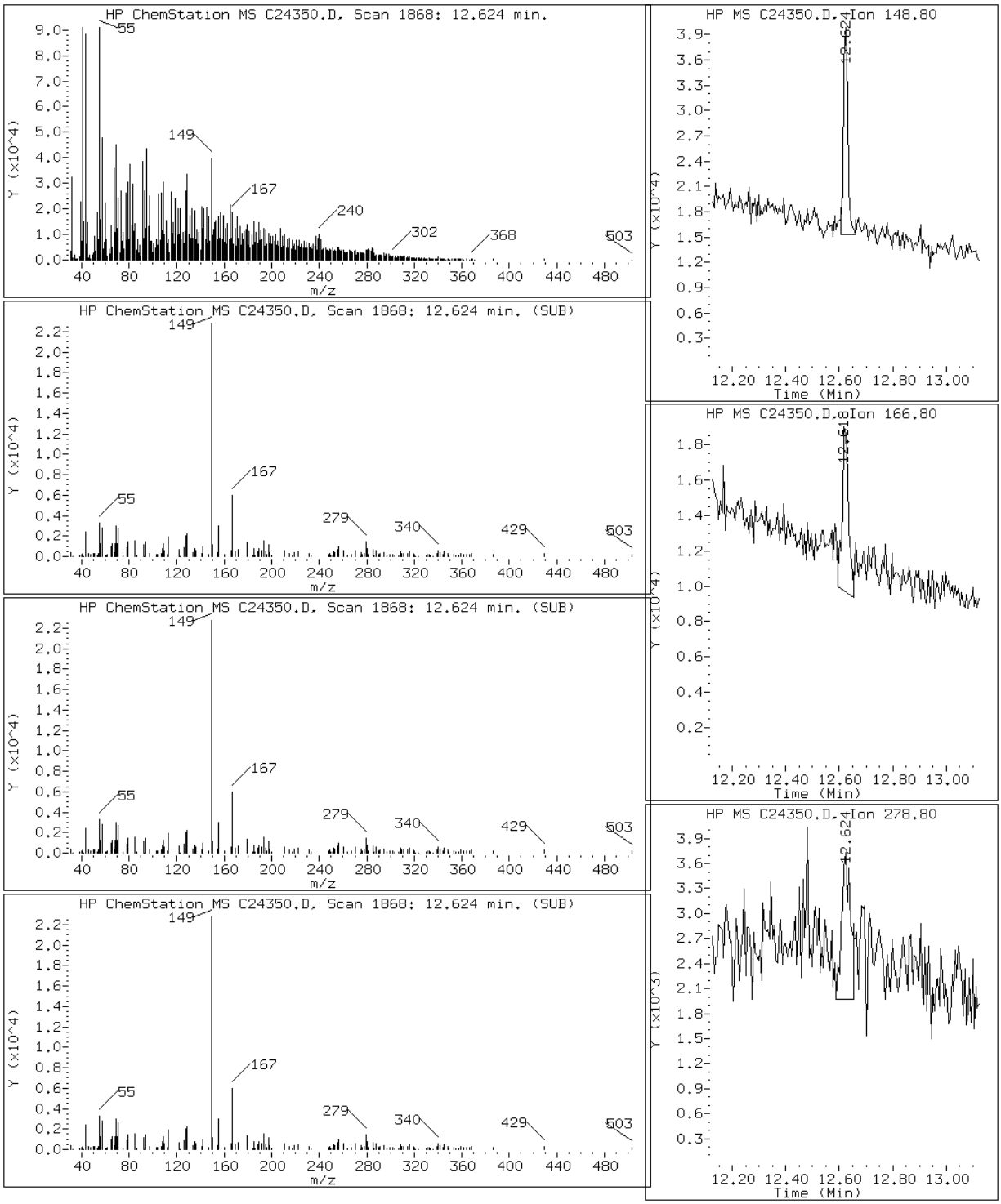
Data File: C24350.D

Date: 19-JUL-2011 21:21

Client ID: MW-1 Instrument: msc.i

Sample Info: 220-15975-E-9-A Operator: S.Jonas

78 Bis(2-Ethylhexyl)phthalate



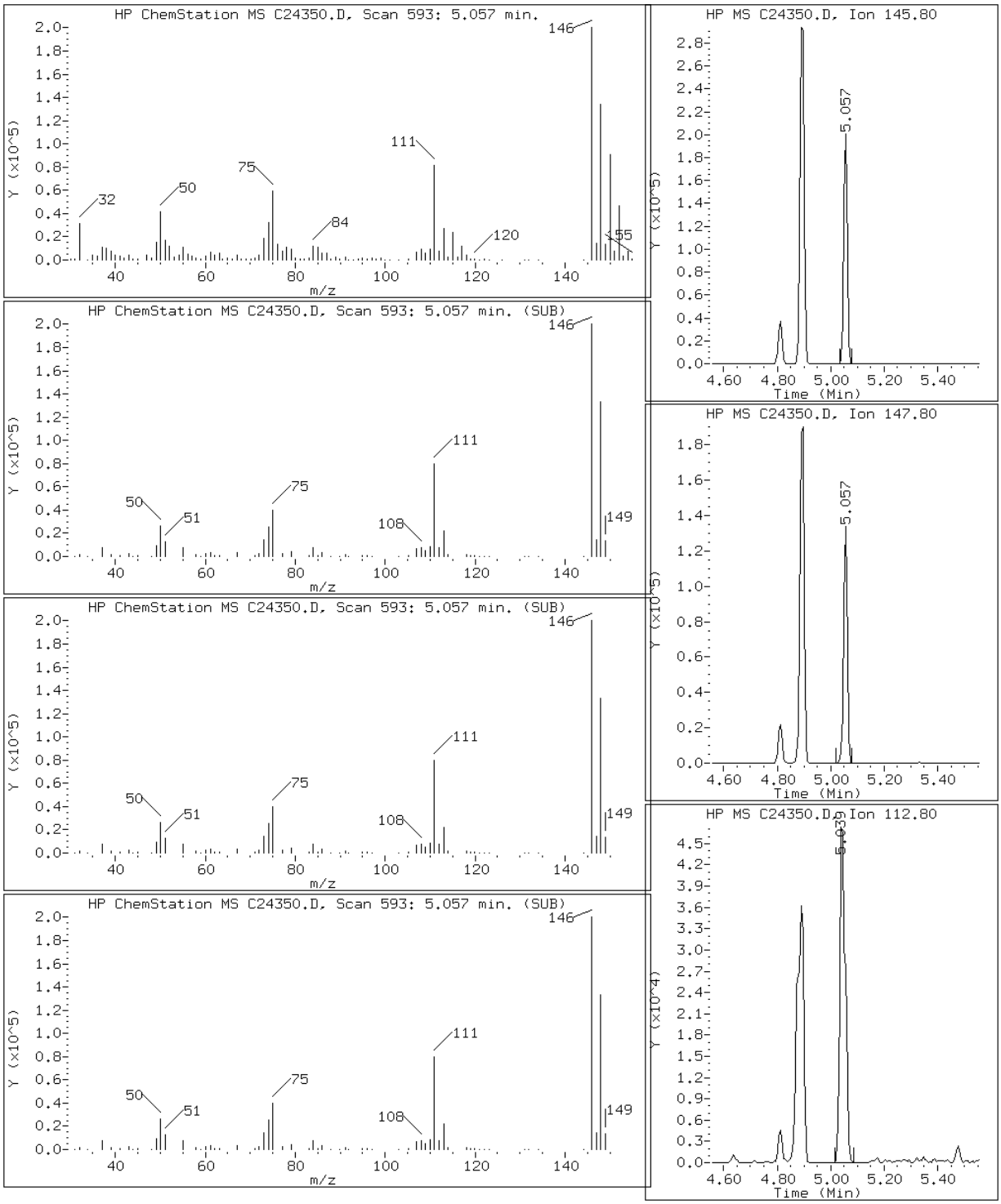
Data File: C24350.D

Date: 19-JUL-2011 21:21

Client ID: MW-1 Instrument: msc.i

Sample Info: 220-15975-E-9-A Operator: S.Jonas

14 1,2-Dichlorobenzene



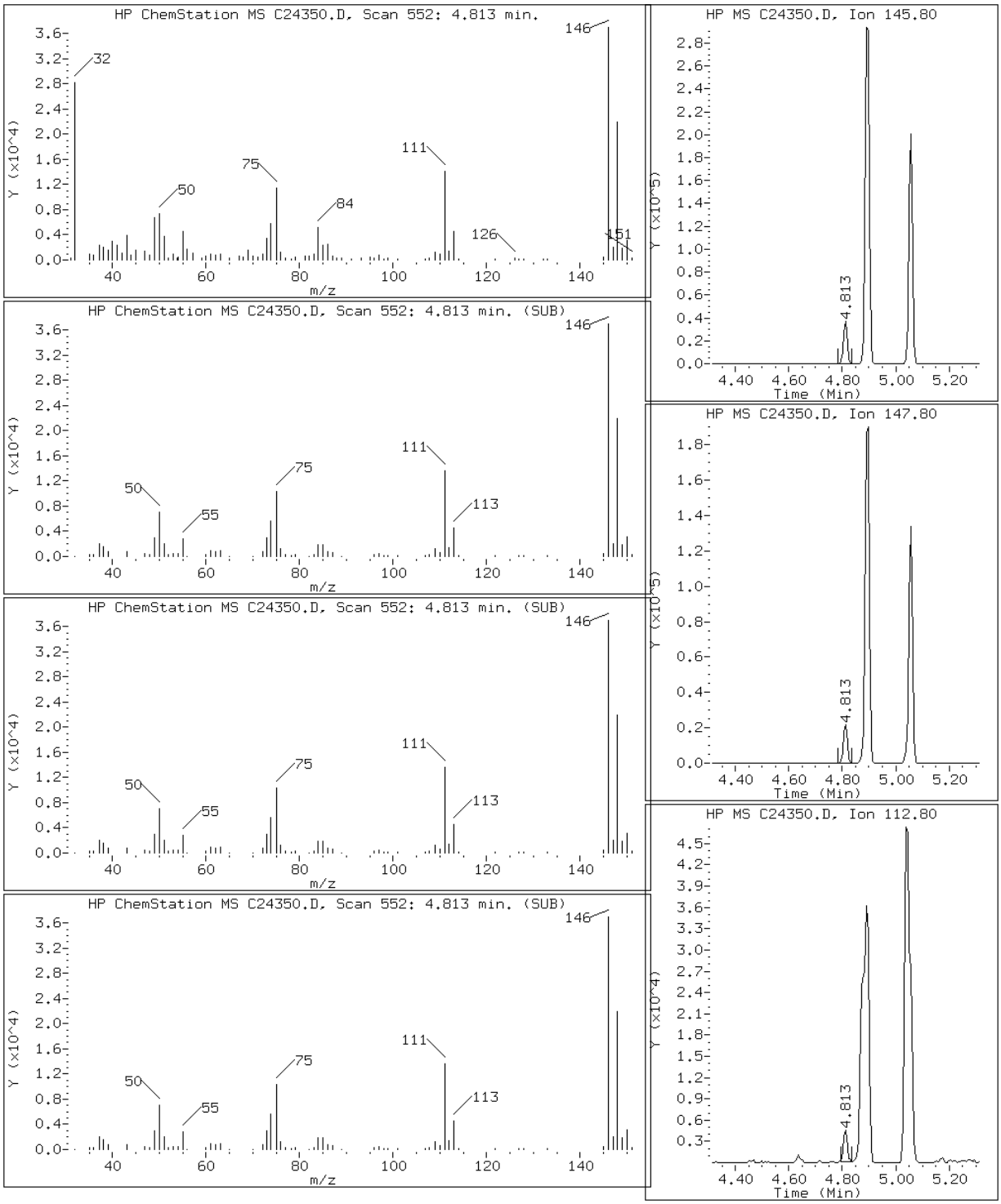
Data File: C24350.D

Date: 19-JUL-2011 21:21

Client ID: MW-1 Instrument: msc.i

Sample Info: 220-15975-E-9-A Operator: S.Jonas

11 1,3-Dichlorobenzene



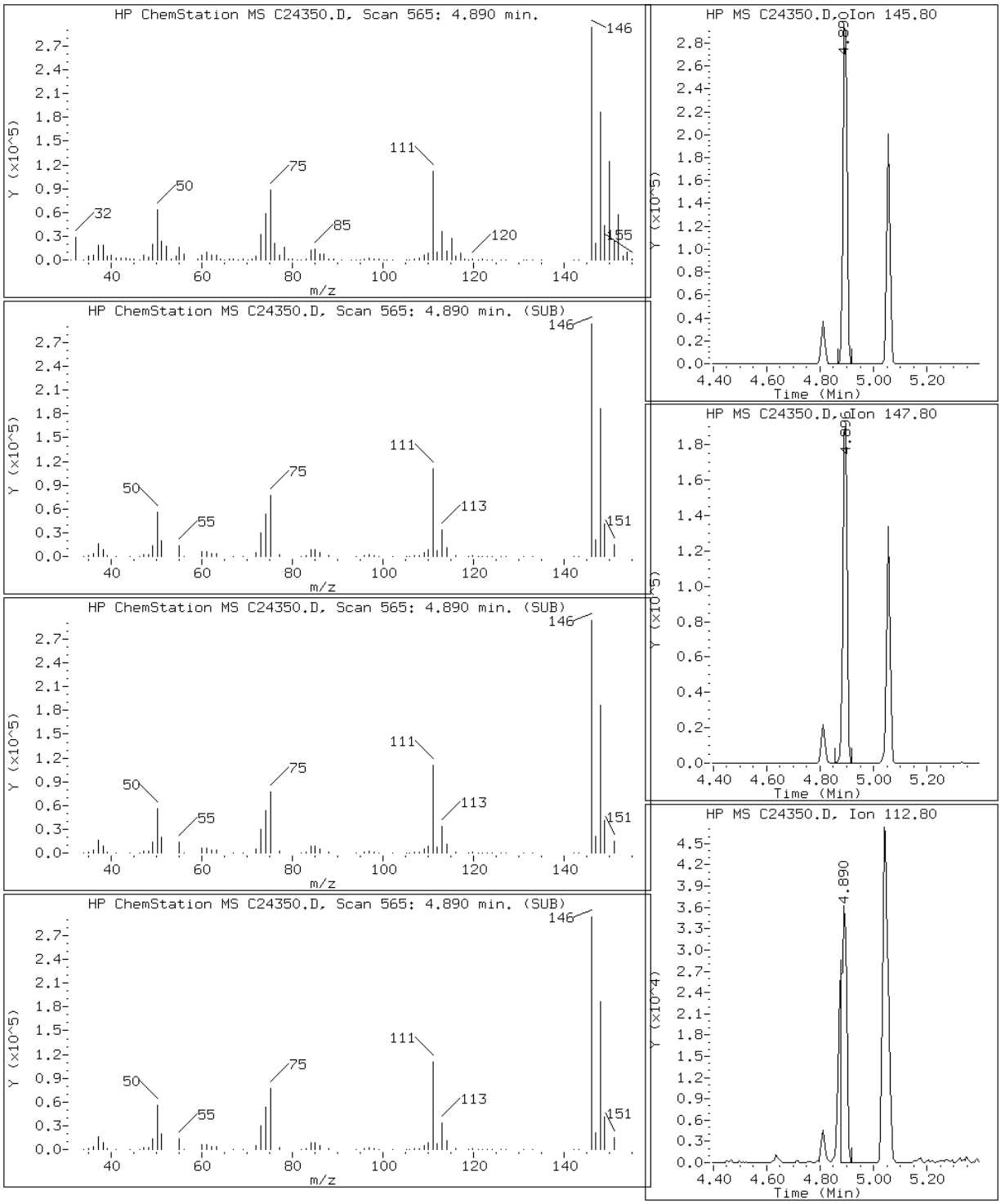
Data File: C24350.D

Date: 19-JUL-2011 21:21

Client ID: MW-1 Instrument: msc.i

Sample Info: 220-15975-E-9-A Operator: S.Jonas

12 1,4-Dichlorobenzene



Manual Integration Report

Data File: C24350.D
Inj. Date and Time: 19-JUL-2011 21:21
Instrument ID: msc.i
Client ID: MW-1
Compound: 78 Bis(2-Ethylhexyl)phthalate
CAS #: 117-81-7
Report Date: 07/20/2011

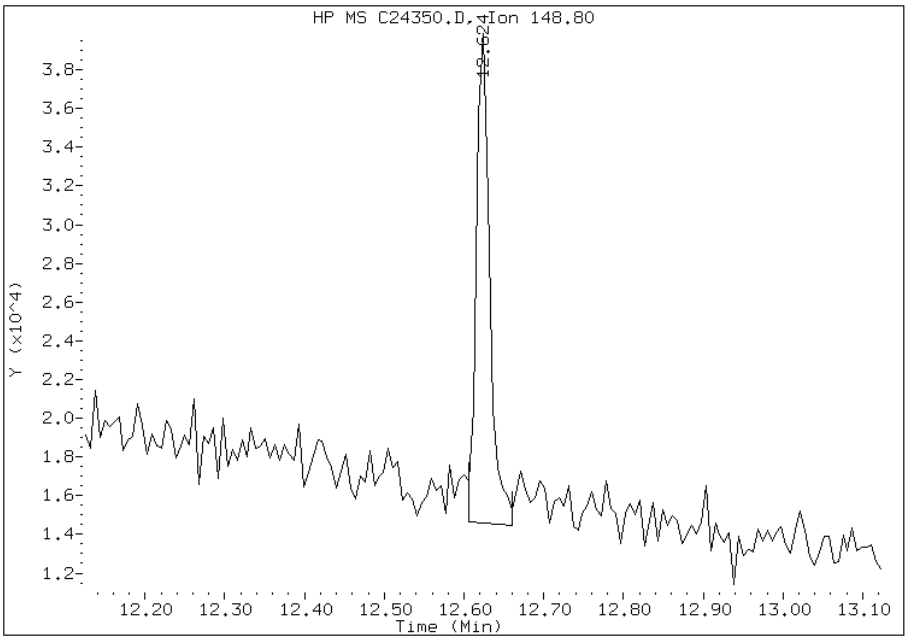
Processing Integration Results

RT: 12.62

Response: 29932

Amount: 3

Conc: 3



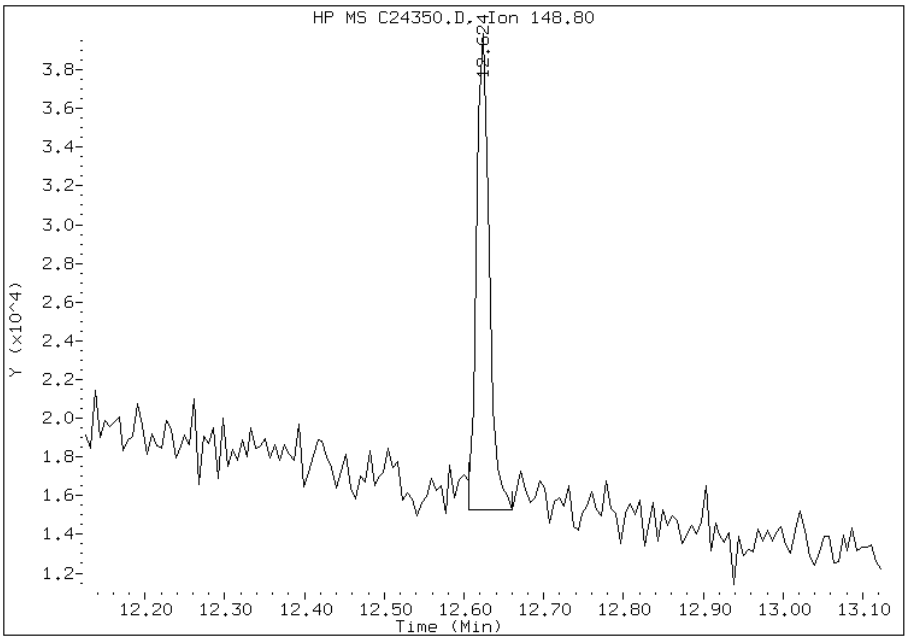
Manual Integration Results

RT: 12.62

Response: 27370

Amount: 3

Conc: 3



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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-6 | Lab Sample ID: 220-15975-10

Matrix: Water | Lab File ID: Z21704.D

Analysis Method: 8270C | Date Collected: 07/11/2011 16:00

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 960(mL) | Date Analyzed: 07/18/2011 17:07

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	4.2	U	4.2	0.32
208-96-8	Acenaphthylene	4.2	U	4.2	0.35
120-12-7	Anthracene	4.2	U	4.2	0.30
56-55-3	Benzo[a]anthracene	4.2	U	4.2	0.31
50-32-8	Benzo[a]pyrene	4.2	U	4.2	0.36
205-99-2	Benzo[b]fluoranthene	4.2	U	4.2	0.38
191-24-2	Benzo[g,h,i]perylene	4.2	U	4.2	0.38
207-08-9	Benzo[k]fluoranthene	4.2	U	4.2	0.42
111-91-1	Bis(2-chloroethoxy)methane	4.2	U	4.2	0.32
111-44-4	Bis(2-chloroethyl)ether	4.2	U	4.2	0.30
117-81-7	Bis(2-ethylhexyl) phthalate	4.2	U	4.2	0.56
85-68-7	Butyl benzyl phthalate	4.2	U	4.2	0.36
86-74-8	Carbazole	4.2	U	4.2	0.34
218-01-9	Chrysene	4.2	U	4.2	0.26
84-74-2	Di-n-butyl phthalate	4.2	U	4.2	0.36
117-84-0	Di-n-octyl phthalate	4.2	U	4.2	0.40
101-55-3	4-Bromophenyl phenyl ether	4.2	U	4.2	0.46
106-47-8	4-Chloroaniline	4.2	U	4.2	0.30
91-58-7	2-Chloronaphthalene	4.2	U	4.2	0.41
7005-72-3	4-Chlorophenyl phenyl ether	4.2	U	4.2	0.36
53-70-3	Dibenz(a,h)anthracene	4.2	U	4.2	0.40
132-64-9	Dibenzofuran	4.2	U	4.2	0.45
84-66-2	Diethyl phthalate	4.2	U	4.2	0.45
131-11-3	Dimethyl phthalate	4.2	U	4.2	0.40
95-50-1	1,2-Dichlorobenzene	4.2	U	4.2	0.32
541-73-1	1,3-Dichlorobenzene	4.2	U	4.2	0.26
106-46-7	1,4-Dichlorobenzene	4.2	U	4.2	0.32
91-94-1	3,3'-Dichlorobenzidine	4.2	U	4.2	0.38
121-14-2	2,4-Dinitrotoluene	4.2	U	4.2	0.42
606-20-2	2,6-Dinitrotoluene	4.2	U	4.2	0.27
206-44-0	Fluoranthene	4.2	U	4.2	0.32
86-73-7	Fluorene	4.2	U	4.2	0.27
118-74-1	Hexachlorobenzene	4.2	U	4.2	0.34
87-68-3	Hexachlorobutadiene	4.2	U	4.2	0.21

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-6 | Lab Sample ID: 220-15975-10

Matrix: Water | Lab File ID: Z21704.D

Analysis Method: 8270C | Date Collected: 07/11/2011 16:00

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 960(mL) | Date Analyzed: 07/18/2011 17:07

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
77-47-4	Hexachlorocyclopentadiene	4.2	U	4.2	0.36
67-72-1	Hexachloroethane	4.2	U	4.2	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	4.2	U	4.2	0.29
78-59-1	Isophorone	4.2	U	4.2	0.32
91-57-6	2-Methylnaphthalene	4.2	U	4.2	0.28
91-20-3	Naphthalene	4.2	U	4.2	0.31
88-74-4	2-Nitroaniline	4.2	U	4.2	0.35
99-09-2	3-Nitroaniline	4.2	U	4.2	0.24
98-95-3	Nitrobenzene	4.2	U	4.2	0.29
621-64-7	N-Nitrosodi-n-propylamine	4.2	U	4.2	0.34
86-30-6	N-Nitrosodiphenylamine	4.2	U	4.2	0.34
85-01-8	Phenanthrene	4.2	U	4.2	0.29
129-00-0	Pyrene	4.2	U	4.2	0.34
120-82-1	1,2,4-Trichlorobenzene	4.2	U	4.2	0.38
59-50-7	4-Chloro-3-methylphenol	5.2	U	5.2	0.35
95-57-8	2-Chlorophenol	4.2	U	4.2	0.24
95-48-7	2-Methylphenol	4.2	U	4.2	0.25
106-44-5	4-Methylphenol	4.2	U	4.2	0.30
120-83-2	2,4-Dichlorophenol	4.2	U	4.2	0.34
105-67-9	2,4-Dimethylphenol	4.2	U	4.2	0.34
51-28-5	2,4-Dinitrophenol	26	U	26	0.45
534-52-1	4,6-Dinitro-2-methylphenol	26	U	26	1.9
88-75-5	2-Nitrophenol	4.2	U	4.2	0.28
100-02-7	4-Nitrophenol	10	U	10	1.5
87-86-5	Pentachlorophenol	26	U	26	0.32
108-95-2	Phenol	4.2	U	4.2	0.20
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.29
88-06-2	2,4,6-Trichlorophenol	4.2	U	4.2	0.39
100-51-6	Benzyl alcohol	4.2	U	4.2	0.43
100-01-6	4-Nitroaniline	4.2	U	4.2	0.21
108-60-1	2,2'-oxybis[1-chloropropane]	4.2	U	4.2	0.26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-6 | Lab Sample ID: 220-15975-10

Matrix: Water | Lab File ID: Z21704.D

Analysis Method: 8270C | Date Collected: 07/11/2011 16:00

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 960(mL) | Date Analyzed: 07/18/2011 17:07

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	68		39-120
367-12-4	2-Fluorophenol	37		13-120
118-79-6	2,4,6-Tribromophenol	86		36-120
4165-60-0	Nitrobenzene-d5	71		40-120
4165-62-2	Phenol-d5	25		10-120
1718-51-0	Terphenyl-d14	92		10-120

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\Z21704.D
Lab Smp Id: 220-15975-E-10-A Client Smp ID: MW-6
Inj Date : 18-JUL-2011 17:07
Operator : S.Jonas Inst ID: msz.i
Smp Info : 220-15975-E-10-A
Misc Info : 220-15975-E-10-A
Comment :
Method : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\MSZ-8270C.m
Meth Date : 18-Jul-2011 08:04 stephan Quant Type: ISTD
Cal Date : 23-JUN-2011 08:38 Cal File: Z21499.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	960.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

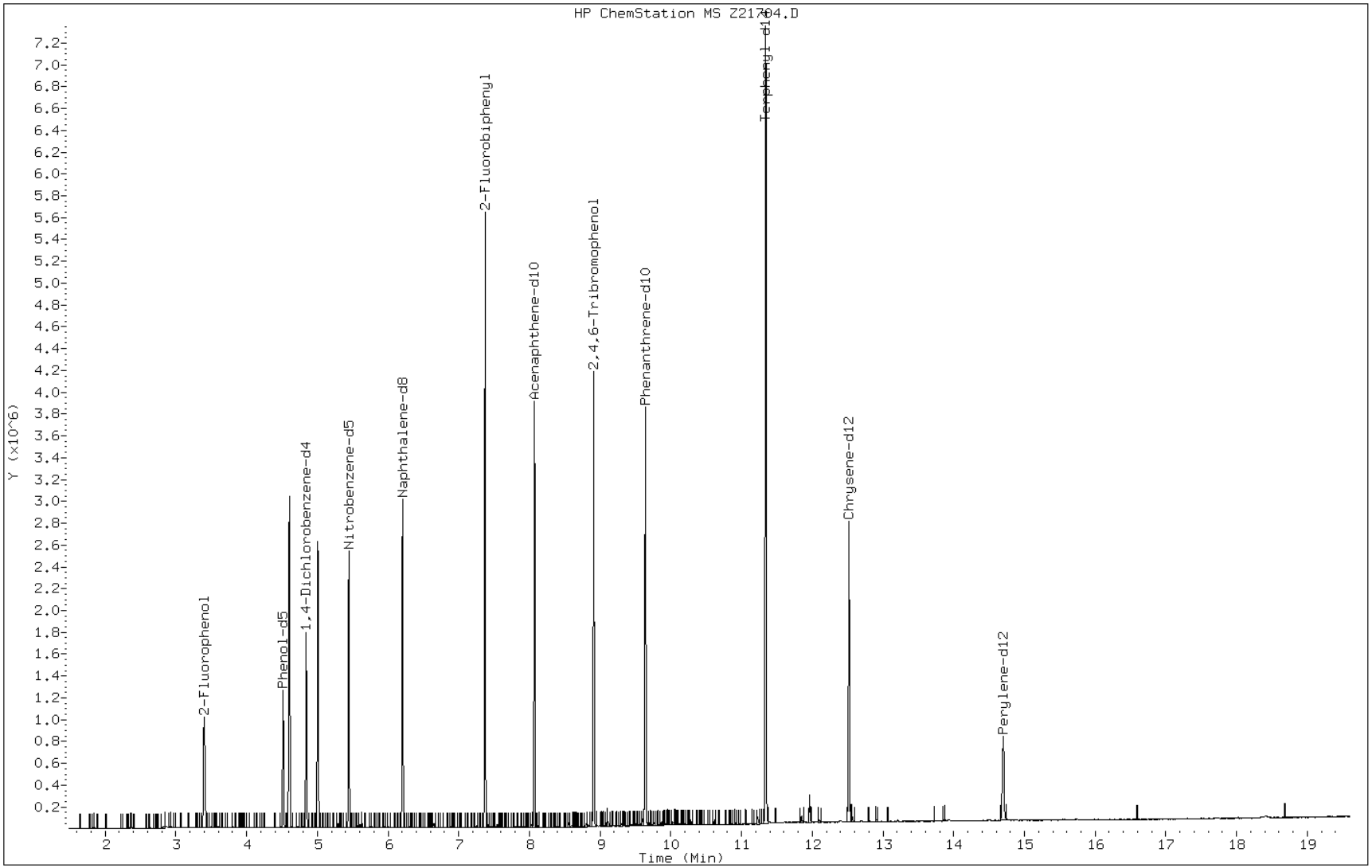
		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/L)
*	1 1,4-Dichlorobenzene-d4	152	4.843	4.846	(1.000)	279718	20.0000	
$	2 2-Fluorophenol	112	3.401	3.401	(0.702)	441277	27.8207	29
$	3 Phenol-d5	99	4.517	4.526	(0.933)	435238	18.9528	20
*	20 Naphthalene-d8	136	6.204	6.211	(1.000)	1248660	20.0000	
$	21 Nitrobenzene-d5	82	5.446	5.452	(0.878)	783172	35.3100	37
*	35 Acenaphthene-d10	164	8.072	8.072	(1.000)	775811	20.0000	
$	40 2-Fluorobiphenyl	172	7.373	7.376	(0.913)	1566490	33.7953	35
$	56 2,4,6-Tribromophenol	330	8.912	8.915	(1.104)	460213	64.8507	68
*	57 Phenanthrene-d10	188	9.639	9.645	(1.000)	1310888	20.0000	
*	70 Chrysene-d12	240	12.520	12.529	(1.000)	1097846	20.0000	
$	73 Terphenyl-d14	244	11.342	11.339	(0.906)	2329386	45.9101	48
*	79 Perylene-d12	264	14.702	14.708	(1.000)	456350	20.0000	

Data File: Z21704.D

Date: 18-JUL-2011 17:07

Client ID: MW-6 Instrument: msz.i

Sample Info: 220-15975-E-10-A Operator: S.Jonas



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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52890

SDG No.:

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

Calibration Start Date: 07/14/2011 12:05 Calibration End Date: 07/14/2011 15:08 Calibration ID: 11472

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52890/2	C24251.D
Level 2	IC 220-52890/3	C24252.D
Level 3	IC 220-52890/4	C24253.D
Level 4	IC 220-52890/5	C24254.D
Level 5	ICIS 220-52890/1	C24250.D
Level 6	IC 220-52890/6	C24255.D
Level 7	IC 220-52890/7	C24256.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodimethylamine	0.3231 0.3195	0.2892 0.3209	0.3077	0.3243	0.3167	Ave		0.3145				4.0		15.0			
Pyridine	0.4236 0.4228	0.3763 0.4243	0.3999	0.4203	0.4208	Ave		0.4126				4.4		15.0			
Cyclohexanone	0.8827 0.5676	0.8226 0.4717	0.8027	0.7794	0.6501	Qua	0.1259	0.3839	0.8368					15.0	0.9935		0.9900
Benzaldehyde	0.1975 0.3560	0.8224 0.2623	0.8670	0.7953	0.4995	Ave		0.5428				52.2	*	15.0			
Aniline	1.8914 1.7671	1.8281 1.7687	1.8670	1.8633	1.7338	Ave		1.8171				3.3		15.0			
Phenol	1.8674 1.7860	1.6935 1.7085	1.6921	1.7691	1.6340	Ave		1.7358				4.4		30.0			
Bis(2-chloroethyl)ether	1.1677 1.1340	1.0674 1.1339	1.1202	1.1719	1.1013	Ave		1.1281				3.2		15.0			
2-Chlorophenol	1.4905 1.4198	1.3687 1.4126	1.4135	1.4889	1.3875	Ave		1.4259				3.3		15.0			
1,3-Dichlorobenzene	1.6775 1.6015	1.5439 1.5921	1.5703	1.6809	1.5842	Ave		1.6072				3.3		15.0			
1,4-Dichlorobenzene	1.7335 1.6361	1.6193 1.6135	1.6399	1.7243	1.6094	Ave		1.6537				3.2		30.0			
1,2-Dichlorobenzene	1.6280 1.4941	1.5245 1.4714	1.5620	1.6463	1.5170	Ave		1.5490				4.3		15.0			
Benzyl alcohol	0.8356 0.8617	0.8278 0.8849	0.8716	0.9156	0.8594	Ave		0.8652				3.4		15.0			
2-Methylphenol	1.2761 1.2340	1.2262 1.2299	1.2594	1.2982	1.2015	Ave		1.2465				2.7		15.0			
2,2'-oxybis[1-chloropropane]	2.6506 2.2898	2.4567 2.2561	2.4797	2.5596	2.3626	Ave		2.4365				5.9		15.0			

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52890

SDG No.:

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

Calibration Start Date: 07/14/2011 12:05 Calibration End Date: 07/14/2011 15:08 Calibration ID: 11472

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetophenone	1.7456 1.7326	1.6546 1.7480	1.6996	1.7886	1.6743	Ave		1.7205				2.7		15.0			
N-Nitrosodi-n-propylamine	1.0105 1.0115	0.9517 1.0020	0.9919	1.0666	0.9820	Ave		1.0023			0.0500	3.5		15.0			
4-Methylphenol	1.3649 1.3269	1.2983 1.3073	1.3079	1.4082	1.2906	Ave		1.3292				3.2		15.0			
Hexachloroethane	0.6642 0.6773	0.6332 0.6836	0.6604	0.7031	0.6616	Ave		0.6691				3.3		15.0			
Nitrobenzene	0.3669 0.3597	0.3466 0.3525	0.3544	0.3641	0.3475	Ave		0.3560				2.2		15.0			
Isophorone	0.6485 0.6588	0.6133 0.6635	0.6424	0.6668	0.6300	Ave		0.6462				3.0		15.0			
2-Nitrophenol	0.1847 0.2076	0.1820 0.2047	0.1984	0.2069	0.1976	Ave		0.1974				5.3		30.0			
2,4-Dimethylphenol	0.2947 0.3127	0.2892 0.3085	0.2961	0.3149	0.3065	Ave		0.3032				3.3		15.0			
Bis(2-chloroethoxy)methane	0.4144 0.3996	0.3916 0.3950	0.4086	0.4187	0.3888	Ave		0.4024				2.9		15.0			
Benzoic acid	0.0133 0.1729	0.0126 0.2020	0.0833	0.1318	0.1666	Ave		0.1118				68.9	*	15.0			
2,4-Dichlorophenol	0.2813 0.2997	0.2798 0.2889	0.2987	0.3063	0.2863	Ave		0.2916				3.5		30.0			
1,2,4-Trichlorobenzene	0.3406 0.3337	0.3275 0.3278	0.3324	0.3452	0.3251	Ave		0.3332				2.2		15.0			
Naphthalene	1.0907 0.9186	1.0506 0.8163	1.0642	1.0578	0.9694	Ave		0.9953				10.0		15.0			
4-Chloroaniline	0.4113 0.4044	0.4106 0.3919	0.4286	0.4333	0.4062	Ave		0.4123				3.5		15.0			
Hexachlorobutadiene	0.2007 0.1979	0.1951 0.1899	0.1999	0.2015	0.1888	Ave		0.1962				2.6		30.0			
Caprolactam	0.0703 0.1022	0.0775 0.1053	0.0879	0.0965	0.0957	Ave		0.0908				14.2		15.0			
4-Chloro-3-methylphenol	0.2733 0.2992	0.2713 0.2965	0.2945	0.3018	0.2910	Ave		0.2897				4.3		30.0			
2,4,5-Trichlorotoluene	1.2067 1.1939	1.1246 1.2047	1.1737	1.2399	1.1383	Ave		1.1831				3.4		15.0			
2-Methylnaphthalene	0.7324 0.6645	0.6897 0.6369	0.7102	0.7157	0.6560	Ave		0.6865				5.1		15.0			
Hexachlorocyclopentadiene	0.2392 0.3424	0.2751 0.3141	0.3181	0.3478	0.3457	Ave		0.3118			0.0500	13.1		15.0			

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52890

SDG No.:

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

Calibration Start Date: 07/14/2011 12:05 Calibration End Date: 07/14/2011 15:08 Calibration ID: 11472

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4,5-Tetrachlorobenzene	0.2855 0.2668	0.2081 0.2656	0.2684	0.2235	0.2736	Ave		0.2559				11.2		15.0			
2,4,6-Trichlorophenol	0.3335 0.3676	0.3301 0.3731	0.3562	0.3737	0.3655	Ave		0.3571				5.1		30.0			
2,4,5-Trichlorophenol	0.3560 0.3854	0.3516 0.3888	0.3671	0.3803	0.3846	Ave		0.3734				4.0		15.0			
1,1'-Biphenyl	1.4714 1.2473	1.4131 1.0953	1.4163	1.4258	1.3317	Ave		1.3430				9.8		15.0			
2-Chloronaphthalene	1.1776 1.0457	1.1075 1.0160	1.1088	1.1276	1.0802	Ave		1.0948				4.9		15.0			
2-Nitroaniline	0.3192 0.3470	0.3174 0.3512	0.3352	0.3514	0.3452	Ave		0.3381				4.3		15.0			
Dimethyl phthalate	1.2179 1.2154	1.1774 1.2192	1.2004	1.2518	1.2094	Ave		1.2131				1.8		15.0			
2,6-Dinitrotoluene	0.2738 0.3024	0.2688 0.3066	0.2821	0.3037	0.3012	Ave		0.2912				5.4		15.0			
Acenaphthylene	1.9146 1.5772	1.8345 1.3607	1.8591	1.8862	1.7700	Ave		1.7432				11.6		15.0			
3-Nitroaniline	0.2962 0.3423	0.3079 0.3447	0.3232	0.3505	0.3430	Ave		0.3297				6.3		15.0			
Acenaphthene	1.2236 1.0805	1.1371 1.0692	1.1546	1.1571	1.1086	Ave		1.1329				4.7		30.0			
2,4-Dinitrophenol	0.0536 0.1799	0.0870 0.1942	0.1372	0.1546	0.1622	Lin	0.3258	0.2056			0.0500			15.0	0.9950		0.9900
4-Nitrophenol	0.1086 0.1496	0.1150 0.1575	0.1326	0.1432	0.1444	Ave		0.1358			0.0500	13.3		15.0			
2,4-Dinitrotoluene	0.3688 0.3971	0.3698 0.4056	0.3912	0.4108	0.4020	Ave		0.3922				4.3		15.0			
Dibenzofuran	1.7240 1.4866	1.6186 1.3179	1.6365	1.6656	1.5622	Ave		1.5731				8.6		15.0			
2,3,4,6-Tetrachlorophenol	0.2390 0.3136	0.2040 0.3172	0.2987	0.2463	0.3060	Lin	0.1035	0.3232						15.0	0.9963		0.9900
Diethyl phthalate	1.2728 1.2338	1.2170 1.2502	1.2280	1.3037	1.2574	Ave		1.2518				2.4		15.0			
Fluorene	1.3701 1.2177	1.2860 1.1625	1.3237	1.3542	1.2710	Ave		1.2836				5.8		15.0			
4-Chlorophenyl phenyl ether	0.6578 0.6110	0.6344 0.5903	0.6410	0.6615	0.6276	Ave		0.6319				4.0		15.0			
4-Nitroaniline	0.2942 0.3307	0.2870 0.3390	0.3154	0.3353	0.3362	Ave		0.3197				6.7		15.0			

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52890

SDG No.:

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

Calibration Start Date: 07/14/2011 12:05 Calibration End Date: 07/14/2011 15:08 Calibration ID: 11472

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
4,6-Dinitro-2-methylphenol	0.0765 0.1468	0.0974 0.1512	0.1264	0.1342	0.1346	Lin	0.2050	0.1574						15.0	0.9984		0.9900
N-Nitrosodiphenylamine	0.5669 0.5481	0.5483 0.5412	0.5643	0.5745	0.5502	Ave		0.5562				2.2		30.0			
1,2-Diphenylhydrazine	0.8237 0.7708	0.7927 0.7165	0.8067	0.8167	0.7873	Ave		0.7878				4.6		15.0			
4-Bromophenyl phenyl ether	0.2211 0.2250	0.2115 0.2193	0.2204	0.2264	0.2216	Ave		0.2208				2.2		15.0			
Hexachlorobenzene	0.2420 0.2354	0.2291 0.2337	0.2340	0.2396	0.2325	Ave		0.2352				1.9		15.0			
Simazine	0.1188 0.1381	0.1189 0.1406	0.1214	0.1263	0.1287	Ave		0.1275				7.0		15.0			
Atrazine	0.1833 0.2110	0.1822 0.2134	0.1820	0.1852	0.1881	Ave		0.1922				7.2		15.0			
Pentachlorophenol	0.0484 0.1411	0.0780 0.1481	0.1100	0.1235	0.1313	Lin	0.2782	0.1566						30.0	0.9974		0.9900
Pentachloronitrobenzene	0.0882 0.0947	0.0711 0.0951	0.0942	0.0770	0.0928	Ave		0.0876				11.0		15.0			
Phenanthrene	1.1349 0.9918	1.1027 0.8456	1.1022	1.1042	1.0329	Ave		1.0449				9.6		15.0			
Anthracene	1.1580 0.9654	1.1005 0.8328	1.1227	1.1232	1.0630	Ave		1.0522				10.9		15.0			
Carbazole	1.0465 0.9463	1.0248 0.8887	1.0370	1.0510	0.9991	Ave		0.9991				6.1		15.0			
Di-n-butyl phthalate	1.1981 1.0509	1.2014 0.8670	1.2608	1.2960	1.2089	Ave		1.1547				12.8		15.0			
Fluoranthene	1.1984 1.0410	1.1536 0.9062	1.1923	1.2087	1.1367	Ave		1.1195				9.8		30.0			
Benzidine	0.1280 0.2422	0.2823 0.2101	0.3094	0.3130	0.2693	Qua	0.1096	1.6781	3.3923					15.0	0.9981		0.9900
Pyrene	1.3143 1.3056	1.2901 1.2143	1.3349	1.3567	1.3158	Ave		1.3045				3.5		15.0			
3,3'-Dimethylbenzidine	0.0919 0.2136	0.2175 0.1736	0.2628	0.2852	0.2363	Ave		0.2116				30.2	*	15.0			
Butyl benzyl phthalate	0.4396 0.5865	0.4521 0.6036	0.5039	0.5504	0.5566	Ave		0.5275				12.1		15.0			
3,3'-Dichlorobenzidine	0.2605 0.3049	0.2747 0.2844	0.3060	0.3290	0.3111	Ave		0.2958				8.0		15.0			
Benzo[a]anthracene	1.1115 1.1199	1.0742 1.1027	1.1016	1.1198	1.0913	Ave		1.1030				1.5		15.0			

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52890

SDG No.:

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

Calibration Start Date: 07/14/2011 12:05 Calibration End Date: 07/14/2011 15:08 Calibration ID: 11472

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chrysene	1.1076 1.0065	1.0506 0.9969	1.0561	1.0836	1.0466	Ave		1.0497				3.7		15.0			
Bis(2-ethylhexyl) phthalate	0.4212 0.6527	0.4312 0.6792	0.5057	0.5818	0.6113	Lin	0.1133	0.6856						15.0	0.9981		0.9900
Di-n-octyl phthalate	0.4746 1.6236	0.5604 1.7992	0.7472	0.9946	1.3038	Qua	0.1582	0.7762	-0.035					30.0	0.9968		0.9900
Benzo[b]fluoranthene	1.1490 1.4875	1.1246 1.4210	1.1919	1.3234	1.3713	Ave		1.2955				10.9		15.0			
Benzo[k]fluoranthene	1.1889 1.4768	1.2089 1.5226	1.3192	1.3613	1.4515	Ave		1.3613				9.6		15.0			
Benzo[a]pyrene	0.8538 1.0283	0.8580 1.0465	0.9254	0.9816	1.0005	Ave		0.9563				8.2		30.0			
Indeno[1,2,3-cd]pyrene	0.3756 0.6643	0.3975 0.8259	0.4355	0.4363	0.5089	Qua	0.0723	2.0645	-0.268					15.0	0.9973		0.9900
Dibenz(a,h)anthracene	0.3490 0.6827	0.3559 0.8332	0.4110	0.4320	0.5257	Qua	0.0970	1.9825	-0.247					15.0	0.9971		0.9900
Benzo[g,h,i]perylene	0.4240 0.7306	0.4104 0.8979	0.4279	0.4463	0.5334	Qua	0.0975	1.9014	-0.230					15.0	0.9953		0.9900
2-Fluorophenol	1.1336 1.1546	1.0678 1.1487	1.1286	1.1955	1.1349	Ave		1.1377				3.4		15.0			
Phenol-d5	1.5243 1.5195	1.4574 1.5275	1.5170	1.6080	1.4740	Ave		1.5183				3.2		15.0			
Nitrobenzene-d5	0.3470 0.3533	0.3324 0.3538	0.3457	0.3563	0.3404	Ave		0.3470				2.4		15.0			
2-Fluorobiphenyl	1.3184 1.1661	1.2350 1.1183	1.2356	1.2685	1.1981	Ave		1.2200				5.4		15.0			
2,4,6-Tribromophenol	0.1572 0.1814	0.1592 0.1858	0.1742	0.1794	0.1757	Ave		0.1733				6.3		15.0			
Terphenyl-d14	0.8672 0.9043	0.8225 0.9290	0.8599	0.8959	0.8804	Ave		0.8799				3.9		15.0			

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52890

SDG No.:

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

Calibration Start Date: 07/14/2011 12:05 Calibration End Date: 07/14/2011 15:08 Calibration ID: 11472

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52890/2	C24251.D
Level 2	IC 220-52890/3	C24252.D
Level 3	IC 220-52890/4	C24253.D
Level 4	IC 220-52890/5	C24254.D
Level 5	ICIS 220-52890/1	C24250.D
Level 6	IC 220-52890/6	C24255.D
Level 7	IC 220-52890/7	C24256.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
N-Nitrosodimethylamine	DCB	Ave	25569 753437	48066 999117	123073	254823	502643	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Pyridine	DCB	Ave	33516 997154	62536 1321236	159964	330326	667837	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Cyclohexanone	DCB	Qua	69849 1338561	136715 1468726	321093	612467	1031653	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzaldehyde	DCB	Ave	15624 839518	136679 816640	346796	625011	792660	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Aniline	DCB	Ave	149662 4167669	303820 5507427	746784	1464270	2751534	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Phenol	DCB	Ave	147763 4212166	281449 5319832	676824	1390248	2593202	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Bis(2-chloroethyl)ether	DCB	Ave	92397 2674516	177398 3530688	448093	920971	1747752	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Chlorophenol	DCB	Ave	117940 3348527	227474 4398604	565383	1170090	2202022	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,3-Dichlorobenzene	DCB	Ave	132737 3777096	256584 4957520	628115	1320950	2514034	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,4-Dichlorobenzene	DCB	Ave	137168 3858702	269123 5024000	655976	1355040	2554102	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2-Dichlorobenzene	DCB	Ave	128818 3523788	253369 4581682	624785	1293719	2407478	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzyl alcohol	DCB	Ave	66122 2032282	137576 2755339	348619	719491	1363896	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Methylphenol	DCB	Ave	100971 2910380	203799 3829731	503767	1020199	1906710	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	209731 5400381	408299 7025011	991877	2011480	3749489	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Acetophenone	DCB	Ave	138121 4086330	274988 5442905	679848	1405595	2657166	2.00 60.0	4.00 80.0	10.0	20.0	40.0

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52890

SDG No.:

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

Calibration Start Date: 07/14/2011 12:05 Calibration End Date: 07/14/2011 15:08 Calibration ID: 11472

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
N-Nitrosodi-n-propylamine	DCB	Ave	79955 2385552	158165 3120031	396755	838198	1558363	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Methylphenol	DCB	Ave	108003 3129442	215769 4070711	523142	1106654	2048193	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachloroethane	DCB	Ave	52552 1597411	105244 2128655	264147	552508	1049923	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Nitrobenzene	NPT	Ave	118412 3451915	231699 4589604	567555	1185271	2240444	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Isophorone	NPT	Ave	209268 6322111	409973 8638073	1028697	2170962	4061833	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Nitrophenol	NPT	Ave	59587 1991978	121650 2664621	317748	673710	1273797	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4-Dimethylphenol	NPT	Ave	95105 3000243	193358 4015964	474082	1025355	1976478	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Bis(2-chloroethoxy)methane	NPT	Ave	133720 3834972	261747 5142590	654314	1363250	2507050	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzoic acid	NPT	Ave	4288 1659108	20988 2629462	333624	643866	1074341	2.00 60.0	10.0 80.0	25.0	30.0	40.0
2,4-Dichlorophenol	NPT	Ave	90763 2876255	187011 3761543	478270	997327	1845906	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2,4-Trichlorobenzene	NPT	Ave	109909 3202131	218931 4267210	532266	1123917	2096264	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Naphthalene	NPT	Ave	351957 8814376	702308 10626761	1704058	3443801	6250473	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Chloroaniline	NPT	Ave	132731 3880961	274493 5102049	686357	1410610	2619109	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachlorobutadiene	NPT	Ave	64755 1899516	130392 2472643	320044	655948	1217054	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Caprolactam	NPT	Ave	22688 980277	51817 1371396	140765	314057	617215	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Chloro-3-methylphenol	NPT	Ave	88186 2871464	181377 3860412	471539	982661	1876134	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4,5-Trichlorotoluene	DCB	Ave	95481 2815845	186909 3751301	469483	974353	1806429	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Methylnaphthalene	NPT	Ave	236332 6376907	461049 8291715	1137307	2329997	4229695	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachlorocyclopentadiene	ANT	Ave	45235 1994764	109155 2433505	307405	678840	1300613	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	54000 1554364	103252 2057747	259407	545204	1029390	2.00 60.0	5.00 80.0	10.0	25.0	40.0
2,4,6-Trichlorophenol	ANT	Ave	63079 2141513	131011 2890525	344261	729352	1374799	2.00 60.0	4.00 80.0	10.0	20.0	40.0

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52890

SDG No.:

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

Calibration Start Date: 07/14/2011 12:05 Calibration End Date: 07/14/2011 15:08 Calibration ID: 11472

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2,4,5-Trichlorophenol	ANT	Ave	168334 2244878	348833 3012524	887020	1113385	1446674	5.00 60.0	10.0 80.0	25.0	30.0	40.0
1,1'-Biphenyl	ANT	Ave	278272 7265598	560773 8486626	1368798	2783079	5009849	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Chloronaphthalene	ANT	Ave	222696 6091568	439493 7872123	1071638	2201043	4063556	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Nitroaniline	ANT	Ave	60368 2021212	125961 2721502	323953	685829	1298681	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Dimethyl phthalate	ANT	Ave	230328 7079953	467245 9446247	1160191	2443480	4549494	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,6-Dinitrotoluene	ANT	Ave	51786 1761677	106667 2375912	272648	592708	1133234	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Acenaphthylene	ANT	Ave	362091 9187537	728011 10542814	1796834	3681727	6658424	2.00 60.0	4.00 80.0	10.0	20.0	40.0
3-Nitroaniline	ANT	Ave	56019 1993882	122189 2670476	312365	684106	1290187	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Acenaphthene	ANT	Ave	231405 6293764	451249 8284556	1115892	2258483	4170525	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4-Dinitrophenol	ANT	Lin	25342 1048012	86295 1504613	331521	452576	610325	5.00 60.0	10.0 80.0	25.0	30.0	40.0
4-Nitrophenol	ANT	Ave	51346 871562	114080 1220115	320271	419373	543081	5.00 60.0	10.0 80.0	25.0	30.0	40.0
2,4-Dinitrotoluene	ANT	Ave	69745 2313187	146762 3142438	378109	801897	1512155	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Dibenzofuran	ANT	Ave	326030 8659494	642314 10211412	1581702	3251136	5876853	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,3,4,6-Tetrachlorophenol	ANT	Lin	45196 1826726	101207 2457378	288686	600981	1151168	2.00 60.0	5.00 80.0	10.0	25.0	40.0
Diethyl phthalate	ANT	Ave	240715 7186913	482966 9686658	1186855	2544694	4730148	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Fluorene	ANT	Ave	259100 7093403	510360 9006951	1279336	2643228	4781387	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Chlorophenyl phenyl ether	ANT	Ave	124393 3558853	251769 4574068	619488	1291248	2361009	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Nitroaniline	ANT	Ave	55647 1926614	113902 2626635	304807	654530	1264737	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4,6-Dinitro-2-methylphenol	PHN	Lin	59615 1419657	159235 1987956	505014	663550	847768	5.00 60.0	10.0 80.0	25.0	30.0	40.0
N-Nitrosodiphenylamine	PHN	Ave	176589 5299555	358454 7114428	901900	1894102	3464473	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2-Diphenylhydrazine	PHN	Ave	256594 7453160	518163 9418454	1289293	2692746	4957263	2.00 60.0	4.00 80.0	10.0	20.0	40.0

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52890

SDG No.:

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

Calibration Start Date: 07/14/2011 12:05 Calibration End Date: 07/14/2011 15:08 Calibration ID: 11472

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
4-Bromophenyl phenyl ether	PHN	Ave	68891 2175667	138259 2882506	352196	746566	1395364	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachlorobenzene	PHN	Ave	75392 2276320	149797 3072625	373936	790129	1463919	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Simazine	PHN	Ave	37020 1334897	77727 1848748	193973	416457	810132	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Atrazine	PHN	Ave	57087 2040011	119121 2804553	290865	610695	1184647	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Pentachlorophenol	PHN	Lin	37711 1364095	127493 1947431	439422	610844	826680	5.00 60.0	10.0 80.0	25.0	30.0	40.0
Pentachloronitrobenzene	PHN	Ave	27491 916034	58139 1250163	150608	317373	584149	2.00 60.0	5.00 80.0	10.0	25.0	40.0
Phenanthrene	PHN	Ave	353531 9589629	720873 11116187	1761549	3640702	6503765	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Anthracene	PHN	Ave	360737 9334727	719401 10946894	1794303	3703355	6693446	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Carbazole	PHN	Ave	326011 9150029	669922 11681548	1657417	3465300	6290744	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Di-n-butyl phthalate	PHN	Ave	373233 10161120	785335 11397299	2015035	4273303	7611812	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Fluoranthene	PHN	Ave	373316 10066062	754112 11912044	1905498	3985257	7157451	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzidine	CRY	Qua	36626 1899921	171853 2101571	455352	930246	1477055	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Pyrene	CRY	Ave	376012 10239828	785320 12144684	1964729	4031820	7215966	2.00 60.0	4.00 80.0	10.0	20.0	40.0
3,3'-Dimethylbenzidine	CRY	Ave	26300 1675043	132406 1736443	386845	847690	1295712	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Butyl benzyl phthalate	CRY	Ave	125762 4599488	275236 6036743	741608	1635562	3052532	2.00 60.0	4.00 80.0	10.0	20.0	40.0
3,3'-Dichlorobenzidine	CRY	Ave	74538 2390921	167194 2844404	450389	977748	1706092	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[a]anthracene	CRY	Ave	317988 8783078	653900 11028195	1621303	3327975	5984868	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Chrysene	CRY	Ave	316898 7893669	639557 9970375	1554431	3220349	5739500	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Bis(2-ethylhexyl) phthalate	CRY	Lin	120519 5119117	262513 6792575	744217	1729053	3352585	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Di-n-octyl phthalate	PRY	Qua	89341 5177402	216458 6647576	678089	1669049	3380495	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[b]fluoranthene	PRY	Ave	216316 4743452	434408 5250336	1081678	2220819	3555683	2.00 60.0	4.00 80.0	10.0	20.0	40.0

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52890

SDG No.:

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

Calibration Start Date: 07/14/2011 12:05 Calibration End Date: 07/14/2011 15:08 Calibration ID: 11472

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzo[k]fluoranthene	PRY	Ave	223827 4709302	466978 5625719	1197267	2284459	3763409	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[a]pyrene	PRY	Ave	160726 3279057	331417 3866694	839849	1647190	2594197	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Indeno[1,2,3-cd]pyrene	PRY	Qua	70706 2118409	153544 3051395	395220	732161	1319551	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Dibenz(a,h)anthracene	PRY	Qua	65704 2176956	137481 3078367	373001	725002	1363035	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[g,h,i]perylene	PRY	Qua	79829 2329801	158514 3317426	388316	749002	1382919	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Fluorophenol	DCB	Ave	89699 2723105	177465 3576674	451439	939507	1801124	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Phenol-d5	DCB	Ave	120616 3583724	242213 4756332	606805	1263693	2339202	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Nitrobenzene-d5	NPT	Ave	111980 3389925	222171 4605568	553536	1159902	2194584	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Fluorobiphenyl	ANT	Ave	249335 6792354	490098 8665024	1194153	2476108	4507268	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4,6-Tribromophenol	ANT	Ave	74305 1056844	157966 1439909	420971	525391	661114	5.00 60.0	10.0 80.0	25.0	30.0	40.0
Terphenyl-d14	CRY	Ave	248121 7092437	500678 9291653	1265584	2662626	4828117	2.00 60.0	4.00 80.0	10.0	20.0	40.0

Curve Type Legend:

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

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124248.b\C24250.D
Lab Smp Id: ICIS-635512 Client Smp ID: ICIS-635512
Inj Date : 14-JUL-2011 12:05
Operator : S.Jonas Inst ID: msc.i
Smp Info : ICIS-635512;63992 IS
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124248.b\MSC-8270C.m
Meth Date : 15-Jul-2011 09:12 msc.i Quant Type: ISTD
Cal Date : 14-JUL-2011 12:05 Cal File: C24250.D
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.920	4.920	(1.000)	793493	20.0000	
$ 2	2-Fluorophenol	112	3.477	3.477	(0.707)	1801124	40.0000	40
$ 3	Phenol-d5	99	4.593	4.593	(0.934)	2339202	40.0000	39
4	Pyridine	52	1.661	1.661	(0.338)	667837	40.0000	41
5	N-Nitrosodimethylamine	42	1.649	1.649	(0.335)	502643	40.0000	40
6	Cyclohexanone	42	3.697	3.697	(0.751)	1031653	40.0000	41
128	Benzaldehyde	77	4.433	4.433	(0.901)	792660	40.0000	37
7	Phenol	94	4.605	4.605	(0.936)	2593202	40.0000	38
8	Aniline	93	4.569	4.569	(0.929)	2751534	40.0000	38
9	bis(2-Chloroethyl)ether	63	4.670	4.670	(0.949)	1747752	40.0000	39
10	2-Chlorophenol	128	4.700	4.700	(0.955)	2202022	40.0000	39
11	1,3-Dichlorobenzene	146	4.854	4.854	(0.987)	2514034	40.0000	39
12	1,4-Dichlorobenzene	146	4.937	4.937	(1.004)	2554102	40.0000	39
13	Benzyl alcohol	108	5.104	5.104	(1.037)	1363896	40.0000	40
14	1,2-Dichlorobenzene	146	5.098	5.098	(1.036)	2407478	40.0000	39
15	2,2'-oxybis(1-Chloropropane)	45	5.252	5.252	(1.068)	3749489	40.0000	39
16	2-Methylphenol	108	5.246	5.246	(1.066)	1906710	40.0000	39
92	Acetophenone	105	5.377	5.377	(1.093)	2657166	40.0000	39
17	Hexachloroethane	117	5.460	5.460	(1.110)	1049923	40.0000	40
18	N-Nitroso-di-n-propylamine	70	5.394	5.394	(1.097)	1558363	40.0000	39

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.412	5.412	(1.100)	2048193	40.0000	39
*	20 Naphthalene-d8	136	6.285	6.285	(1.000)	3223915	20.0000	
$	21 Nitrobenzene-d5	82	5.525	5.525	(0.879)	2194584	40.0000	39
	22 Nitrobenzene	77	5.543	5.543	(0.882)	2240444	40.0000	39
	23 Isophorone	82	5.816	5.816	(0.925)	4061833	40.0000	39
	24 2-Nitrophenol	139	5.887	5.887	(0.937)	1273797	40.0000	40
	25 2,4-Dimethylphenol	122	5.970	5.970	(0.950)	1976478	40.0000	40
	26 Benzoic Acid	122	6.142	6.142	(0.977)	1074341	40.0000	60(M)
	27 Bis(2-Chloroethoxy)methane	93	6.065	6.065	(0.965)	2507050	40.0000	39
	28 2,4-Dichlorophenol	162	6.154	6.154	(0.979)	1845906	40.0000	39
	29 1,2,4-Trichlorobenzene	180	6.231	6.231	(0.992)	2096264	40.0000	39
	30 Naphthalene	128	6.308	6.308	(1.004)	6250473	40.0000	39
	31 4-Chloroaniline	127	6.380	6.380	(1.015)	2619109	40.0000	39
	32 Hexachlorobutadiene	225	6.463	6.463	(1.028)	1217054	40.0000	38
	129 Caprolactam	113	6.795	6.795	(1.081)	617215	40.0000	42(M)
	33 4-Chloro-3-methylphenol	107	6.932	6.932	(1.103)	1876134	40.0000	40
	34 2-Methylnaphthalene	142	7.050	7.050	(1.122)	4229695	40.0000	38
*	35 Acenaphthene-d10	164	8.154	8.154	(1.000)	1880963	20.0000	
	36 2,4,5-Trichlorotoluene	159	7.015	7.015	(1.426)	1806429	40.0000	38
	37 Hexachlorocyclopentadiene	237	7.228	7.228	(0.886)	1300613	40.0000	44
	38 2,4,6-Trichlorophenol	196	7.365	7.365	(0.903)	1374799	40.0000	41
	39 2,4,5-Trichlorophenol	196	7.401	7.401	(0.908)	1446674	40.0000	41
$	40 2-Fluorobiphenyl	172	7.454	7.454	(0.914)	4507268	40.0000	39
	130 1,1'-Biphenyl	154	7.555	7.555	(0.926)	5009849	40.0000	40
	41 2-Chloronaphthalene	162	7.567	7.567	(0.928)	4063556	40.0000	39
	42 2-Nitroaniline	65	7.685	7.685	(0.943)	1298681	40.0000	41
	43 Acenaphthylene	152	8.000	8.000	(0.981)	6658424	40.0000	41
	44 Dimethylphthalate	163	7.899	7.899	(0.969)	4549494	40.0000	40
	45 2,6-Dinitrotoluene	165	7.953	7.953	(0.975)	1133234	40.0000	41
	46 Acenaphthene	153	8.190	8.190	(1.004)	4170525	40.0000	39
	47 3-Nitroaniline	138	8.125	8.125	(0.996)	1290187	40.0000	42
	48 2,4-Dinitrophenol	184	8.232	8.232	(1.009)	610325	40.0000	38
	49 Dibenzofuran	168	8.374	8.374	(1.027)	5876853	40.0000	40
	50 2,4-Dinitrotoluene	165	8.374	8.374	(1.027)	1512155	40.0000	41
	51 4-Nitrophenol	109	8.326	8.326	(1.021)	543081	40.0000	43
	52 Fluorene	166	8.736	8.736	(1.071)	4781387	40.0000	40
	53 4-Chlorophenyl-phenylether	204	8.748	8.748	(1.073)	2361009	40.0000	40
	54 Diethylphthalate	149	8.647	8.647	(1.060)	4730148	40.0000	40
	55 4-Nitroaniline	138	8.778	8.778	(1.076)	1264737	40.0000	42
$	56 2,4,6-Tribromophenol	330	8.997	8.997	(1.103)	661114	40.0000	41
*	57 Phenanthrene-d10	188	9.727	9.727	(1.000)	3148348	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.807	8.807	(0.905)	847768	40.0000	38
	59 N-Nitrosodiphenylamine (1)	169	8.878	8.878	(0.913)	3464473	40.0000	40
	60 1,2-Diphenylhydrazine	77	8.914	8.914	(0.916)	4957263	40.0000	40
	61 4-Bromophenyl-phenylether	248	9.264	9.264	(0.952)	1395364	40.0000	40
	131 Atrazine	200	9.460	9.460	(0.973)	1184647	40.0000	39
	62 Hexachlorobenzene	284	9.330	9.330	(0.959)	1463919	40.0000	40
	63 Pentachlorophenol	266	9.537	9.537	(0.980)	826680	40.0000	39
	64 Phenanthrene	178	9.757	9.757	(1.003)	6503765	40.0000	40
	65 Carbazole	167	9.982	9.982	(1.026)	6290744	40.0000	40
	66 Anthracene	178	9.810	9.810	(1.009)	6693446	40.0000	40
	67 Di-n-butylphthalate	149	10.374	10.374	(1.067)	7611812	40.0000	42
	68 Fluoranthene	202	11.015	11.015	(1.132)	7157451	40.0000	41
*	70 Chrysene-d12	240	12.641	12.641	(1.000)	2742077	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
71	Benzidine	184	11.158	11.158	(0.883)	1477055	40.0000	40
72	Pyrene	202	11.253	11.253	(0.890)	7215966	40.0000	40
$ 73	Terphenyl-d14	244	11.425	11.425	(0.904)	4828117	40.0000	40
74	Butylbenzylphthalate	149	11.959	11.959	(0.946)	3052532	40.0000	42
124	3,3'-Dimethylbenzidine	212	11.935	11.935	(0.944)	1295712	40.0000	45
75	3,3'-Dichlorobenzidine	252	12.600	12.600	(0.997)	1706092	40.0000	42
76	Benzo(a)anthracene	228	12.624	12.624	(0.999)	5984868	40.0000	40
77	Chrysene	228	12.677	12.677	(1.003)	5739500	40.0000	40
78	Bis(2-Ethylhexyl)phthalate	149	12.677	12.677	(1.003)	3352585	40.0000	38
* 79	Perylene-d12	264	14.873	14.873	(1.000)	1296419	20.0000	
80	Di-n-octylphthalate	149	13.621	13.621	(0.916)	3380495	40.0000	39
81	Benzo(b)fluoranthene	252	14.220	14.220	(0.956)	3555683	40.0000	42
82	Benzo(k)fluoranthene	252	14.268	14.268	(0.959)	3763409	40.0000	43
83	Benzo(a)pyrene	252	14.772	14.772	(0.993)	2594197	40.0000	42
84	Indeno(1,2,3-cd)pyrene	276	16.921	16.921	(1.138)	1319551	40.0000	38
85	Dibenzo(a,h)anthracene	278	16.974	16.974	(1.141)	1363035	40.0000	38
86	Benzo(g,h,i)perylene	276	17.455	17.455	(1.174)	1382919	40.0000	37
167	Simazine	201	9.430	9.430	(0.969)	810132	40.0000	40
103	1,2,4,5-Tetrachlorobenzene	216	7.234	7.234	(0.887)	1029390	40.0000	43
109	2,3,4,6-Tetrachlorophenol	232	8.516	8.516	(1.044)	1151168	40.0000	40
119	Pentachloronitrobenzene	237	9.555	9.555	(0.982)	584149	40.0000	42

QC Flag Legend

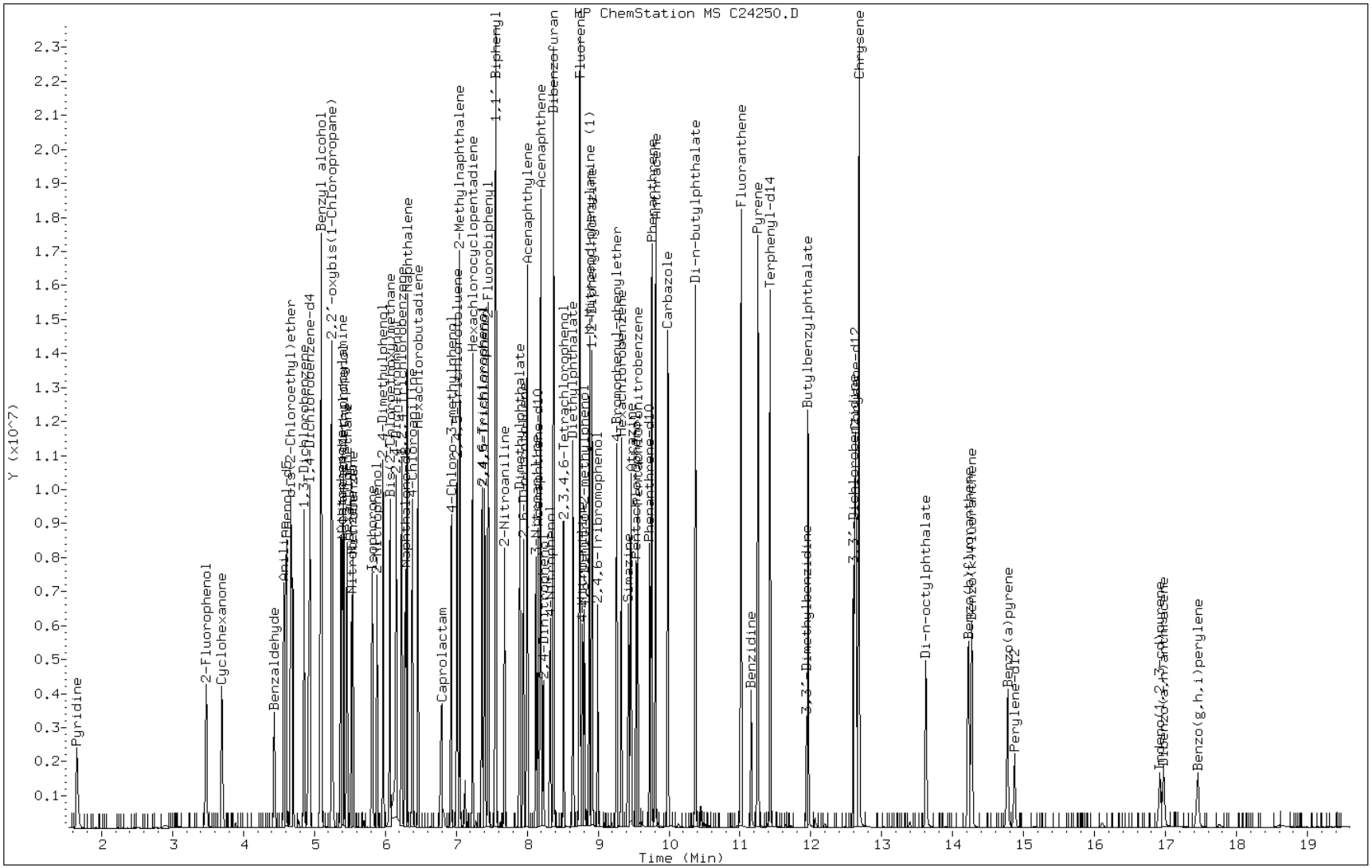
M - Compound response manually integrated.

Data File: C24250.D

Date: 14-JUL-2011 12:05

Client ID: ICIS-635512 Instrument: msc.i

Sample Info: ICIS-635512;63992 IS Operator: S.Jonas



Manual Integration Report

Data File: C24250.D
Inj. Date and Time: 14-JUL-2011 12:05
Instrument ID: msc.i
Client ID: ICIS-635512
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 07/15/2011

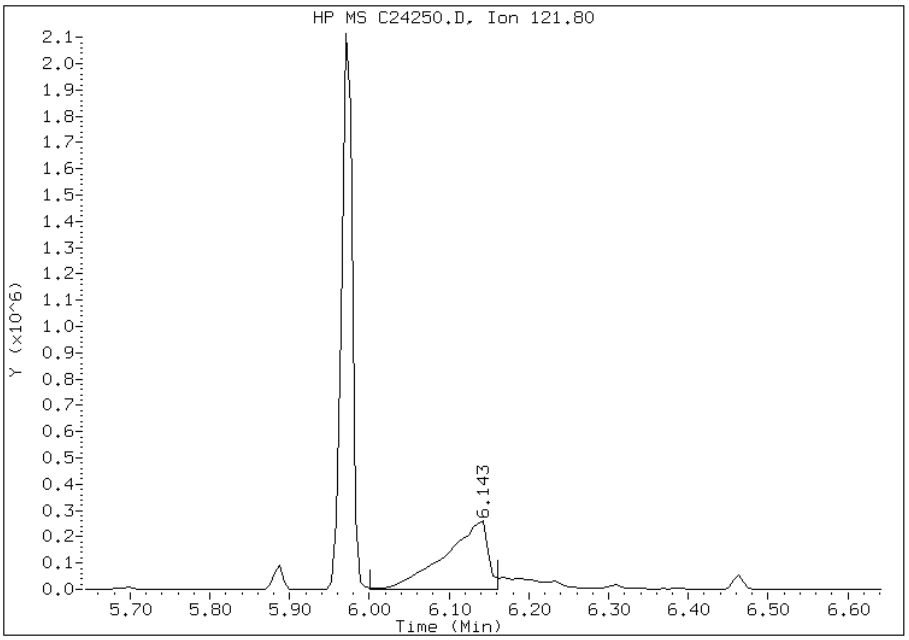
Processing Integration Results

RT: 6.14

Response: 956256

Amount: 40

Conc: 40



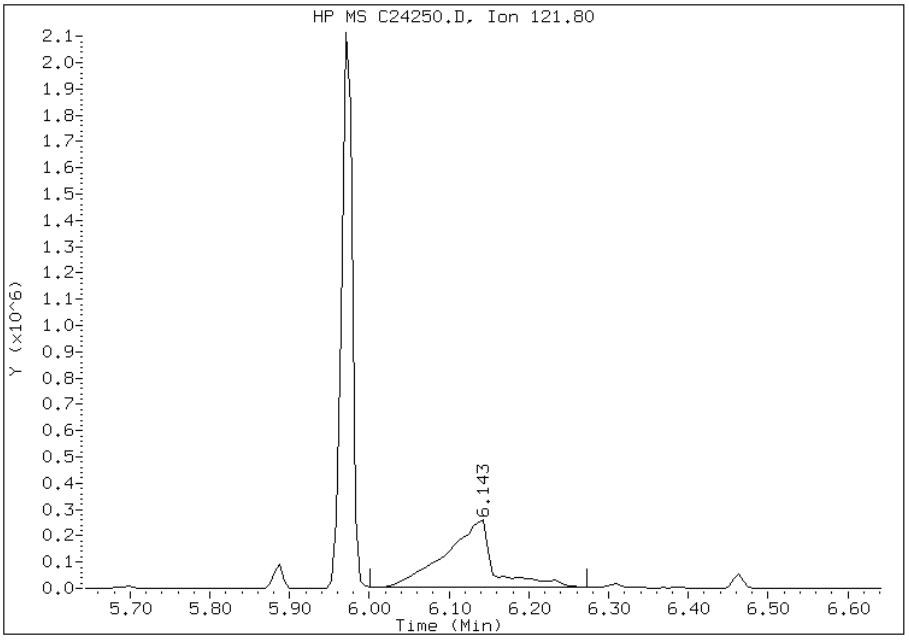
Manual Integration Results

RT: 6.14

Response: 1074341

Amount: 60

Conc: 60



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

Manual Integration Report

Data File: C24250.D
Inj. Date and Time: 14-JUL-2011 12:05
Instrument ID: msc.i
Client ID: ICIS-635512
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 07/15/2011

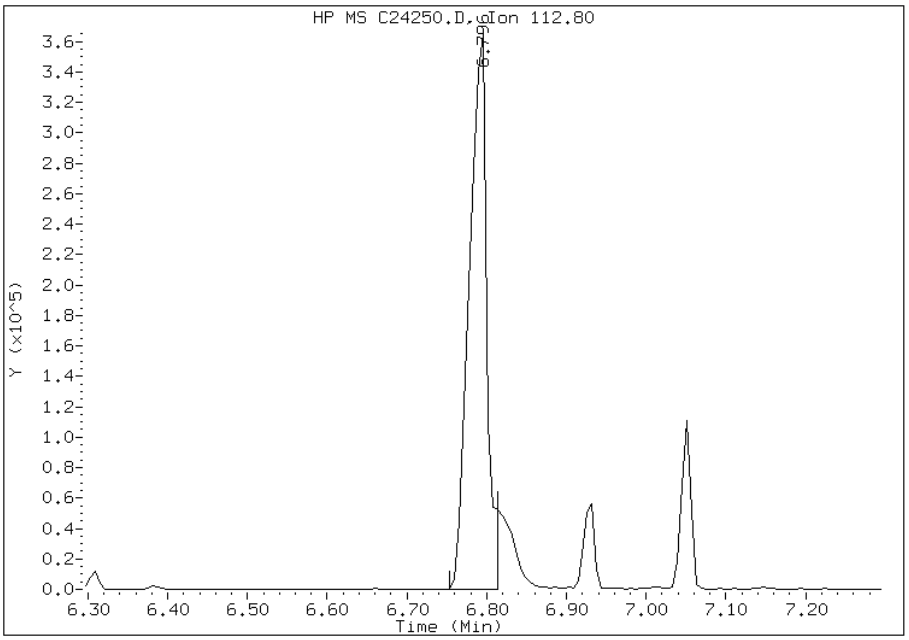
Processing Integration Results

RT: 6.80

Response: 557701

Amount: 40

Conc: 40



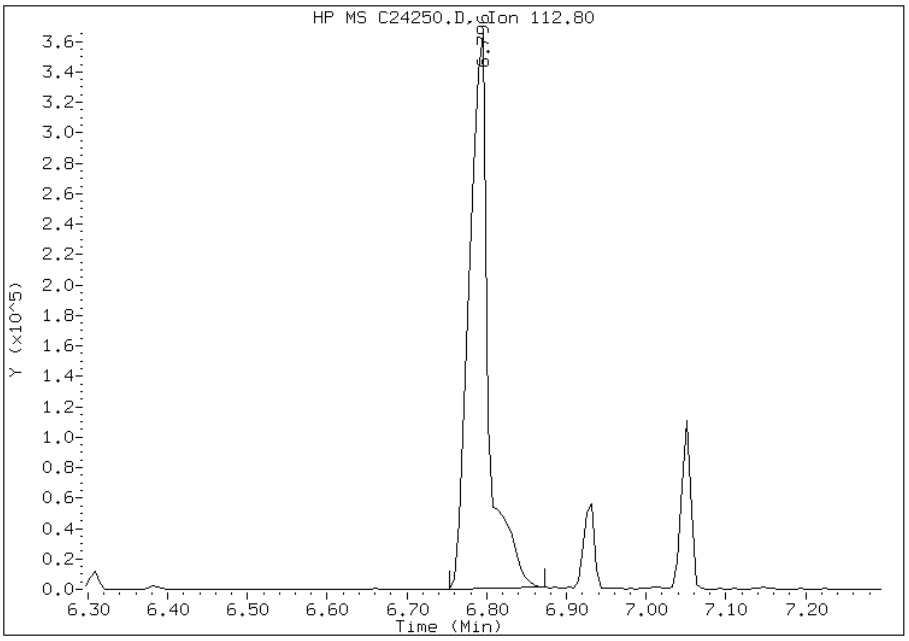
Manual Integration Results

RT: 6.80

Response: 617215

Amount: 42

Conc: 42



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

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124248.b\C24251.D
Lab Smp Id: IC-635513 Client Smp ID: IC-635513
Inj Date : 14-JUL-2011 12:36
Operator : S.Jonas Inst ID: msc.i
Smp Info : IC-635513
Misc Info :
Comment   :
Method   : \\Consvr05\Files\Chem\BNA\msc.i\C1124248.b\MSC-8270C.m
Meth Date : 15-Jul-2011 08:47 conbna Quant Type: ISTD
Cal Date : 14-JUL-2011 12:36 Cal File: C24251.D
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.914	4.914	(1.000)	791266	20.0000	
$ 2	2-Fluorophenol	112	3.471	3.471	(0.707)	89699	2.00000	2
$ 3	Phenol-d5	99	4.575	4.575	(0.931)	120616	2.00000	2
5	N-Nitrosodimethylamine	42	1.661	1.661	(0.338)	25569	2.00000	2
6	Cyclohexanone	42	3.703	3.703	(0.754)	69849	2.00000	2
128	Benzaldehyde	77	4.433	4.433	(0.902)	15624	2.00000	0.7
7	Phenol	94	4.587	4.587	(0.934)	147763	2.00000	2
8	Aniline	93	4.563	4.563	(0.929)	149662	2.00000	2
9	bis(2-Chloroethyl)ether	63	4.658	4.658	(0.948)	92397	2.00000	2
10	2-Chlorophenol	128	4.688	4.688	(0.954)	117940	2.00000	2
11	1,3-Dichlorobenzene	146	4.854	4.854	(0.988)	132737	2.00000	2
12	1,4-Dichlorobenzene	146	4.931	4.931	(1.004)	137168	2.00000	2
13	Benzyl alcohol	108	5.092	5.092	(1.036)	66122	2.00000	2
14	1,2-Dichlorobenzene	146	5.098	5.098	(1.037)	128818	2.00000	2
15	2,2'-oxybis(1-Chloropropane)	45	5.246	5.246	(1.068)	209731	2.00000	2
16	2-Methylphenol	108	5.234	5.234	(1.065)	100971	2.00000	2
92	Acetophenone	105	5.359	5.359	(1.091)	138121	2.00000	2
17	Hexachloroethane	117	5.460	5.460	(1.111)	52552	2.00000	2
18	N-Nitroso-di-n-propylamine	70	5.382	5.382	(1.095)	79955	2.00000	2
19	4-Methylphenol	108	5.400	5.400	(1.099)	108003	2.00000	2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
*	20 Naphthalene-d8	136	6.279	6.279	(1.000)	3226994	20.0000	
$	21 Nitrobenzene-d5	82	5.513	5.513	(0.878)	111980	2.00000	2
	22 Nitrobenzene	77	5.537	5.537	(0.882)	118412	2.00000	2
	23 Isophorone	82	5.798	5.798	(0.923)	209268	2.00000	2
	24 2-Nitrophenol	139	5.881	5.881	(0.937)	59587	2.00000	2
	25 2,4-Dimethylphenol	122	5.958	5.958	(0.949)	95105	2.00000	2
	26 Benzoic Acid	122	6.041	6.041	(0.962)	4288	2.00000	14(M)
	27 Bis(2-Chloroethoxy)methane	93	6.053	6.053	(0.964)	133720	2.00000	2
	28 2,4-Dichlorophenol	162	6.142	6.142	(0.978)	90763	2.00000	2
	29 1,2,4-Trichlorobenzene	180	6.225	6.225	(0.991)	109909	2.00000	2
	30 Naphthalene	128	6.302	6.302	(1.004)	351957	2.00000	2
	31 4-Chloroaniline	127	6.374	6.374	(1.015)	132731	2.00000	2
	32 Hexachlorobutadiene	225	6.457	6.457	(1.028)	64755	2.00000	2
	129 Caprolactam	113	6.706	6.706	(1.068)	22688	2.00000	2
	33 4-Chloro-3-methylphenol	107	6.914	6.914	(1.101)	88186	2.00000	2
	34 2-Methylnaphthalene	142	7.044	7.044	(1.122)	236332	2.00000	2
*	35 Acenaphthene-d10	164	8.148	8.148	(1.000)	1891163	20.0000	
	36 2,4,5-Trichlorotoluene	159	7.009	7.009	(1.426)	95481	2.00000	2
	37 Hexachlorocyclopentadiene	237	7.228	7.228	(0.887)	45235	2.00000	2
	38 2,4,6-Trichlorophenol	196	7.353	7.353	(0.902)	63079	2.00000	2
	39 2,4,5-Trichlorophenol	196	7.389	7.389	(0.907)	168334	5.00000	5
$	40 2-Fluorobiphenyl	172	7.442	7.442	(0.913)	249335	2.00000	2
	130 1,1'-Biphenyl	154	7.543	7.543	(0.926)	278272	2.00000	2
	41 2-Chloronaphthalene	162	7.555	7.555	(0.927)	222696	2.00000	2
	42 2-Nitroaniline	65	7.674	7.674	(0.942)	60368	2.00000	2
	43 Acenaphthylene	152	7.994	7.994	(0.981)	362091	2.00000	2
	44 Dimethylphthalate	163	7.881	7.881	(0.967)	230328	2.00000	2
	45 2,6-Dinitrotoluene	165	7.935	7.935	(0.974)	51786	2.00000	2
	46 Acenaphthene	153	8.178	8.178	(1.004)	231405	2.00000	2
	47 3-Nitroaniline	138	8.107	8.107	(0.995)	56019	2.00000	2
	48 2,4-Dinitrophenol	184	8.214	8.214	(1.008)	25342	5.00000	8
	49 Dibenzofuran	168	8.362	8.362	(1.026)	326030	2.00000	2
	50 2,4-Dinitrotoluene	165	8.356	8.356	(1.025)	69745	2.00000	2
	51 4-Nitrophenol	109	8.303	8.303	(1.019)	51346	5.00000	7
	52 Fluorene	166	8.730	8.730	(1.071)	259100	2.00000	2
	53 4-Chlorophenyl-phenylether	204	8.736	8.736	(1.072)	124393	2.00000	2
	54 Diethylphthalate	149	8.629	8.629	(1.059)	240715	2.00000	2
	55 4-Nitroaniline	138	8.748	8.748	(1.074)	55647	2.00000	2
$	56 2,4,6-Tribromophenol	330	8.985	8.985	(1.103)	74305	5.00000	5
*	57 Phenanthrene-d10	188	9.721	9.721	(1.000)	3115213	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.789	8.789	(0.904)	59615	5.00000	7
	59 N-Nitrosodiphenylamine (1)	169	8.861	8.861	(0.911)	176589	2.00000	2
	60 1,2-Diphenylhydrazine	77	8.902	8.902	(0.916)	256594	2.00000	2
	61 4-Bromophenyl-phenylether	248	9.252	9.252	(0.952)	68891	2.00000	2
	131 Atrazine	200	9.442	9.442	(0.971)	57087	2.00000	2
	62 Hexachlorobenzene	284	9.318	9.318	(0.958)	75392	2.00000	2
	63 Pentachlorophenol	266	9.531	9.531	(0.980)	37711	5.00000	7
	64 Phenanthrene	178	9.745	9.745	(1.002)	353531	2.00000	2
	65 Carbazole	167	9.970	9.970	(1.026)	326011	2.00000	2
	66 Anthracene	178	9.798	9.798	(1.008)	360737	2.00000	2
	67 Di-n-butylphthalate	149	10.362	10.362	(1.066)	373233	2.00000	2
	68 Fluoranthene	202	11.003	11.003	(1.132)	373316	2.00000	2
*	70 Chrysene-d12	240	12.630	12.630	(1.000)	2861013	20.0000	
	72 Pyrene	202	11.241	11.241	(0.890)	376012	2.00000	2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	73 Terphenyl-d14	244	11.419	11.419	(0.904)	248121	2.00000	2
	74 Butylbenzylphthalate	149	11.953	11.953	(0.946)	125762	2.00000	2
	75 3,3'-Dichlorobenzidine	252	12.588	12.588	(0.997)	74538	2.00000	2
	76 Benzo(a)anthracene	228	12.612	12.612	(0.999)	317988	2.00000	2
	77 Chrysene	228	12.659	12.659	(1.002)	316898	2.00000	2
	78 Bis(2-Ethylhexyl)phthalate	149	12.677	12.677	(1.004)	120519	2.00000	1
*	79 Perylene-d12	264	14.867	14.867	(1.000)	1882568	20.0000	
	80 Di-n-octylphthalate	149	13.615	13.615	(0.916)	89341	2.00000	4
	81 Benzo(b)fluoranthene	252	14.202	14.202	(0.955)	216316	2.00000	2
	82 Benzo(k)fluoranthene	252	14.244	14.244	(0.958)	223827	2.00000	2
	83 Benzo(a)pyrene	252	14.760	14.760	(0.993)	160726	2.00000	2
	84 Indeno(1,2,3-cd)pyrene	276	16.897	16.897	(1.137)	70706	2.00000	3
	85 Dibenzo(a,h)anthracene	278	16.956	16.956	(1.141)	65704	2.00000	3
	86 Benzo(g,h,i)perylene	276	17.437	17.437	(1.173)	79829	2.00000	4
	167 Simazine	201	9.401	9.401	(0.967)	37020	2.00000	3(H)
	103 1,2,4,5-Tetrachlorobenzene	216	7.228	7.228	(0.887)	54000	2.00000	2
	109 2,3,4,6-Tetrachlorophenol	232	8.504	8.504	(1.044)	45196	2.00000	4
	119 Pentachloronitrobenzene	237	9.543	9.543	(0.982)	27491	2.00000	2

QC Flag Legend

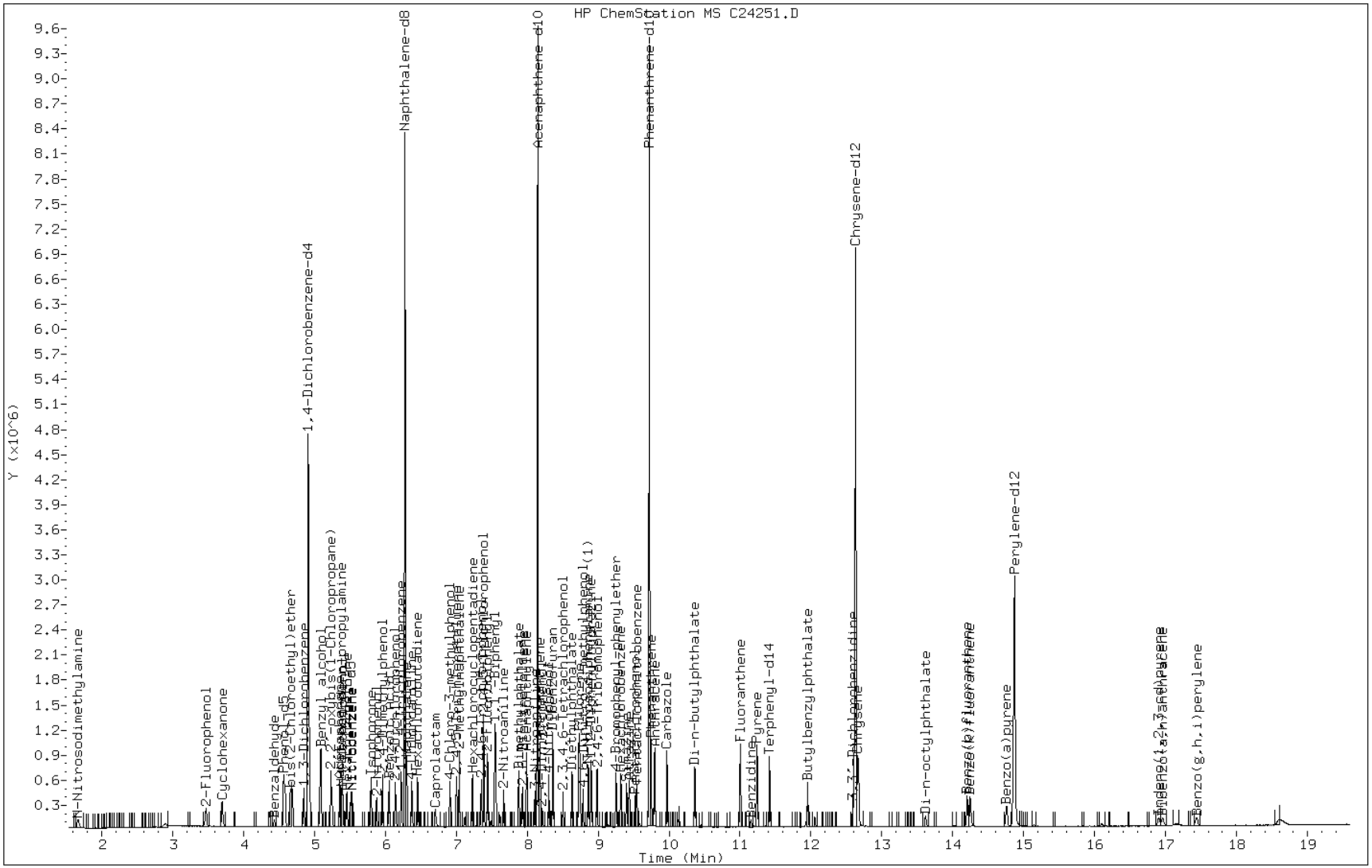
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: C24251.D

Date: 14-JUL-2011 12:36

Client ID: IC-635513 Instrument: msc.i

Sample Info: IC-635513 Operator: S.Jonas



Manual Integration Report

Data File: C24251.D
Inj. Date and Time: 14-JUL-2011 12:36
Instrument ID: msc.i
Client ID: IC-635513
Compound: 4 Pyridine
CAS #: 110-86-1
Report Date: 07/15/2011

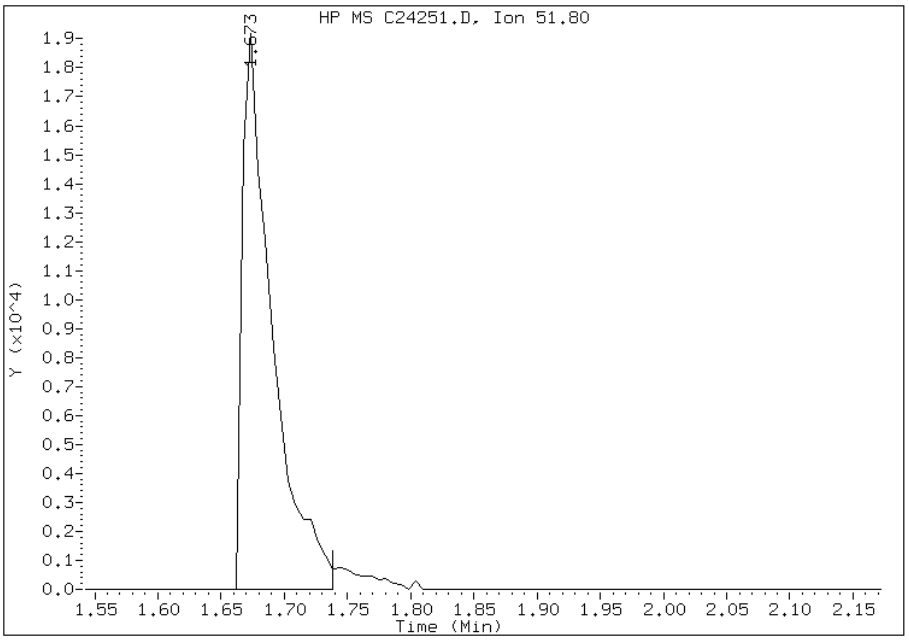
Processing Integration Results

RT: 1.67

Response: 32109

Amount: 2

Conc: 2



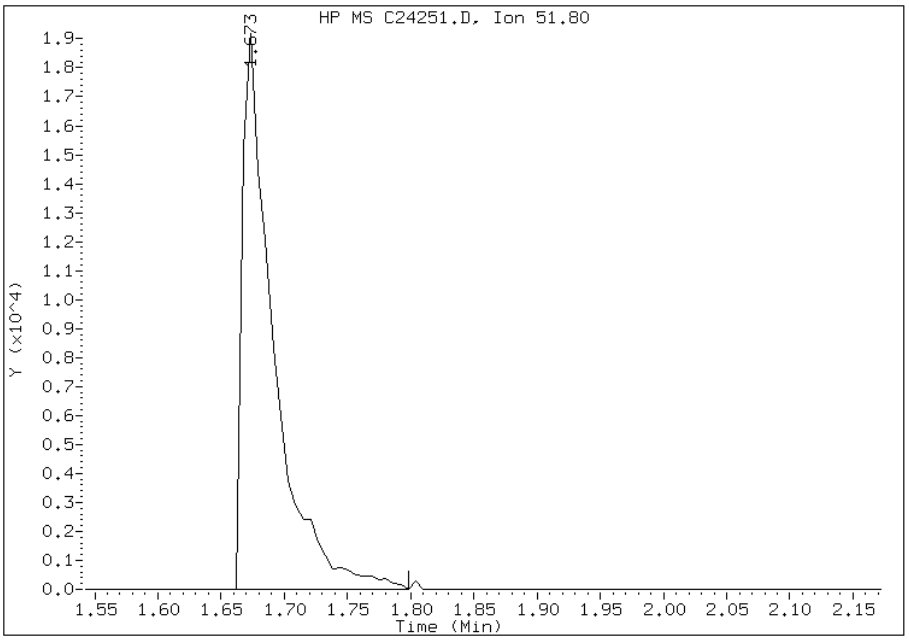
Manual Integration Results

RT: 1.67

Response: 33516

Amount: 2

Conc: 2



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

Manual Integration Report

Data File: C24251.D
Inj. Date and Time: 14-JUL-2011 12:36
Instrument ID: msc.i
Client ID: IC-635513
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 07/15/2011

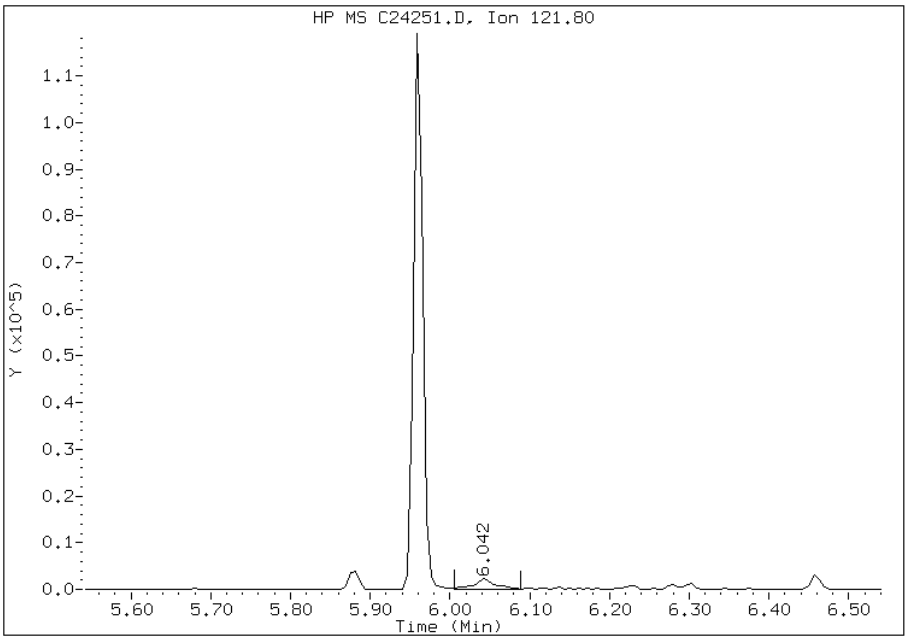
Processing Integration Results

RT: 6.04

Response: 4288

Amount: 14

Conc: 14



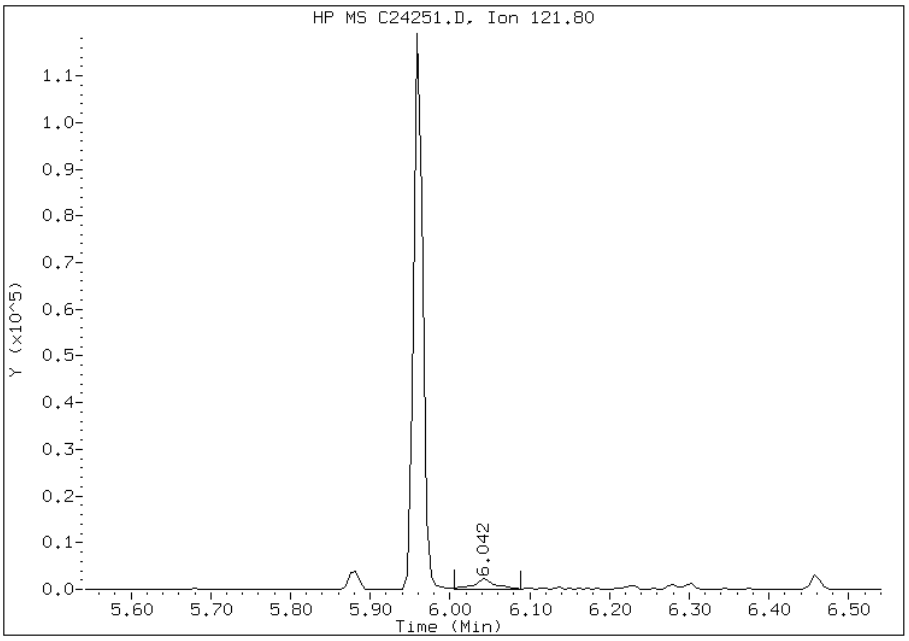
Manual Integration Results

RT: 6.04

Response: 4288

Amount: 14

Conc: 14



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

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124248.b\C24252.D
Lab Smp Id: IC-635514 Client Smp ID: IC-635514
Inj Date : 14-JUL-2011 13:06
Operator : S.Jonas Inst ID: msc.i
Smp Info : IC-635514
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124248.b\MSC-8270C.m
Meth Date : 15-Jul-2011 08:47 conbna Quant Type: ISTD
Cal Date : 14-JUL-2011 13:06 Cal File: C24252.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.913	4.913	(1.000)	830987	20.0000	
$ 2	2-Fluorophenol	112	3.471	3.471	(0.706)	177465	4.00000	4
$ 3	Phenol-d5	99	4.575	4.575	(0.931)	242213	4.00000	4
4	Pyridine	52	1.667	1.667	(0.339)	62536	4.00000	4
5	N-Nitrosodimethylamine	42	1.655	1.655	(0.337)	48066	4.00000	4
6	Cyclohexanone	42	3.697	3.697	(0.752)	136715	4.00000	4
128	Benzaldehyde	77	4.433	4.433	(0.902)	136679	4.00000	6
7	Phenol	94	4.587	4.587	(0.934)	281449	4.00000	4
8	Aniline	93	4.563	4.563	(0.929)	303820	4.00000	4
9	bis(2-Chloroethyl)ether	63	4.658	4.658	(0.948)	177398	4.00000	4
10	2-Chlorophenol	128	4.688	4.688	(0.954)	227474	4.00000	4
11	1,3-Dichlorobenzene	146	4.854	4.854	(0.988)	256584	4.00000	4
12	1,4-Dichlorobenzene	146	4.931	4.931	(1.004)	269123	4.00000	4
13	Benzyl alcohol	108	5.091	5.091	(1.036)	137576	4.00000	4
14	1,2-Dichlorobenzene	146	5.097	5.097	(1.037)	253369	4.00000	4
15	2,2'-oxybis(1-Chloropropane)	45	5.246	5.246	(1.068)	408299	4.00000	4
16	2-Methylphenol	108	5.234	5.234	(1.065)	203799	4.00000	4
92	Acetophenone	105	5.359	5.359	(1.091)	274988	4.00000	4
17	Hexachloroethane	117	5.454	5.454	(1.110)	105244	4.00000	4
18	N-Nitroso-di-n-propylamine	70	5.382	5.382	(1.095)	158165	4.00000	4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.400	5.400	(1.099)	215769	4.00000	4
*	20 Naphthalene-d8	136	6.279	6.279	(1.000)	3342424	20.0000	
$	21 Nitrobenzene-d5	82	5.513	5.513	(0.878)	222171	4.00000	4
	22 Nitrobenzene	77	5.537	5.537	(0.882)	231699	4.00000	4
	23 Isophorone	82	5.798	5.798	(0.923)	409973	4.00000	4
	24 2-Nitrophenol	139	5.881	5.881	(0.937)	121650	4.00000	4
	25 2,4-Dimethylphenol	122	5.958	5.958	(0.949)	193358	4.00000	4
	26 Benzoic Acid	122	6.071	6.071	(0.967)	20988	10.0000	14(M)
	27 Bis(2-Chloroethoxy)methane	93	6.053	6.053	(0.964)	261747	4.00000	4
	28 2,4-Dichlorophenol	162	6.142	6.142	(0.978)	187011	4.00000	4
	29 1,2,4-Trichlorobenzene	180	6.225	6.225	(0.991)	218931	4.00000	4
	30 Naphthalene	128	6.302	6.302	(1.004)	702308	4.00000	4
	31 4-Chloroaniline	127	6.374	6.374	(1.015)	274493	4.00000	4
	32 Hexachlorobutadiene	225	6.457	6.457	(1.028)	130392	4.00000	4
	129 Caprolactam	113	6.718	6.718	(1.070)	51817	4.00000	4
	33 4-Chloro-3-methylphenol	107	6.914	6.914	(1.101)	181377	4.00000	4
	34 2-Methylnaphthalene	142	7.044	7.044	(1.122)	461049	4.00000	4
*	35 Acenaphthene-d10	164	8.148	8.148	(1.000)	1984219	20.0000	
	36 2,4,5-Trichlorotoluene	159	7.009	7.009	(1.426)	186909	4.00000	4
	37 Hexachlorocyclopentadiene	237	7.228	7.228	(0.887)	109155	4.00000	4
	38 2,4,6-Trichlorophenol	196	7.353	7.353	(0.902)	131011	4.00000	4
	39 2,4,5-Trichlorophenol	196	7.388	7.388	(0.907)	348833	10.0000	9
$	40 2-Fluorobiphenyl	172	7.442	7.442	(0.913)	490098	4.00000	4
	130 1,1'-Biphenyl	154	7.543	7.543	(0.926)	560773	4.00000	4
	41 2-Chloronaphthalene	162	7.555	7.555	(0.927)	439493	4.00000	4
	42 2-Nitroaniline	65	7.673	7.673	(0.942)	125961	4.00000	4
	43 Acenaphthylene	152	7.994	7.994	(0.981)	728011	4.00000	4
	44 Dimethylphthalate	163	7.881	7.881	(0.967)	467245	4.00000	4
	45 2,6-Dinitrotoluene	165	7.934	7.934	(0.974)	106667	4.00000	4
	46 Acenaphthene	153	8.178	8.178	(1.004)	451249	4.00000	4
	47 3-Nitroaniline	138	8.107	8.107	(0.995)	122189	4.00000	4
	48 2,4-Dinitrophenol	184	8.219	8.219	(1.009)	86295	10.0000	11
	49 Dibenzofuran	168	8.368	8.368	(1.027)	642314	4.00000	4
	50 2,4-Dinitrotoluene	165	8.356	8.356	(1.025)	146762	4.00000	4
	51 4-Nitrophenol	109	8.308	8.308	(1.020)	114080	10.0000	10
	52 Fluorene	166	8.730	8.730	(1.071)	510360	4.00000	4
	53 4-Chlorophenyl-phenylether	204	8.742	8.742	(1.073)	251769	4.00000	4
	54 Diethylphthalate	149	8.635	8.635	(1.060)	482966	4.00000	4
	55 4-Nitroaniline	138	8.754	8.754	(1.074)	113902	4.00000	4
$	56 2,4,6-Tribromophenol	330	8.985	8.985	(1.103)	157966	10.0000	9
*	57 Phenanthrene-d10	188	9.721	9.721	(1.000)	3268536	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.789	8.789	(0.904)	159235	10.0000	10
	59 N-Nitrosodiphenylamine (1)	169	8.866	8.866	(0.912)	358454	4.00000	4
	60 1,2-Diphenylhydrazine	77	8.902	8.902	(0.916)	518163	4.00000	4
	61 4-Bromophenyl-phenylether	248	9.252	9.252	(0.952)	138259	4.00000	4
	131 Atrazine	200	9.442	9.442	(0.971)	119121	4.00000	4
	62 Hexachlorobenzene	284	9.317	9.317	(0.958)	149797	4.00000	4
	63 Pentachlorophenol	266	9.531	9.531	(0.980)	127493	10.0000	11
	64 Phenanthrene	178	9.745	9.745	(1.002)	720873	4.00000	4
	65 Carbazole	167	9.970	9.970	(1.026)	669922	4.00000	4
	66 Anthracene	178	9.798	9.798	(1.008)	719401	4.00000	4
	67 Di-n-butylphthalate	149	10.368	10.368	(1.067)	785335	4.00000	4
	68 Fluoranthene	202	11.003	11.003	(1.132)	754112	4.00000	4
*	70 Chrysene-d12	240	12.629	12.629	(1.000)	3043710	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
72	Pyrene	202	11.240	11.240	(0.890)	785320	4.00000	4
$ 73	Terphenyl-d14	244	11.419	11.419	(0.904)	500678	4.00000	4
74	Butylbenzylphthalate	149	11.953	11.953	(0.946)	275236	4.00000	3
75	3,3'-Dichlorobenzidine	252	12.588	12.588	(0.997)	167194	4.00000	4
76	Benzo(a)anthracene	228	12.612	12.612	(0.999)	653900	4.00000	4
77	Chrysene	228	12.659	12.659	(1.002)	639557	4.00000	4
78	Bis(2-Ethylhexyl)phthalate	149	12.677	12.677	(1.004)	262513	4.00000	3
* 79	Perylene-d12	264	14.867	14.867	(1.000)	1931344	20.0000	
80	Di-n-octylphthalate	149	13.615	13.615	(0.916)	216458	4.00000	5
81	Benzo(b)fluoranthene	252	14.202	14.202	(0.955)	434408	4.00000	3
82	Benzo(k)fluoranthene	252	14.250	14.250	(0.958)	466978	4.00000	4
83	Benzo(a)pyrene	252	14.760	14.760	(0.993)	331417	4.00000	4
84	Indeno(1,2,3-cd)pyrene	276	16.903	16.903	(1.137)	153544	4.00000	5
85	Dibenzo(a,h)anthracene	278	16.956	16.956	(1.141)	137481	4.00000	5
86	Benzo(g,h,i)perylene	276	17.437	17.437	(1.173)	158514	4.00000	5
167	Simazine	201	9.406	9.406	(0.968)	77727	4.00000	5(H)
103	1,2,4,5-Tetrachlorobenzene	216	7.228	7.228	(0.887)	103252	5.00000	4
109	2,3,4,6-Tetrachlorophenol	232	8.504	8.504	(1.044)	101207	5.00000	5
119	Pentachloronitrobenzene	237	9.549	9.549	(0.982)	58139	5.00000	4

QC Flag Legend

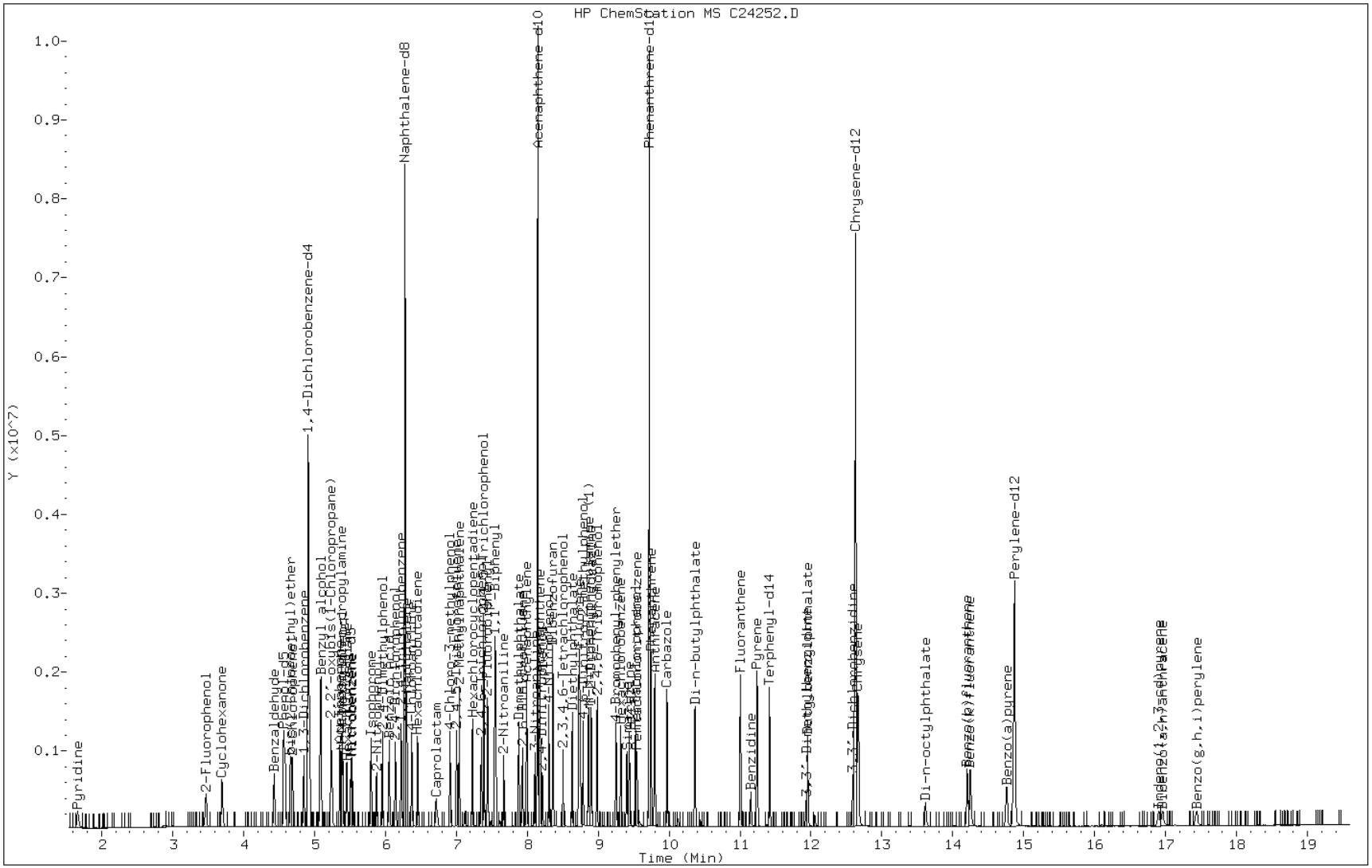
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: C24252.D

Date: 14-JUL-2011 13:06

Client ID: IC-635514 Instrument: msc.i

Sample Info: IC-635514 Operator: S.Jonas



Manual Integration Report

Data File: C24252.D
Inj. Date and Time: 14-JUL-2011 13:06
Instrument ID: msc.i
Client ID: IC-635514
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 07/15/2011

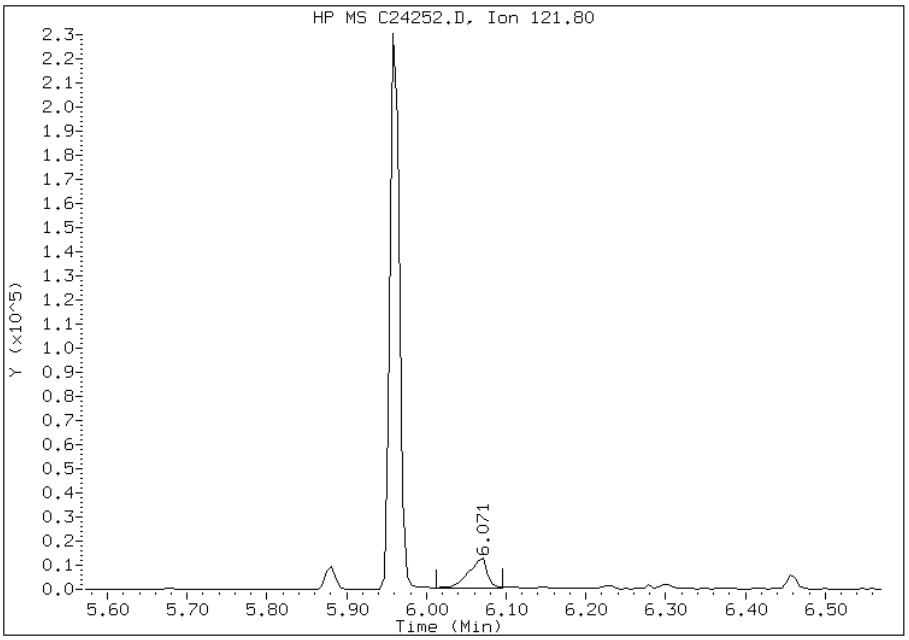
Processing Integration Results

RT: 6.07

Response: 20988

Amount: 1

Conc: 1



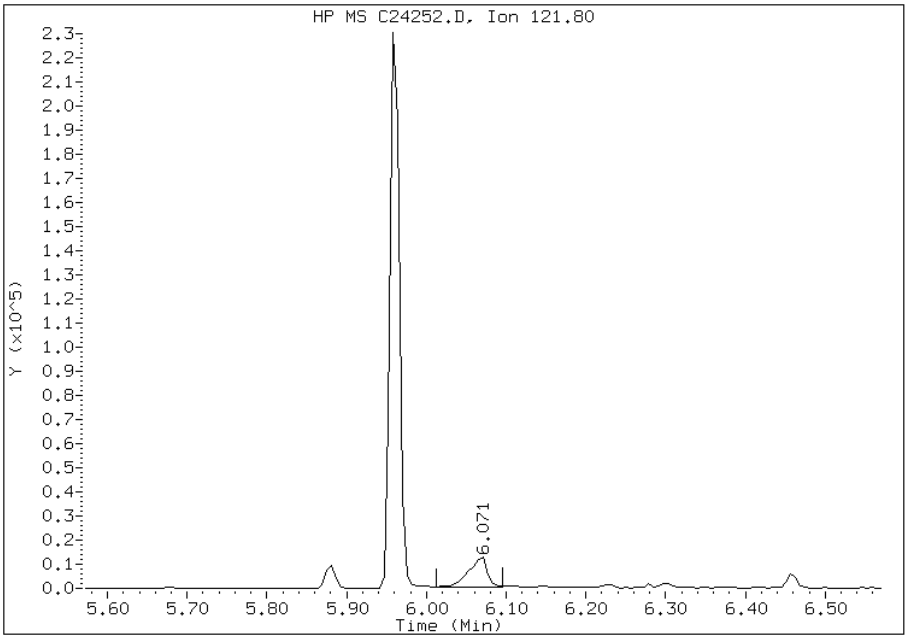
Manual Integration Results

RT: 6.07

Response: 20988

Amount: 14

Conc: 14



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

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124248.b\C24253.D
Lab Smp Id: IC-635515 Client Smp ID: IC-635515
Inj Date : 14-JUL-2011 13:36
Operator : S.Jonas Inst ID: msc.i
Smp Info : IC-635515
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124248.b\MSC-8270C.m
Meth Date : 15-Jul-2011 08:47 conbna Quant Type: ISTD
Cal Date : 14-JUL-2011 13:36 Cal File: C24253.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.913	4.913	(1.000)	799996	20.0000	
$ 2	2-Fluorophenol	112	3.471	3.471	(0.706)	451439	10.0000	10
$ 3	Phenol-d5	99	4.575	4.575	(0.931)	606805	10.0000	10
4	Pyridine	52	1.661	1.661	(0.338)	159964	10.0000	10
5	N-Nitrosodimethylamine	42	1.649	1.649	(0.336)	123073	10.0000	10
6	Cyclohexanone	42	3.697	3.697	(0.752)	321093	10.0000	11
128	Benzaldehyde	77	4.433	4.433	(0.902)	346796	10.0000	16
7	Phenol	94	4.593	4.593	(0.935)	676824	10.0000	10
8	Aniline	93	4.563	4.563	(0.929)	746784	10.0000	10
9	bis(2-Chloroethyl)ether	63	4.658	4.658	(0.948)	448093	10.0000	10
10	2-Chlorophenol	128	4.694	4.694	(0.955)	565383	10.0000	10
11	1,3-Dichlorobenzene	146	4.854	4.854	(0.988)	628115	10.0000	10
12	1,4-Dichlorobenzene	146	4.931	4.931	(1.004)	655976	10.0000	10
13	Benzyl alcohol	108	5.092	5.092	(1.036)	348619	10.0000	10
14	1,2-Dichlorobenzene	146	5.097	5.097	(1.037)	624785	10.0000	10
15	2,2'-oxybis(1-Chloropropane)	45	5.246	5.246	(1.068)	991877	10.0000	10
16	2-Methylphenol	108	5.234	5.234	(1.065)	503767	10.0000	10
92	Acetophenone	105	5.365	5.365	(1.092)	679848	10.0000	10
17	Hexachloroethane	117	5.459	5.459	(1.111)	264147	10.0000	10
18	N-Nitroso-di-n-propylamine	70	5.382	5.382	(1.095)	396755	10.0000	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.400	5.400	(1.099)	523142	10.0000	10
*	20 Naphthalene-d8	136	6.279	6.279	(1.000)	3202627	20.0000	
$	21 Nitrobenzene-d5	82	5.513	5.513	(0.878)	553536	10.0000	10
	22 Nitrobenzene	77	5.537	5.537	(0.882)	567555	10.0000	10
	23 Isophorone	82	5.798	5.798	(0.923)	1028697	10.0000	10
	24 2-Nitrophenol	139	5.881	5.881	(0.937)	317748	10.0000	10
	25 2,4-Dimethylphenol	122	5.964	5.964	(0.950)	474082	10.0000	10
	26 Benzoic Acid	122	6.112	6.112	(0.974)	333624	25.0000	23
	27 Bis(2-Chloroethoxy)methane	93	6.053	6.053	(0.964)	654314	10.0000	10
	28 2,4-Dichlorophenol	162	6.142	6.142	(0.978)	478270	10.0000	10
	29 1,2,4-Trichlorobenzene	180	6.225	6.225	(0.991)	532266	10.0000	10
	30 Naphthalene	128	6.302	6.302	(1.004)	1704058	10.0000	11
	31 4-Chloroaniline	127	6.374	6.374	(1.015)	686357	10.0000	10
	32 Hexachlorobutadiene	225	6.463	6.463	(1.029)	320044	10.0000	10
	129 Caprolactam	113	6.742	6.742	(1.074)	140765	10.0000	11(M)
	33 4-Chloro-3-methylphenol	107	6.914	6.914	(1.101)	471539	10.0000	10
	34 2-Methylnaphthalene	142	7.044	7.044	(1.122)	1137307	10.0000	10
*	35 Acenaphthene-d10	164	8.148	8.148	(1.000)	1932975	20.0000	
	36 2,4,5-Trichlorotoluene	159	7.009	7.009	(1.426)	469483	10.0000	10
	37 Hexachlorocyclopentadiene	237	7.228	7.228	(0.887)	307405	10.0000	10
	38 2,4,6-Trichlorophenol	196	7.359	7.359	(0.903)	344261	10.0000	10
	39 2,4,5-Trichlorophenol	196	7.394	7.394	(0.907)	887020	25.0000	25
$	40 2-Fluorobiphenyl	172	7.448	7.448	(0.914)	1194153	10.0000	10
	130 1,1'-Biphenyl	154	7.549	7.549	(0.926)	1368798	10.0000	11
	41 2-Chloronaphthalene	162	7.555	7.555	(0.927)	1071638	10.0000	10
	42 2-Nitroaniline	65	7.673	7.673	(0.942)	323953	10.0000	10
	43 Acenaphthylene	152	7.994	7.994	(0.981)	1796834	10.0000	11
	44 Dimethylphthalate	163	7.887	7.887	(0.968)	1160191	10.0000	10
	45 2,6-Dinitrotoluene	165	7.935	7.935	(0.974)	272648	10.0000	10
	46 Acenaphthene	153	8.184	8.184	(1.004)	1115892	10.0000	10
	47 3-Nitroaniline	138	8.113	8.113	(0.996)	312365	10.0000	10
	48 2,4-Dinitrophenol	184	8.219	8.219	(1.009)	331521	25.0000	23
	49 Dibenzofuran	168	8.368	8.368	(1.027)	1581702	10.0000	10
	50 2,4-Dinitrotoluene	165	8.362	8.362	(1.026)	378109	10.0000	10
	51 4-Nitrophenol	109	8.314	8.314	(1.020)	320271	25.0000	24
	52 Fluorene	166	8.730	8.730	(1.071)	1279336	10.0000	10
	53 4-Chlorophenyl-phenylether	204	8.742	8.742	(1.073)	619488	10.0000	10
	54 Diethylphthalate	149	8.641	8.641	(1.060)	1186855	10.0000	10
	55 4-Nitroaniline	138	8.760	8.760	(1.075)	304807	10.0000	10
$	56 2,4,6-Tribromophenol	330	8.985	8.985	(1.103)	420971	25.0000	25
*	57 Phenanthrene-d10	188	9.721	9.721	(1.000)	3196425	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.795	8.795	(0.905)	505014	25.0000	24
	59 N-Nitrosodiphenylamine (1)	169	8.866	8.866	(0.912)	901900	10.0000	10
	60 1,2-Diphenylhydrazine	77	8.908	8.908	(0.916)	1289293	10.0000	10
	61 4-Bromophenyl-phenylether	248	9.258	9.258	(0.952)	352196	10.0000	10
	131 Atrazine	200	9.448	9.448	(0.972)	290865	10.0000	9
	62 Hexachlorobenzene	284	9.323	9.323	(0.959)	373936	10.0000	10
	63 Pentachlorophenol	266	9.531	9.531	(0.980)	439422	25.0000	23
	64 Phenanthrene	178	9.745	9.745	(1.002)	1761549	10.0000	11
	65 Carbazole	167	9.976	9.976	(1.026)	1657417	10.0000	10
	66 Anthracene	178	9.798	9.798	(1.008)	1794303	10.0000	11
	67 Di-n-butylphthalate	149	10.368	10.368	(1.067)	2015035	10.0000	10
	68 Fluoranthene	202	11.003	11.003	(1.132)	1905498	10.0000	11
*	70 Chrysene-d12	240	12.629	12.629	(1.000)	2943591	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
71	Benzidine	184	11.151	11.151	(0.883)	455352	10.0000	9
72	Pyrene	202	11.246	11.246	(0.891)	1964729	10.0000	10
$ 73	Terphenyl-d14	244	11.419	11.419	(0.904)	1265584	10.0000	10
74	Butylbenzylphthalate	149	11.953	11.953	(0.946)	741608	10.0000	10
124	3,3'-Dimethylbenzidine	212	11.935	11.935	(0.945)	386845	10.0000	8
75	3,3'-Dichlorobenzidine	252	12.588	12.588	(0.997)	450389	10.0000	10
76	Benzo(a)anthracene	228	12.617	12.617	(0.999)	1621303	10.0000	10
77	Chrysene	228	12.665	12.665	(1.003)	1554431	10.0000	10
78	Bis(2-Ethylhexyl)phthalate	149	12.677	12.677	(1.004)	744217	10.0000	9
* 79	Perylene-d12	264	14.867	14.867	(1.000)	1815119	20.0000	
80	Di-n-octylphthalate	149	13.615	13.615	(0.916)	678089	10.0000	9
81	Benzo(b)fluoranthene	252	14.208	14.208	(0.956)	1081678	10.0000	9
82	Benzo(k)fluoranthene	252	14.250	14.250	(0.958)	1197267	10.0000	10
83	Benzo(a)pyrene	252	14.760	14.760	(0.993)	839849	10.0000	10
84	Indeno(1,2,3-cd)pyrene	276	16.903	16.903	(1.137)	395220	10.0000	10
85	Dibenzo(a,h)anthracene	278	16.956	16.956	(1.141)	373001	10.0000	10
86	Benzo(g,h,i)perylene	276	17.437	17.437	(1.173)	388316	10.0000	10
167	Simazine	201	9.412	9.412	(0.968)	193973	10.0000	11(H)
103	1,2,4,5-Tetrachlorobenzene	216	7.228	7.228	(0.887)	259407	10.0000	10
109	2,3,4,6-Tetrachlorophenol	232	8.504	8.504	(1.044)	288686	10.0000	11
119	Pentachloronitrobenzene	237	9.549	9.549	(0.982)	150608	10.0000	11

QC Flag Legend

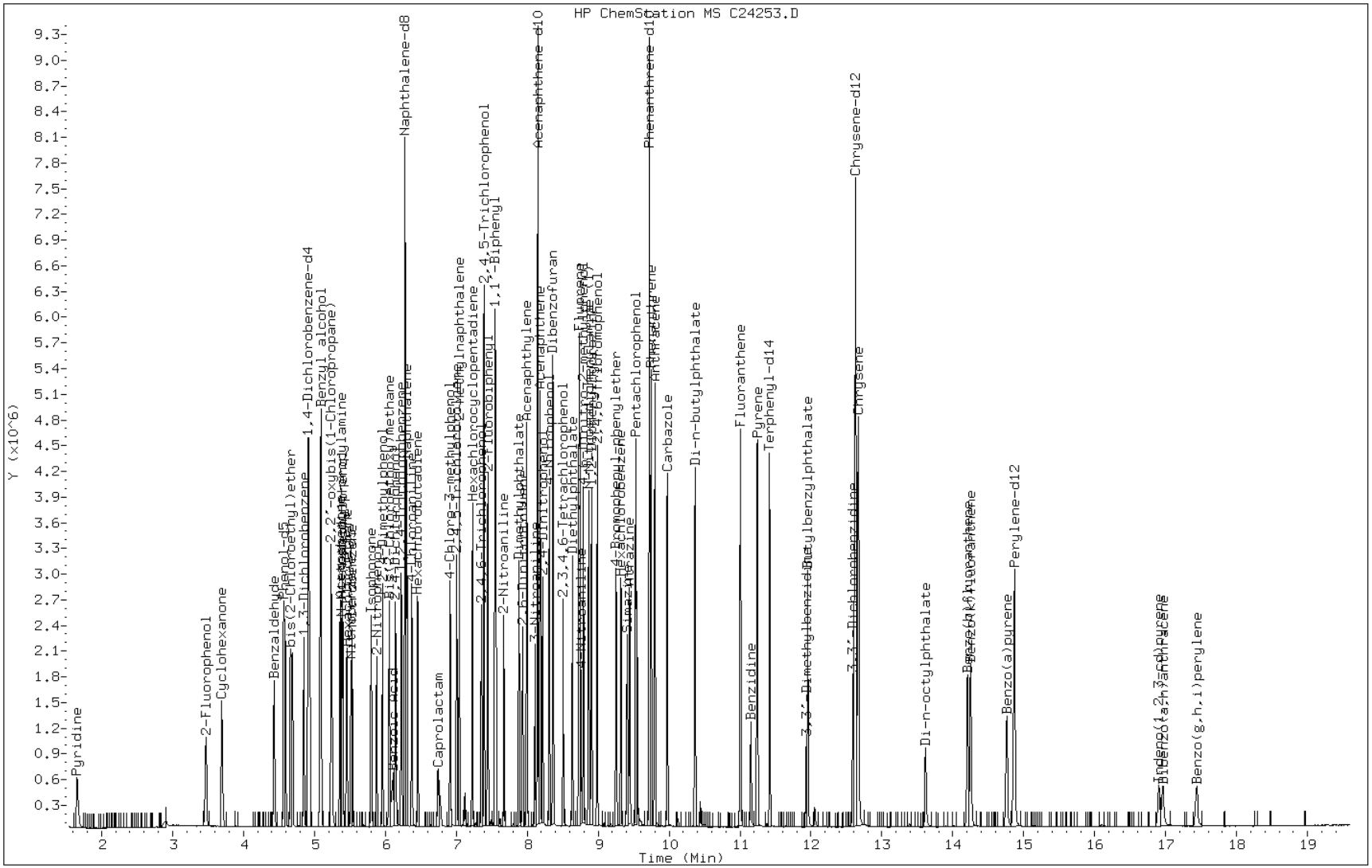
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: C24253.D

Date: 14-JUL-2011 13:36

Client ID: IC-635515 Instrument: msc.i

Sample Info: IC-635515 Operator: S.Jonas



Manual Integration Report

Data File: C24253.D
Inj. Date and Time: 14-JUL-2011 13:36
Instrument ID: msc.i
Client ID: IC-635515
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 07/15/2011

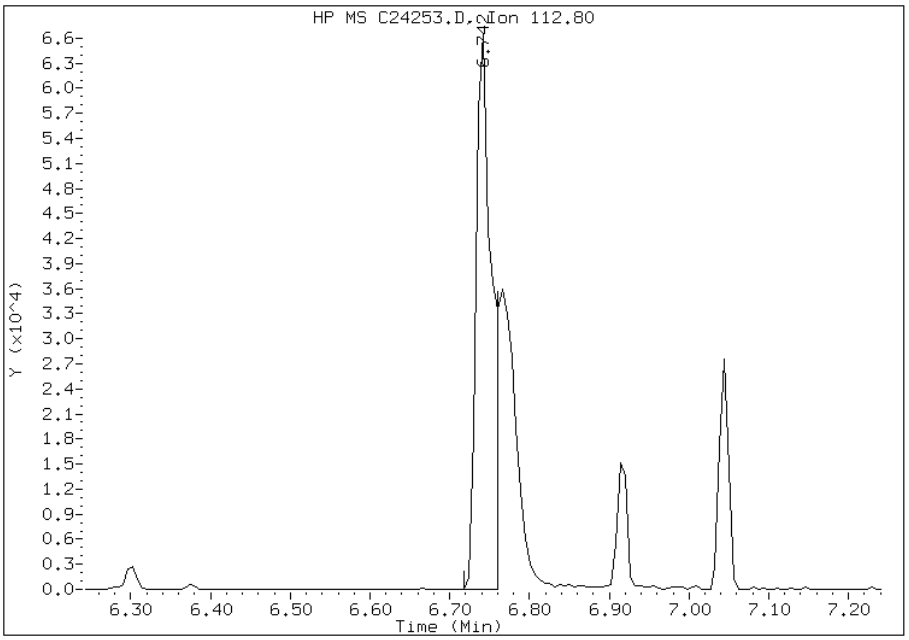
Processing Integration Results

RT: 6.74

Response: 91554

Amount: 7

Conc: 7



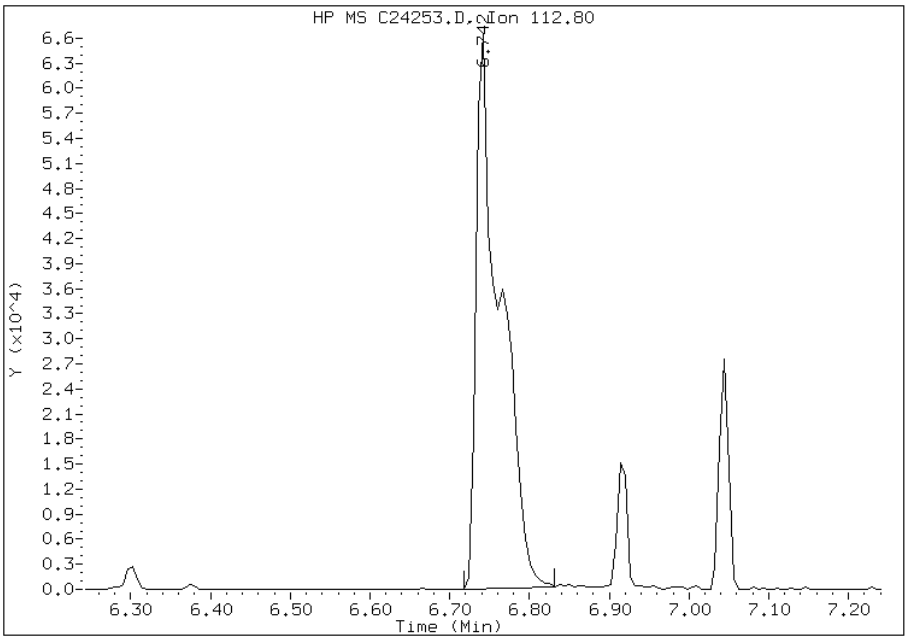
Manual Integration Results

RT: 6.74

Response: 140765

Amount: 11

Conc: 11



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

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124248.b\C24254.D
Lab Smp Id: IC-635516 Client Smp ID: IC-635516
Inj Date : 14-JUL-2011 14:07
Operator : S.Jonas Inst ID: msc.i
Smp Info : IC-635516
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124248.b\MSC-8270C.m
Meth Date : 15-Jul-2011 08:47 conbna Quant Type: ISTD
Cal Date : 14-JUL-2011 14:07 Cal File: C24254.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.914	4.914	(1.000)	785855	20.0000	
$ 2	2-Fluorophenol	112	3.471	3.471	(0.707)	939507	20.0000	21
$ 3	Phenol-d5	99	4.581	4.581	(0.932)	1263693	20.0000	21
4	Pyridine	52	1.661	1.661	(0.338)	330326	20.0000	20
5	N-Nitrosodimethylamine	42	1.649	1.649	(0.336)	254823	20.0000	21
6	Cyclohexanone	42	3.697	3.697	(0.752)	612467	20.0000	21
128	Benzaldehyde	77	4.433	4.433	(0.902)	625011	20.0000	29
7	Phenol	94	4.593	4.593	(0.935)	1390248	20.0000	20
8	Aniline	93	4.569	4.569	(0.930)	1464270	20.0000	21
9	bis(2-Chloroethyl)ether	63	4.664	4.664	(0.949)	920971	20.0000	21
10	2-Chlorophenol	128	4.694	4.694	(0.955)	1170090	20.0000	21
11	1,3-Dichlorobenzene	146	4.854	4.854	(0.988)	1320950	20.0000	21
12	1,4-Dichlorobenzene	146	4.931	4.931	(1.004)	1355040	20.0000	21
13	Benzyl alcohol	108	5.092	5.092	(1.036)	719491	20.0000	21
14	1,2-Dichlorobenzene	146	5.098	5.098	(1.037)	1293719	20.0000	21
15	2,2'-oxybis(1-Chloropropane)	45	5.246	5.246	(1.068)	2011480	20.0000	21
16	2-Methylphenol	108	5.240	5.240	(1.066)	1020199	20.0000	21
92	Acetophenone	105	5.365	5.365	(1.092)	1405595	20.0000	21
17	Hexachloroethane	117	5.454	5.454	(1.110)	552508	20.0000	21
18	N-Nitroso-di-n-propylamine	70	5.388	5.388	(1.097)	838198	20.0000	21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.406	5.406	(1.100)	1106654	20.0000	21
*	20 Naphthalene-d8	136	6.279	6.279	(1.000)	3255755	20.0000	
$	21 Nitrobenzene-d5	82	5.519	5.519	(0.879)	1159902	20.0000	21
	22 Nitrobenzene	77	5.537	5.537	(0.882)	1185271	20.0000	20
	23 Isophorone	82	5.804	5.804	(0.924)	2170962	20.0000	21
	24 2-Nitrophenol	139	5.881	5.881	(0.937)	673710	20.0000	21
	25 2,4-Dimethylphenol	122	5.964	5.964	(0.950)	1025355	20.0000	21
	26 Benzoic Acid	122	6.130	6.130	(0.976)	643866	30.0000	31
	27 Bis(2-Chloroethoxy)methane	93	6.059	6.059	(0.965)	1363250	20.0000	21
	28 2,4-Dichlorophenol	162	6.148	6.148	(0.979)	997327	20.0000	21
	29 1,2,4-Trichlorobenzene	180	6.225	6.225	(0.991)	1123917	20.0000	21
	30 Naphthalene	128	6.302	6.302	(1.004)	3443801	20.0000	21
	31 4-Chloroaniline	127	6.374	6.374	(1.015)	1410610	20.0000	21
	32 Hexachlorobutadiene	225	6.457	6.457	(1.028)	655948	20.0000	21
	129 Caprolactam	113	6.765	6.765	(1.078)	314057	20.0000	23(M)
	33 4-Chloro-3-methylphenol	107	6.920	6.920	(1.102)	982661	20.0000	21
	34 2-Methylnaphthalene	142	7.044	7.044	(1.122)	2329997	20.0000	21
*	35 Acenaphthene-d10	164	8.148	8.148	(1.000)	1951931	20.0000	
	36 2,4,5-Trichlorotoluene	159	7.009	7.009	(1.426)	974353	20.0000	21
	37 Hexachlorocyclopentadiene	237	7.228	7.228	(0.887)	678840	20.0000	22
	38 2,4,6-Trichlorophenol	196	7.359	7.359	(0.903)	729352	20.0000	21
	39 2,4,5-Trichlorophenol	196	7.395	7.395	(0.907)	1113385	30.0000	31
$	40 2-Fluorobiphenyl	172	7.448	7.448	(0.914)	2476108	20.0000	21
	130 1,1'-Biphenyl	154	7.549	7.549	(0.926)	2783079	20.0000	21
	41 2-Chloronaphthalene	162	7.561	7.561	(0.928)	2201043	20.0000	21
	42 2-Nitroaniline	65	7.674	7.674	(0.942)	685829	20.0000	21
	43 Acenaphthylene	152	7.994	7.994	(0.981)	3681727	20.0000	22
	44 Dimethylphthalate	163	7.887	7.887	(0.968)	2443480	20.0000	21
	45 2,6-Dinitrotoluene	165	7.941	7.941	(0.975)	592708	20.0000	21
	46 Acenaphthene	153	8.184	8.184	(1.004)	2258483	20.0000	20
	47 3-Nitroaniline	138	8.113	8.113	(0.996)	684106	20.0000	21
	48 2,4-Dinitrophenol	184	8.226	8.226	(1.009)	452576	30.0000	29
	49 Dibenzofuran	168	8.368	8.368	(1.027)	3251136	20.0000	21
	50 2,4-Dinitrotoluene	165	8.368	8.368	(1.027)	801897	20.0000	21
	51 4-Nitrophenol	109	8.320	8.320	(1.021)	419373	30.0000	30
	52 Fluorene	166	8.730	8.730	(1.071)	2643228	20.0000	21
	53 4-Chlorophenyl-phenylether	204	8.742	8.742	(1.073)	1291248	20.0000	21
	54 Diethylphthalate	149	8.641	8.641	(1.060)	2544694	20.0000	21
	55 4-Nitroaniline	138	8.766	8.766	(1.076)	654530	20.0000	21
$	56 2,4,6-Tribromophenol	330	8.991	8.991	(1.103)	525391	30.0000	31
*	57 Phenanthrene-d10	188	9.721	9.721	(1.000)	3297212	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.801	8.801	(0.905)	663550	30.0000	30
	59 N-Nitrosodiphenylamine (1)	169	8.867	8.867	(0.912)	1894102	20.0000	21
	60 1,2-Diphenylhydrazine	77	8.908	8.908	(0.916)	2692746	20.0000	21
	61 4-Bromophenyl-phenylether	248	9.258	9.258	(0.952)	746566	20.0000	21
	131 Atrazine	200	9.454	9.454	(0.973)	610695	20.0000	19
	62 Hexachlorobenzene	284	9.324	9.324	(0.959)	790129	20.0000	20
	63 Pentachlorophenol	266	9.531	9.531	(0.980)	610844	30.0000	29
	64 Phenanthrene	178	9.751	9.751	(1.003)	3640702	20.0000	21
	65 Carbazole	167	9.976	9.976	(1.026)	3465300	20.0000	21
	66 Anthracene	178	9.804	9.804	(1.009)	3703355	20.0000	21
	67 Di-n-butylphthalate	149	10.368	10.368	(1.067)	4273303	20.0000	22
	68 Fluoranthene	202	11.009	11.009	(1.132)	3985257	20.0000	22
*	70 Chrysene-d12	240	12.635	12.635	(1.000)	2971854	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
71	Benzidine	184	11.152	11.152	(0.883)	930246	20.0000	19
72	Pyrene	202	11.247	11.247	(0.890)	4031820	20.0000	21
$ 73	Terphenyl-d14	244	11.419	11.419	(0.904)	2662626	20.0000	20
74	Butylbenzylphthalate	149	11.959	11.959	(0.946)	1635562	20.0000	21
124	3,3'-Dimethylbenzidine	212	11.935	11.935	(0.945)	847690	20.0000	19
75	3,3'-Dichlorobenzidine	252	12.588	12.588	(0.996)	977748	20.0000	22
76	Benzo(a)anthracene	228	12.618	12.618	(0.999)	3327975	20.0000	20
77	Chrysene	228	12.665	12.665	(1.002)	3220349	20.0000	21
78	Bis(2-Ethylhexyl)phthalate	149	12.677	12.677	(1.003)	1729053	20.0000	20
* 79	Perylene-d12	264	14.867	14.867	(1.000)	1678088	20.0000	
80	Di-n-octylphthalate	149	13.615	13.615	(0.916)	1669049	20.0000	18
81	Benzo(b)fluoranthene	252	14.208	14.208	(0.956)	2220819	20.0000	20
82	Benzo(k)fluoranthene	252	14.256	14.256	(0.959)	2284459	20.0000	20
83	Benzo(a)pyrene	252	14.760	14.760	(0.993)	1647190	20.0000	21
84	Indeno(1,2,3-cd)pyrene	276	16.903	16.903	(1.137)	732161	20.0000	18
85	Dibenzo(a,h)anthracene	278	16.956	16.956	(1.141)	725002	20.0000	18
86	Benzo(g,h,i)perylene	276	17.437	17.437	(1.173)	749002	20.0000	18
167	Simazine	201	9.419	9.419	(0.969)	416457	20.0000	20(H)
103	1,2,4,5-Tetrachlorobenzene	216	7.228	7.228	(0.887)	545204	25.0000	22
109	2,3,4,6-Tetrachlorophenol	232	8.510	8.510	(1.044)	600981	25.0000	21
119	Pentachloronitrobenzene	237	9.549	9.549	(0.982)	317373	25.0000	22

QC Flag Legend

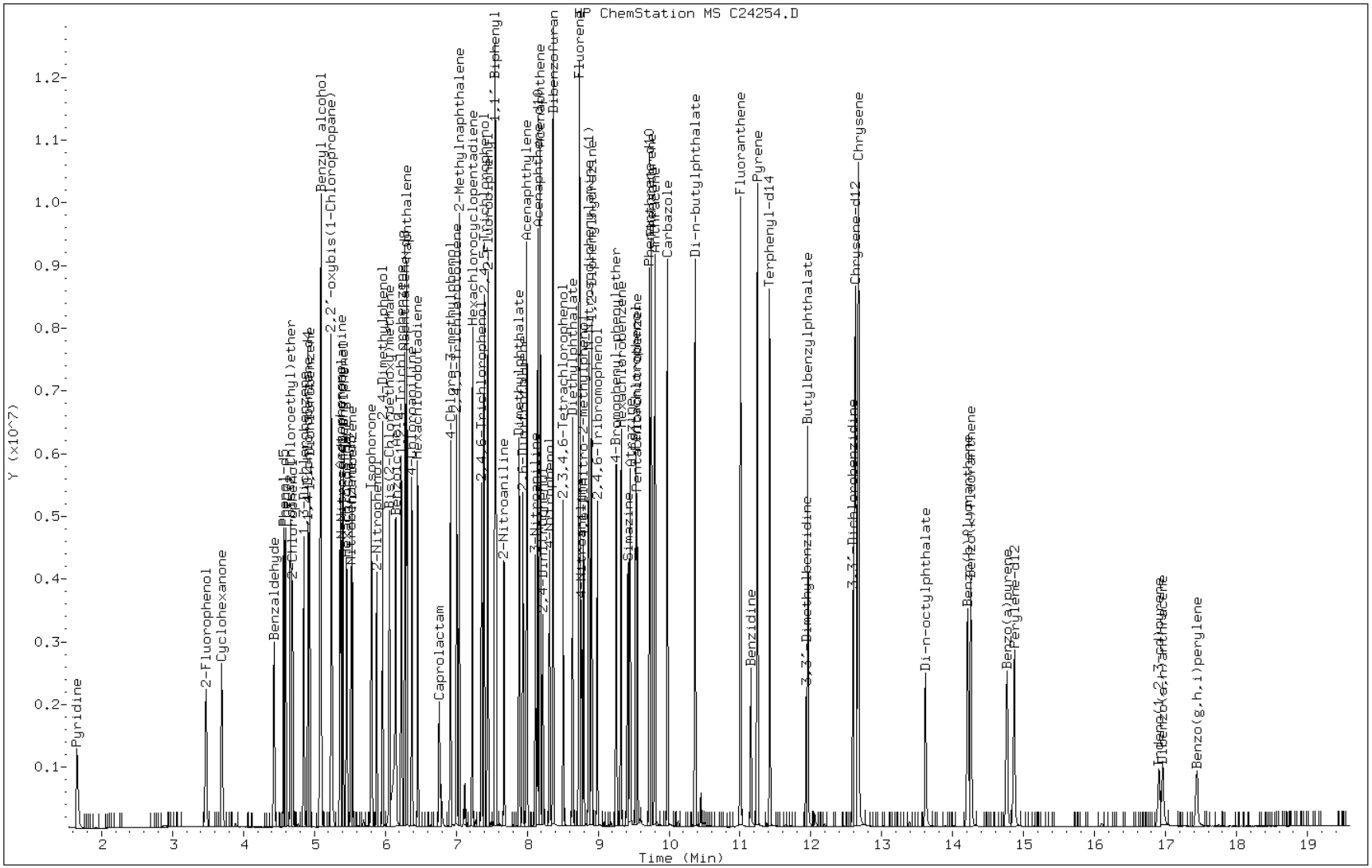
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: C24254.D

Date: 14-JUL-2011 14:07

Client ID: IC-635516 Instrument: msc.i

Sample Info: IC-635516 Operator: S.Jonas



Manual Integration Report

Data File: C24254.D
Inj. Date and Time: 14-JUL-2011 14:07
Instrument ID: msc.i
Client ID: IC-635516
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 07/15/2011

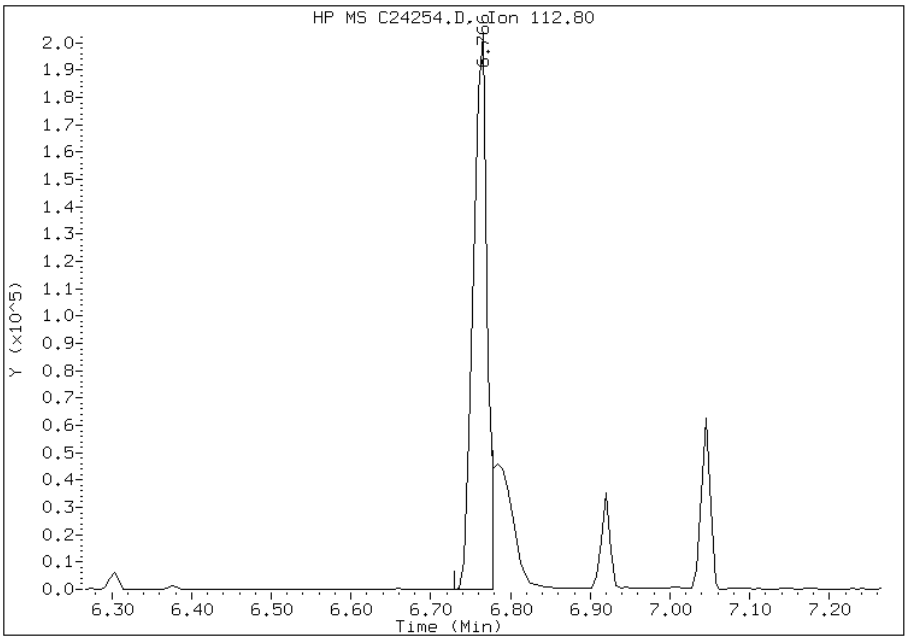
Processing Integration Results

RT: 6.77

Response: 247730

Amount: 18

Conc: 18



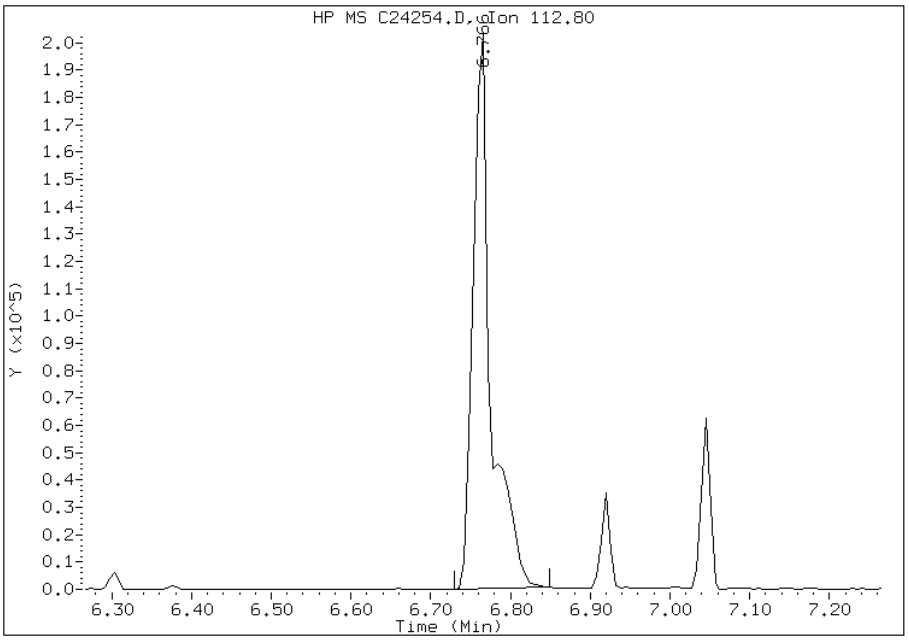
Manual Integration Results

RT: 6.77

Response: 314057

Amount: 23

Conc: 23



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

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124248.b\C24255.D
Lab Smp Id: IC-635517 Client Smp ID: IC-635517
Inj Date : 14-JUL-2011 14:37
Operator : S.Jonas Inst ID: msc.i
Smp Info : IC-635517
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124248.b\MSC-8270C.m
Meth Date : 15-Jul-2011 08:47 conbna Quant Type: ISTD
Cal Date : 14-JUL-2011 14:37 Cal File: C24255.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.920	4.920	(1.000)	786148	20.0000	
$ 2	2-Fluorophenol	112	3.477	3.477	(0.707)	2723105	60.0000	61
$ 3	Phenol-d5	99	4.599	4.599	(0.935)	3583724	60.0000	60
4	Pyridine	52	1.661	1.661	(0.338)	997154	60.0000	61
5	N-Nitrosodimethylamine	42	1.655	1.655	(0.337)	753437	60.0000	61
6	Cyclohexanone	42	3.697	3.697	(0.751)	1338561	60.0000	45
128	Benzaldehyde	77	4.433	4.433	(0.901)	839518	60.0000	39
7	Phenol	94	4.617	4.617	(0.938)	4212166	60.0000	62
8	Aniline	93	4.575	4.575	(0.930)	4167669	60.0000	58
9	bis(2-Chloroethyl)ether	63	4.670	4.670	(0.949)	2674516	60.0000	60
10	2-Chlorophenol	128	4.700	4.700	(0.955)	3348527	60.0000	60
11	1,3-Dichlorobenzene	146	4.854	4.854	(0.987)	3777096	60.0000	60
12	1,4-Dichlorobenzene	146	4.937	4.937	(1.004)	3858702	60.0000	59
13	Benzyl alcohol	108	5.109	5.109	(1.039)	2032282	60.0000	60
14	1,2-Dichlorobenzene	146	5.104	5.104	(1.037)	3523788	60.0000	58
15	2,2'-oxybis(1-Chloropropane)	45	5.252	5.252	(1.068)	5400381	60.0000	56
16	2-Methylphenol	108	5.252	5.252	(1.068)	2910380	60.0000	59
92	Acetophenone	105	5.383	5.383	(1.094)	4086330	60.0000	60
17	Hexachloroethane	117	5.460	5.460	(1.110)	1597411	60.0000	61
18	N-Nitroso-di-n-propylamine	70	5.406	5.406	(1.099)	2385552	60.0000	61

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.418	5.418	(1.101)	3129442	60.0000	60
*	20 Naphthalene-d8	136	6.285	6.285	(1.000)	3198655	20.0000	
$	21 Nitrobenzene-d5	82	5.531	5.531	(0.880)	3389925	60.0000	61
	22 Nitrobenzene	77	5.549	5.549	(0.883)	3451915	60.0000	61
	23 Isophorone	82	5.822	5.822	(0.926)	6322111	60.0000	61
	24 2-Nitrophenol	139	5.887	5.887	(0.937)	1991978	60.0000	63
	25 2,4-Dimethylphenol	122	5.976	5.976	(0.951)	3000243	60.0000	62
	26 Benzoic Acid	122	6.178	6.178	(0.983)	1659108	60.0000	59(M)
	27 Bis(2-Chloroethoxy)methane	93	6.071	6.071	(0.966)	3834972	60.0000	60
	28 2,4-Dichlorophenol	162	6.160	6.160	(0.980)	2876255	60.0000	62
	29 1,2,4-Trichlorobenzene	180	6.237	6.237	(0.992)	3202131	60.0000	60
	30 Naphthalene	128	6.308	6.308	(1.004)	8814376	60.0000	55
	31 4-Chloroaniline	127	6.386	6.386	(1.016)	3880961	60.0000	59
	32 Hexachlorobutadiene	225	6.463	6.463	(1.028)	1899516	60.0000	61
	129 Caprolactam	113	6.819	6.819	(1.085)	980277	60.0000	70(M)
	33 4-Chloro-3-methylphenol	107	6.938	6.938	(1.104)	2871464	60.0000	62
	34 2-Methylnaphthalene	142	7.056	7.056	(1.123)	6376907	60.0000	58
*	35 Acenaphthene-d10	164	8.154	8.154	(1.000)	1941696	20.0000	
	36 2,4,5-Trichlorotoluene	159	7.015	7.015	(1.426)	2815845	60.0000	61
	37 Hexachlorocyclopentadiene	237	7.234	7.234	(0.887)	1994764	60.0000	66
	38 2,4,6-Trichlorophenol	196	7.365	7.365	(0.903)	2141513	60.0000	62
	39 2,4,5-Trichlorophenol	196	7.406	7.406	(0.908)	2244878	60.0000	62
$	40 2-Fluorobiphenyl	172	7.454	7.454	(0.914)	6792354	60.0000	57
	130 1,1'-Biphenyl	154	7.555	7.555	(0.926)	7265598	60.0000	56
	41 2-Chloronaphthalene	162	7.567	7.567	(0.928)	6091568	60.0000	57
	42 2-Nitroaniline	65	7.691	7.691	(0.943)	2021212	60.0000	62
	43 Acenaphthylene	152	8.000	8.000	(0.981)	9187537	60.0000	54
	44 Dimethylphthalate	163	7.905	7.905	(0.969)	7079953	60.0000	60
	45 2,6-Dinitrotoluene	165	7.958	7.958	(0.976)	1761677	60.0000	62
	46 Acenaphthene	153	8.196	8.196	(1.005)	6293764	60.0000	57
	47 3-Nitroaniline	138	8.131	8.131	(0.997)	1993882	60.0000	62
	48 2,4-Dinitrophenol	184	8.237	8.237	(1.010)	1048012	60.0000	59
	49 Dibenzofuran	168	8.380	8.380	(1.028)	8659494	60.0000	57
	50 2,4-Dinitrotoluene	165	8.380	8.380	(1.028)	2313187	60.0000	61
	51 4-Nitrophenol	109	8.338	8.338	(1.023)	871562	60.0000	59
	52 Fluorene	166	8.742	8.742	(1.072)	7093403	60.0000	57
	53 4-Chlorophenyl-phenylether	204	8.748	8.748	(1.073)	3558853	60.0000	58
	54 Diethylphthalate	149	8.653	8.653	(1.061)	7186913	60.0000	59
	55 4-Nitroaniline	138	8.795	8.795	(1.079)	1926614	60.0000	62
$	56 2,4,6-Tribromophenol	330	8.997	8.997	(1.103)	1056844	60.0000	63
*	57 Phenanthrene-d10	188	9.727	9.727	(1.000)	3223070	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.819	8.819	(0.907)	1419657	60.0000	60
	59 N-Nitrosodiphenylamine (1)	169	8.884	8.884	(0.913)	5299555	60.0000	59
	60 1,2-Diphenylhydrazine	77	8.920	8.920	(0.917)	7453160	60.0000	59
	61 4-Bromophenyl-phenylether	248	9.264	9.264	(0.952)	2175667	60.0000	61
	131 Atrazine	200	9.472	9.472	(0.974)	2040011	60.0000	66
	62 Hexachlorobenzene	284	9.329	9.329	(0.959)	2276320	60.0000	60
	63 Pentachlorophenol	266	9.543	9.543	(0.981)	1364095	60.0000	60
	64 Phenanthrene	178	9.757	9.757	(1.003)	9589629	60.0000	57
	65 Carbazole	167	9.988	9.988	(1.027)	9150029	60.0000	57
	66 Anthracene	178	9.810	9.810	(1.009)	9334727	60.0000	55
	67 Di-n-butylphthalate	149	10.374	10.374	(1.067)	10161120	60.0000	52
	68 Fluoranthene	202	11.015	11.015	(1.132)	10066062	60.0000	56
*	70 Chrysene-d12	240	12.641	12.641	(1.000)	2614276	20.0000	

							AMOUNTS	
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
	71 Benzidine	184	11.158	11.158	(0.883)	1899921	60.0000	62
	72 Pyrene	202	11.258	11.258	(0.891)	10239828	60.0000	60
$	73 Terphenyl-d14	244	11.431	11.431	(0.904)	7092437	60.0000	62
	74 Butylbenzylphthalate	149	11.965	11.965	(0.946)	4599488	60.0000	67
	124 3,3'-Dimethylbenzidine	212	11.941	11.941	(0.945)	1675043	60.0000	66
	75 3,3'-Dichlorobenzidine	252	12.606	12.606	(0.997)	2390921	60.0000	62
	76 Benzo(a)anthracene	228	12.630	12.630	(0.999)	8783078	60.0000	61
	77 Chrysene	228	12.683	12.683	(1.003)	7893669	60.0000	58
	78 Bis(2-Ethylhexyl)phthalate	149	12.677	12.677	(1.003)	5119117	60.0000	68
*	79 Perylene-d12	264	14.867	14.867	(1.000)	1062956	20.0000	
	80 Di-n-octylphthalate	149	13.621	13.621	(0.916)	5177402	60.0000	62
	81 Benzo(b)fluoranthene	252	14.220	14.220	(0.956)	4743452	60.0000	69
	82 Benzo(k)fluoranthene	252	14.268	14.268	(0.960)	4709302	60.0000	65
	83 Benzo(a)pyrene	252	14.772	14.772	(0.994)	3279057	60.0000	65
	84 Indeno(1,2,3-cd)pyrene	276	16.921	16.921	(1.138)	2118409	60.0000	62
	85 Dibenzo(a,h)anthracene	278	16.974	16.974	(1.142)	2176956	60.0000	62
	86 Benzo(g,h,i)perylene	276	17.461	17.461	(1.174)	2329801	60.0000	63
	167 Simazine	201	9.442	9.442	(0.971)	1334897	60.0000	65
	103 1,2,4,5-Tetrachlorobenzene	216	7.234	7.234	(0.887)	1554364	60.0000	63
	109 2,3,4,6-Tetrachlorophenol	232	8.516	8.516	(1.044)	1826726	60.0000	60
	119 Pentachloronitrobenzene	237	9.561	9.561	(0.983)	916034	60.0000	65

QC Flag Legend

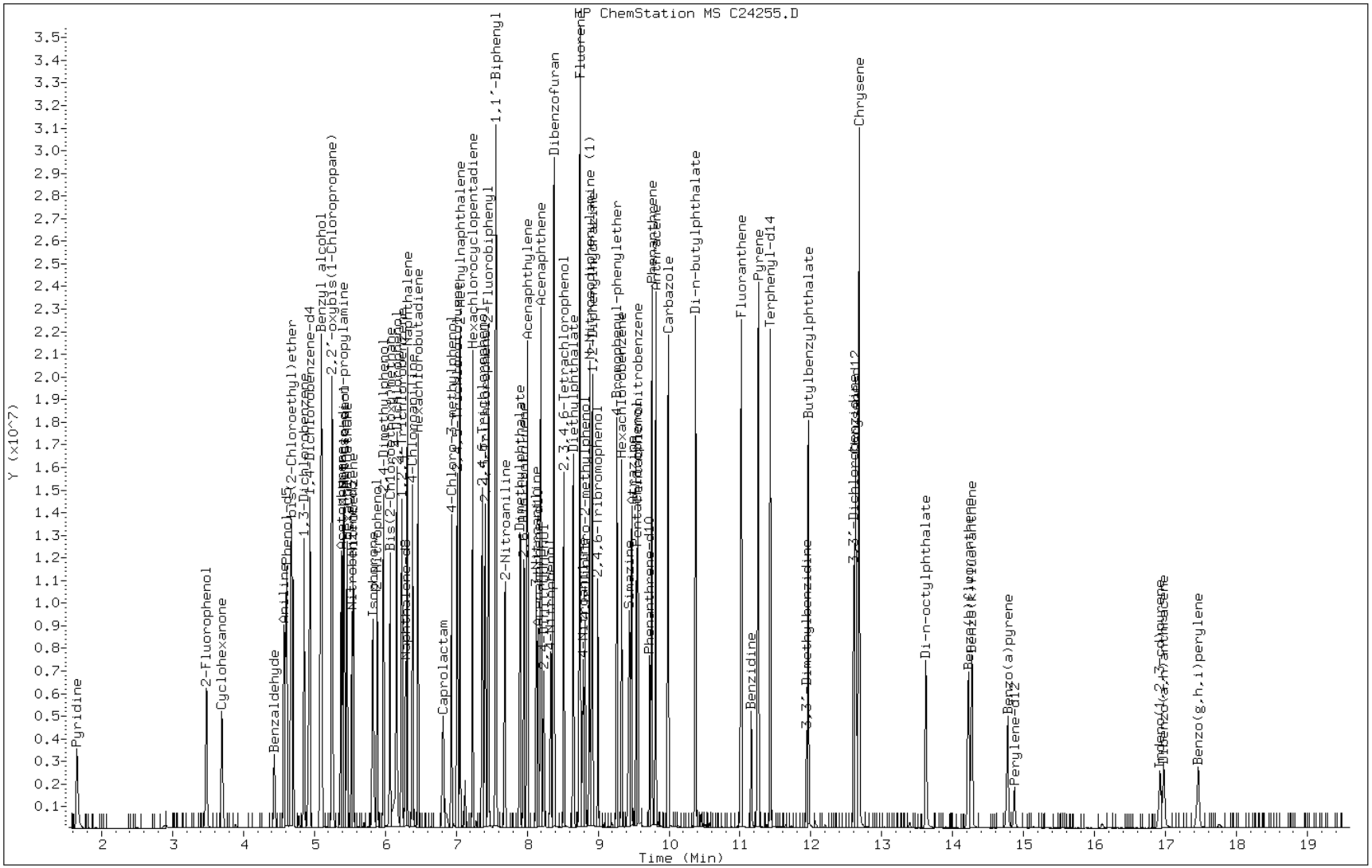
M - Compound response manually integrated.

Data File: C24255.D

Date: 14-JUL-2011 14:37

Client ID: IC-635517 Instrument: msc.i

Sample Info: IC-635517 Operator: S.Jonas



Manual Integration Report

Data File: C24255.D
Inj. Date and Time: 14-JUL-2011 14:37
Instrument ID: msc.i
Client ID: IC-635517
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 07/15/2011

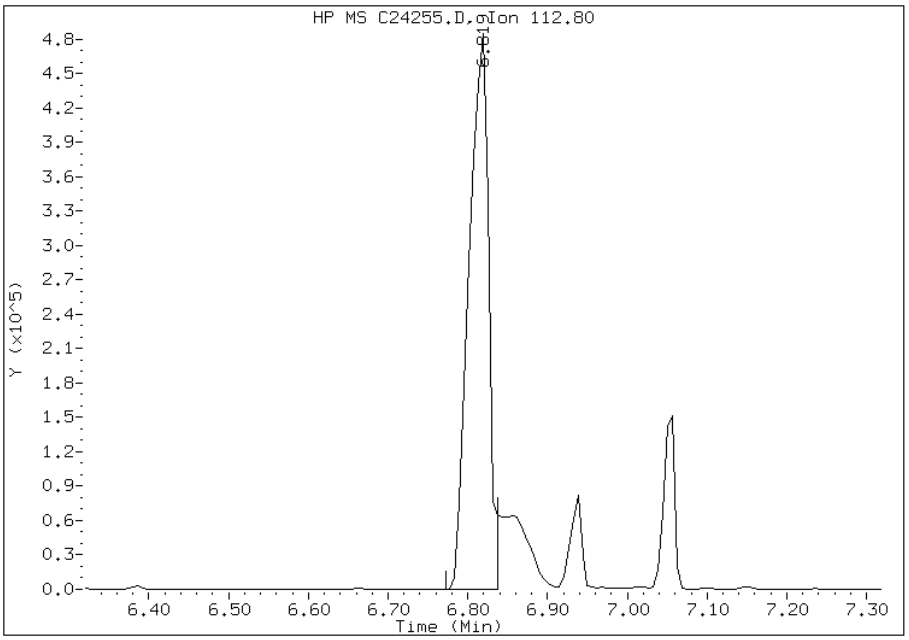
Processing Integration Results

RT: 6.82

Response: 831807

Amount: 61

Conc: 61



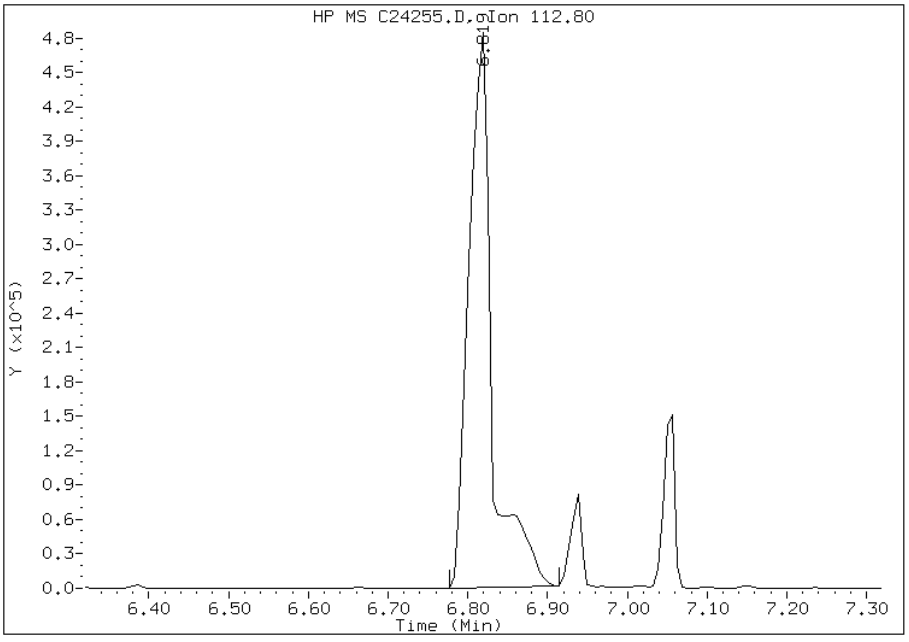
Manual Integration Results

RT: 6.82

Response: 980277

Amount: 70

Conc: 70



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

Manual Integration Report

Data File: C24255.D
Inj. Date and Time: 14-JUL-2011 14:37
Instrument ID: msc.i
Client ID: IC-635517
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 07/15/2011

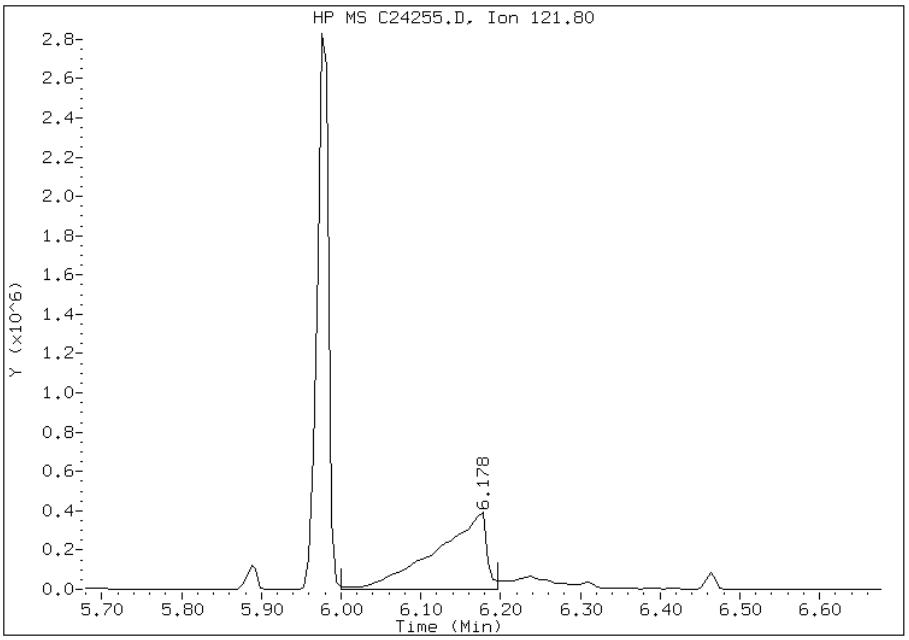
Processing Integration Results

RT: 6.18

Response: 1701037

Amount: 59

Conc: 59



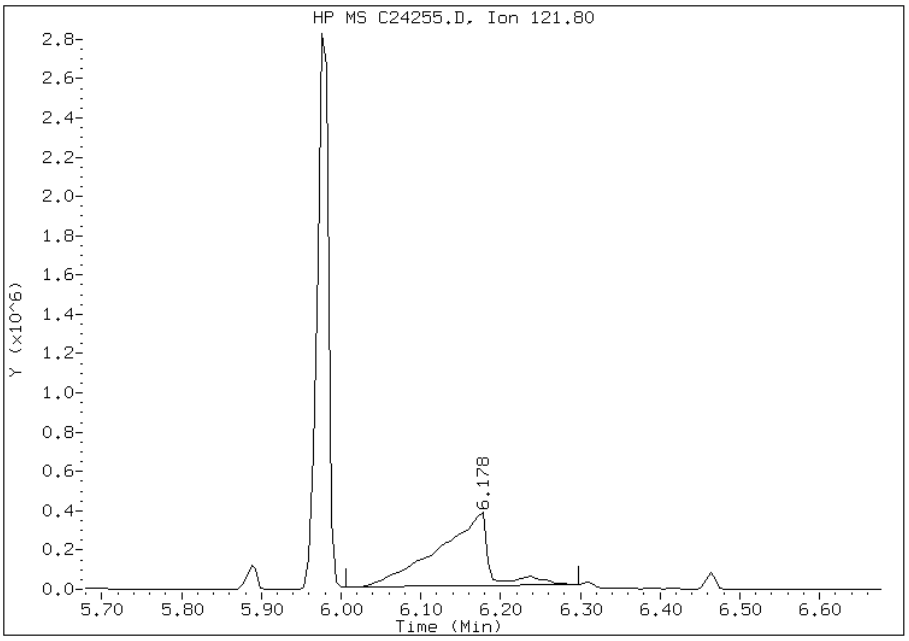
Manual Integration Results

RT: 6.18

Response: 1659108

Amount: 59

Conc: 59



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

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124248.b\C24256.D
Lab Smp Id: IC-635518 Client Smp ID: IC-635518
Inj Date : 14-JUL-2011 15:08
Operator : S.Jonas Inst ID: msc.i
Smp Info : IC-635518
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124248.b\MSC-8270C.m
Meth Date : 15-Jul-2011 08:47 conbna Quant Type: ISTD
Cal Date : 14-JUL-2011 15:08 Cal File: C24256.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.920	4.920	(1.000)	778441	20.0000	
$ 2	2-Fluorophenol	112	3.483	3.483	(0.708)	3576674	80.0000	81(A)
$ 3	Phenol-d5	99	4.611	4.611	(0.937)	4756332	80.0000	80(A)
4	Pyridine	52	1.661	1.661	(0.338)	1321236	80.0000	82(A)
5	N-Nitrosodimethylamine	42	1.655	1.655	(0.337)	999117	80.0000	82(A)
6	Cyclohexanone	42	3.703	3.703	(0.753)	1468726	80.0000	50
128	Benzaldehyde	77	4.439	4.439	(0.902)	816640	80.0000	39
7	Phenol	94	4.623	4.623	(0.940)	5319832	80.0000	79
8	Aniline	93	4.575	4.575	(0.930)	5507427	80.0000	78
9	bis(2-Chloroethyl)ether	63	4.676	4.676	(0.951)	3530688	80.0000	80(A)
10	2-Chlorophenol	128	4.706	4.706	(0.957)	4398604	80.0000	79
11	1,3-Dichlorobenzene	146	4.860	4.860	(0.988)	4957520	80.0000	79
12	1,4-Dichlorobenzene	146	4.943	4.943	(1.005)	5024000	80.0000	78
13	Benzyl alcohol	108	5.115	5.115	(1.040)	2755339	80.0000	82(A)
14	1,2-Dichlorobenzene	146	5.104	5.104	(1.037)	4581682	80.0000	76
15	2,2'-oxybis(1-Chloropropane)	45	5.258	5.258	(1.069)	7025011	80.0000	74
16	2-Methylphenol	108	5.258	5.258	(1.069)	3829731	80.0000	79
92	Acetophenone	105	5.388	5.388	(1.095)	5442905	80.0000	81(A)
17	Hexachloroethane	117	5.460	5.460	(1.110)	2128655	80.0000	82(A)
18	N-Nitroso-di-n-propylamine	70	5.412	5.412	(1.100)	3120031	80.0000	80

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	19 4-Methylphenol	108	5.430	5.430	(1.104)	4070711	80.0000	79
*	20 Naphthalene-d8	136	6.291	6.291	(1.000)	3254745	20.0000	
$	21 Nitrobenzene-d5	82	5.537	5.537	(0.880)	4605568	80.0000	82(A)
	22 Nitrobenzene	77	5.555	5.555	(0.883)	4589604	80.0000	79
	23 Isophorone	82	5.834	5.834	(0.927)	8638073	80.0000	82(A)
	24 2-Nitrophenol	139	5.893	5.893	(0.937)	2664621	80.0000	83(A)
	25 2,4-Dimethylphenol	122	5.988	5.988	(0.952)	4015964	80.0000	81(A)
	26 Benzoic Acid	122	6.208	6.208	(0.987)	2629462	80.0000	81(AM)
	27 Bis(2-Chloroethoxy)methane	93	6.077	6.077	(0.966)	5142590	80.0000	79
	28 2,4-Dichlorophenol	162	6.166	6.166	(0.980)	3761543	80.0000	79
	29 1,2,4-Trichlorobenzene	180	6.237	6.237	(0.992)	4267210	80.0000	79
	30 Naphthalene	128	6.308	6.308	(1.003)	10626761	80.0000	66
	31 4-Chloroaniline	127	6.392	6.392	(1.016)	5102049	80.0000	76
	32 Hexachlorobutadiene	225	6.469	6.469	(1.028)	2472643	80.0000	77
	129 Caprolactam	113	6.843	6.843	(1.088)	1371396	80.0000	93(AM)
	33 4-Chloro-3-methylphenol	107	6.943	6.943	(1.104)	3860412	80.0000	82(A)
	34 2-Methylnaphthalene	142	7.062	7.062	(1.123)	8291715	80.0000	74
*	35 Acenaphthene-d10	164	8.160	8.160	(1.000)	1937042	20.0000	
	36 2,4,5-Trichlorotoluene	159	7.021	7.021	(1.427)	3751301	80.0000	81(A)
	37 Hexachlorocyclopentadiene	237	7.234	7.234	(0.887)	2433505	80.0000	81(A)
	38 2,4,6-Trichlorophenol	196	7.371	7.371	(0.903)	2890525	80.0000	84(A)
	39 2,4,5-Trichlorophenol	196	7.418	7.418	(0.909)	3012524	80.0000	83(A)
$	40 2-Fluorobiphenyl	172	7.460	7.460	(0.914)	8665024	80.0000	73
	130 1,1'-Biphenyl	154	7.561	7.561	(0.927)	8486626	80.0000	65
	41 2-Chloronaphthalene	162	7.573	7.573	(0.928)	7872123	80.0000	74
	42 2-Nitroaniline	65	7.697	7.697	(0.943)	2721502	80.0000	83(A)
	43 Acenaphthylene	152	8.006	8.006	(0.981)	10542814	80.0000	62
	44 Dimethylphthalate	163	7.911	7.911	(0.969)	9446247	80.0000	80(A)
	45 2,6-Dinitrotoluene	165	7.964	7.964	(0.976)	2375912	80.0000	84(A)
	46 Acenaphthene	153	8.202	8.202	(1.005)	8284556	80.0000	76
	47 3-Nitroaniline	138	8.142	8.142	(0.998)	2670476	80.0000	84(A)
	48 2,4-Dinitrophenol	184	8.243	8.243	(1.010)	1504613	80.0000	82(A)
	49 Dibenzofuran	168	8.380	8.380	(1.027)	10211412	80.0000	67
	50 2,4-Dinitrotoluene	165	8.392	8.392	(1.028)	3142438	80.0000	83(A)
	51 4-Nitrophenol	109	8.344	8.344	(1.023)	1220115	80.0000	81(A)
	52 Fluorene	166	8.748	8.748	(1.072)	9006951	80.0000	72
	53 4-Chlorophenyl-phenylether	204	8.754	8.754	(1.073)	4574068	80.0000	75
	54 Diethylphthalate	149	8.659	8.659	(1.061)	9686658	80.0000	80
	55 4-Nitroaniline	138	8.807	8.807	(1.079)	2626635	80.0000	85(A)
$	56 2,4,6-Tribromophenol	330	9.003	9.003	(1.103)	1439909	80.0000	86(A)
*	57 Phenanthrene-d10	188	9.733	9.733	(1.000)	3286298	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.831	8.831	(0.907)	1987956	80.0000	81(A)
	59 N-Nitrosodiphenylamine (1)	169	8.890	8.890	(0.913)	7114428	80.0000	78
	60 1,2-Diphenylhydrazine	77	8.926	8.926	(0.917)	9418454	80.0000	73
	61 4-Bromophenyl-phenylether	248	9.270	9.270	(0.952)	2882506	80.0000	79
	131 Atrazine	200	9.484	9.484	(0.974)	2804553	80.0000	89(A)
	62 Hexachlorobenzene	284	9.341	9.341	(0.960)	3072625	80.0000	80
	63 Pentachlorophenol	266	9.549	9.549	(0.981)	1947431	80.0000	81(A)
	64 Phenanthrene	178	9.763	9.763	(1.003)	11116187	80.0000	65
	65 Carbazole	167	9.994	9.994	(1.027)	11681548	80.0000	71
	66 Anthracene	178	9.816	9.816	(1.009)	10946894	80.0000	63
	67 Di-n-butylphthalate	149	10.374	10.374	(1.066)	11397299	80.0000	58
	68 Fluoranthene	202	11.021	11.021	(1.132)	11912044	80.0000	65
*	70 Chrysene-d12	240	12.647	12.647	(1.000)	2500348	20.0000	

							AMOUNTS	
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
	71 Benzidine	184	11.163	11.163	(0.883)	2101571	80.0000	78
	72 Pyrene	202	11.258	11.258	(0.890)	12144684	80.0000	74
$	73 Terphenyl-d14	244	11.437	11.437	(0.904)	9291653	80.0000	84(A)
	74 Butylbenzylphthalate	149	11.971	11.971	(0.947)	6036743	80.0000	92(A)
	124 3,3'-Dimethylbenzidine	212	11.941	11.941	(0.944)	1736443	80.0000	75
	75 3,3'-Dichlorobenzidine	252	12.606	12.606	(0.997)	2844404	80.0000	77
	76 Benzo(a)anthracene	228	12.635	12.635	(0.999)	11028195	80.0000	80
	77 Chrysene	228	12.689	12.689	(1.003)	9970375	80.0000	76
	78 Bis(2-Ethylhexyl)phthalate	149	12.683	12.683	(1.003)	6792575	80.0000	94(A)
*	79 Perylene-d12	264	14.873	14.873	(1.000)	923698	20.0000	
	80 Di-n-octylphthalate	149	13.627	13.627	(0.916)	6647576	80.0000	79
	81 Benzo(b)fluoranthene	252	14.226	14.226	(0.957)	5250336	80.0000	88(A)
	82 Benzo(k)fluoranthene	252	14.274	14.274	(0.960)	5625719	80.0000	89(A)
	83 Benzo(a)pyrene	252	14.778	14.778	(0.994)	3866694	80.0000	88(A)
	84 Indeno(1,2,3-cd)pyrene	276	16.933	16.933	(1.138)	3051395	80.0000	79
	85 Dibenzo(a,h)anthracene	278	16.986	16.986	(1.142)	3078367	80.0000	79
	86 Benzo(g,h,i)perylene	276	17.479	17.479	(1.175)	3317426	80.0000	79
	167 Simazine	201	9.460	9.460	(0.972)	1848748	80.0000	88(A)
	103 1,2,4,5-Tetrachlorobenzene	216	7.240	7.240	(0.887)	2057747	80.0000	83(A)
	109 2,3,4,6-Tetrachlorophenol	232	8.522	8.522	(1.044)	2457378	80.0000	81(A)
	119 Pentachloronitrobenzene	237	9.567	9.567	(0.983)	1250163	80.0000	87(A)

QC Flag Legend

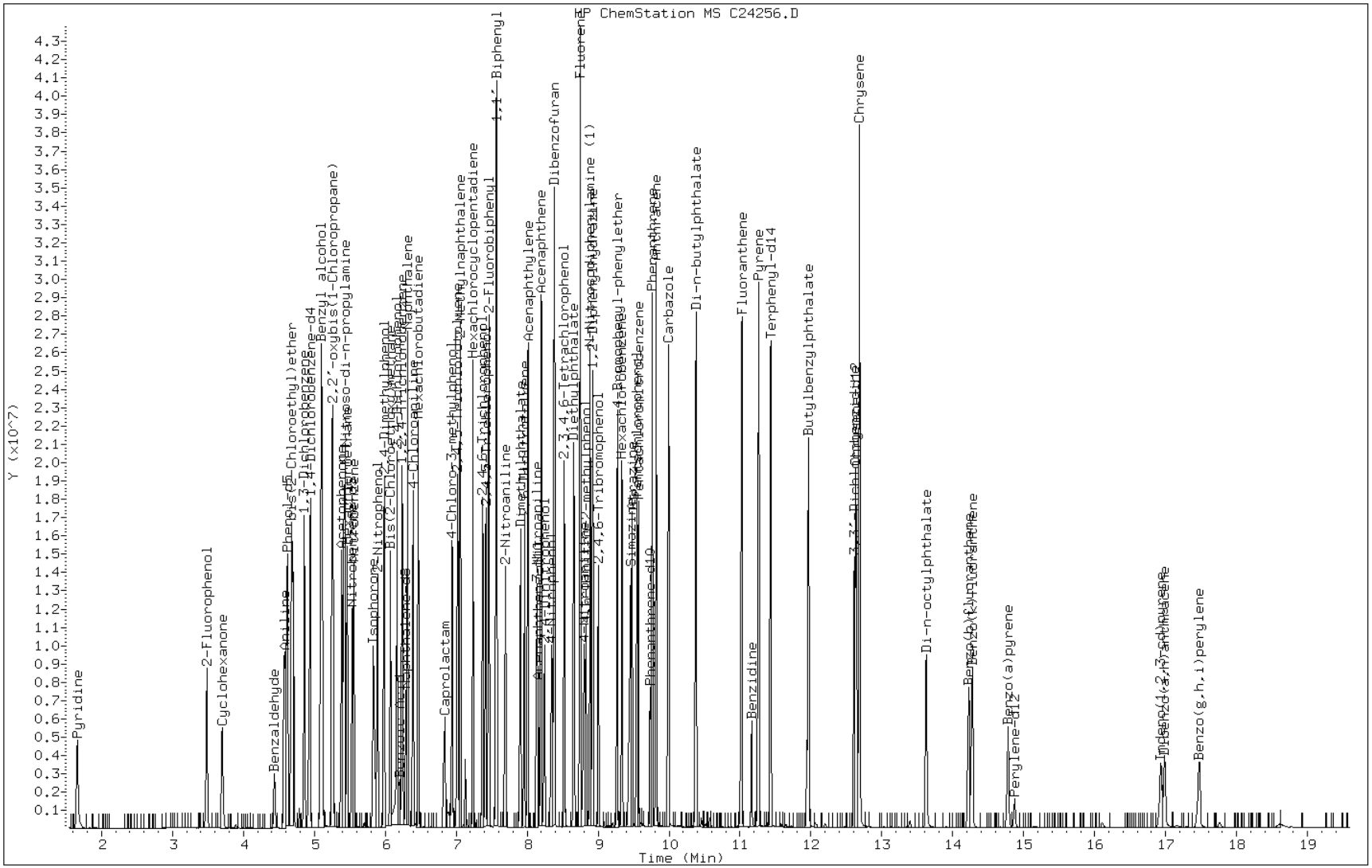
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: C24256.D

Date: 14-JUL-2011 15:08

Client ID: IC-635518 Instrument: msc.i

Sample Info: IC-635518 Operator: S.Jonas



Manual Integration Report

Data File: C24256.D
Inj. Date and Time: 14-JUL-2011 15:08
Instrument ID: msc.i
Client ID: IC-635518
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 07/15/2011

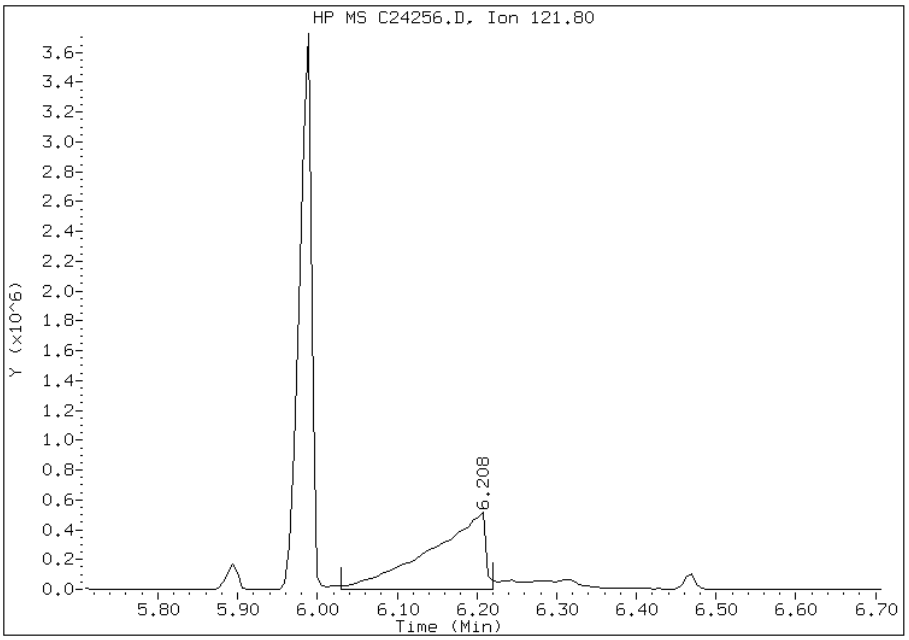
Processing Integration Results

RT: 6.21

Response: 2458375

Amount: 79

Conc: 79



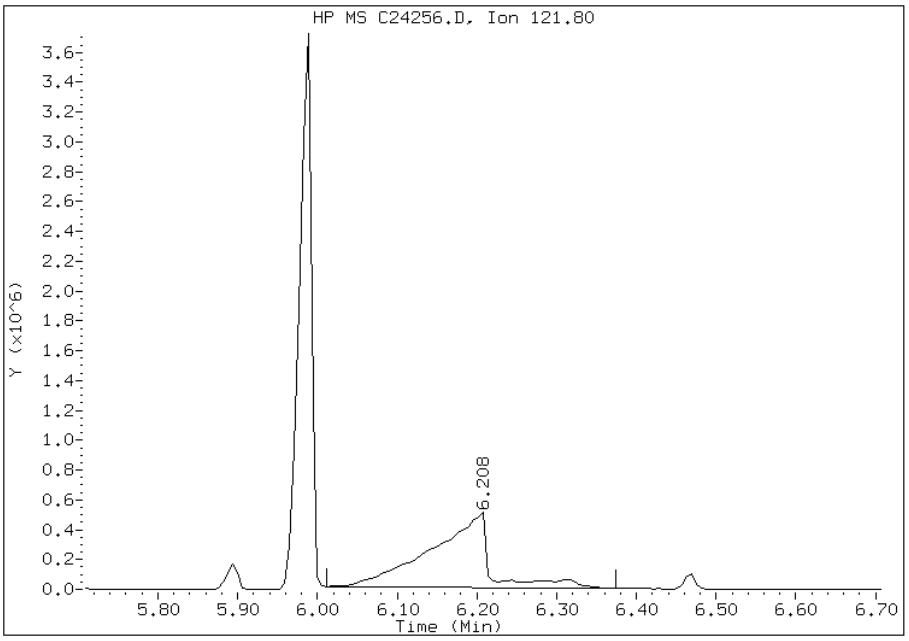
Manual Integration Results

RT: 6.21

Response: 2629462

Amount: 81

Conc: 81



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

Manual Integration Report

Data File: C24256.D
Inj. Date and Time: 14-JUL-2011 15:08
Instrument ID: msc.i
Client ID: IC-635518
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 07/15/2011

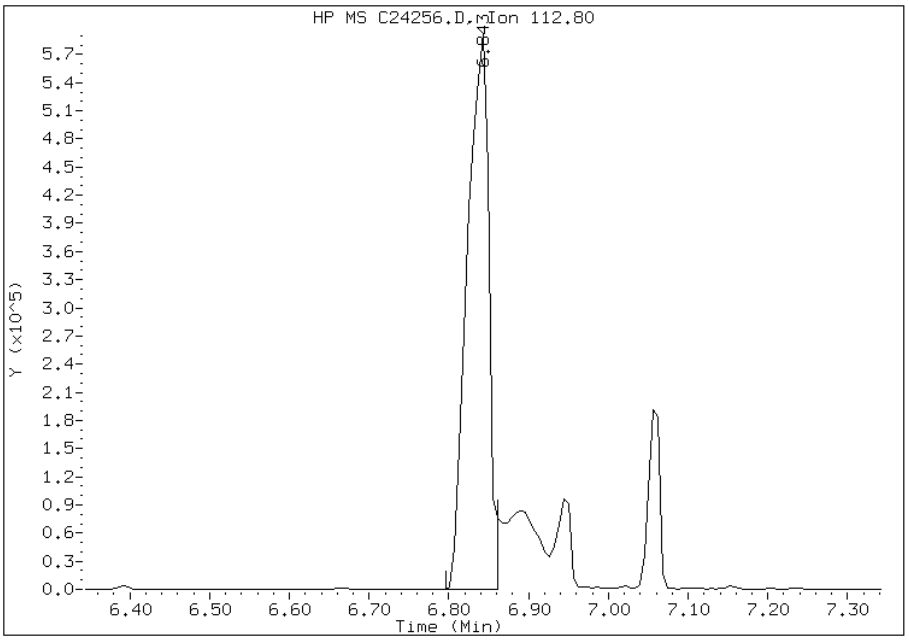
Processing Integration Results

RT: 6.84

Response: 1110134

Amount: 78

Conc: 78



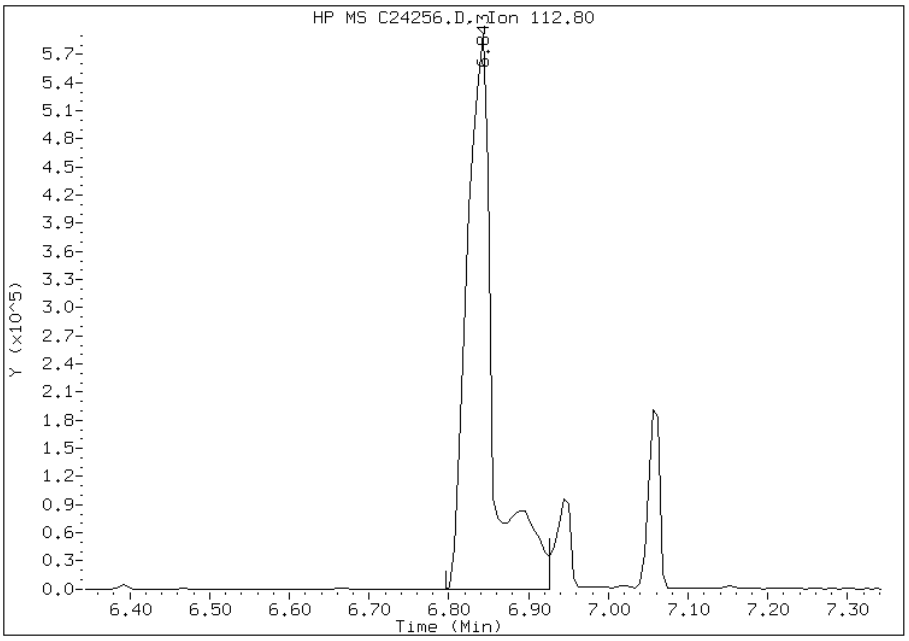
Manual Integration Results

RT: 6.84

Response: 1371396

Amount: 93

Conc: 93



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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52244

SDG No.:

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

Calibration Start Date: 06/23/2011 08:38 Calibration End Date: 06/23/2011 15:59 Calibration ID: 11278

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52244/2	Z21500.D
Level 2	IC 220-52244/3	Z21501.D
Level 3	IC 220-52244/4	Z21502.D
Level 4	IC 220-52244/5	Z21503.D
Level 5	ICIS 220-52244/1	Z21499.D
Level 6	IC 220-52244/6	Z21504.D
Level 7	IC 220-52244/7	Z21505.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodimethylamine	0.2554 0.2432	0.2279 0.2484	0.2368	0.2497	0.2546	Ave		0.2451				4.1		15.0			
Pyridine	0.3496 0.3129	0.3044 0.3205	0.2936	0.3072	0.3296	Ave		0.3168				5.8		15.0			
Cyclohexanone	0.7001 0.3219	0.6103 0.2531	0.5464	0.4974	0.6016	Ave		0.5044				32.1	*	15.0			
Benzaldehyde	0.9195 0.3803	0.9012 0.3214	0.8630	0.7582	0.4061	Ave		0.6500				41.3	*	15.0			
Aniline	2.3550 1.7736	2.0909 1.7795	1.9364	1.9328	2.1457	Ave		2.0020				10.5		15.0			
Phenol	1.9786 1.6100	1.8140 1.4973	1.7648	1.7669	1.7928	Ave		1.7464				8.8		30.0			
Bis(2-chloroethyl)ether	1.1862 0.9610	1.0846 0.9560	1.0492	1.0447	1.0649	Ave		1.0495				7.5		15.0			
2-Chlorophenol	1.6838 1.3947	1.5211 1.3962	1.4920	1.5220	1.5394	Ave		1.5070				6.5		15.0			
1,3-Dichlorobenzene	1.8333 1.5882	1.6895 1.5882	1.6657	1.7194	1.7243	Ave		1.6869				5.1		15.0			
1,4-Dichlorobenzene	1.9255 1.6213	1.7450 1.6088	1.7261	1.7725	1.7618	Ave		1.7373				6.1		30.0			
1,2-Dichlorobenzene	1.8258 1.4342	1.6605 1.4192	1.6475	1.6348	1.5864	Ave		1.6012				8.8		15.0			
Benzyl alcohol	0.8894 0.7660	0.8794 0.7887	0.8884	0.8796	0.9060	Ave		0.8568				6.5		15.0			
2-Methylphenol	1.5238 1.1843	1.3738 1.1978	1.3525	1.3497	1.3600	Ave		1.3346				8.6		15.0			
2,2'-oxybis[1-chloropropane]	2.1093 1.5258	1.8944 1.4869	1.8341	1.8191	1.7607	Ave		1.7758				12.1		15.0			

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52244

SDG No.:

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

Calibration Start Date: 06/23/2011 08:38 Calibration End Date: 06/23/2011 15:59 Calibration ID: 11278

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetophenone	2.2353 1.9426	2.0548 1.9882	2.0094	2.0858	2.1311	Ave		2.0639				4.8		15.0			
N-Nitrosodi-n-propylamine	1.2244 1.0485	1.1223 1.0434	1.1044	1.1358	1.1708	Ave		1.1214			0.0500	5.7		15.0			
4-Methylphenol	1.6269 1.3352	1.4536 1.3098	1.4582	1.4910	1.5297	Ave		1.4578				7.5		15.0			
Hexachloroethane	0.7925 0.6907	0.7134 0.6829	0.7165	0.7415	0.7430	Ave		0.7258				5.1		15.0			
Nitrobenzene	0.4086 0.3351	0.3610 0.3376	0.3565	0.3640	0.3661	Ave		0.3613				6.7		15.0			
Isophorone	0.7204 0.6353	0.6374 0.6642	0.6500	0.6624	0.6911	Ave		0.6658				4.6		15.0			
2-Nitrophenol	0.2124 0.1911	0.1884 0.1935	0.1944	0.2007	0.2048	Ave		0.1979				4.3		30.0			
2,4-Dimethylphenol	0.3025 0.2754	0.2724 0.2764	0.2843	0.2949	0.3072	Ave		0.2876				4.9		15.0			
Bis(2-chloroethoxy)methane	0.4768 0.3867	0.4162 0.3910	0.4130	0.4205	0.4260	Ave		0.4186				7.1		15.0			
Benzoic acid	0.3147 0.1660	0.1262 0.1690	0.1571	0.1741	0.2023	Ave		0.1871				32.4	*	15.0			
2,4-Dichlorophenol	0.3042 0.2681	0.2818 0.2696	0.2819	0.2874	0.2900	Ave		0.2833				4.4		30.0			
1,2,4-Trichlorobenzene	0.3471 0.2936	0.3133 0.2908	0.3110	0.3151	0.3155	Ave		0.3124				5.9		15.0			
Naphthalene	1.1762 0.9341	1.0442 0.9149	1.0302	1.0379	1.0276	Ave		1.0236				8.3		15.0			
4-Chloroaniline	0.4738 0.3733	0.4158 0.3717	0.4183	0.4189	0.4350	Ave		0.4152				8.5		15.0			
Hexachlorobutadiene	0.1945 0.1672	0.1728 0.1678	0.1761	0.1775	0.1798	Ave		0.1765				5.2		30.0			
Caprolactam	0.0979 0.1028	0.0864 0.1077	0.0961	0.1015	0.1090	Ave		0.1002				7.7		15.0			
4-Chloro-3-methylphenol	0.3352 0.3082	0.3009 0.3120	0.3145	0.3243	0.3345	Ave		0.3185				4.1		30.0			
2,4,5-Trichlorotoluene	1.4395 1.3078	1.3514 1.3528	1.3274	1.3945	1.4211	Ave		1.3707				3.6		15.0			
2-Methylnaphthalene	0.7969 0.6430	0.7029 0.6340	0.7118	0.7164	0.7172	Ave		0.7032				7.7		15.0			
Hexachlorocyclopentadiene	0.2712 0.2898	0.2722 0.2589	0.3007	0.3136	0.3362	Ave		0.2918			0.0500	9.3		15.0			

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52244

SDG No.:

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

Calibration Start Date: 06/23/2011 08:38 Calibration End Date: 06/23/2011 15:59 Calibration ID: 11278

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4,5-Tetrachlorobenzene	0.2573 0.2164	0.1857 0.2145	0.2331	0.1890	0.2353	Ave		0.2187				11.8		15.0			
2,4,6-Trichlorophenol	0.3663 0.3270	0.3264 0.3326	0.3350	0.3410	0.3544	Ave		0.3404				4.4		30.0			
2,4,5-Trichlorophenol	0.3834 0.3489	0.3422 0.3464	0.3453	0.3511	0.3778	Ave		0.3564				4.7		15.0			
1,1'-Biphenyl	1.5594 1.1667	1.4035 1.0795	1.3776	1.3730	1.3292	Ave		1.3270				12.0		15.0			
2-Chloronaphthalene	1.2577 0.9633	1.1131 0.9170	1.1017	1.0887	1.0738	Ave		1.0736				10.3		15.0			
2-Nitroaniline	0.3506 0.3129	0.3115 0.3200	0.3220	0.3288	0.3434	Ave		0.3270				4.6		15.0			
Dimethyl phthalate	1.4037 1.2095	1.2256 1.2426	1.2468	1.2658	1.3099	Ave		1.2720				5.2		15.0			
2,6-Dinitrotoluene	0.3074 0.2963	0.2858 0.3054	0.2955	0.3032	0.3182	Ave		0.3017				3.4		15.0			
Acenaphthylene	2.0175 1.6929	1.7932 1.6877	1.8127	1.8261	1.8703	Ave		1.8143				6.2		15.0			
3-Nitroaniline	0.3363 0.3229	0.3060 0.3297	0.3256	0.3361	0.3531	Ave		0.3299				4.4		15.0			
Acenaphthene	1.2792 1.0364	1.1297 1.0319	1.1271	1.1387	1.1426	Ave		1.1265				7.3		30.0			
2,4-Dinitrophenol	0.1036 0.1948	0.1188 0.2099	0.1605	0.1742	0.1960	Lin	0.2424	0.2188			0.0500			15.0	0.9963		0.9900
4-Nitrophenol	0.1589 0.1678	0.1460 0.1853	0.1577	0.1644	0.1795	Ave		0.1656			0.0500	8.1		15.0			
Dibenzofuran	1.7922 1.3986	1.5841 1.3758	1.5847	1.5769	1.5598	Ave		1.5532				8.9		15.0			
2,4-Dinitrotoluene	0.4391 0.3736	0.3894 0.3807	0.4069	0.4129	0.4128	Ave		0.4022				5.6		15.0			
2,3,4,6-Tetrachlorophenol	0.2653 0.2697	0.1924 0.2783	0.2679	0.2203	0.2911	Ave		0.2550				13.8		15.0			
Diethyl phthalate	1.4722 1.2631	1.2687 1.2890	1.3035	1.3248	1.3825	Ave		1.3291				5.6		15.0			
Fluorene	1.4424 1.1326	1.2782 1.0802	1.2904	1.3165	1.2970	Ave		1.2625				9.6		15.0			
4-Chlorophenyl phenyl ether	0.6961 0.5428	0.6068 0.5161	0.6126	0.6208	0.6244	Ave		0.6028				9.7		15.0			
4-Nitroaniline	0.3263 0.3236	0.3050 0.3298	0.3159	0.3312	0.3428	Ave		0.3249				3.7		15.0			

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52244

SDG No.:

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

Calibration Start Date: 06/23/2011 08:38 Calibration End Date: 06/23/2011 15:59 Calibration ID: 11278

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
4,6-Dinitro-2-methylphenol	0.1162 0.1494	0.1126 0.1573	0.1343	0.1420	0.1561	Ave		0.1382				13.1		15.0			
N-Nitrosodiphenylamine	0.6356 0.5415	0.5551 0.5439	0.5625	0.5701	0.5917	Ave		0.5715				5.8		30.0			
1,2-Diphenylhydrazine	0.9816 0.7780	0.8481 0.7553	0.8443	0.8419	0.8659	Ave		0.8450				8.6		15.0			
4-Bromophenyl phenyl ether	0.2360 0.2060	0.2002 0.2070	0.2027	0.2092	0.2209	Ave		0.2117				5.9		15.0			
Hexachlorobenzene	0.2526 0.2212	0.2216 0.2248	0.2195	0.2232	0.2394	Ave		0.2289				5.4		15.0			
Simazine	0.1361 0.1278	0.1161 0.1366	0.1180	0.1204	0.1376	Ave		0.1275				7.4		15.0			
Atrazine	0.2172 0.2050	0.1821 0.2132	0.1854	0.1834	0.2131	Ave		0.1999				7.8		15.0			
Pentachlorophenol	0.0899 0.1379	0.0935 0.1441	0.1142	0.1224	0.1354	Lin	0.2050	0.1497						30.0	0.9973		0.9900
Pentachloronitrobenzene	0.1001 0.0887	0.0904 0.0913	0.0941	0.0728	0.0953	Ave		0.0904				9.6		15.0			
Phenanthrene	1.2686 1.0625	1.1033 1.0569	1.1044	1.1237	1.1590	Ave		1.1255				6.4		15.0			
Anthracene	1.2751 1.0822	1.1103 1.0624	1.1273	1.1461	1.1989	Ave		1.1432				6.4		15.0			
Carbazole	1.1502 1.0050	1.0051 1.0025	1.0281	1.0529	1.0919	Ave		1.0480				5.3		15.0			
Di-n-butyl phthalate	1.4614 1.3073	1.2668 1.2903	1.3251	1.3770	1.4350	Ave		1.3518				5.5		15.0			
Fluoranthene	1.2782 1.1533	1.1081 1.1596	1.1385	1.1856	1.2371	Ave		1.1801				5.0		30.0			
Benzidine	0.2797 0.1914	0.3056 0.1665	0.2841	0.2601	0.3228	Ave		0.2586				22.6	*	15.0			
Pyrene	1.5216 1.3370	1.3129 1.3898	1.3350	1.3571	1.4697	Ave		1.3890				5.6		15.0			
3,3'-Dimethylbenzidine	0.2637 0.1939	0.2466 +++++	0.2421	0.2428	0.2723	Ave		0.2436				11.2		15.0			
Butyl benzyl phthalate	0.6313 0.6169	0.5582 0.6449	0.5862	0.6120	0.6713	Ave		0.6173				6.0		15.0			
3,3'-Dichlorobenzidine	0.3324 0.3270	0.3009 0.3230	0.3181	0.3345	0.3542	Ave		0.3272				5.0		15.0			
Benzo[a]anthracene	1.2760 1.1363	1.0877 1.1668	1.1097	1.1385	1.2179	Ave		1.1618				5.6		15.0			

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52244

SDG No.:

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

Calibration Start Date: 06/23/2011 08:38 Calibration End Date: 06/23/2011 15:59 Calibration ID: 11278

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chrysene	1.2500 1.0557	1.0818 1.0676	1.0862	1.1176	1.1473	Ave		1.1152				6.0		15.0			
Bis(2-ethylhexyl) phthalate	0.7348 0.7003	0.6296 0.7307	0.6653	0.7072	0.7773	Ave		0.7065				6.9		15.0			
Di-n-octyl phthalate	0.9417 1.4116	0.8086 1.7082	0.9230	1.0826	1.3788	Qua	0.0722	0.8430	-0.039					30.0	0.9984		0.9900
Benzo[b]fluoranthene	1.2689 1.3153	1.0931 1.4225	1.1486	1.2114	1.3612	Ave		1.2602				9.3		15.0			
Benzo[k]fluoranthene	1.2780 1.3313	1.1610 1.4714	1.1742	1.2582	1.3808	Ave		1.2936				8.6		15.0			
Benzo[a]pyrene	0.9859 0.9852	0.8763 1.0478	0.9089	0.9510	1.0558	Ave		0.9730				6.9		30.0			
Indeno[1,2,3-cd]pyrene	0.5894 0.4909	0.5185 0.5103	0.5214	0.5395	0.5393	Ave		0.5299				5.9		15.0			
Dibenz(a,h)anthracene	0.5244 0.4924	0.4414 0.5294	0.4641	0.4987	0.5186	Ave		0.4956				6.6		15.0			
Benzo[g,h,i]perylene	0.6167 0.4779	0.5246 0.4997	0.5188	0.5402	0.5242	Ave		0.5289				8.3		15.0			
2-Fluorophenol	1.2087 1.0914	1.1015 1.0963	1.1031	1.1494	1.1882	Ave		1.1341				4.3		15.0			
Phenol-d5	1.7881 1.5329	1.6451 1.5561	1.6289	1.6480	1.6947	Ave		1.6420				5.2		15.0			
Nitrobenzene-d5	0.3884 0.3375	0.3469 0.3446	0.3510	0.3537	0.3647	Ave		0.3553				4.7		15.0			
2-Fluorobiphenyl	1.3599 1.1043	1.1958 1.0997	1.1943	1.1967	1.2138	Ave		1.1949				7.2		15.0			
2,4,6-Tribromophenol	0.1875 0.1819	0.1691 0.1908	0.1773	0.1821	0.1920	Ave		0.1829				4.4		15.0			
Terphenyl-d14	1.0098 0.8964	0.8737 0.9231	0.8878	0.9034	0.9760	Ave		0.9243				5.4		15.0			

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

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52244

SDG No.:

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

Calibration Start Date: 06/23/2011 08:38 Calibration End Date: 06/23/2011 15:59 Calibration ID: 11278

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52244/2	Z21500.D
Level 2	IC 220-52244/3	Z21501.D
Level 3	IC 220-52244/4	Z21502.D
Level 4	IC 220-52244/5	Z21503.D
Level 5	ICIS 220-52244/1	Z21499.D
Level 6	IC 220-52244/6	Z21504.D
Level 7	IC 220-52244/7	Z21505.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
N-Nitrosodimethylamine	DCB	Ave	6096 153857	10347 209894	26829	54125	110998	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Pyridine	DCB	Ave	8346 197946	13819 270860	33267	66587	143724	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Cyclohexanone	DCB	Ave	16711 203620	27709 213851	61896	107810	262325	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzaldehyde	DCB	Ave	21949 240589	40918 271635	97763	164337	177075	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Aniline	DCB	Ave	56215 1121956	94935 1503815	219370	418907	935596	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Phenol	DCB	Ave	47231 1018460	82363 1265308	199937	382946	781712	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Bis(2-chloroethyl)ether	DCB	Ave	28316 607914	49245 807863	118868	226416	464314	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Chlorophenol	DCB	Ave	40193 882228	69063 1179874	169026	329866	671221	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,3-Dichlorobenzene	DCB	Ave	43762 1004677	76708 1342089	188705	372653	751847	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,4-Dichlorobenzene	DCB	Ave	45963 1025576	79228 1359551	195546	384159	768201	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2-Dichlorobenzene	DCB	Ave	43583 907222	75390 1199337	186645	354319	691734	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzyl alcohol	DCB	Ave	21230 484534	39927 666482	100643	190641	395022	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Methylphenol	DCB	Ave	36375 749174	62375 1012236	153218	292533	592979	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	50351 965167	86013 1256567	207781	394262	767700	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Acetophenone	DCB	Ave	53357 1228831	93293 1680191	227646	452065	929231	2.00 60.0	4.00 80.0	10.0	20.0	40.0

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52244

SDG No.:

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

Calibration Start Date: 06/23/2011 08:38 Calibration End Date: 06/23/2011 15:59 Calibration ID: 11278

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
N-Nitrosodi-n-propylamine	DCB	Ave	29227 663280	50957 881739	125122	246161	510507	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Methylphenol	DCB	Ave	38836 844592	65996 1106899	165200	323153	666995	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachloroethane	DCB	Ave	18917 436947	32392 577054	81175	160714	323962	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Nitrobenzene	NPT	Ave	44753 993671	76751 1349632	188365	372564	759475	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Isophorone	NPT	Ave	78912 1883975	135525 2655405	343443	677980	1433671	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Nitrophenol	NPT	Ave	23263 566730	40045 773675	102715	205417	424836	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4-Dimethylphenol	NPT	Ave	33130 816625	57907 1104852	150200	301817	637417	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Bis(2-chloroethoxy)methane	NPT	Ave	52225 1146978	88492 1563232	218198	430443	883878	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzoic acid	NPT	Ave	34469 492319	67070 675563	207462	267344	419737	2.00 60.0	10.0 80.0	25.0	30.0	40.0
2,4-Dichlorophenol	NPT	Ave	33317 795021	59915 1077721	148919	294199	601635	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2,4-Trichlorobenzene	NPT	Ave	38024 870739	66619 1162723	164304	322502	654457	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Naphthalene	NPT	Ave	128834 2770215	221996 3657776	544286	1062288	2131952	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Chloroaniline	NPT	Ave	51901 1107006	88395 1485876	221016	428722	902360	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachlorobutadiene	NPT	Ave	21307 495848	36740 670753	93062	181699	373007	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Caprolactam	NPT	Ave	10722 304859	18372 430757	50765	103918	226221	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Chloro-3-methylphenol	NPT	Ave	36714 914104	63966 1247239	166180	331884	693933	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4,5-Trichlorotoluene	DCB	Ave	34362 827268	61360 1143197	150381	302249	619658	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Methylnaphthalene	NPT	Ave	87288 1906992	149448 2534510	376088	733288	1487912	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachlorocyclopentadiene	ANT	Ave	18198 541085	35125 657519	97882	201947	438846	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	17266 403976	29943 544785	75872	152130	307158	2.00 60.0	5.00 80.0	10.0	25.0	40.0
2,4,6-Trichlorophenol	ANT	Ave	24582 610588	42119 844840	109067	219592	462550	2.00 60.0	4.00 80.0	10.0	20.0	40.0

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52244

SDG No.:

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

Calibration Start Date: 06/23/2011 08:38 Calibration End Date: 06/23/2011 15:59 Calibration ID: 11278

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2,4,5-Trichlorophenol	ANT	Ave	64326 651362	110388 879748	281015	339160	493080	5.00 60.0	10.0 80.0	25.0	30.0	40.0
1,1'-Biphenyl	ANT	Ave	104645 2178295	181079 2741800	448473	884236	1734966	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Chloronaphthalene	ANT	Ave	84400 1798557	143621 2329222	358637	701189	1401659	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Nitroaniline	ANT	Ave	23525 584123	40193 812752	104810	211746	448261	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Dimethyl phthalate	ANT	Ave	94202 2258249	158137 3156215	405885	815200	1709829	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,6-Dinitrotoluene	ANT	Ave	20628 553266	36872 775783	96184	195265	415343	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Acenaphthylene	ANT	Ave	135388 3160795	231360 4286722	590090	1176045	2441222	2.00 60.0	4.00 80.0	10.0	20.0	40.0
3-Nitroaniline	ANT	Ave	22571 602844	39481 837314	105988	216443	460867	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Acenaphthene	ANT	Ave	85843 1935002	145758 2621010	366904	733387	1491358	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4-Dinitrophenol	ANT	Lin	17383 363758	38311 533205	130657	168296	255782	5.00 60.0	10.0 80.0	25.0	30.0	40.0
4-Nitrophenol	ANT	Ave	26664 313239	47085 470596	128337	158805	234282	5.00 60.0	10.0 80.0	25.0	30.0	40.0
Dibenzofuran	ANT	Ave	120267 2611325	204388 3494639	515870	1015599	2036032	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4-Dinitrotoluene	ANT	Ave	29467 697472	50237 966946	132458	265930	538802	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	17804 503566	31030 706886	87213	177330	379948	2.00 60.0	5.00 80.0	10.0	25.0	40.0
Diethyl phthalate	ANT	Ave	98796 2358192	163690 3274094	424351	853224	1804520	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Fluorene	ANT	Ave	96796 2114665	164912 2743660	420063	847898	1692911	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Chlorophenyl phenyl ether	ANT	Ave	46712 1013429	78287 1310903	199438	399838	815056	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Nitroaniline	ANT	Ave	21898 604197	39349 837602	102821	213274	447397	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4,6-Dinitro-2-methylphenol	PHN	Ave	31867 466749	59561 680130	181775	230377	340111	5.00 60.0	10.0 80.0	25.0	30.0	40.0
N-Nitrosodiphenylamine	PHN	Ave	69747 1691269	117491 2352267	304505	616729	1289523	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2-Diphenylhydrazine	PHN	Ave	107711 2429817	179530 3266815	457087	910729	1887151	2.00 60.0	4.00 80.0	10.0	20.0	40.0

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52244

SDG No.:

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

Calibration Start Date: 06/23/2011 08:38 Calibration End Date: 06/23/2011 15:59 Calibration ID: 11278

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
4-Bromophenyl phenyl ether	PHN	Ave	25897 643356	42385 895408	109717	226340	481369	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachlorobenzene	PHN	Ave	27713 690833	46909 972249	118852	241482	521695	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Simazine	PHN	Ave	14932 399110	24582 590863	63859	130239	299980	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Atrazine	PHN	Ave	23834 640168	38554 922149	100347	198365	464403	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Pentachlorophenol	PHN	Lin	24670 430760	49482 623114	154520	198597	295160	5.00 60.0	10.0 80.0	25.0	30.0	40.0
Pentachloronitrobenzene	PHN	Ave	10988 277098	19140 394662	50968	98403	207722	2.00 60.0	4.00 80.0	10.0	25.0	40.0
Phenanthrene	PHN	Ave	139203 3318397	233531 4570845	597892	1215609	2526075	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Anthracene	PHN	Ave	139910 3380071	235023 4594917	610275	1239829	2612835	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Carbazole	PHN	Ave	126206 3138976	212762 4335834	556562	1139029	2379753	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Di-n-butyl phthalate	PHN	Ave	160361 4083063	268145 5580268	717370	1489614	3127549	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Fluoranthene	PHN	Ave	140257 3602006	234560 5015331	616313	1282650	2696267	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzidine	CRY	Ave	26248 523297	55656 611862	134005	248534	600577	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Pyrene	CRY	Ave	142786 3655772	239152 5105878	629678	1296943	2734380	2.00 60.0	4.00 80.0	10.0	20.0	40.0
3,3'-Dimethylbenzidine	CRY	Ave	24749 530136	44912 +++++	114177	232033	506709	2.00 60.0	4.00 +++++	10.0	20.0	40.0
Butyl benzyl phthalate	CRY	Ave	59240 1686743	101676 2369275	276508	584842	1249052	2.00 60.0	4.00 80.0	10.0	20.0	40.0
3,3'-Dichlorobenzidine	CRY	Ave	31193 894021	54809 1186834	150030	319642	659055	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[a]anthracene	CRY	Ave	119741 3106953	198122 4286749	523381	1087988	2265998	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Chrysene	CRY	Ave	117304 2886676	197042 3922295	512306	1068059	2134647	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	68958 1914914	114675 2684695	313785	675852	1446248	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Di-n-octyl phthalate	PRY	Qua	67821 2456951	112240 3578541	331073	758981	1708449	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[b]fluoranthene	PRY	Ave	91390 2289374	151731 2979930	412008	849305	1686679	2.00 60.0	4.00 80.0	10.0	20.0	40.0

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

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1 Analy Batch No.: 52244

SDG No.:

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

Calibration Start Date: 06/23/2011 08:38 Calibration End Date: 06/23/2011 15:59 Calibration ID: 11278

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzo[k]fluoranthene	PRY	Ave	92042 2317173	161155 3082475	421206	882080	1710902	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[a]pyrene	PRY	Ave	71008 1714714	121633 2195013	326043	666697	1308250	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	42452 854495	71973 1069008	187035	378247	668245	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Dibenz(a,h)anthracene	PRY	Ave	37768 857005	61275 1108963	166469	349634	642634	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[g,h,i]perylene	PRY	Ave	44417 831714	72812 1046738	186088	378751	649596	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Fluorophenol	DCB	Ave	28853 690405	50012 926440	124970	249124	518097	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Phenol-d5	DCB	Ave	42682 969664	74693 1315023	184533	357173	738935	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Nitrobenzene-d5	NPT	Ave	42543 1000976	73750 1377627	185471	362052	756513	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Fluorobiphenyl	ANT	Ave	91262 2061858	154280 2793337	388801	770710	1584334	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4,6-Tribromophenol	ANT	Ave	31455 339615	54542 484655	144265	175907	250571	5.00 60.0	10.0 80.0	25.0	30.0	40.0
Terphenyl-d14	CRY	Ave	94761 2451194	159149 3391448	418730	863307	1815875	2.00 60.0	4.00 80.0	10.0	20.0	40.0

Curve Type Legend:

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

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\consvr05\files\Chem\BNA\msz.i\Z1121497.b\Z21499.D
Lab Smp Id: ICIS-628867 Client Smp ID: ICIS-628867
Inj Date : 23-JUN-2011 08:38
Operator : S.Jonas Inst ID: msz.i
Smp Info : ICIS-628867
Misc Info :
Comment :
Method : \\consvr05\files\Chem\BNA\msz.i\Z1121497.b\MSZ-8270C.m
Meth Date : 24-Jun-2011 13:29 msz.i Quant Type: ISTD
Cal Date : 23-JUN-2011 08:38 Cal File: Z21499.D
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSC

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.899	4.899	(1.000)	218014	20.0000	
$ 2	2-Fluorophenol	112	3.460	3.460	(0.706)	518097	40.0000	42
$ 3	Phenol-d5	99	4.579	4.579	(0.935)	738935	40.0000	41
4	Pyridine	52	1.648	1.648	(0.336)	143724	40.0000	42
5	N-Nitrosodimethylamine	42	1.633	1.633	(0.333)	110998	40.0000	42
6	Cyclohexanone	42	3.681	3.681	(0.751)	262325	40.0000	48
128	Benzaldehyde	77	4.417	4.417	(0.902)	177075	40.0000	25
7	Phenol	94	4.595	4.595	(0.938)	781712	40.0000	41
8	Aniline	93	4.554	4.554	(0.930)	935596	40.0000	43
9	bis(2-Chloroethyl)ether	63	4.651	4.651	(0.949)	464314	40.0000	40
10	2-Chlorophenol	128	4.682	4.682	(0.956)	671221	40.0000	41
11	1,3-Dichlorobenzene	146	4.837	4.837	(0.987)	751847	40.0000	41
12	1,4-Dichlorobenzene	146	4.918	4.918	(1.004)	768201	40.0000	40
13	Benzyl alcohol	108	5.086	5.086	(1.038)	395022	40.0000	42
14	1,2-Dichlorobenzene	146	5.079	5.079	(1.037)	691734	40.0000	40
15	2,2'-oxybis(1-Chloropropane)	45	5.235	5.235	(1.069)	767700	40.0000	40
16	2-Methylphenol	108	5.232	5.232	(1.068)	592979	40.0000	41
92	Acetophenone	105	5.356	5.356	(1.093)	929231	40.0000	41
17	Hexachloroethane	117	5.440	5.440	(1.110)	323962	40.0000	41
18	N-Nitroso-di-n-propylamine	70	5.381	5.381	(1.098)	510507	40.0000	42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.400	5.400	(1.102)	666995	40.0000	42
*	20 Naphthalene-d8	136	6.267	6.267	(1.000)	1037301	20.0000	
$	21 Nitrobenzene-d5	82	5.505	5.505	(0.878)	756513	40.0000	41
	22 Nitrobenzene	77	5.527	5.527	(0.882)	759475	40.0000	40
	23 Isophorone	82	5.797	5.797	(0.925)	1433671	40.0000	42
	24 2-Nitrophenol	139	5.869	5.869	(0.937)	424836	40.0000	41
	25 2,4-Dimethylphenol	122	5.956	5.956	(0.950)	637417	40.0000	43
	26 Benzoic Acid	122	6.127	6.127	(0.978)	419737	40.0000	43(M)
	27 Bis(2-Chloroethoxy)methane	93	6.046	6.046	(0.965)	883878	40.0000	41
	28 2,4-Dichlorophenol	162	6.139	6.139	(0.980)	601635	40.0000	41
	29 1,2,4-Trichlorobenzene	180	6.214	6.214	(0.992)	654457	40.0000	40
	30 Naphthalene	128	6.289	6.289	(1.003)	2131952	40.0000	40
	31 4-Chloroaniline	127	6.366	6.366	(1.016)	902360	40.0000	42
	32 Hexachlorobutadiene	225	6.444	6.444	(1.028)	373007	40.0000	41
	129 Caprolactam	113	6.786	6.786	(1.083)	226221	40.0000	44(M)
	33 4-Chloro-3-methylphenol	107	6.916	6.916	(1.104)	693933	40.0000	42
	34 2-Methylnaphthalene	142	7.031	7.031	(1.122)	1487912	40.0000	41
*	35 Acenaphthene-d10	164	8.135	8.135	(1.000)	652644	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.994	6.994	(1.428)	619658	40.0000	41
	37 Hexachlorocyclopentadiene	237	7.212	7.212	(0.887)	438846	40.0000	46
	38 2,4,6-Trichlorophenol	196	7.345	7.345	(0.903)	462550	40.0000	42
	39 2,4,5-Trichlorophenol	196	7.389	7.389	(0.908)	493080	40.0000	42
$	40 2-Fluorobiphenyl	172	7.435	7.435	(0.914)	1584334	40.0000	41
	130 1,1'-Biphenyl	154	7.535	7.535	(0.926)	1734966	40.0000	40
	41 2-Chloronaphthalene	162	7.547	7.547	(0.928)	1401659	40.0000	40
	42 2-Nitroaniline	65	7.669	7.669	(0.943)	448261	40.0000	42
	43 Acenaphthylene	152	7.982	7.982	(0.981)	2441222	40.0000	41
	44 Dimethylphthalate	163	7.880	7.880	(0.969)	1709829	40.0000	41
	45 2,6-Dinitrotoluene	165	7.933	7.933	(0.975)	415343	40.0000	42
	46 Acenaphthene	153	8.172	8.172	(1.005)	1491358	40.0000	40
	47 3-Nitroaniline	138	8.110	8.110	(0.997)	460867	40.0000	43
	48 2,4-Dinitrophenol	184	8.216	8.216	(1.010)	255782	40.0000	41
	49 Dibenzofuran	168	8.355	8.355	(1.027)	2036032	40.0000	40
	50 2,4-Dinitrotoluene	165	8.359	8.359	(1.028)	538802	40.0000	41
	51 4-Nitrophenol	109	8.318	8.318	(1.023)	234282	40.0000	43
	52 Fluorene	166	8.719	8.719	(1.072)	1692911	40.0000	41
	53 4-Chlorophenyl-phenylether	204	8.728	8.728	(1.073)	815056	40.0000	41
	54 Diethylphthalate	149	8.629	8.629	(1.061)	1804520	40.0000	42
	55 4-Nitroaniline	138	8.766	8.766	(1.078)	447397	40.0000	42
$	56 2,4,6-Tribromophenol	330	8.977	8.977	(1.104)	250571	40.0000	42
*	57 Phenanthrene-d10	188	9.707	9.707	(1.000)	1089722	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.794	8.794	(0.906)	340111	40.0000	45
	59 N-Nitrosodiphenylamine (1)	169	8.862	8.862	(0.913)	1289523	40.0000	41
	60 1,2-Diphenylhydrazine	77	8.896	8.896	(0.916)	1887151	40.0000	41
	61 4-Bromophenyl-phenylether	248	9.244	9.244	(0.952)	481369	40.0000	42
	131 Atrazine	200	9.446	9.446	(0.973)	464403	40.0000	43
	62 Hexachlorobenzene	284	9.310	9.310	(0.959)	521695	40.0000	42
	63 Pentachlorophenol	266	9.521	9.521	(0.981)	295160	40.0000	40
	64 Phenanthrene	178	9.735	9.735	(1.003)	2526075	40.0000	41
	65 Carbazole	167	9.969	9.969	(1.027)	2379753	40.0000	42
	66 Anthracene	178	9.791	9.791	(1.009)	2612835	40.0000	42
	67 Di-n-butylphthalate	149	10.354	10.354	(1.067)	3127549	40.0000	42
	68 Fluoranthene	202	10.994	10.994	(1.133)	2696267	40.0000	42
*	70 Chrysene-d12	240	12.610	12.610	(1.000)	930266	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
71	Benzidine	184	11.137	11.137	(0.883)	600577	40.0000	50
72	Pyrene	202	11.234	11.234	(0.891)	2734380	40.0000	42
$ 73	Terphenyl-d14	244	11.404	11.404	(0.904)	1815875	40.0000	42
74	Butylbenzylphthalate	149	11.939	11.939	(0.947)	1249052	40.0000	44
124	3,3'-Dimethylbenzidine	212	11.914	11.914	(0.945)	506709	40.0000	45
75	3,3'-Dichlorobenzidine	252	12.573	12.573	(0.997)	659055	40.0000	43
76	Benzo(a)anthracene	228	12.595	12.595	(0.999)	2265998	40.0000	42
77	Chrysene	228	12.648	12.648	(1.003)	2134647	40.0000	41
78	Bis(2-Ethylhexyl)phthalate	149	12.648	12.648	(1.003)	1446248	40.0000	44
* 79	Perylene-d12	264	14.830	14.830	(1.000)	619552	20.0000	
80	Di-n-octylphthalate	149	13.583	13.583	(0.916)	1708449	40.0000	42
81	Benzo(b)fluoranthene	252	14.180	14.180	(0.956)	1686679	40.0000	43
82	Benzo(k)fluoranthene	252	14.230	14.230	(0.960)	1710902	40.0000	43
83	Benzo(a)pyrene	252	14.733	14.733	(0.994)	1308250	40.0000	43
84	Indeno(1,2,3-cd)pyrene	276	16.865	16.865	(1.137)	668245	40.0000	41
85	Dibenzo(a,h)anthracene	278	16.921	16.921	(1.141)	642634	40.0000	42
86	Benzo(g,h,i)perylene	276	17.403	17.403	(1.174)	649596	40.0000	40
167	Simazine	201	9.418	9.418	(0.970)	299980	40.0000	43
103	1,2,4,5-Tetrachlorobenzene	216	7.212	7.212	(0.887)	307158	40.0000	43
109	2,3,4,6-Tetrachlorophenol	232	8.498	8.498	(1.045)	379948	40.0000	46
119	Pentachloronitrobenzene	237	9.537	9.537	(0.982)	207722	40.0000	42

QC Flag Legend

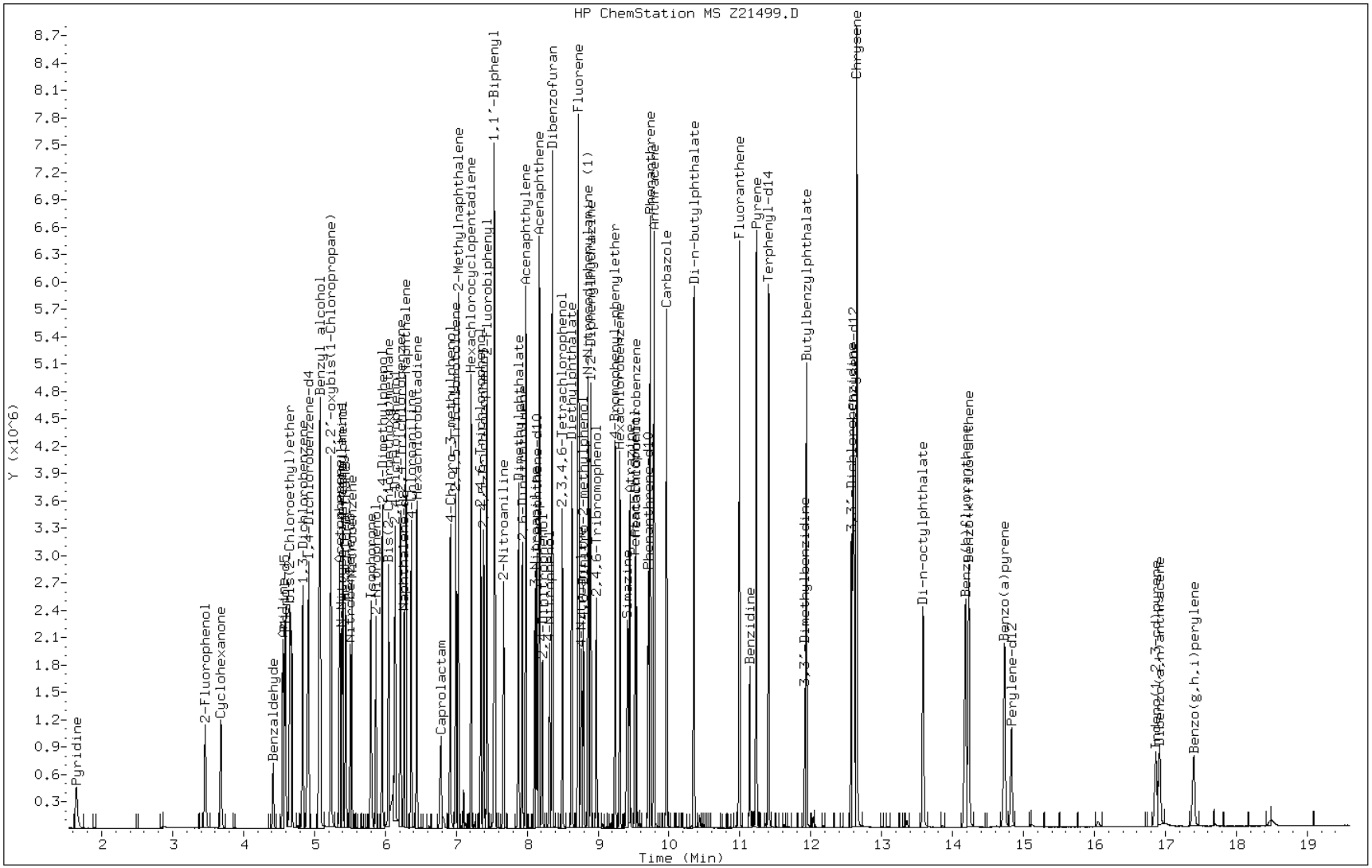
M - Compound response manually integrated.

Data File: Z21499.D

Date: 23-JUN-2011 08:38

Client ID: ICIS-628867 Instrument: msz.i

Sample Info: ICIS-628867 Operator: S.Jonas



Manual Integration Report

Data File: Z21499.D
Inj. Date and Time: 23-JUN-2011 08:38
Instrument ID: msz.i
Client ID: ICIS-628867
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 06/27/2011

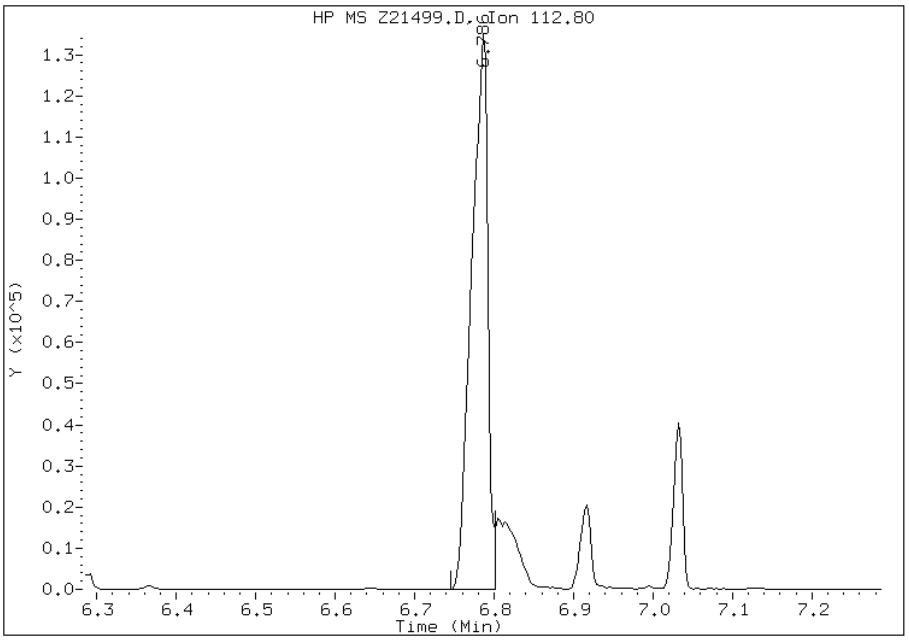
Processing Integration Results

RT: 6.79

Response: 198535

Amount: 40

Conc: 40



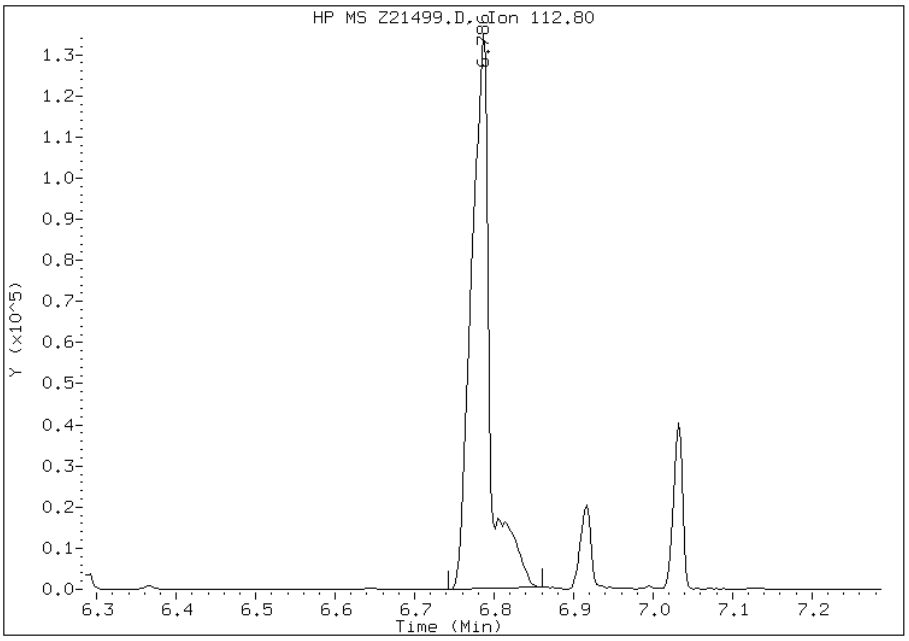
Manual Integration Results

RT: 6.79

Response: 226221

Amount: 44

Conc: 44



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

Manual Integration Report

Data File: Z21499.D
Inj. Date and Time: 23-JUN-2011 08:38
Instrument ID: msz.i
Client ID: ICIS-628867
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 06/27/2011

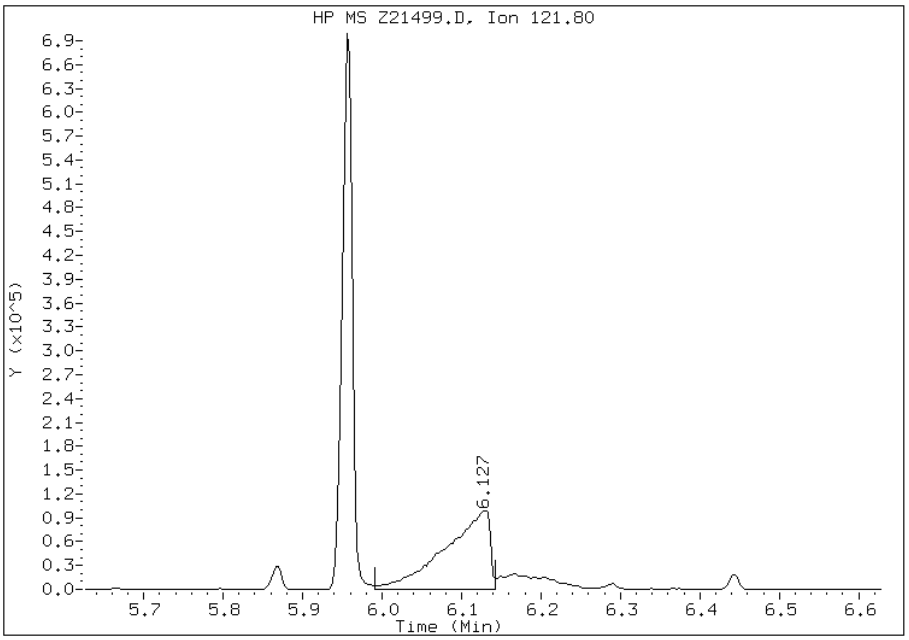
Processing Integration Results

RT: 6.13

Response: 387297

Amount: 40

Conc: 40



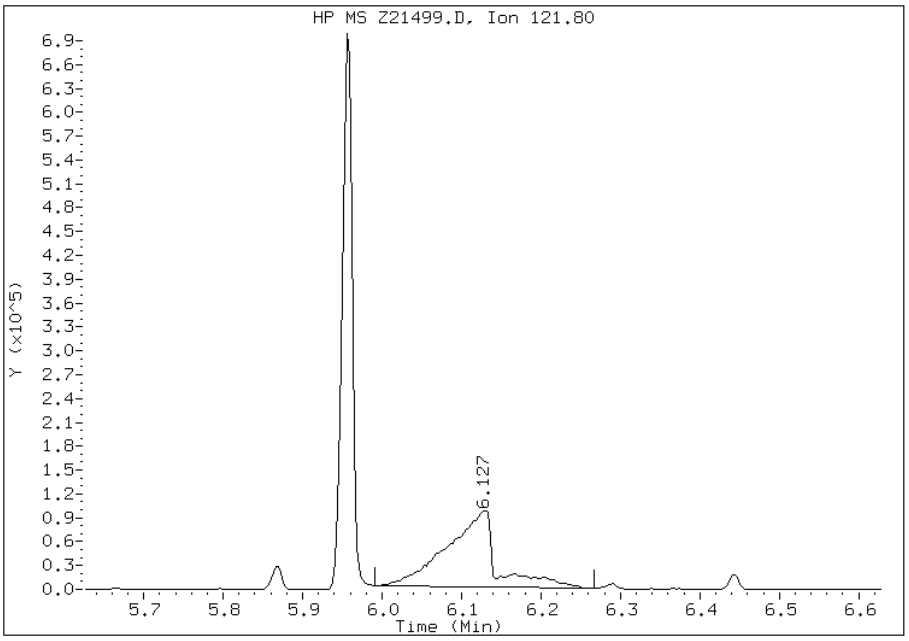
Manual Integration Results

RT: 6.13

Response: 419737

Amount: 43

Conc: 43



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

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\consvr05\files\Chem\BNA\msz.i\Z1121497.b\Z21500.D
Lab Smp Id: IC-622877 Client Smp ID: IC-622877
Inj Date : 23-JUN-2011 13:40
Operator : S.Jonas Inst ID: msz.i
Smp Info : IC-622877
Misc Info :
Comment :
Method : \\consvr05\files\Chem\BNA\msz.i\Z1121497.b\MSZ-8270C.m
Meth Date : 24-Jun-2011 13:12 stephan Quant Type: ISTD
Cal Date : 23-JUN-2011 13:40 Cal File: Z21500.D
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSC

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.899	4.899	(1.000)	238705	20.0000	
$ 2	2-Fluorophenol	112	3.457	3.457	(0.706)	28853	2.00000	2
$ 3	Phenol-d5	99	4.564	4.564	(0.931)	42682	2.00000	2
5	N-Nitrosodimethylamine	42	1.642	1.642	(0.335)	6096	2.00000	2
6	Cyclohexanone	42	3.687	3.687	(0.753)	16711	2.00000	3
128	Benzaldehyde	77	4.418	4.418	(0.902)	21949	2.00000	3
7	Phenol	94	4.579	4.579	(0.935)	47231	2.00000	2
8	Aniline	93	4.551	4.551	(0.929)	56215	2.00000	2
9	bis(2-Chloroethyl)ether	63	4.641	4.641	(0.947)	28316	2.00000	2
10	2-Chlorophenol	128	4.675	4.675	(0.954)	40193	2.00000	2
11	1,3-Dichlorobenzene	146	4.834	4.834	(0.987)	43762	2.00000	2
12	1,4-Dichlorobenzene	146	4.915	4.915	(1.003)	45963	2.00000	2
13	Benzyl alcohol	108	5.073	5.073	(1.036)	21230	2.00000	2
14	1,2-Dichlorobenzene	146	5.080	5.080	(1.037)	43583	2.00000	2
15	2,2'-oxybis(1-Chloropropane)	45	5.229	5.229	(1.067)	50351	2.00000	2
16	2-Methylphenol	108	5.222	5.222	(1.066)	36375	2.00000	2
92	Acetophenone	105	5.344	5.344	(1.091)	53357	2.00000	2
17	Hexachloroethane	117	5.440	5.440	(1.110)	18917	2.00000	2
18	N-Nitroso-di-n-propylamine	70	5.365	5.365	(1.095)	29227	2.00000	2
19	4-Methylphenol	108	5.387	5.387	(1.100)	38836	2.00000	2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
*	20 Naphthalene-d8	136	6.264	6.264	(1.000)	1095359	20.0000	
$	21 Nitrobenzene-d5	82	5.499	5.499	(0.878)	42543	2.00000	2
	22 Nitrobenzene	77	5.518	5.518	(0.881)	44753	2.00000	2
	23 Isophorone	82	5.785	5.785	(0.924)	78912	2.00000	2
	24 2-Nitrophenol	139	5.863	5.863	(0.936)	23263	2.00000	2
	25 2,4-Dimethylphenol	122	5.947	5.947	(0.949)	33130	2.00000	2
	26 Benzoic Acid	122	6.043	6.043	(0.965)	34469	2.00000	5
	27 Bis(2-Chloroethoxy)methane	93	6.037	6.037	(0.964)	52225	2.00000	2
	28 2,4-Dichlorophenol	162	6.130	6.130	(0.979)	33317	2.00000	2
	29 1,2,4-Trichlorobenzene	180	6.211	6.211	(0.992)	38024	2.00000	2
	30 Naphthalene	128	6.282	6.282	(1.003)	128834	2.00000	2
	31 4-Chloroaniline	127	6.360	6.360	(1.015)	51901	2.00000	2
	32 Hexachlorobutadiene	225	6.444	6.444	(1.029)	21307	2.00000	2
	129 Caprolactam	113	6.702	6.702	(1.070)	10722	2.00000	2
	33 4-Chloro-3-methylphenol	107	6.901	6.901	(1.102)	36714	2.00000	2
	34 2-Methylnaphthalene	142	7.028	7.028	(1.122)	87288	2.00000	2
*	35 Acenaphthene-d10	164	8.132	8.132	(1.000)	671075	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.991	6.991	(1.427)	34362	2.00000	2
	37 Hexachlorocyclopentadiene	237	7.209	7.209	(0.886)	18198	2.00000	2
	38 2,4,6-Trichlorophenol	196	7.339	7.339	(0.903)	24582	2.00000	2
	39 2,4,5-Trichlorophenol	196	7.376	7.376	(0.907)	64326	5.00000	5
$	40 2-Fluorobiphenyl	172	7.429	7.429	(0.914)	91262	2.00000	2
	130 1,1'-Biphenyl	154	7.529	7.529	(0.926)	104645	2.00000	2
	41 2-Chloronaphthalene	162	7.541	7.541	(0.927)	84400	2.00000	2
	42 2-Nitroaniline	65	7.659	7.659	(0.942)	23525	2.00000	2
	43 Acenaphthylene	152	7.976	7.976	(0.981)	135388	2.00000	2
	44 Dimethylphthalate	163	7.867	7.867	(0.968)	94202	2.00000	2
	45 2,6-Dinitrotoluene	165	7.920	7.920	(0.974)	20628	2.00000	2
	46 Acenaphthene	153	8.166	8.166	(1.004)	85843	2.00000	2
	47 3-Nitroaniline	138	8.094	8.094	(0.995)	22571	2.00000	2
	49 Dibenzofuran	168	8.349	8.349	(1.027)	120267	2.00000	2
	50 2,4-Dinitrotoluene	165	8.346	8.346	(1.026)	29467	2.00000	2
	51 4-Nitrophenol	109	8.300	8.300	(1.021)	26664	5.00000	5
	52 Fluorene	166	8.713	8.713	(1.071)	96796	2.00000	2
	53 4-Chlorophenyl-phenylether	204	8.722	8.722	(1.073)	46712	2.00000	2
	54 Diethylphthalate	149	8.620	8.620	(1.060)	98796	2.00000	2
	55 4-Nitroaniline	138	8.738	8.738	(1.075)	21898	2.00000	2
$	56 2,4,6-Tribromophenol	330	8.968	8.968	(1.103)	31455	5.00000	5
*	57 Phenanthrene-d10	188	9.704	9.704	(1.000)	1097290	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.775	8.775	(0.904)	31867	5.00000	4
	59 N-Nitrosodiphenylamine (1)	169	8.850	8.850	(0.912)	69747	2.00000	2
	60 1,2-Diphenylhydrazine	77	8.890	8.890	(0.916)	107711	2.00000	2
	61 4-Bromophenyl-phenylether	248	9.238	9.238	(0.952)	25897	2.00000	2
	131 Atrazine	200	9.428	9.428	(0.971)	23834	2.00000	2
	62 Hexachlorobenzene	284	9.303	9.303	(0.959)	27713	2.00000	2
	63 Pentachlorophenol	266	9.515	9.515	(0.980)	24670	5.00000	4
	64 Phenanthrene	178	9.729	9.729	(1.003)	139203	2.00000	2
	65 Carbazole	167	9.959	9.959	(1.026)	126206	2.00000	2
	66 Anthracene	178	9.782	9.782	(1.008)	139910	2.00000	2
	67 Di-n-butylphthalate	149	10.351	10.351	(1.067)	160361	2.00000	2
	68 Fluoranthene	202	10.988	10.988	(1.132)	140257	2.00000	2
*	70 Chrysene-d12	240	12.607	12.607	(1.000)	938409	20.0000	
	72 Pyrene	202	11.224	11.224	(0.890)	142786	2.00000	2
$	73 Terphenyl-d14	244	11.401	11.401	(0.904)	94761	2.00000	2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)	
74	Butylbenzylphthalate	149	11.933	11.933	(0.947)	59240	2.00000	2	
75	3,3'-Dichlorobenzidine	252	12.564	12.564	(0.997)	31193	2.00000	2	
76	Benzo(a)anthracene	228	12.589	12.589	(0.999)	119741	2.00000	2	
77	Chrysene	228	12.635	12.635	(1.002)	117304	2.00000	2	
78	Bis(2-Ethylhexyl)phthalate	149	12.648	12.648	(1.003)	68958	2.00000	2	
* 79	Perylene-d12	264	14.833	14.833	(1.000)	720220	20.0000		
80	Di-n-octylphthalate	149	13.580	13.580	(0.916)	67821	2.00000	3	
81	Benzo(b)fluoranthene	252	14.168	14.168	(0.955)	91390	2.00000	2(M)	
82	Benzo(k)fluoranthene	252	14.211	14.211	(0.958)	92042	2.00000	2	
83	Benzo(a)pyrene	252	14.715	14.715	(0.992)	71008	2.00000	2(M)	
84	Indeno(1,2,3-cd)pyrene	276	16.850	16.850	(1.136)	42452	2.00000	2	
85	Dibenzo(a,h)anthracene	278	16.912	16.912	(1.140)	37768	2.00000	2(M)	
86	Benzo(g,h,i)perylene	276	17.385	17.385	(1.172)	44417	2.00000	2(M)	
167	Simazine	201	9.390	9.390	(0.968)	14932	2.00000	5(H)	
103	1,2,4,5-Tetrachlorobenzene	216	7.209	7.209	(0.886)	17266	2.00000	2	
109	2,3,4,6-Tetrachlorophenol	232	8.492	8.492	(1.044)	17804	2.00000	2	
119	Pentachloronitrobenzene	237	9.530	9.530	(0.982)	10988	2.00000	2	

QC Flag Legend

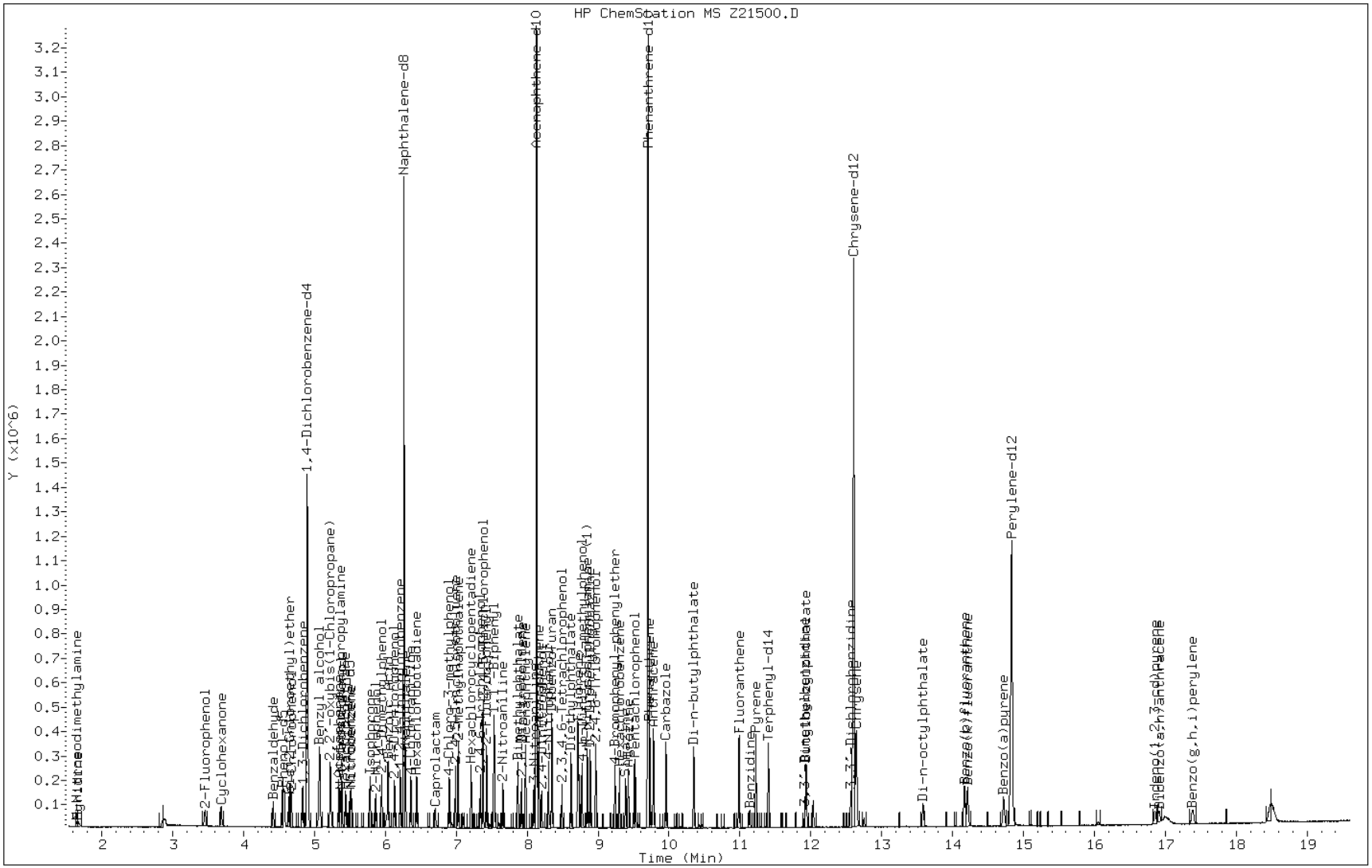
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: Z21500.D

Date: 23-JUN-2011 13:40

Client ID: IC-622877 Instrument: msz.i

Sample Info: IC-622877 Operator: S.Jonas



Manual Integration Report

Data File: Z21500.D
Inj. Date and Time: 23-JUN-2011 13:40
Instrument ID: msz.i
Client ID: IC-622877
Compound: 85 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 06/27/2011

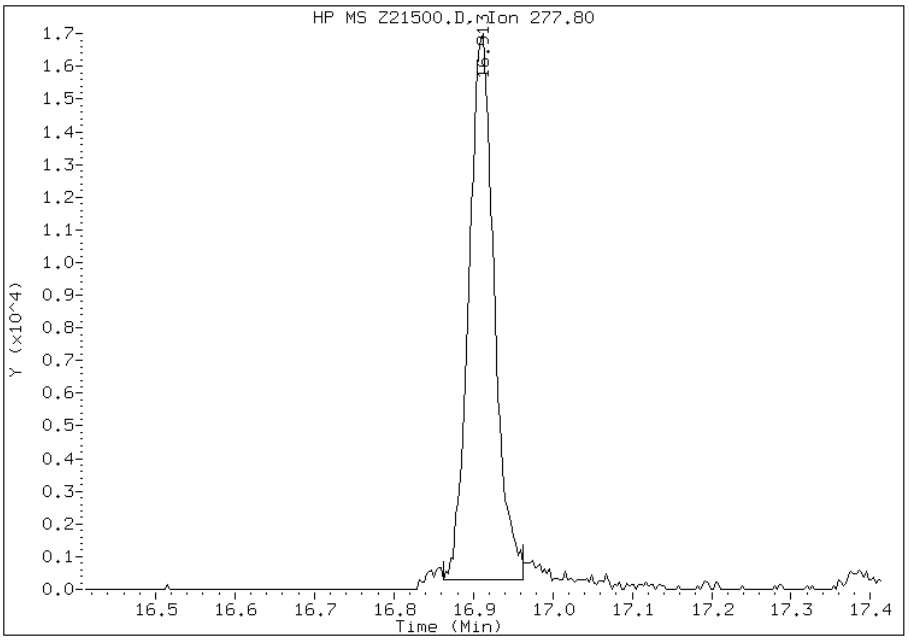
Processing Integration Results

RT: 16.91

Response: 37768

Amount: 2

Conc: 2



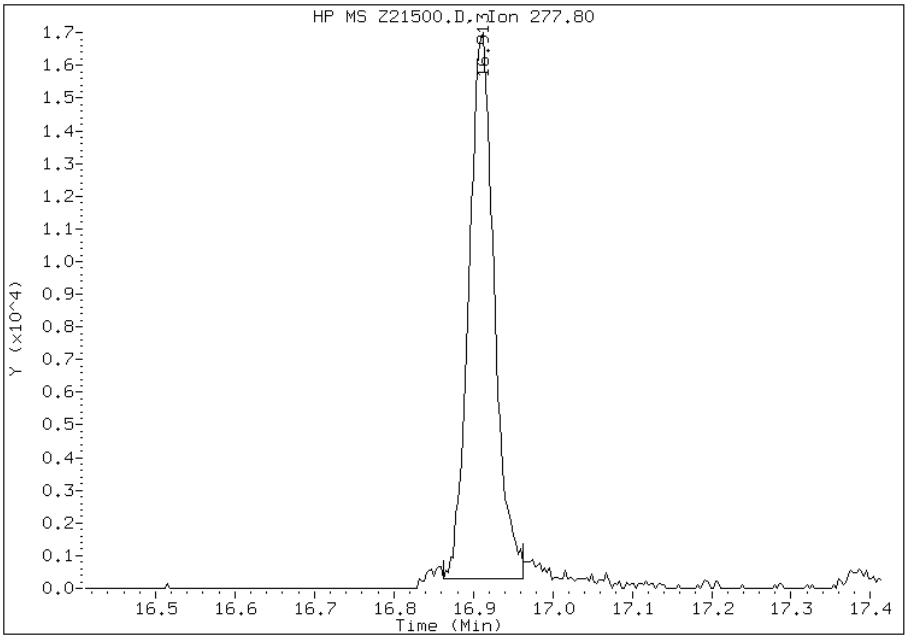
Manual Integration Results

RT: 16.91

Response: 37768

Amount: 2

Conc: 2



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

Manual Integration Report

Data File: Z21500.D
Inj. Date and Time: 23-JUN-2011 13:40
Instrument ID: msz.i
Client ID: IC-622877
Compound: 86 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 06/27/2011

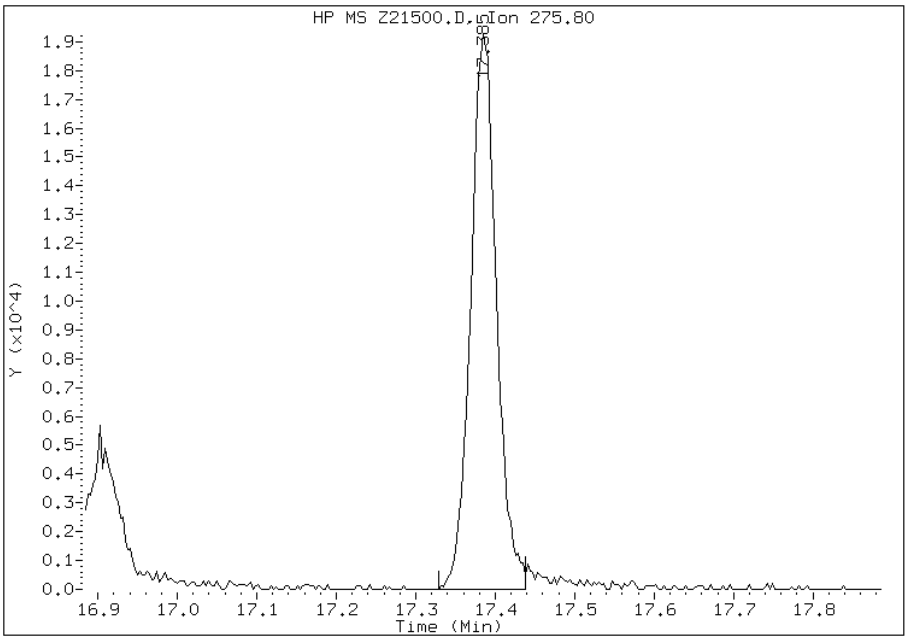
Processing Integration Results

RT: 17.39

Response: 44417

Amount: 2

Conc: 2



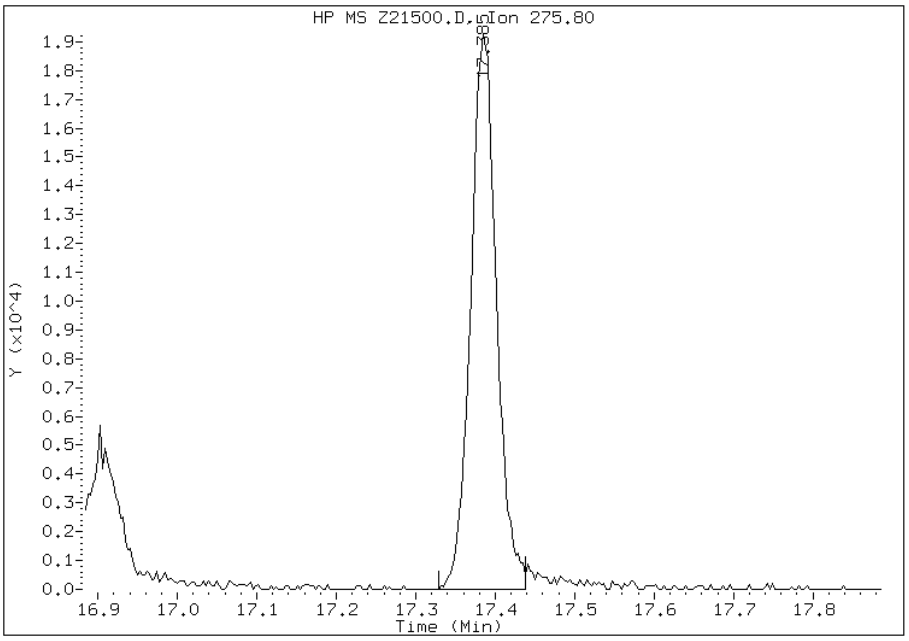
Manual Integration Results

RT: 17.39

Response: 44417

Amount: 2

Conc: 2



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

Manual Integration Report

Data File: Z21500.D
Inj. Date and Time: 23-JUN-2011 13:40
Instrument ID: msz.i
Client ID: IC-622877
Compound: 83 Benzo(a)pyrene
CAS #: 50-32-8
Report Date: 06/27/2011

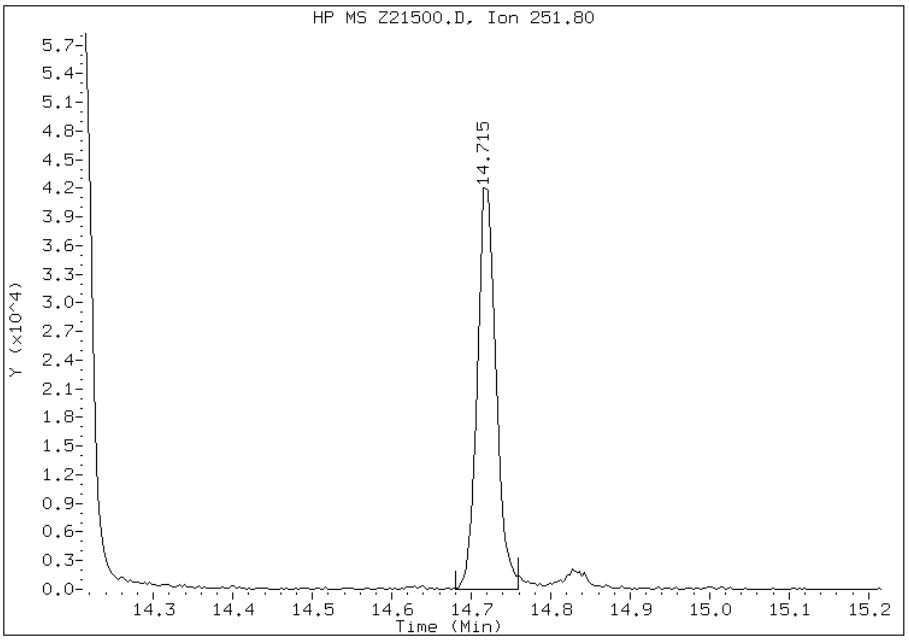
Processing Integration Results

RT: 14.72

Response: 71008

Amount: 2

Conc: 2



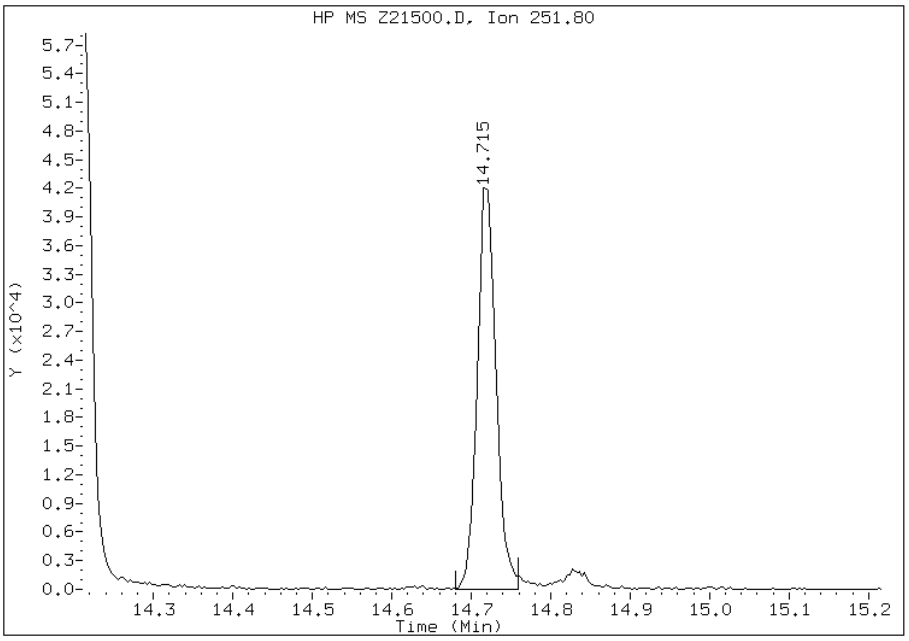
Manual Integration Results

RT: 14.72

Response: 71008

Amount: 2

Conc: 2



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

Manual Integration Report

Data File: Z21500.D
Inj. Date and Time: 23-JUN-2011 13:40
Instrument ID: msz.i
Client ID: IC-622877
Compound: 81 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 06/27/2011

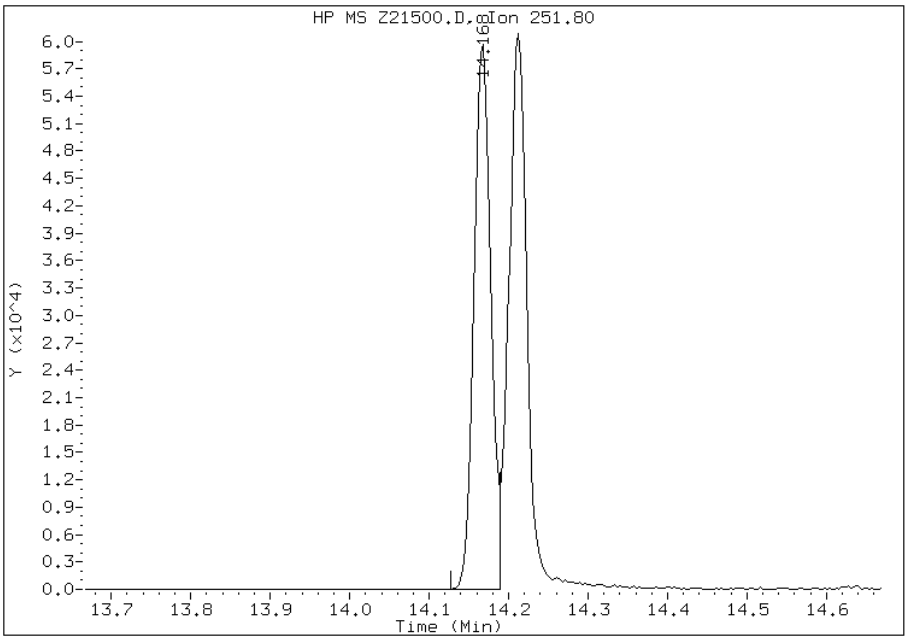
Processing Integration Results

RT: 14.17

Response: 91390

Amount: 2

Conc: 2



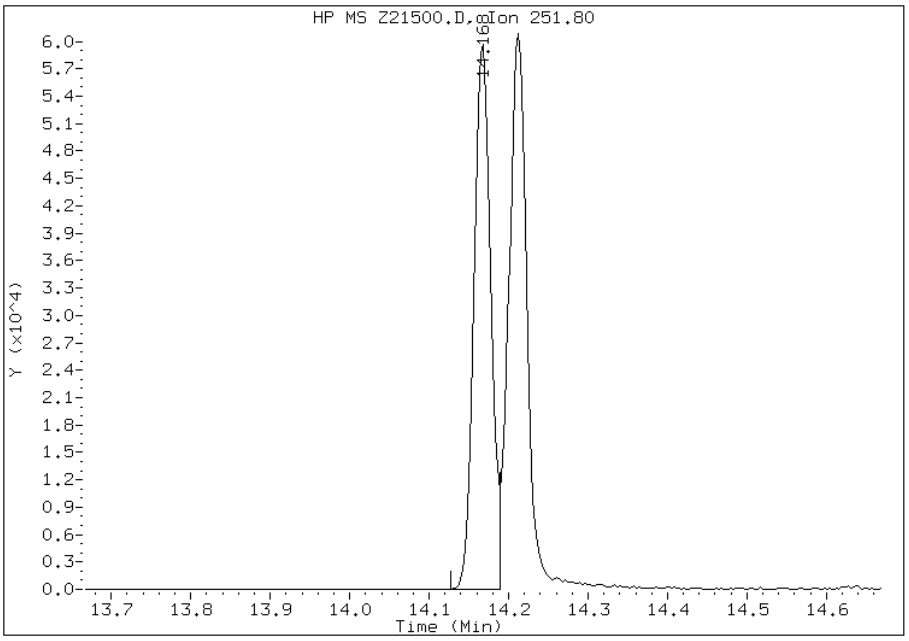
Manual Integration Results

RT: 14.17

Response: 91390

Amount: 2

Conc: 2



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

Manual Integration Report

Data File: Z21500.D
Inj. Date and Time: 23-JUN-2011 13:40
Instrument ID: msz.i
Client ID: IC-622877
Compound: 4 Pyridine
CAS #: 110-86-1
Report Date: 06/27/2011

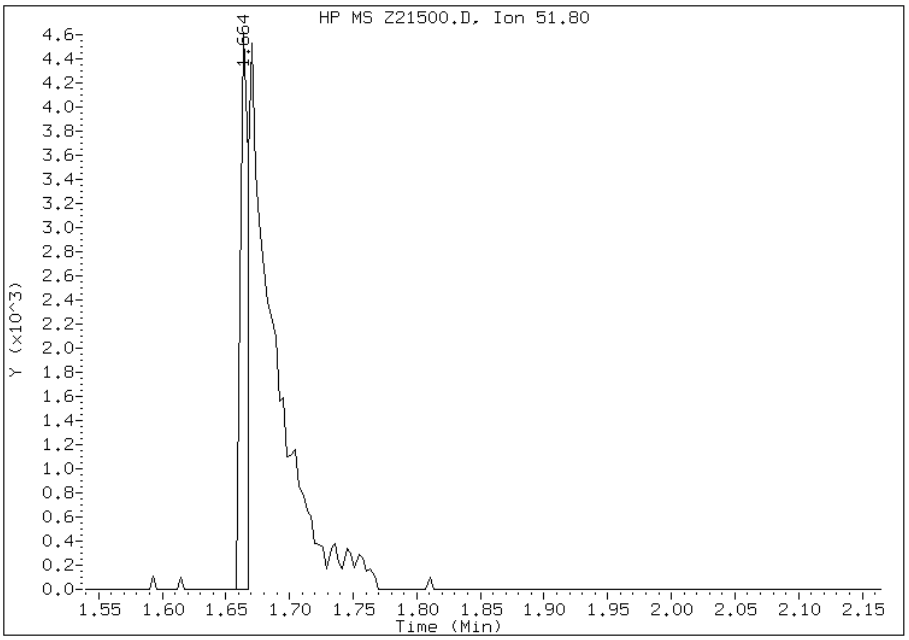
Processing Integration Results

RT: 1.66

Response: 1984

Amount: 1

Conc: 1



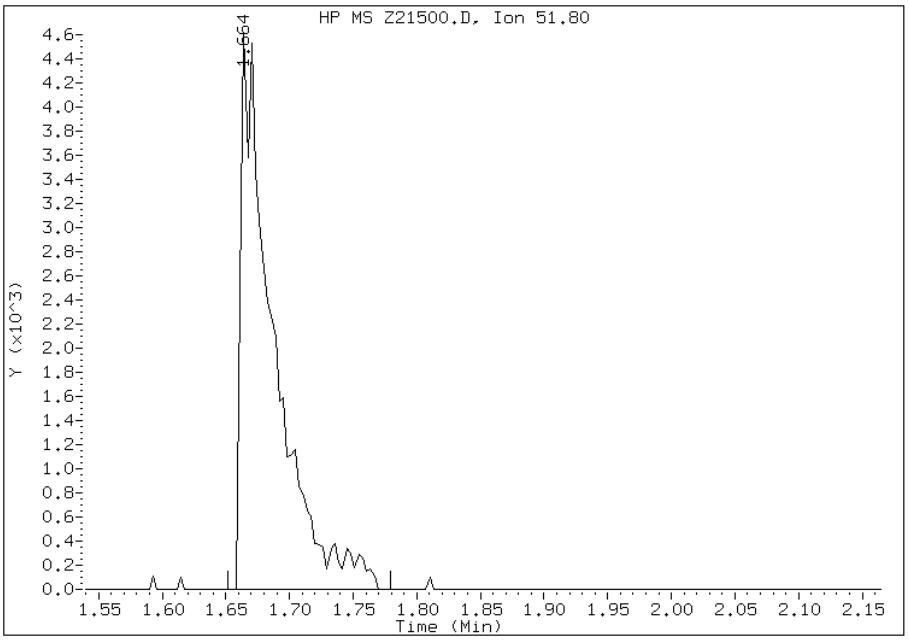
Manual Integration Results

RT: 1.66

Response: 8346

Amount: 2

Conc: 2



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

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\consvr05\files\Chem\BNA\msz.i\Z1121497.b\Z21501.D
Lab Smp Id: IC-622878 Client Smp ID: IC-622878
Inj Date : 23-JUN-2011 14:08
Operator : S.Jonas Inst ID: msz.i
Smp Info : IC-622878
Misc Info :
Comment :
Method : \\consvr05\files\Chem\BNA\msz.i\Z1121497.b\MSZ-8270C.m
Meth Date : 24-Jun-2011 13:12 stephan Quant Type: ISTD
Cal Date : 23-JUN-2011 14:08 Cal File: Z21501.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSC

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.896	4.896	(1.000)	227016	20.0000	
$ 2	2-Fluorophenol	112	3.457	3.457	(0.706)	50012	4.00000	4
$ 3	Phenol-d5	99	4.564	4.564	(0.932)	74693	4.00000	4
4	Pyridine	52	1.658	1.658	(0.339)	13819	4.00000	4(M)
5	N-Nitrosodimethylamine	42	1.639	1.639	(0.335)	10347	4.00000	4
6	Cyclohexanone	42	3.681	3.681	(0.752)	27709	4.00000	5
128	Benzaldehyde	77	4.418	4.418	(0.902)	40918	4.00000	6
7	Phenol	94	4.576	4.576	(0.935)	82363	4.00000	4
8	Aniline	93	4.548	4.548	(0.929)	94935	4.00000	4
9	bis(2-Chloroethyl)ether	63	4.641	4.641	(0.948)	49245	4.00000	4
10	2-Chlorophenol	128	4.672	4.672	(0.954)	69063	4.00000	4
11	1,3-Dichlorobenzene	146	4.834	4.834	(0.987)	76708	4.00000	4
12	1,4-Dichlorobenzene	146	4.915	4.915	(1.004)	79228	4.00000	4
13	Benzyl alcohol	108	5.073	5.073	(1.036)	39927	4.00000	4
14	1,2-Dichlorobenzene	146	5.076	5.076	(1.037)	75390	4.00000	4
15	2,2'-oxybis(1-Chloropropane)	45	5.229	5.229	(1.068)	86013	4.00000	4
16	2-Methylphenol	108	5.219	5.219	(1.066)	62375	4.00000	4
92	Acetophenone	105	5.344	5.344	(1.091)	93293	4.00000	4
17	Hexachloroethane	117	5.437	5.437	(1.110)	32392	4.00000	4
18	N-Nitroso-di-n-propylamine	70	5.365	5.365	(1.096)	50957	4.00000	4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.387	5.387	(1.100)	65996	4.00000	4
*	20 Naphthalene-d8	136	6.261	6.261	(1.000)	1063027	20.0000	
$	21 Nitrobenzene-d5	82	5.496	5.496	(0.878)	73750	4.00000	4
	22 Nitrobenzene	77	5.518	5.518	(0.881)	76751	4.00000	4
	23 Isophorone	82	5.782	5.782	(0.924)	135525	4.00000	4
	24 2-Nitrophenol	139	5.863	5.863	(0.936)	40045	4.00000	4
	25 2,4-Dimethylphenol	122	5.947	5.947	(0.950)	57907	4.00000	4
	26 Benzoic Acid	122	6.059	6.059	(0.968)	67070	10.0000	10
	27 Bis(2-Chloroethoxy)methane	93	6.037	6.037	(0.964)	88492	4.00000	4
	28 2,4-Dichlorophenol	162	6.127	6.127	(0.979)	59915	4.00000	4
	29 1,2,4-Trichlorobenzene	180	6.208	6.208	(0.992)	66619	4.00000	4
	30 Naphthalene	128	6.282	6.282	(1.003)	221996	4.00000	4
	31 4-Chloroaniline	127	6.357	6.357	(1.015)	88395	4.00000	4
	32 Hexachlorobutadiene	225	6.441	6.441	(1.029)	36740	4.00000	4
	129 Caprolactam	113	6.705	6.705	(1.071)	18372	4.00000	4
	33 4-Chloro-3-methylphenol	107	6.901	6.901	(1.102)	63966	4.00000	4
	34 2-Methylnaphthalene	142	7.025	7.025	(1.122)	149448	4.00000	4
*	35 Acenaphthene-d10	164	8.132	8.132	(1.000)	645116	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.988	6.988	(1.427)	61360	4.00000	4
	37 Hexachlorocyclopentadiene	237	7.209	7.209	(0.886)	35125	4.00000	4
	38 2,4,6-Trichlorophenol	196	7.339	7.339	(0.903)	42119	4.00000	4
	39 2,4,5-Trichlorophenol	196	7.376	7.376	(0.907)	110388	10.0000	10
$	40 2-Fluorobiphenyl	172	7.426	7.426	(0.913)	154280	4.00000	4
	130 1,1'-Biphenyl	154	7.529	7.529	(0.926)	181079	4.00000	4
	41 2-Chloronaphthalene	162	7.538	7.538	(0.927)	143621	4.00000	4
	42 2-Nitroaniline	65	7.656	7.656	(0.942)	40193	4.00000	4
	43 Acenaphthylene	152	7.976	7.976	(0.981)	231360	4.00000	4
	44 Dimethylphthalate	163	7.868	7.868	(0.968)	158137	4.00000	4
	45 2,6-Dinitrotoluene	165	7.917	7.917	(0.974)	36872	4.00000	4
	46 Acenaphthene	153	8.163	8.163	(1.004)	145758	4.00000	4
	47 3-Nitroaniline	138	8.094	8.094	(0.995)	39481	4.00000	4
	48 2,4-Dinitrophenol	184	8.203	8.203	(1.009)	38311	10.0000	10
	49 Dibenzofuran	168	8.346	8.346	(1.026)	204388	4.00000	4
	50 2,4-Dinitrotoluene	165	8.343	8.343	(1.026)	50237	4.00000	4
	51 4-Nitrophenol	109	8.300	8.300	(1.021)	47085	10.0000	9
	52 Fluorene	166	8.710	8.710	(1.071)	164912	4.00000	4
	53 4-Chlorophenyl-phenylether	204	8.722	8.722	(1.073)	78287	4.00000	4
	54 Diethylphthalate	149	8.617	8.617	(1.060)	163690	4.00000	4
	55 4-Nitroaniline	138	8.738	8.738	(1.075)	39349	4.00000	4
$	56 2,4,6-Tribromophenol	330	8.968	8.968	(1.103)	54542	10.0000	9
*	57 Phenanthrene-d10	188	9.704	9.704	(1.000)	1058368	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.772	8.772	(0.904)	59561	10.0000	8
	59 N-Nitrosodiphenylamine (1)	169	8.847	8.847	(0.912)	117491	4.00000	4
	60 1,2-Diphenylhydrazine	77	8.887	8.887	(0.916)	179530	4.00000	4
	61 4-Bromophenyl-phenylether	248	9.235	9.235	(0.952)	42385	4.00000	4
	131 Atrazine	200	9.425	9.425	(0.971)	38554	4.00000	4
	62 Hexachlorobenzene	284	9.300	9.300	(0.958)	46909	4.00000	4
	63 Pentachlorophenol	266	9.512	9.512	(0.980)	49482	10.0000	8
	64 Phenanthrene	178	9.726	9.726	(1.002)	233531	4.00000	4
	65 Carbazole	167	9.956	9.956	(1.026)	212762	4.00000	4
	66 Anthracene	178	9.779	9.779	(1.008)	235023	4.00000	4
	67 Di-n-butylphthalate	149	10.348	10.348	(1.066)	268145	4.00000	4
	68 Fluoranthene	202	10.985	10.985	(1.132)	234560	4.00000	4
*	70 Chrysene-d12	240	12.601	12.601	(1.000)	910746	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
72	Pyrene	202	11.224	11.224	(0.891)	239152	4.00000	4
$ 73	Terphenyl-d14	244	11.398	11.398	(0.905)	159149	4.00000	4
74	Butylbenzylphthalate	149	11.933	11.933	(0.947)	101676	4.00000	4
75	3,3'-Dichlorobenzidine	252	12.561	12.561	(0.997)	54809	4.00000	4
76	Benzo(a)anthracene	228	12.586	12.586	(0.999)	198122	4.00000	4
77	Chrysene	228	12.632	12.632	(1.002)	197042	4.00000	4
78	Bis(2-Ethylhexyl)phthalate	149	12.645	12.645	(1.003)	114675	4.00000	4
* 79	Perylene-d12	264	14.827	14.827	(1.000)	694030	20.0000	
80	Di-n-octylphthalate	149	13.574	13.574	(0.916)	112240	4.00000	4(M)
81	Benzo(b)fluoranthene	252	14.161	14.161	(0.955)	151731	4.00000	3
82	Benzo(k)fluoranthene	252	14.205	14.205	(0.958)	161155	4.00000	4
83	Benzo(a)pyrene	252	14.715	14.715	(0.992)	121633	4.00000	4
84	Indeno(1,2,3-cd)pyrene	276	16.847	16.847	(1.136)	71973	4.00000	4
85	Dibenzo(a,h)anthracene	278	16.903	16.903	(1.140)	61275	4.00000	4(M)
86	Benzo(g,h,i)perylene	276	17.378	17.378	(1.172)	72812	4.00000	4(M)
167	Simazine	201	9.387	9.387	(0.967)	24582	4.00000	7(H)
103	1,2,4,5-Tetrachlorobenzene	216	7.209	7.209	(0.886)	29943	5.00000	4
109	2,3,4,6-Tetrachlorophenol	232	8.489	8.489	(1.044)	31030	5.00000	4
119	Pentachloronitrobenzene	237	9.527	9.527	(0.982)	19140	4.00000	4

QC Flag Legend

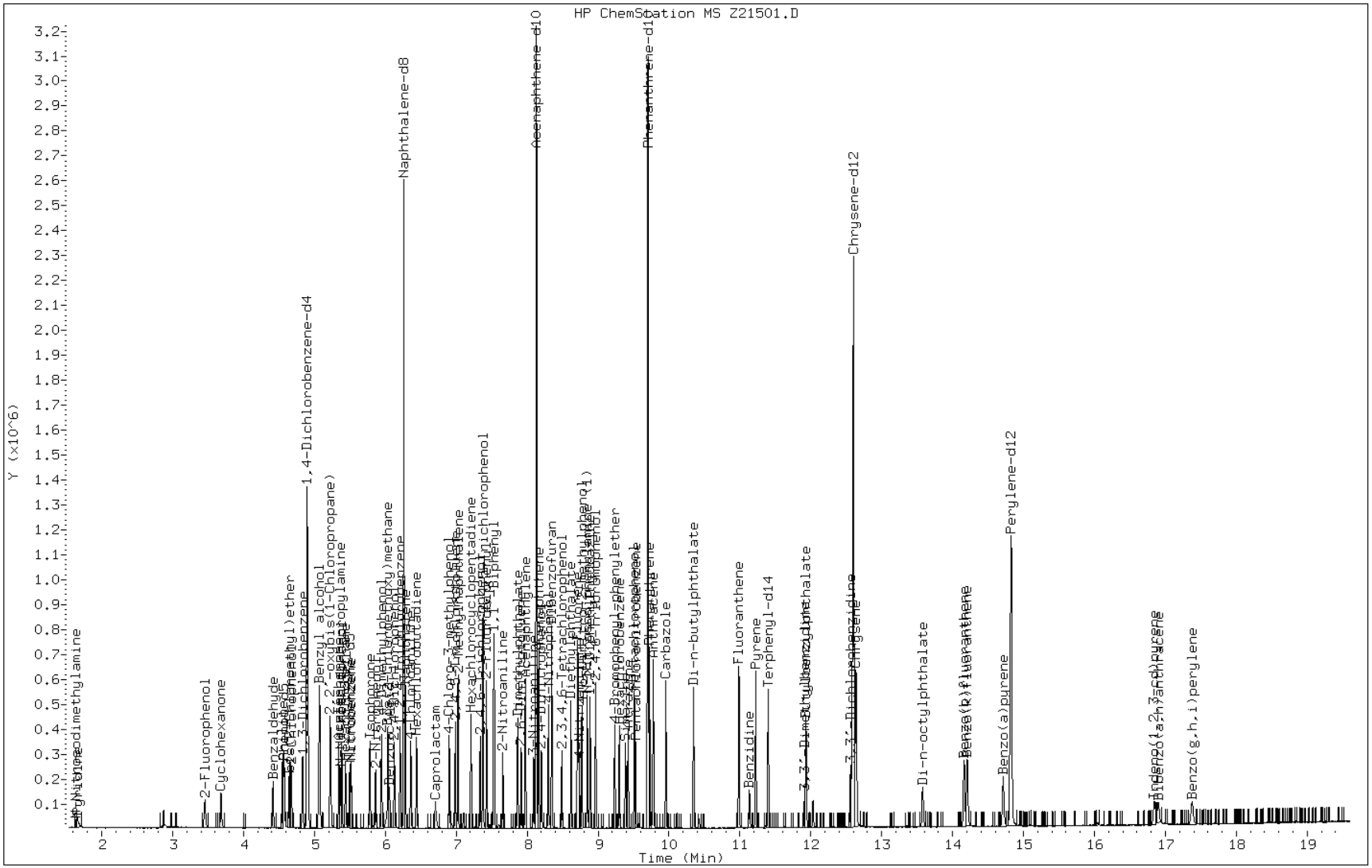
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: Z21501.D

Date: 23-JUN-2011 14:08

Client ID: IC-622878 Instrument: msz.i

Sample Info: IC-622878 Operator: S.Jonas



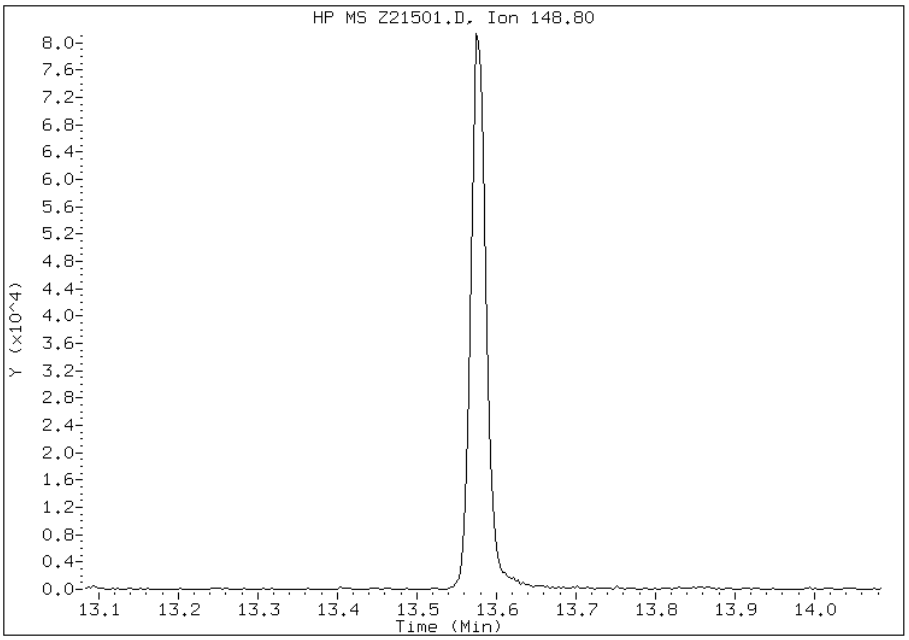
Manual Integration Report

Data File: Z21501.D
Inj. Date and Time: 23-JUN-2011 14:08
Instrument ID: msz.i
Client ID: IC-622878
Compound: 80 Di-n-octylphthalate
CAS #: 117-84-0
Report Date: 06/27/2011

Processing Integration Results

Not Detected

Expected RT: 13.58



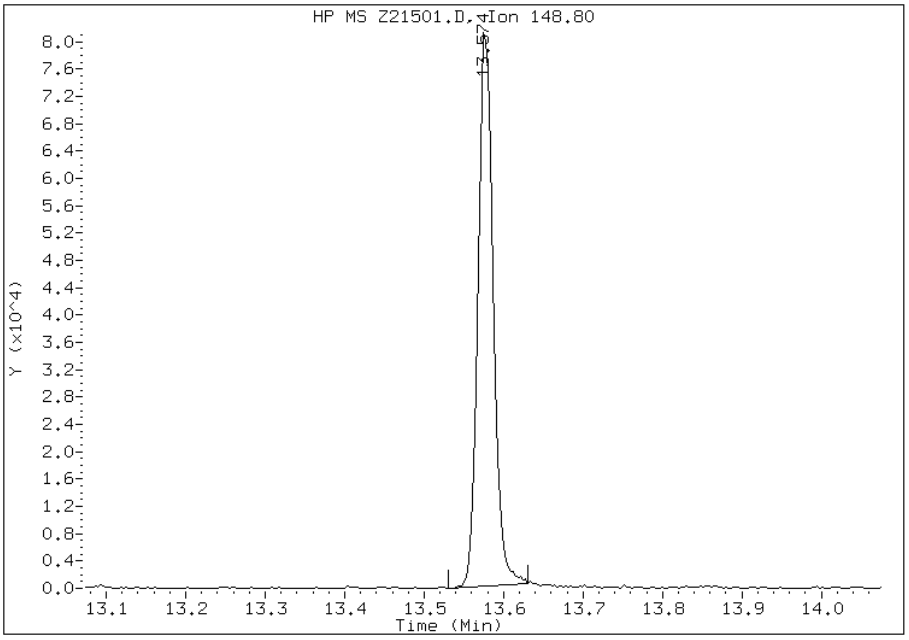
Manual Integration Results

RT: 13.57

Response: 112240

Amount: 4

Conc: 4



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak identification

Manual Integration Report

Data File: Z21501.D
Inj. Date and Time: 23-JUN-2011 14:08
Instrument ID: msz.i
Client ID: IC-622878
Compound: 4 Pyridine
CAS #: 110-86-1
Report Date: 06/27/2011

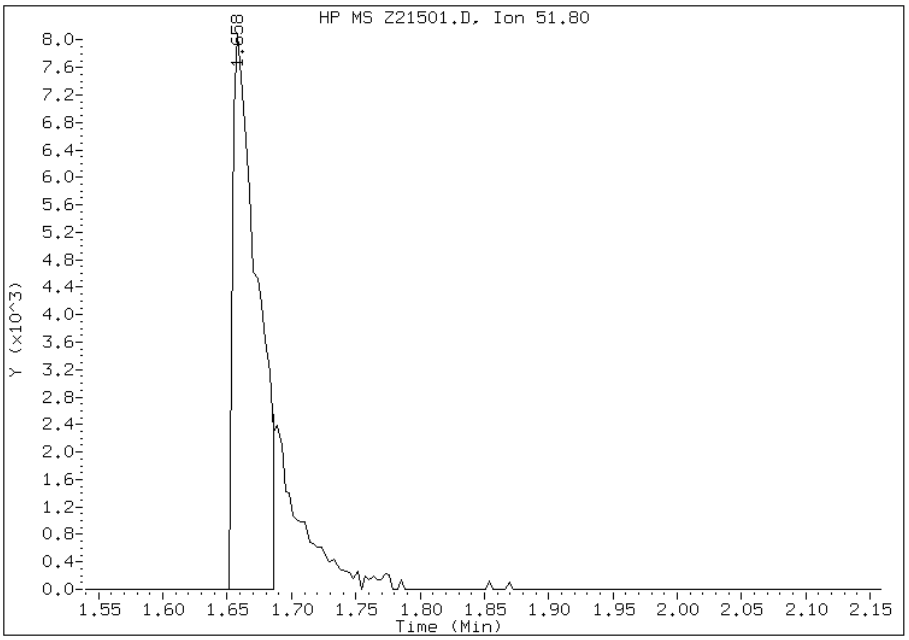
Processing Integration Results

RT: 1.66

Response: 10685

Amount: 4

Conc: 4



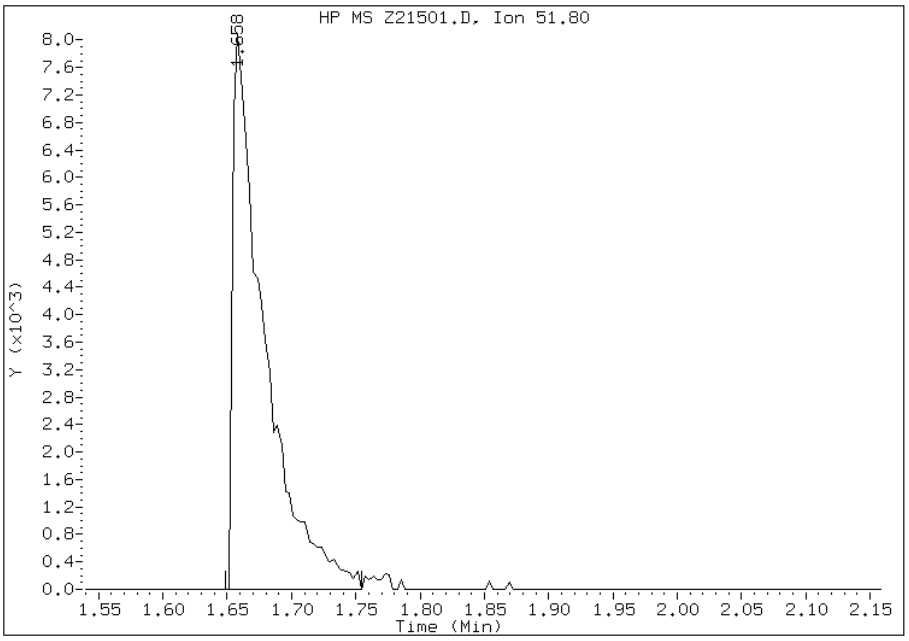
Manual Integration Results

RT: 1.66

Response: 13819

Amount: 4

Conc: 4



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

Manual Integration Report

Data File: Z21501.D
Inj. Date and Time: 23-JUN-2011 14:08
Instrument ID: msz.i
Client ID: IC-622878
Compound: 85 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 06/27/2011

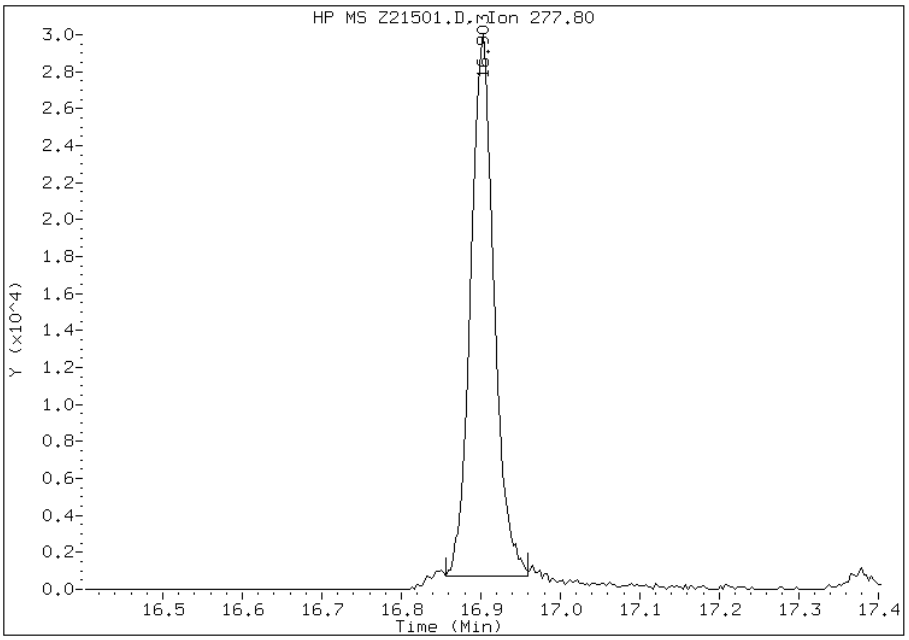
Processing Integration Results

RT: 16.90

Response: 61275

Amount: 4

Conc: 4



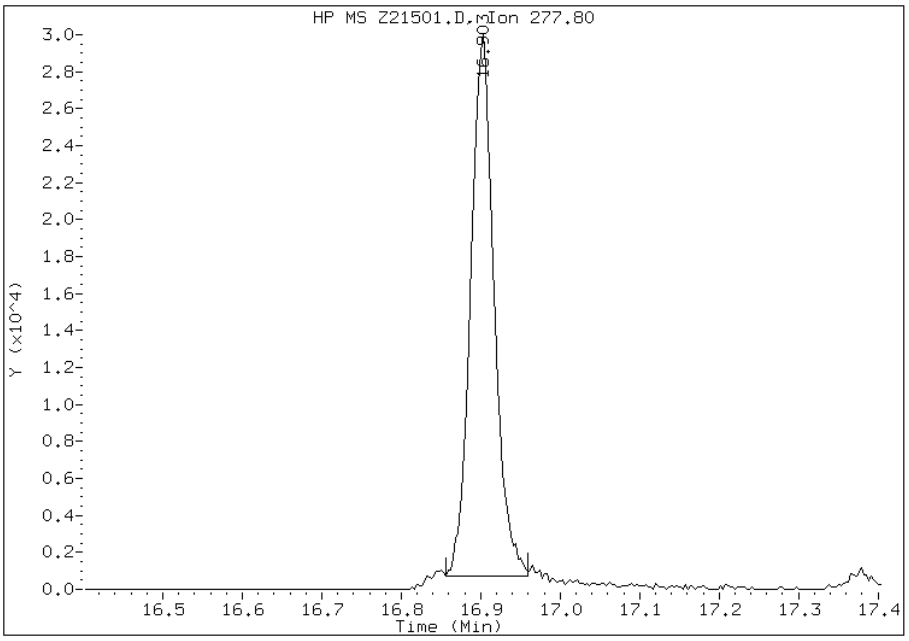
Manual Integration Results

RT: 16.90

Response: 61275

Amount: 4

Conc: 4



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

Manual Integration Report

Data File: Z21501.D
Inj. Date and Time: 23-JUN-2011 14:08
Instrument ID: msz.i
Client ID: IC-622878
Compound: 86 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 06/27/2011

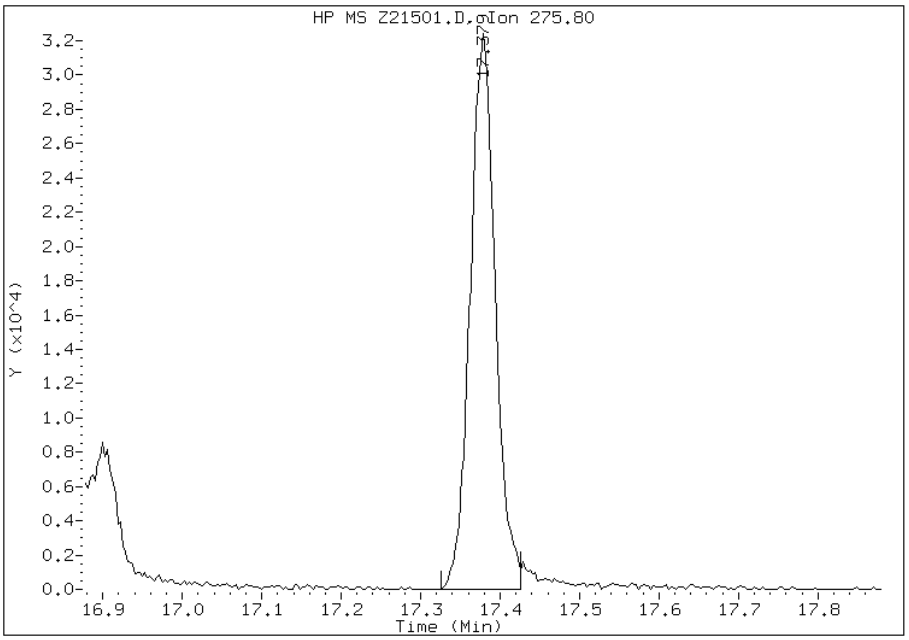
Processing Integration Results

RT: 17.38

Response: 72812

Amount: 4

Conc: 4



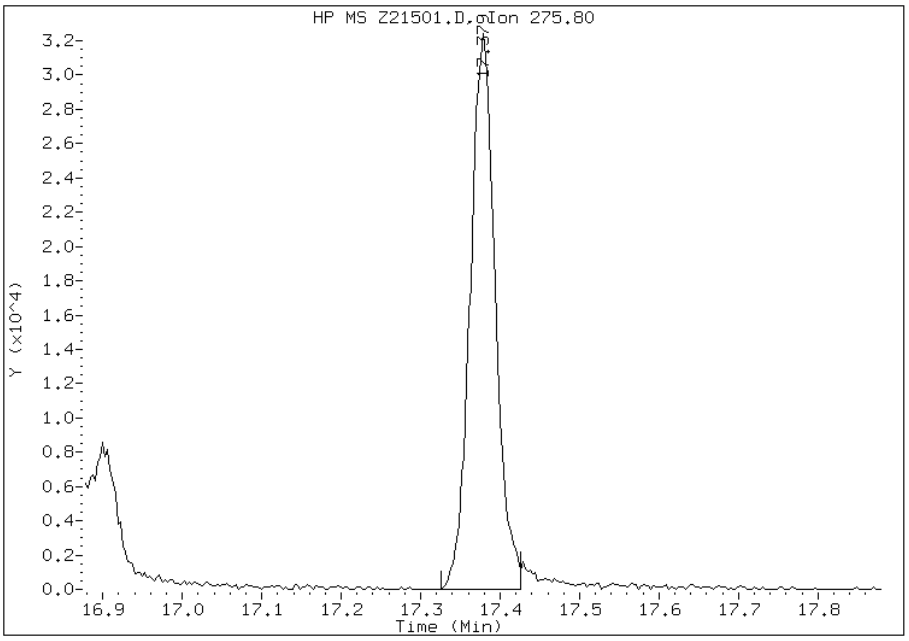
Manual Integration Results

RT: 17.38

Response: 72812

Amount: 4

Conc: 4



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

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\consvr05\files\Chem\BNA\msz.i\Z1121497.b\Z21502.D
Lab Smp Id: IC-622879 Client Smp ID: IC-622879
Inj Date : 23-JUN-2011 14:35
Operator : S.Jonas Inst ID: msz.i
Smp Info : IC-622879
Misc Info :
Comment :
Method : \\consvr05\files\Chem\BNA\msz.i\Z1121497.b\MSZ-8270C.m
Meth Date : 24-Jun-2011 13:12 stephan Quant Type: ISTD
Cal Date : 23-JUN-2011 14:35 Cal File: Z21502.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSC

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.896	4.896	(1.000)	226578	20.0000	
$ 2	2-Fluorophenol	112	3.454	3.454	(0.705)	124970	10.0000	10
$ 3	Phenol-d5	99	4.567	4.567	(0.933)	184533	10.0000	10
4	Pyridine	52	1.651	1.651	(0.337)	33267	10.0000	9(M)
5	N-Nitrosodimethylamine	42	1.636	1.636	(0.334)	26829	10.0000	10
6	Cyclohexanone	42	3.681	3.681	(0.752)	61896	10.0000	11
128	Benzaldehyde	77	4.414	4.414	(0.902)	97763	10.0000	13
7	Phenol	94	4.579	4.579	(0.935)	199937	10.0000	10
8	Aniline	93	4.548	4.548	(0.929)	219370	10.0000	10
9	bis(2-Chloroethyl)ether	63	4.641	4.641	(0.948)	118868	10.0000	10
10	2-Chlorophenol	128	4.672	4.672	(0.954)	169026	10.0000	10
11	1,3-Dichlorobenzene	146	4.834	4.834	(0.987)	188705	10.0000	10
12	1,4-Dichlorobenzene	146	4.915	4.915	(1.004)	195546	10.0000	10
13	Benzyl alcohol	108	5.073	5.073	(1.036)	100643	10.0000	10
14	1,2-Dichlorobenzene	146	5.076	5.076	(1.037)	186645	10.0000	10
15	2,2'-oxybis(1-Chloropropane)	45	5.229	5.229	(1.068)	207781	10.0000	10
16	2-Methylphenol	108	5.223	5.223	(1.067)	153218	10.0000	10
92	Acetophenone	105	5.347	5.347	(1.092)	227646	10.0000	10
17	Hexachloroethane	117	5.440	5.440	(1.111)	81175	10.0000	10
18	N-Nitroso-di-n-propylamine	70	5.366	5.366	(1.096)	125122	10.0000	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.387	5.387	(1.100)	165200	10.0000	10
*	20 Naphthalene-d8	136	6.261	6.261	(1.000)	1056686	20.0000	
$	21 Nitrobenzene-d5	82	5.499	5.499	(0.878)	185471	10.0000	10
	22 Nitrobenzene	77	5.518	5.518	(0.881)	188365	10.0000	10
	23 Isophorone	82	5.785	5.785	(0.924)	343443	10.0000	10
	24 2-Nitrophenol	139	5.863	5.863	(0.936)	102715	10.0000	10
	25 2,4-Dimethylphenol	122	5.947	5.947	(0.950)	150200	10.0000	10
	26 Benzoic Acid	122	6.105	6.105	(0.975)	207462	25.0000	27(M)
	27 Bis(2-Chloroethoxy)methane	93	6.037	6.037	(0.964)	218198	10.0000	10
	28 2,4-Dichlorophenol	162	6.130	6.130	(0.979)	148919	10.0000	10
	29 1,2,4-Trichlorobenzene	180	6.208	6.208	(0.992)	164304	10.0000	10
	30 Naphthalene	128	6.282	6.282	(1.003)	544286	10.0000	10
	31 4-Chloroaniline	127	6.360	6.360	(1.016)	221016	10.0000	10
	32 Hexachlorobutadiene	225	6.441	6.441	(1.029)	93062	10.0000	10
	129 Caprolactam	113	6.727	6.727	(1.074)	50765	10.0000	10(M)
	33 4-Chloro-3-methylphenol	107	6.904	6.904	(1.103)	166180	10.0000	10
	34 2-Methylnaphthalene	142	7.025	7.025	(1.122)	376088	10.0000	10
*	35 Acenaphthene-d10	164	8.132	8.132	(1.000)	651073	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.988	6.988	(1.427)	150381	10.0000	10
	37 Hexachlorocyclopentadiene	237	7.209	7.209	(0.886)	97882	10.0000	10
	38 2,4,6-Trichlorophenol	196	7.339	7.339	(0.903)	109067	10.0000	10
	39 2,4,5-Trichlorophenol	196	7.376	7.376	(0.907)	281015	25.0000	24
$	40 2-Fluorobiphenyl	172	7.429	7.429	(0.914)	388801	10.0000	10
	130 1,1'-Biphenyl	154	7.529	7.529	(0.926)	448473	10.0000	10
	41 2-Chloronaphthalene	162	7.538	7.538	(0.927)	358637	10.0000	10
	42 2-Nitroaniline	65	7.659	7.659	(0.942)	104810	10.0000	10
	43 Acenaphthylene	152	7.976	7.976	(0.981)	590090	10.0000	10
	44 Dimethylphthalate	163	7.868	7.868	(0.968)	405885	10.0000	10
	45 2,6-Dinitrotoluene	165	7.920	7.920	(0.974)	96184	10.0000	10
	46 Acenaphthene	153	8.166	8.166	(1.004)	366904	10.0000	10
	47 3-Nitroaniline	138	8.094	8.094	(0.995)	105988	10.0000	10
	48 2,4-Dinitrophenol	184	8.206	8.206	(1.009)	130657	25.0000	23
	49 Dibenzofuran	168	8.349	8.349	(1.027)	515870	10.0000	10
	50 2,4-Dinitrotoluene	165	8.346	8.346	(1.026)	132458	10.0000	10
	51 4-Nitrophenol	109	8.306	8.306	(1.021)	128337	25.0000	24
	52 Fluorene	166	8.713	8.713	(1.071)	420063	10.0000	10
	53 4-Chlorophenyl-phenylether	204	8.722	8.722	(1.073)	199438	10.0000	10
	54 Diethylphthalate	149	8.620	8.620	(1.060)	424351	10.0000	10
	55 4-Nitroaniline	138	8.744	8.744	(1.075)	102821	10.0000	10
$	56 2,4,6-Tribromophenol	330	8.968	8.968	(1.103)	144265	25.0000	24
*	57 Phenanthrene-d10	188	9.704	9.704	(1.000)	1082723	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.778	8.778	(0.905)	181775	25.0000	24
	59 N-Nitrosodiphenylamine (1)	169	8.850	8.850	(0.912)	304505	10.0000	10
	60 1,2-Diphenylhydrazine	77	8.890	8.890	(0.916)	457087	10.0000	10
	61 4-Bromophenyl-phenylether	248	9.238	9.238	(0.952)	109717	10.0000	10
	131 Atrazine	200	9.428	9.428	(0.971)	100347	10.0000	9
	62 Hexachlorobenzene	284	9.300	9.300	(0.958)	118852	10.0000	10
	63 Pentachlorophenol	266	9.515	9.515	(0.980)	154520	25.0000	24
	64 Phenanthrene	178	9.729	9.729	(1.003)	597892	10.0000	10
	65 Carbazole	167	9.956	9.956	(1.026)	556562	10.0000	10
	66 Anthracene	178	9.782	9.782	(1.008)	610275	10.0000	10
	67 Di-n-butylphthalate	149	10.348	10.348	(1.066)	717370	10.0000	10
	68 Fluoranthene	202	10.988	10.988	(1.132)	616313	10.0000	10
*	70 Chrysene-d12	240	12.604	12.604	(1.000)	943325	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	71 Benzidine	184	11.134	11.134	(0.883)	134005	10.0000	11
	72 Pyrene	202	11.224	11.224	(0.891)	629678	10.0000	10
$	73 Terphenyl-d14	244	11.401	11.401	(0.905)	418730	10.0000	10
	74 Butylbenzylphthalate	149	11.933	11.933	(0.947)	276508	10.0000	9
	124 3,3'-Dimethylbenzidine	212	11.911	11.911	(0.945)	114177	10.0000	10
	75 3,3'-Dichlorobenzidine	252	12.564	12.564	(0.997)	150030	10.0000	10
	76 Benzo(a)anthracene	228	12.586	12.586	(0.999)	523381	10.0000	10
	77 Chrysene	228	12.635	12.635	(1.002)	512306	10.0000	10
	78 Bis(2-Ethylhexyl)phthalate	149	12.645	12.645	(1.003)	313785	10.0000	9
*	79 Perylene-d12	264	14.827	14.827	(1.000)	717423	20.0000	
	80 Di-n-octylphthalate	149	13.577	13.577	(0.916)	331073	10.0000	9
	81 Benzo(b)fluoranthene	252	14.168	14.168	(0.956)	412008	10.0000	9
	82 Benzo(k)fluoranthene	252	14.211	14.211	(0.958)	421206	10.0000	9
	83 Benzo(a)pyrene	252	14.718	14.718	(0.993)	326043	10.0000	9
	84 Indeno(1,2,3-cd)pyrene	276	16.850	16.850	(1.136)	187035	10.0000	10
	85 Dibenzo(a,h)anthracene	278	16.906	16.906	(1.140)	166469	10.0000	9
	86 Benzo(g,h,i)perylene	276	17.381	17.381	(1.172)	186088	10.0000	10
	167 Simazine	201	9.394	9.394	(0.968)	63859	10.0000	15(H)
	103 1,2,4,5-Tetrachlorobenzene	216	7.209	7.209	(0.886)	75872	10.0000	11
	109 2,3,4,6-Tetrachlorophenol	232	8.489	8.489	(1.044)	87213	10.0000	10
	119 Pentachloronitrobenzene	237	9.530	9.530	(0.982)	50968	10.0000	10

QC Flag Legend

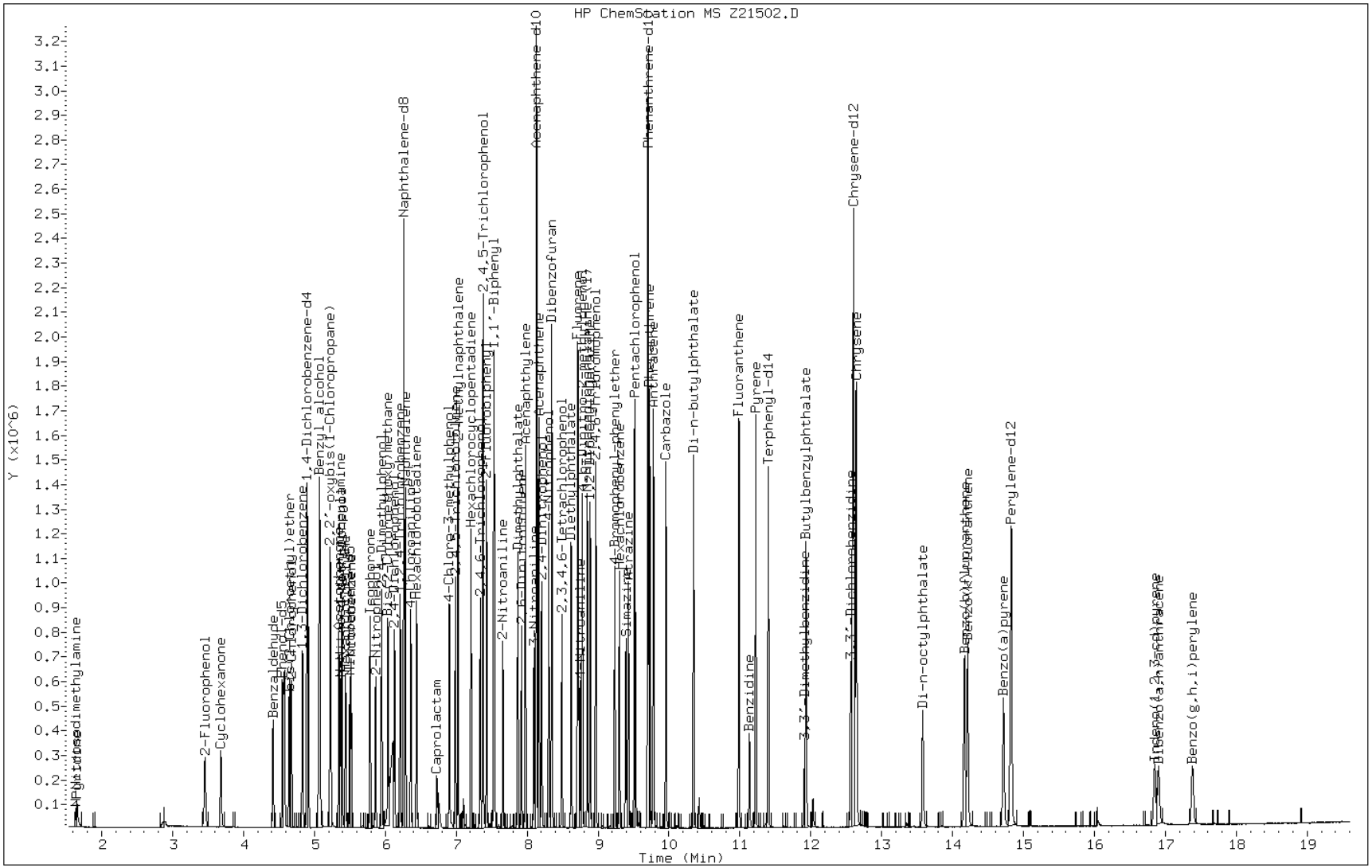
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: Z21502.D

Date: 23-JUN-2011 14:35

Client ID: IC-622879 Instrument: msz.i

Sample Info: IC-622879 Operator: S.Jonas



Manual Integration Report

Data File: Z21502.D
Inj. Date and Time: 23-JUN-2011 14:35
Instrument ID: msz.i
Client ID: IC-622879
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 06/24/2011

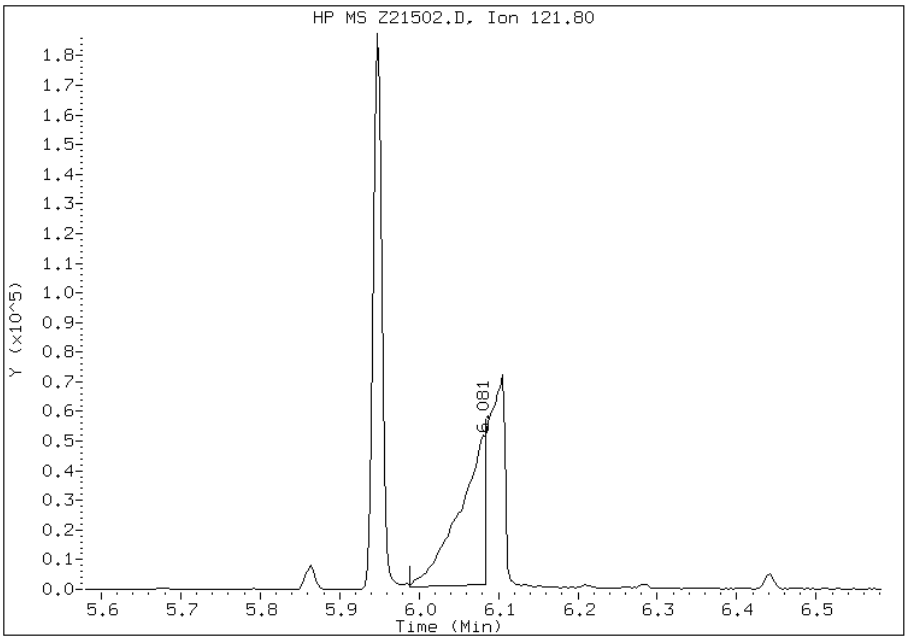
Processing Integration Results

RT: 6.08

Response: 118215

Amount: 17

Conc: 17



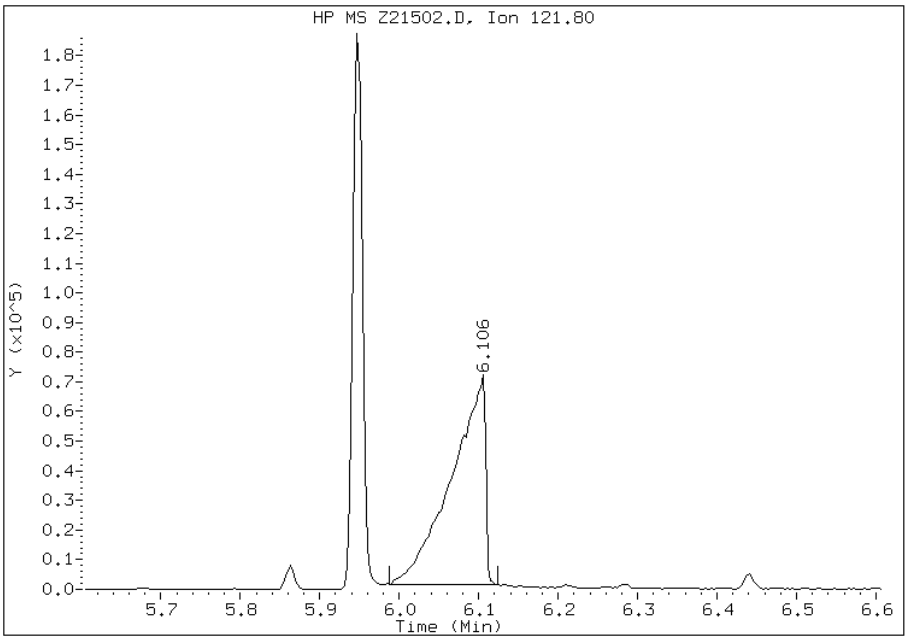
Manual Integration Results

RT: 6.11

Response: 207462

Amount: 27

Conc: 27



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

Manual Integration Report

Data File: Z21502.D
Inj. Date and Time: 23-JUN-2011 14:35
Instrument ID: msz.i
Client ID: IC-622879
Compound: 4 Pyridine
CAS #: 110-86-1
Report Date: 06/24/2011

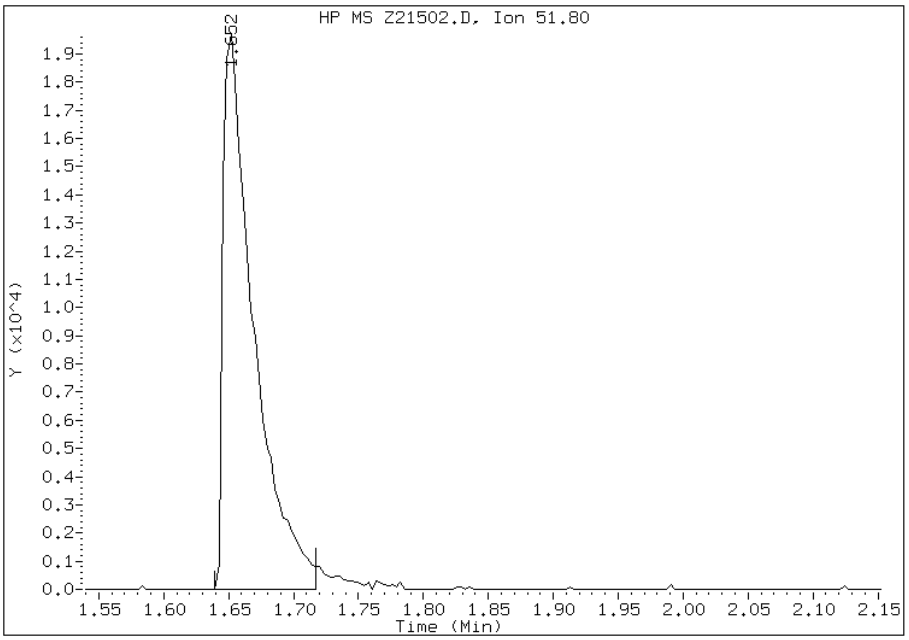
Processing Integration Results

RT: 1.65

Response: 32873

Amount: 9

Conc: 9



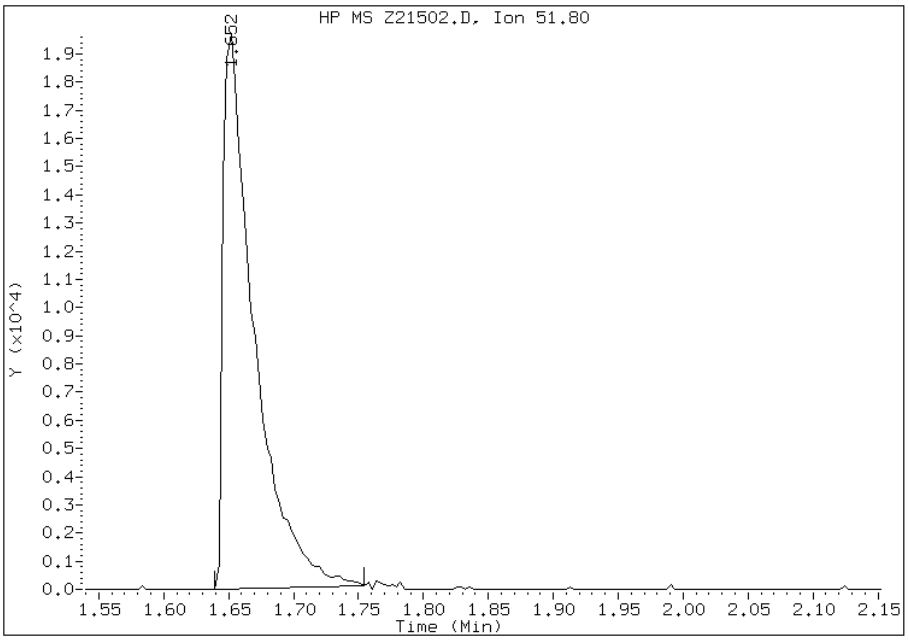
Manual Integration Results

RT: 1.65

Response: 33267

Amount: 9

Conc: 9



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

Manual Integration Report

Data File: Z21502.D
Inj. Date and Time: 23-JUN-2011 14:35
Instrument ID: msz.i
Client ID: IC-622879
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 06/24/2011

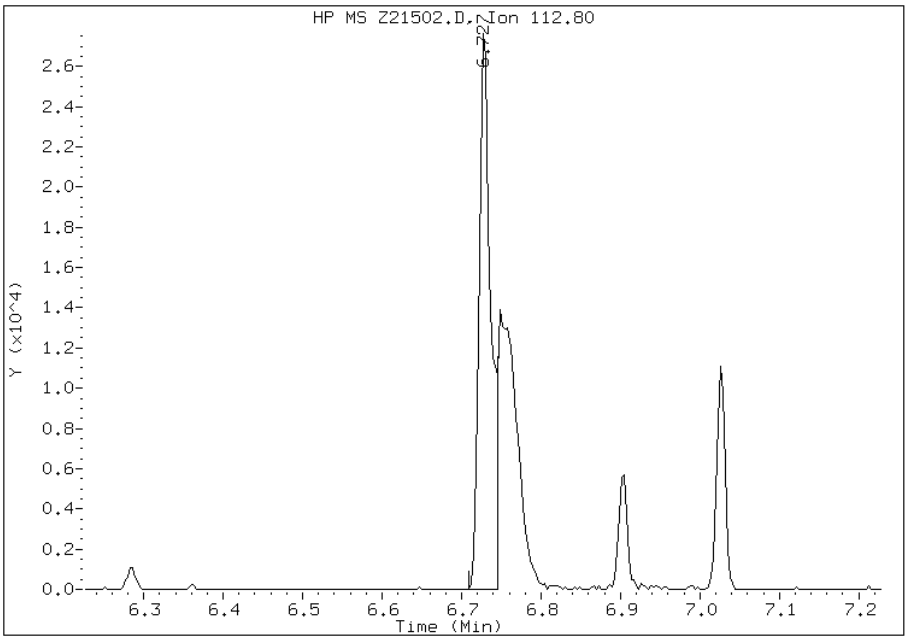
Processing Integration Results

RT: 6.73

Response: 29988

Amount: 7

Conc: 7



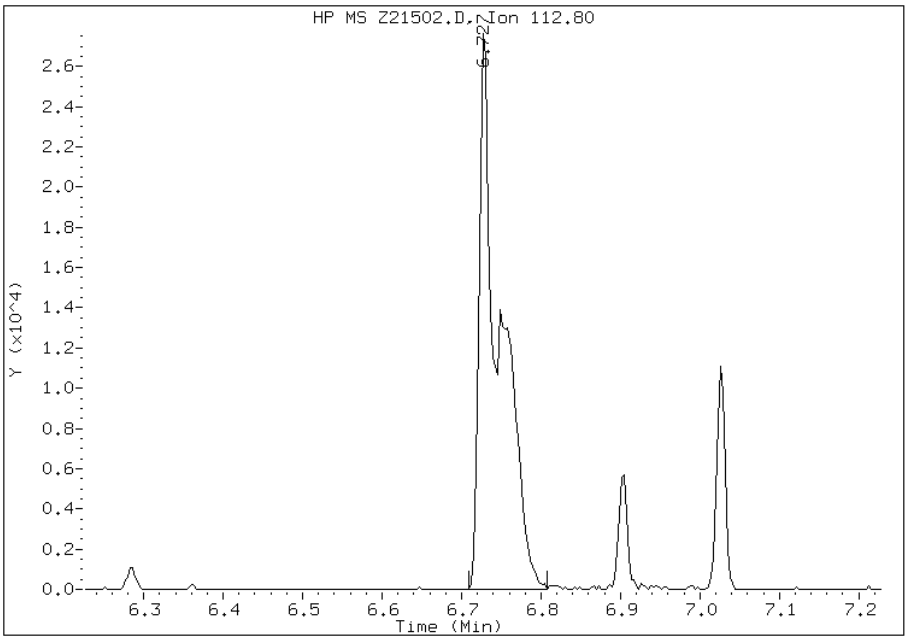
Manual Integration Results

RT: 6.73

Response: 50765

Amount: 10

Conc: 10



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

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\consvr05\files\Chem\BNA\msz.i\Z1121497.b\Z21503.D
Lab Smp Id: IC-622880 Client Smp ID: IC-622880
Inj Date : 23-JUN-2011 15:03
Operator : S.Jonas Inst ID: msz.i
Smp Info : IC-622880
Misc Info :
Comment :
Method : \\consvr05\files\Chem\BNA\msz.i\Z1121497.b\MSZ-8270C.m
Meth Date : 24-Jun-2011 13:12 stephan Quant Type: ISTD
Cal Date : 23-JUN-2011 15:03 Cal File: Z21503.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSC

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.896	4.896	(1.000)	216737	20.0000	
$ 2	2-Fluorophenol	112	3.457	3.457	(0.706)	249124	20.0000	20
$ 3	Phenol-d5	99	4.570	4.570	(0.933)	357173	20.0000	20
4	Pyridine	52	1.645	1.645	(0.336)	66587	20.0000	19
5	N-Nitrosodimethylamine	42	1.633	1.633	(0.334)	54125	20.0000	20
6	Cyclohexanone	42	3.678	3.678	(0.751)	107810	20.0000	20
128	Benzaldehyde	77	4.415	4.415	(0.902)	164337	20.0000	23
7	Phenol	94	4.582	4.582	(0.936)	382946	20.0000	20
8	Aniline	93	4.551	4.551	(0.930)	418907	20.0000	19
9	bis(2-Chloroethyl)ether	63	4.645	4.645	(0.949)	226416	20.0000	20
10	2-Chlorophenol	128	4.676	4.676	(0.955)	329866	20.0000	20
11	1,3-Dichlorobenzene	146	4.834	4.834	(0.987)	372653	20.0000	20
12	1,4-Dichlorobenzene	146	4.915	4.915	(1.004)	384159	20.0000	20
13	Benzyl alcohol	108	5.077	5.077	(1.037)	190641	20.0000	20
14	1,2-Dichlorobenzene	146	5.077	5.077	(1.037)	354319	20.0000	20
15	2,2'-oxybis(1-Chloropropane)	45	5.232	5.232	(1.069)	394262	20.0000	20
16	2-Methylphenol	108	5.226	5.226	(1.067)	292533	20.0000	20
92	Acetophenone	105	5.350	5.350	(1.093)	452065	20.0000	20
17	Hexachloroethane	117	5.440	5.440	(1.111)	160714	20.0000	20
18	N-Nitroso-di-n-propylamine	70	5.369	5.369	(1.096)	246161	20.0000	20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	19 4-Methylphenol	108	5.391	5.391	(1.101)	323153	20.0000	20
*	20 Naphthalene-d8	136	6.264	6.264	(1.000)	1023525	20.0000	
$	21 Nitrobenzene-d5	82	5.499	5.499	(0.878)	362052	20.0000	20
	22 Nitrobenzene	77	5.521	5.521	(0.881)	372564	20.0000	20
	23 Isophorone	82	5.788	5.788	(0.924)	677980	20.0000	20
	24 2-Nitrophenol	139	5.863	5.863	(0.936)	205417	20.0000	20
	25 2,4-Dimethylphenol	122	5.950	5.950	(0.950)	301817	20.0000	20
	26 Benzoic Acid	122	6.118	6.118	(0.977)	267344	30.0000	38(M)
	27 Bis(2-Chloroethoxy)methane	93	6.040	6.040	(0.964)	430443	20.0000	20
	28 2,4-Dichlorophenol	162	6.133	6.133	(0.979)	294199	20.0000	20
	29 1,2,4-Trichlorobenzene	180	6.211	6.211	(0.992)	322502	20.0000	20
	30 Naphthalene	128	6.286	6.286	(1.003)	1062288	20.0000	20
	31 4-Chloroaniline	127	6.360	6.360	(1.015)	428722	20.0000	20
	32 Hexachlorobutadiene	225	6.441	6.441	(1.028)	181699	20.0000	20
	129 Caprolactam	113	6.752	6.752	(1.078)	103918	20.0000	21(M)
	33 4-Chloro-3-methylphenol	107	6.907	6.907	(1.103)	331884	20.0000	20
	34 2-Methylnaphthalene	142	7.028	7.028	(1.122)	733288	20.0000	20
*	35 Acenaphthene-d10	164	8.132	8.132	(1.000)	644036	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.991	6.991	(1.428)	302249	20.0000	20
	37 Hexachlorocyclopentadiene	237	7.209	7.209	(0.886)	201947	20.0000	21
	38 2,4,6-Trichlorophenol	196	7.342	7.342	(0.903)	219592	20.0000	20
	39 2,4,5-Trichlorophenol	196	7.380	7.380	(0.908)	339160	30.0000	30
$	40 2-Fluorobiphenyl	172	7.429	7.429	(0.914)	770710	20.0000	20
	130 1,1'-Biphenyl	154	7.532	7.532	(0.926)	884236	20.0000	21
	41 2-Chloronaphthalene	162	7.541	7.541	(0.927)	701189	20.0000	20
	42 2-Nitroaniline	65	7.663	7.663	(0.942)	211746	20.0000	20
	43 Acenaphthylene	152	7.980	7.980	(0.981)	1176045	20.0000	20
	44 Dimethylphthalate	163	7.874	7.874	(0.968)	815200	20.0000	20
	45 2,6-Dinitrotoluene	165	7.927	7.927	(0.975)	195265	20.0000	20
	46 Acenaphthene	153	8.166	8.166	(1.004)	733387	20.0000	20
	47 3-Nitroaniline	138	8.101	8.101	(0.996)	216443	20.0000	20
	48 2,4-Dinitrophenol	184	8.206	8.206	(1.009)	168296	30.0000	29
	49 Dibenzofuran	168	8.353	8.353	(1.027)	1015599	20.0000	20
	50 2,4-Dinitrotoluene	165	8.349	8.349	(1.027)	265930	20.0000	20
	51 4-Nitrophenol	109	8.309	8.309	(1.022)	158805	30.0000	30
	52 Fluorene	166	8.713	8.713	(1.071)	847898	20.0000	21
	53 4-Chlorophenyl-phenylether	204	8.725	8.725	(1.073)	399838	20.0000	20
	54 Diethylphthalate	149	8.626	8.626	(1.061)	853224	20.0000	20
	55 4-Nitroaniline	138	8.753	8.753	(1.076)	213274	20.0000	20
$	56 2,4,6-Tribromophenol	330	8.971	8.971	(1.103)	175907	30.0000	30
*	57 Phenanthrene-d10	188	9.705	9.705	(1.000)	1081818	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.785	8.785	(0.905)	230377	30.0000	31
	59 N-Nitrosodiphenylamine (1)	169	8.853	8.853	(0.912)	616729	20.0000	20
	60 1,2-Diphenylhydrazine	77	8.893	8.893	(0.916)	910729	20.0000	20
	61 4-Bromophenyl-phenylether	248	9.238	9.238	(0.952)	226340	20.0000	20
	131 Atrazine	200	9.434	9.434	(0.972)	198365	20.0000	18
	62 Hexachlorobenzene	284	9.304	9.304	(0.959)	241482	20.0000	20
	63 Pentachlorophenol	266	9.518	9.518	(0.981)	198597	30.0000	31
	64 Phenanthrene	178	9.733	9.733	(1.003)	1215609	20.0000	20
	65 Carbazole	167	9.959	9.959	(1.026)	1139029	20.0000	20
	66 Anthracene	178	9.785	9.785	(1.008)	1239829	20.0000	20
	67 Di-n-butylphthalate	149	10.348	10.348	(1.066)	1489614	20.0000	20
	68 Fluoranthene	202	10.991	10.991	(1.133)	1282650	20.0000	20
*	70 Chrysene-d12	240	12.608	12.608	(1.000)	955650	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
71	Benzidine	184	11.134	11.134	(0.883)	248534	20.0000	23
72	Pyrene	202	11.228	11.228	(0.891)	1296943	20.0000	20
$ 73	Terphenyl-d14	244	11.402	11.402	(0.904)	863307	20.0000	20
74	Butylbenzylphthalate	149	11.936	11.936	(0.947)	584842	20.0000	20
124	3,3'-Dimethylbenzidine	212	11.911	11.911	(0.945)	232033	20.0000	23
75	3,3'-Dichlorobenzidine	252	12.564	12.564	(0.997)	319642	20.0000	20
76	Benzo(a)anthracene	228	12.589	12.589	(0.999)	1087988	20.0000	20
77	Chrysene	228	12.639	12.639	(1.002)	1068059	20.0000	20
78	Bis(2-Ethylhexyl)phthalate	149	12.645	12.645	(1.003)	675852	20.0000	20
* 79	Perylene-d12	264	14.827	14.827	(1.000)	701079	20.0000	
80	Di-n-octylphthalate	149	13.580	13.580	(0.916)	758981	20.0000	19
81	Benzo(b)fluoranthene	252	14.171	14.171	(0.956)	849305	20.0000	19
82	Benzo(k)fluoranthene	252	14.218	14.218	(0.959)	882080	20.0000	19
83	Benzo(a)pyrene	252	14.724	14.724	(0.993)	666697	20.0000	20
84	Indeno(1,2,3-cd)pyrene	276	16.856	16.856	(1.137)	378247	20.0000	20
85	Dibenzo(a,h)anthracene	278	16.909	16.909	(1.140)	349634	20.0000	20
86	Benzo(g,h,i)perylene	276	17.388	17.388	(1.173)	378751	20.0000	20
167	Simazine	201	9.403	9.403	(0.969)	130239	20.0000	26(H)
103	1,2,4,5-Tetrachlorobenzene	216	7.209	7.209	(0.886)	152130	25.0000	22
109	2,3,4,6-Tetrachlorophenol	232	8.492	8.492	(1.044)	177330	25.0000	22
119	Pentachloronitrobenzene	237	9.534	9.534	(0.982)	98403	25.0000	20

QC Flag Legend

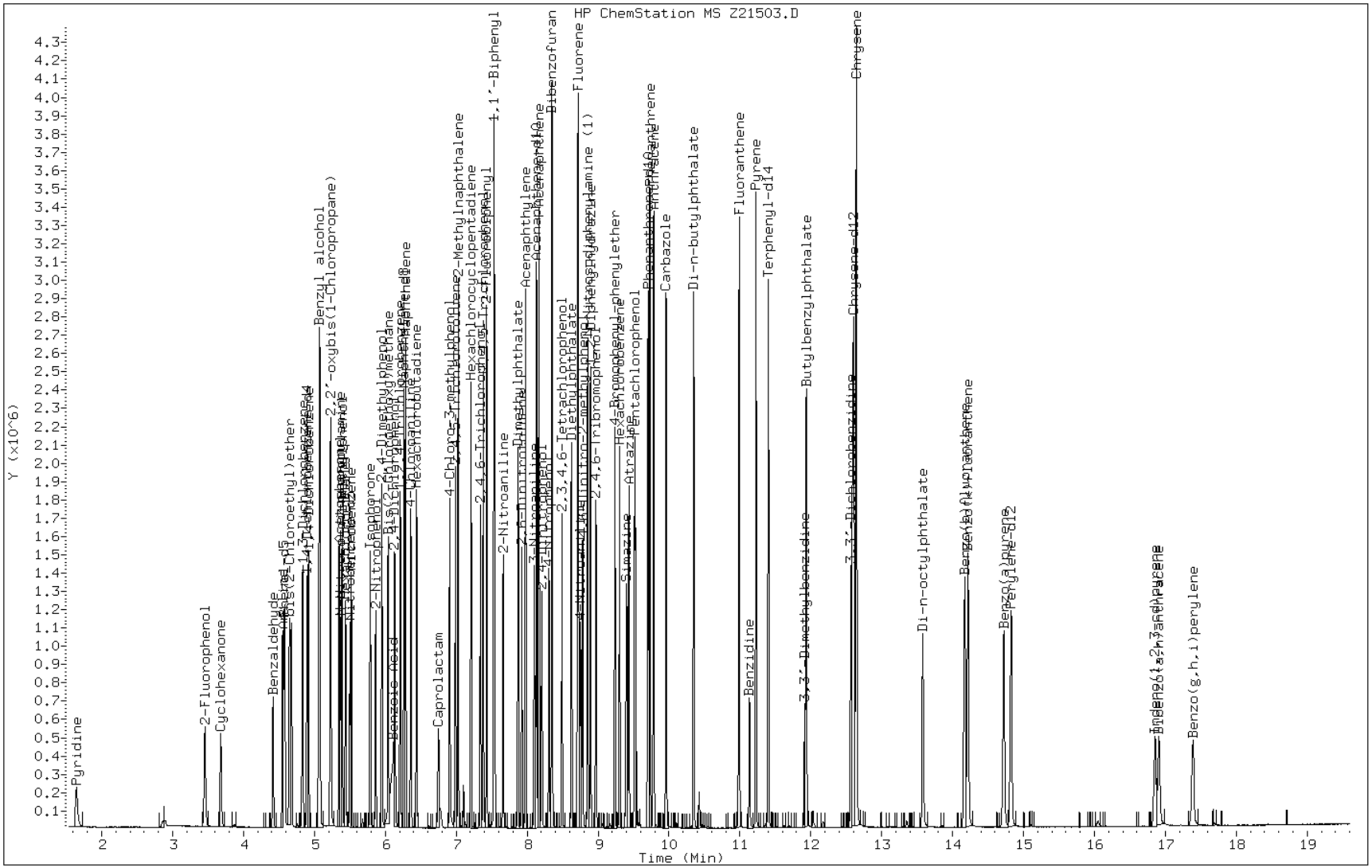
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: Z21503.D

Date: 23-JUN-2011 15:03

Client ID: IC-622880 Instrument: msz.i

Sample Info: IC-622880 Operator: S.Jonas



Manual Integration Report

Data File: Z21503.D
Inj. Date and Time: 23-JUN-2011 15:03
Instrument ID: msz.i
Client ID: IC-622880
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 06/24/2011

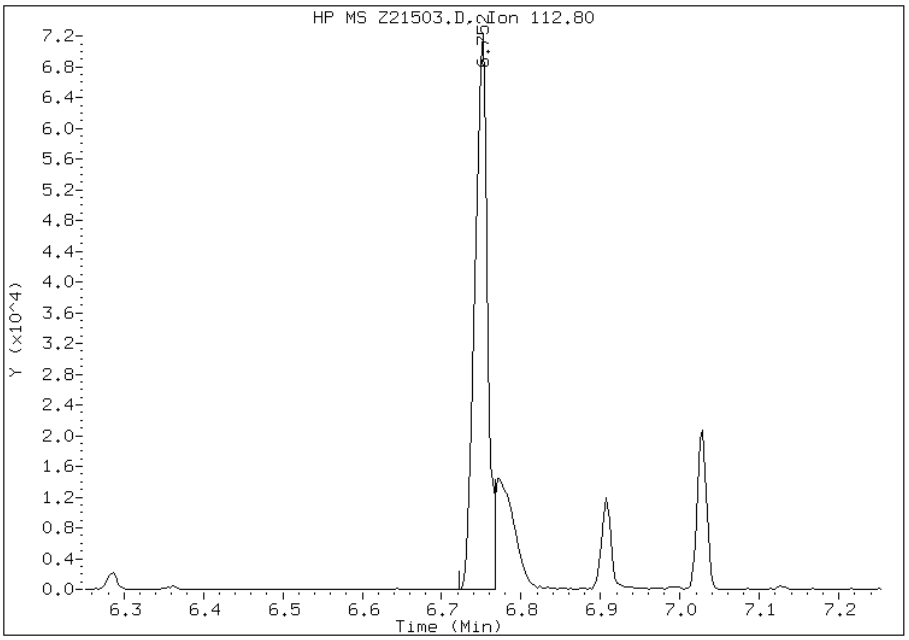
Processing Integration Results

RT: 6.75

Response: 83474

Amount: 18

Conc: 18



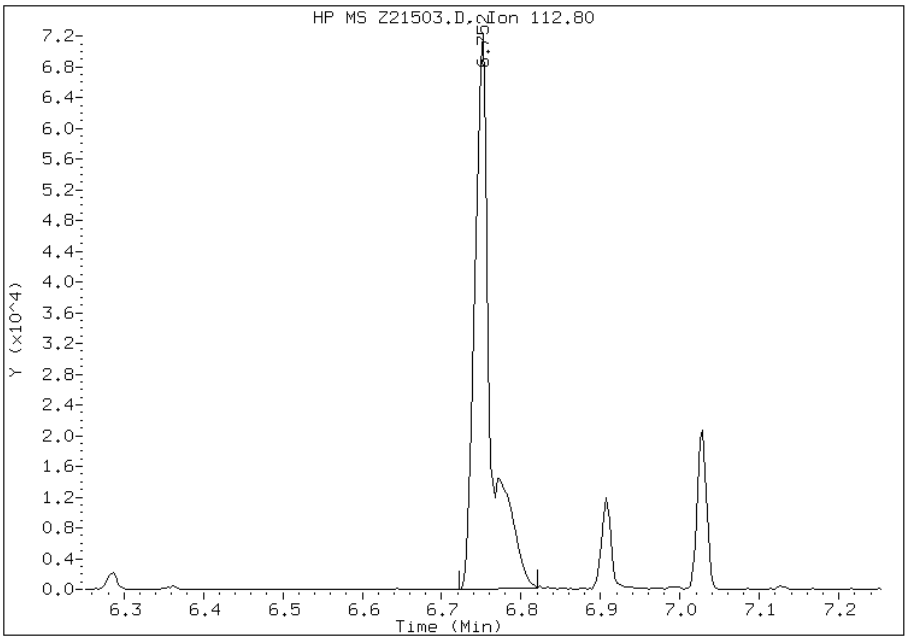
Manual Integration Results

RT: 6.75

Response: 103918

Amount: 21

Conc: 21



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

Manual Integration Report

Data File: Z21503.D
Inj. Date and Time: 23-JUN-2011 15:03
Instrument ID: msz.i
Client ID: IC-622880
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 06/24/2011

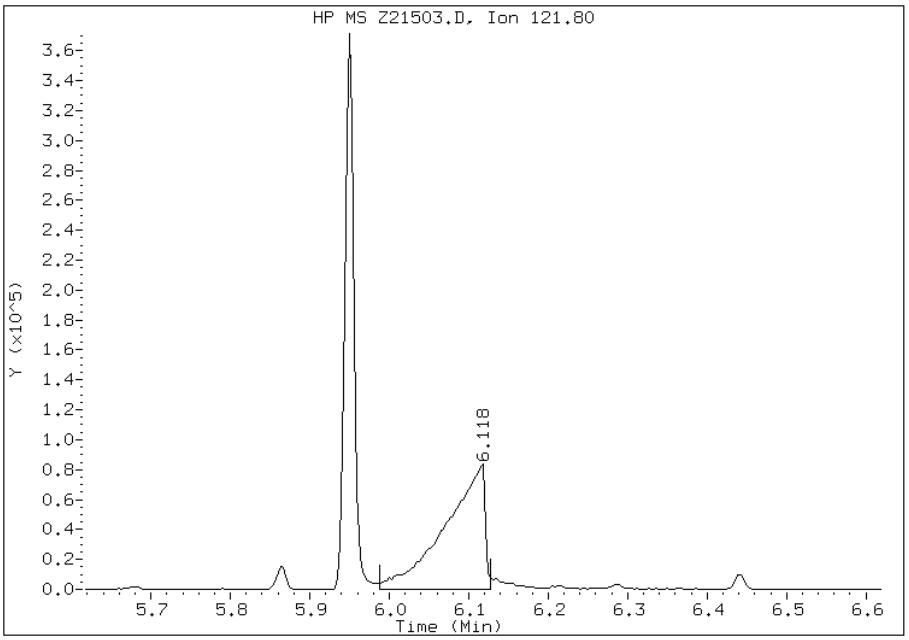
Processing Integration Results

RT: 6.12

Response: 286376

Amount: 30

Conc: 30



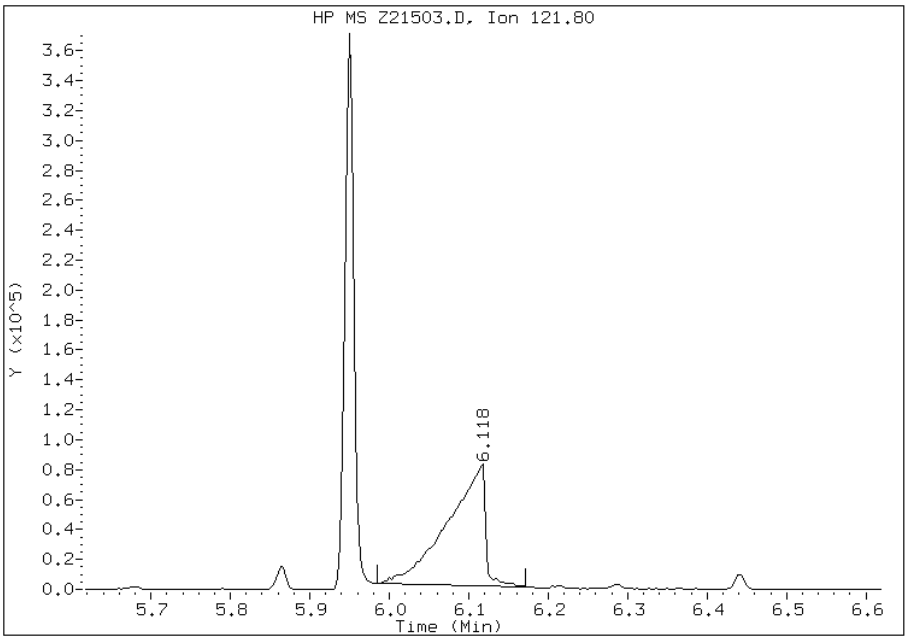
Manual Integration Results

RT: 6.12

Response: 267344

Amount: 38

Conc: 38



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

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\consvr05\files\Chem\BNA\msz.i\Z1121497.b\Z21504.D
Lab Smp Id: IC-622881 Client Smp ID: IC-622881
Inj Date : 23-JUN-2011 15:31
Operator : S.Jonas Inst ID: msz.i
Smp Info : IC-622881
Misc Info :
Comment :
Method : \\consvr05\files\Chem\BNA\msz.i\Z1121497.b\MSZ-8270C.m
Meth Date : 24-Jun-2011 13:12 stephan Quant Type: ISTD
Cal Date : 23-JUN-2011 15:31 Cal File: Z21504.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSC

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.899	4.899	(1.000)	210857	20.0000	
$ 2	2-Fluorophenol	112	3.464	3.464	(0.707)	690405	60.0000	58
$ 3	Phenol-d5	99	4.586	4.586	(0.936)	969664	60.0000	56
4	Pyridine	52	1.648	1.648	(0.337)	197946	60.0000	59
5	N-Nitrosodimethylamine	42	1.636	1.636	(0.334)	153857	60.0000	60
6	Cyclohexanone	42	3.681	3.681	(0.751)	203620	60.0000	38
128	Benzaldehyde	77	4.418	4.418	(0.902)	240589	60.0000	35
7	Phenol	94	4.601	4.601	(0.939)	1018460	60.0000	55
8	Aniline	93	4.554	4.554	(0.930)	1121956	60.0000	53
9	bis(2-Chloroethyl)ether	63	4.654	4.654	(0.950)	607914	60.0000	55
10	2-Chlorophenol	128	4.682	4.682	(0.956)	882228	60.0000	56
11	1,3-Dichlorobenzene	146	4.837	4.837	(0.987)	1004677	60.0000	56
12	1,4-Dichlorobenzene	146	4.918	4.918	(1.004)	1025576	60.0000	56
13	Benzyl alcohol	108	5.089	5.089	(1.039)	484534	60.0000	54
14	1,2-Dichlorobenzene	146	5.083	5.083	(1.037)	907222	60.0000	54
15	2,2'-oxybis(1-Chloropropane)	45	5.232	5.232	(1.068)	965167	60.0000	52
16	2-Methylphenol	108	5.238	5.238	(1.069)	749174	60.0000	53
92	Acetophenone	105	5.363	5.363	(1.095)	1228831	60.0000	56
17	Hexachloroethane	117	5.440	5.440	(1.110)	436947	60.0000	57
18	N-Nitroso-di-n-propylamine	70	5.384	5.384	(1.099)	663280	60.0000	56

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
19	4-Methylphenol	108	5.403	5.403	(1.103)	844592	60.0000	55
* 20	Naphthalene-d8	136	6.267	6.267	(1.000)	988570	20.0000	
$ 21	Nitrobenzene-d5	82	5.509	5.509	(0.879)	1000976	60.0000	57
22	Nitrobenzene	77	5.530	5.530	(0.882)	993671	60.0000	56
23	Isophorone	82	5.801	5.801	(0.926)	1883975	60.0000	57
24	2-Nitrophenol	139	5.869	5.869	(0.937)	566730	60.0000	58
25	2,4-Dimethylphenol	122	5.962	5.962	(0.951)	816625	60.0000	57
26	Benzoic Acid	122	6.155	6.155	(0.982)	492319	60.0000	67(M)
27	Bis(2-Chloroethoxy)methane	93	6.049	6.049	(0.965)	1146978	60.0000	55
28	2,4-Dichlorophenol	162	6.143	6.143	(0.980)	795021	60.0000	57
29	1,2,4-Trichlorobenzene	180	6.217	6.217	(0.992)	870739	60.0000	56
30	Naphthalene	128	6.292	6.292	(1.004)	2770215	60.0000	55
31	4-Chloroaniline	127	6.366	6.366	(1.016)	1107006	60.0000	54
32	Hexachlorobutadiene	225	6.444	6.444	(1.028)	495848	60.0000	57
129	Caprolactam	113	6.805	6.805	(1.086)	304859	60.0000	63(M)
33	4-Chloro-3-methylphenol	107	6.920	6.920	(1.104)	914104	60.0000	58
34	2-Methylnaphthalene	142	7.035	7.035	(1.122)	1906992	60.0000	55
* 35	Acenaphthene-d10	164	8.135	8.135	(1.000)	622352	20.0000	
36	2,4,5-Trichlorotoluene	159	6.994	6.994	(1.428)	827268	60.0000	57
37	Hexachlorocyclopentadiene	237	7.212	7.212	(0.887)	541085	60.0000	60
38	2,4,6-Trichlorophenol	196	7.349	7.349	(0.903)	610588	60.0000	58
39	2,4,5-Trichlorophenol	196	7.392	7.392	(0.909)	651362	60.0000	59
$ 40	2-Fluorobiphenyl	172	7.436	7.436	(0.914)	2061858	60.0000	55
130	1,1'-Biphenyl	154	7.538	7.538	(0.927)	2178295	60.0000	53
41	2-Chloronaphthalene	162	7.548	7.548	(0.928)	1798557	60.0000	54
42	2-Nitroaniline	65	7.672	7.672	(0.943)	584123	60.0000	57
43	Acenaphthylene	152	7.983	7.983	(0.981)	3160795	60.0000	56
44	Dimethylphthalate	163	7.883	7.883	(0.969)	2258249	60.0000	57
45	2,6-Dinitrotoluene	165	7.936	7.936	(0.976)	553266	60.0000	59
46	Acenaphthene	153	8.172	8.172	(1.005)	1935002	60.0000	55
47	3-Nitroaniline	138	8.113	8.113	(0.997)	602844	60.0000	59
48	2,4-Dinitrophenol	184	8.219	8.219	(1.010)	363758	60.0000	58
49	Dibenzofuran	168	8.359	8.359	(1.028)	2611325	60.0000	54
50	2,4-Dinitrotoluene	165	8.362	8.362	(1.028)	697472	60.0000	56
51	4-Nitrophenol	109	8.325	8.325	(1.023)	313239	60.0000	61
52	Fluorene	166	8.719	8.719	(1.072)	2114665	60.0000	54
53	4-Chlorophenyl-phenylether	204	8.729	8.729	(1.073)	1013429	60.0000	54
54	Diethylphthalate	149	8.632	8.632	(1.061)	2358192	60.0000	57
55	4-Nitroaniline	138	8.775	8.775	(1.079)	604197	60.0000	60
$ 56	2,4,6-Tribromophenol	330	8.980	8.980	(1.104)	339615	60.0000	60
* 57	Phenanthrene-d10	188	9.711	9.711	(1.000)	1041103	20.0000	
58	4,6-Dinitro-2-methylphenol	198	8.800	8.800	(0.906)	466749	60.0000	65
59	N-Nitrosodiphenylamine (1)	169	8.865	8.865	(0.913)	1691269	60.0000	57
60	1,2-Diphenylhydrazine	77	8.900	8.900	(0.916)	2429817	60.0000	55
61	4-Bromophenyl-phenylether	248	9.245	9.245	(0.952)	643356	60.0000	58
131	Atrazine	200	9.453	9.453	(0.973)	640168	60.0000	62
62	Hexachlorobenzene	284	9.310	9.310	(0.959)	690833	60.0000	58
63	Pentachlorophenol	266	9.524	9.524	(0.981)	430760	60.0000	69
64	Phenanthrene	178	9.739	9.739	(1.003)	3318397	60.0000	57
65	Carbazole	167	9.969	9.969	(1.027)	3138976	60.0000	58
66	Anthracene	178	9.795	9.795	(1.009)	3380071	60.0000	57
67	Di-n-butylphthalate	149	10.354	10.354	(1.066)	4083063	60.0000	58
68	Fluoranthene	202	10.998	10.998	(1.133)	3602006	60.0000	59
* 70	Chrysene-d12	240	12.614	12.614	(1.000)	911461	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
71	Benzidine	184	11.137	11.137	(0.883)	523297	60.0000	54
72	Pyrene	202	11.237	11.237	(0.891)	3655772	60.0000	58
$ 73	Terphenyl-d14	244	11.408	11.408	(0.904)	2451194	60.0000	58
74	Butylbenzylphthalate	149	11.939	11.939	(0.947)	1686743	60.0000	60
124	3,3'-Dimethylbenzidine	212	11.914	11.914	(0.945)	530136	60.0000	59
75	3,3'-Dichlorobenzidine	252	12.576	12.576	(0.997)	894021	60.0000	60
76	Benzo(a)anthracene	228	12.598	12.598	(0.999)	3106953	60.0000	59
77	Chrysene	228	12.654	12.654	(1.003)	2886676	60.0000	57
78	Bis(2-Ethylhexyl)phthalate	149	12.648	12.648	(1.003)	1914914	60.0000	59
* 79	Perylene-d12	264	14.827	14.827	(1.000)	580177	20.0000	
80	Di-n-octylphthalate	149	13.583	13.583	(0.916)	2456951	60.0000	59
81	Benzo(b)fluoranthene	252	14.183	14.183	(0.957)	2289374	60.0000	63
82	Benzo(k)fluoranthene	252	14.236	14.236	(0.960)	2317173	60.0000	62
83	Benzo(a)pyrene	252	14.737	14.737	(0.994)	1714714	60.0000	61
84	Indeno(1,2,3-cd)pyrene	276	16.866	16.866	(1.138)	854495	60.0000	56
85	Dibenzo(a,h)anthracene	278	16.918	16.918	(1.141)	857005	60.0000	60
86	Benzo(g,h,i)perylene	276	17.403	17.403	(1.174)	831714	60.0000	54
167	Simazine	201	9.425	9.425	(0.971)	399110	60.0000	70(H)
103	1,2,4,5-Tetrachlorobenzene	216	7.215	7.215	(0.887)	403976	60.0000	59
109	2,3,4,6-Tetrachlorophenol	232	8.499	8.499	(1.045)	503566	60.0000	63
119	Pentachloronitrobenzene	237	9.540	9.540	(0.982)	277098	60.0000	59

QC Flag Legend

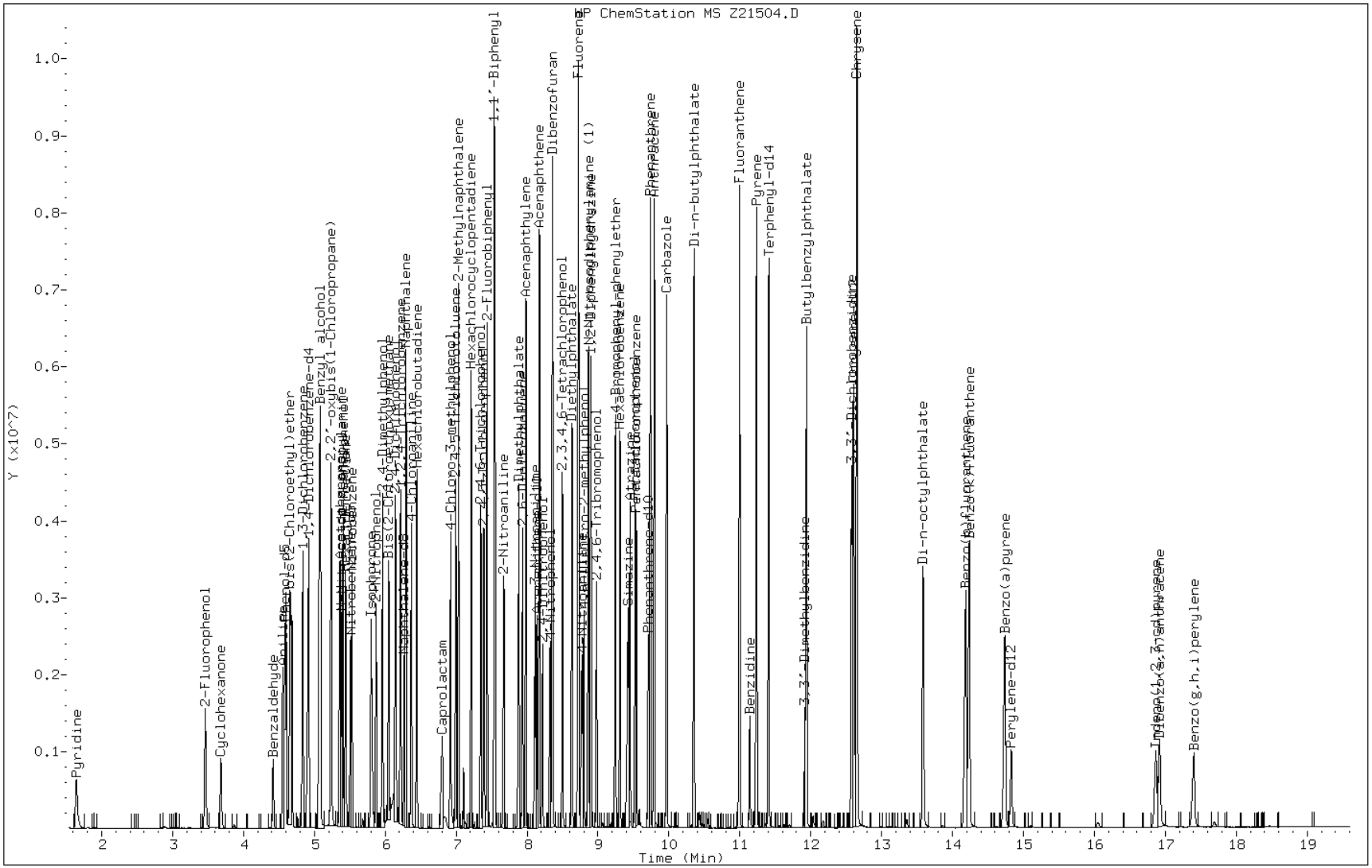
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: Z21504.D

Date: 23-JUN-2011 15:31

Client ID: IC-622881 Instrument: msz.i

Sample Info: IC-622881 Operator: S.Jonas



Manual Integration Report

Data File: Z21504.D
Inj. Date and Time: 23-JUN-2011 15:31
Instrument ID: msz.i
Client ID: IC-622881
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 06/24/2011

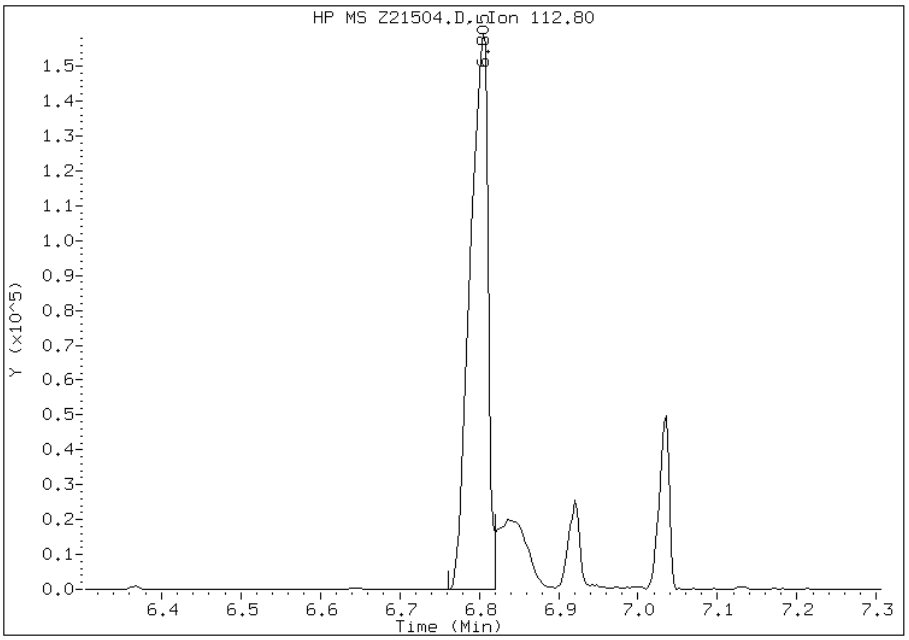
Processing Integration Results

RT: 6.81

Response: 259115

Amount: 55

Conc: 55



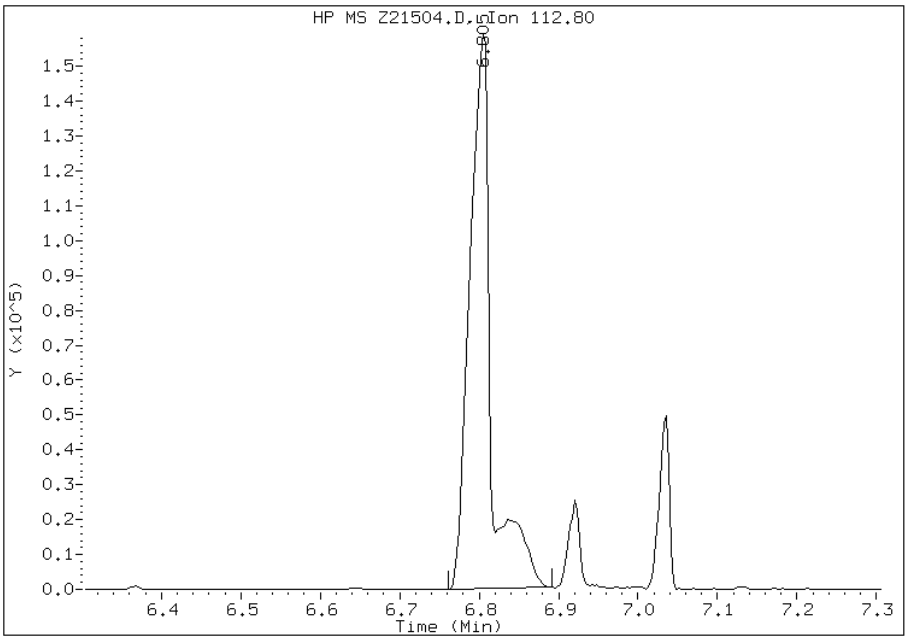
Manual Integration Results

RT: 6.81

Response: 304859

Amount: 63

Conc: 63



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

Manual Integration Report

Data File: Z21504.D
Inj. Date and Time: 23-JUN-2011 15:31
Instrument ID: msz.i
Client ID: IC-622881
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 06/24/2011

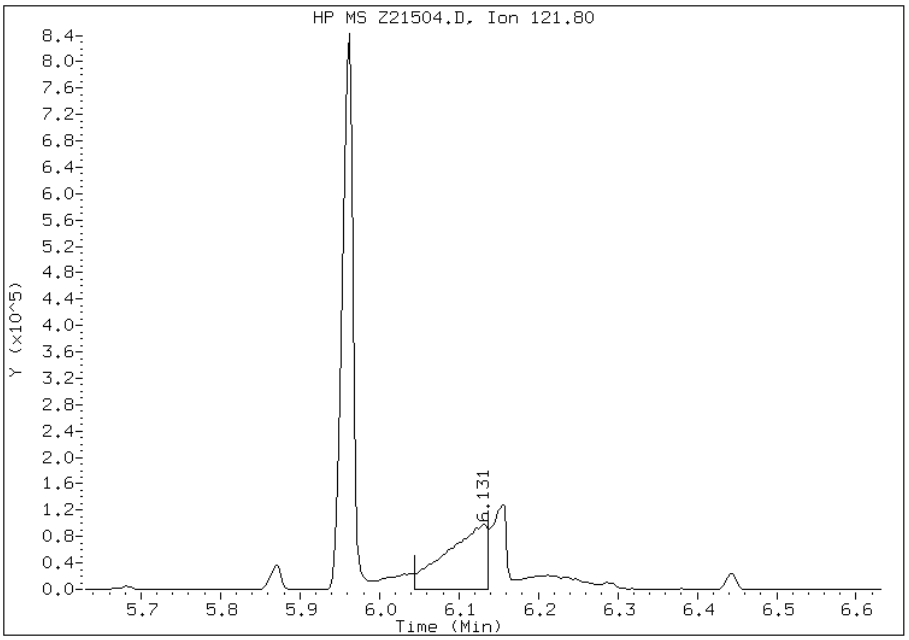
Processing Integration Results

RT: 6.13

Response: 352394

Amount: 53

Conc: 53



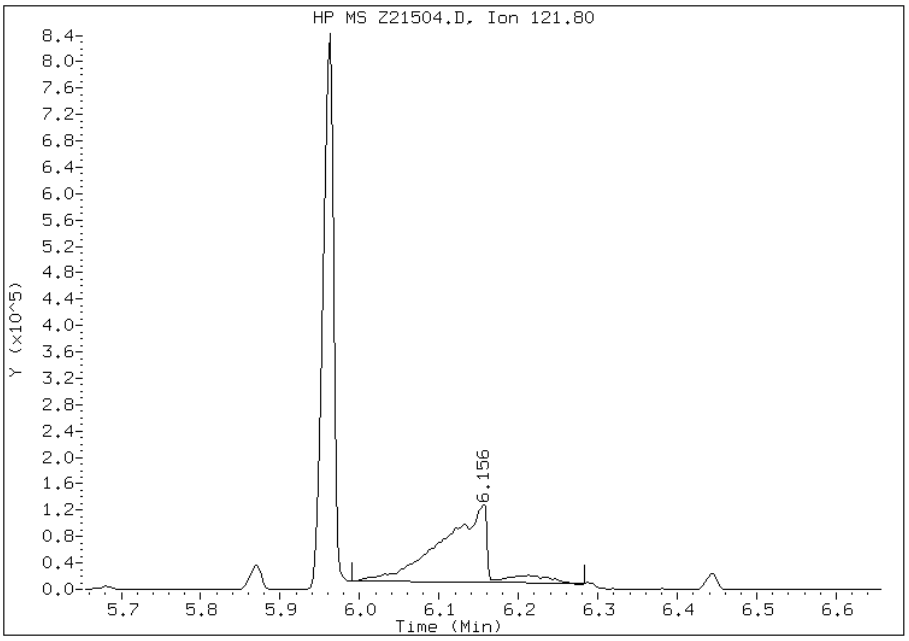
Manual Integration Results

RT: 6.16

Response: 492319

Amount: 67

Conc: 67



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

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\consvr05\files\Chem\BNA\msz.i\Z1121497.b\Z21505.D
Lab Smp Id: IC-622882 Client Smp ID: IC-622882
Inj Date : 23-JUN-2011 15:59
Operator : S.Jonas Inst ID: msz.i
Smp Info : IC-622882
Misc Info :
Comment :
Method : \\consvr05\files\Chem\BNA\msz.i\Z1121497.b\MSZ-8270C.m
Meth Date : 24-Jun-2011 13:12 stephan Quant Type: ISTD
Cal Date : 23-JUN-2011 15:59 Cal File: Z21505.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSC

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.902	4.902	(1.000)	211266	20.0000	
$ 2	2-Fluorophenol	112	3.467	3.467	(0.707)	926440	80.0000	77
$ 3	Phenol-d5	99	4.595	4.595	(0.937)	1315023	80.0000	76
4	Pyridine	52	1.648	1.648	(0.336)	270860	80.0000	81(A)
5	N-Nitrosodimethylamine	42	1.639	1.639	(0.334)	209894	80.0000	81(A)
6	Cyclohexanone	42	3.681	3.681	(0.751)	213851	80.0000	40
128	Benzaldehyde	77	4.418	4.418	(0.901)	271635	80.0000	40
7	Phenol	94	4.610	4.610	(0.940)	1265308	80.0000	68
8	Aniline	93	4.561	4.561	(0.930)	1503815	80.0000	71
9	bis(2-Chloroethyl)ether	63	4.657	4.657	(0.950)	807863	80.0000	73
10	2-Chlorophenol	128	4.691	4.691	(0.957)	1179874	80.0000	74
11	1,3-Dichlorobenzene	146	4.840	4.840	(0.987)	1342089	80.0000	75
12	1,4-Dichlorobenzene	146	4.921	4.921	(1.004)	1359551	80.0000	74
13	Benzyl alcohol	108	5.101	5.101	(1.041)	666482	80.0000	74
14	1,2-Dichlorobenzene	146	5.086	5.086	(1.037)	1199337	80.0000	71
15	2,2'-oxybis(1-Chloropropane)	45	5.235	5.235	(1.068)	1256567	80.0000	67
16	2-Methylphenol	108	5.247	5.247	(1.070)	1012236	80.0000	72
92	Acetophenone	105	5.372	5.372	(1.096)	1680191	80.0000	77
17	Hexachloroethane	117	5.443	5.443	(1.110)	577054	80.0000	75
18	N-Nitroso-di-n-propylamine	70	5.397	5.397	(1.101)	881739	80.0000	74

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	19 4-Methylphenol	108	5.415	5.415	(1.105)	1106899	80.0000	72
*	20 Naphthalene-d8	136	6.270	6.270	(1.000)	999469	20.0000	
$	21 Nitrobenzene-d5	82	5.518	5.518	(0.880)	1377627	80.0000	78
	22 Nitrobenzene	77	5.540	5.540	(0.884)	1349632	80.0000	75
	23 Isophorone	82	5.810	5.810	(0.927)	2655405	80.0000	80
	24 2-Nitrophenol	139	5.875	5.875	(0.937)	773675	80.0000	78
	25 2,4-Dimethylphenol	122	5.972	5.972	(0.952)	1104852	80.0000	77
	26 Benzoic Acid	122	6.189	6.189	(0.987)	675563	80.0000	78(M)
	27 Bis(2-Chloroethoxy)methane	93	6.056	6.056	(0.966)	1563232	80.0000	75
	28 2,4-Dichlorophenol	162	6.152	6.152	(0.981)	1077721	80.0000	76
	29 1,2,4-Trichlorobenzene	180	6.220	6.220	(0.992)	1162723	80.0000	74
	30 Naphthalene	128	6.298	6.298	(1.004)	3657776	80.0000	72
	31 4-Chloroaniline	127	6.373	6.373	(1.016)	1485876	80.0000	72
	32 Hexachlorobutadiene	225	6.447	6.447	(1.028)	670753	80.0000	76
	129 Caprolactam	113	6.836	6.836	(1.090)	430757	80.0000	86(AM)
	33 4-Chloro-3-methylphenol	107	6.932	6.932	(1.106)	1247239	80.0000	78
	34 2-Methylnaphthalene	142	7.041	7.041	(1.123)	2534510	80.0000	72
*	35 Acenaphthene-d10	164	8.138	8.138	(1.000)	634998	20.0000	
	36 2,4,5-Trichlorotoluene	159	7.000	7.000	(1.428)	1143197	80.0000	79
	37 Hexachlorocyclopentadiene	237	7.215	7.215	(0.887)	657519	80.0000	71
	38 2,4,6-Trichlorophenol	196	7.355	7.355	(0.904)	844840	80.0000	78
	39 2,4,5-Trichlorophenol	196	7.401	7.401	(0.909)	879748	80.0000	78
$	40 2-Fluorobiphenyl	172	7.442	7.442	(0.914)	2793337	80.0000	74
	130 1,1'-Biphenyl	154	7.544	7.544	(0.927)	2741800	80.0000	65
	41 2-Chloronaphthalene	162	7.557	7.557	(0.929)	2329222	80.0000	68
	42 2-Nitroaniline	65	7.681	7.681	(0.944)	812752	80.0000	78
	43 Acenaphthylene	152	7.992	7.992	(0.982)	4286722	80.0000	74
	44 Dimethylphthalate	163	7.892	7.892	(0.970)	3156215	80.0000	78
	45 2,6-Dinitrotoluene	165	7.948	7.948	(0.977)	775783	80.0000	81(A)
	46 Acenaphthene	153	8.182	8.182	(1.005)	2621010	80.0000	73
	47 3-Nitroaniline	138	8.126	8.126	(0.998)	837314	80.0000	80
	48 2,4-Dinitrophenol	184	8.228	8.228	(1.011)	533205	80.0000	82(A)
	49 Dibenzofuran	168	8.365	8.365	(1.028)	3494639	80.0000	71
	50 2,4-Dinitrotoluene	165	8.374	8.374	(1.029)	966946	80.0000	76
	51 4-Nitrophenol	109	8.337	8.337	(1.024)	470596	80.0000	89(A)
	52 Fluorene	166	8.729	8.729	(1.073)	2743660	80.0000	68
	53 4-Chlorophenyl-phenylether	204	8.738	8.738	(1.074)	1310903	80.0000	68
	54 Diethylphthalate	149	8.645	8.645	(1.062)	3274094	80.0000	78
	55 4-Nitroaniline	138	8.794	8.794	(1.081)	837602	80.0000	81(A)
$	56 2,4,6-Tribromophenol	330	8.987	8.987	(1.104)	484655	80.0000	83(A)
*	57 Phenanthrene-d10	188	9.717	9.717	(1.000)	1081236	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.812	8.812	(0.907)	680130	80.0000	91(A)
	59 N-Nitrosodiphenylamine (1)	169	8.875	8.875	(0.913)	2352267	80.0000	76
	60 1,2-Diphenylhydrazine	77	8.906	8.906	(0.917)	3266815	80.0000	72
	61 4-Bromophenyl-phenylether	248	9.251	9.251	(0.952)	895408	80.0000	78
	131 Atrazine	200	9.465	9.465	(0.974)	922149	80.0000	85(A)
	62 Hexachlorobenzene	284	9.319	9.319	(0.959)	972249	80.0000	78
	63 Pentachlorophenol	266	9.530	9.530	(0.981)	623114	80.0000	96(A)
	64 Phenanthrene	178	9.748	9.748	(1.003)	4570845	80.0000	75
	65 Carbazole	167	9.978	9.978	(1.027)	4335834	80.0000	76
	66 Anthracene	178	9.801	9.801	(1.009)	4594917	80.0000	74
	67 Di-n-butylphthalate	149	10.360	10.360	(1.066)	5580268	80.0000	76
	68 Fluoranthene	202	11.007	11.007	(1.133)	5015331	80.0000	79
*	70 Chrysene-d12	240	12.623	12.623	(1.000)	918478	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
71	Benzidine	184	11.144	11.144	(0.883)	611862	80.0000	63
72	Pyrene	202	11.243	11.243	(0.891)	5105878	80.0000	80(A)
$ 73	Terphenyl-d14	244	11.414	11.414	(0.904)	3391448	80.0000	80
74	Butylbenzylphthalate	149	11.945	11.945	(0.946)	2369275	80.0000	84(A)
124	3,3'-Dimethylbenzidine	212	11.921	11.921	(0.944)	611274	80.0000	68
75	3,3'-Dichlorobenzidine	252	12.586	12.586	(0.997)	1186834	80.0000	79
76	Benzo(a)anthracene	228	12.607	12.607	(0.999)	4286749	80.0000	80(A)
77	Chrysene	228	12.667	12.667	(1.003)	3922295	80.0000	76
78	Bis(2-Ethylhexyl)phthalate	149	12.654	12.654	(1.002)	2684695	80.0000	83(A)
* 79	Perylene-d12	264	14.836	14.836	(1.000)	523720	20.0000	
80	Di-n-octylphthalate	149	13.593	13.593	(0.916)	3578541	80.0000	80(A)
81	Benzo(b)fluoranthene	252	14.196	14.196	(0.957)	2979930	80.0000	90(A)
82	Benzo(k)fluoranthene	252	14.249	14.249	(0.960)	3082475	80.0000	91(A)
83	Benzo(a)pyrene	252	14.749	14.749	(0.994)	2195013	80.0000	86(A)
84	Indeno(1,2,3-cd)pyrene	276	16.881	16.881	(1.138)	1069008	80.0000	77
85	Dibenzo(a,h)anthracene	278	16.931	16.931	(1.141)	1108963	80.0000	85(A)
86	Benzo(g,h,i)perylene	276	17.419	17.419	(1.174)	1046738	80.0000	76
167	Simazine	201	9.443	9.443	(0.972)	590863	80.0000	86(AH)
103	1,2,4,5-Tetrachlorobenzene	216	7.218	7.218	(0.887)	544785	80.0000	78
109	2,3,4,6-Tetrachlorophenol	232	8.508	8.508	(1.045)	706886	80.0000	87(A)
119	Pentachloronitrobenzene	237	9.549	9.549	(0.983)	394662	80.0000	81(A)

QC Flag Legend

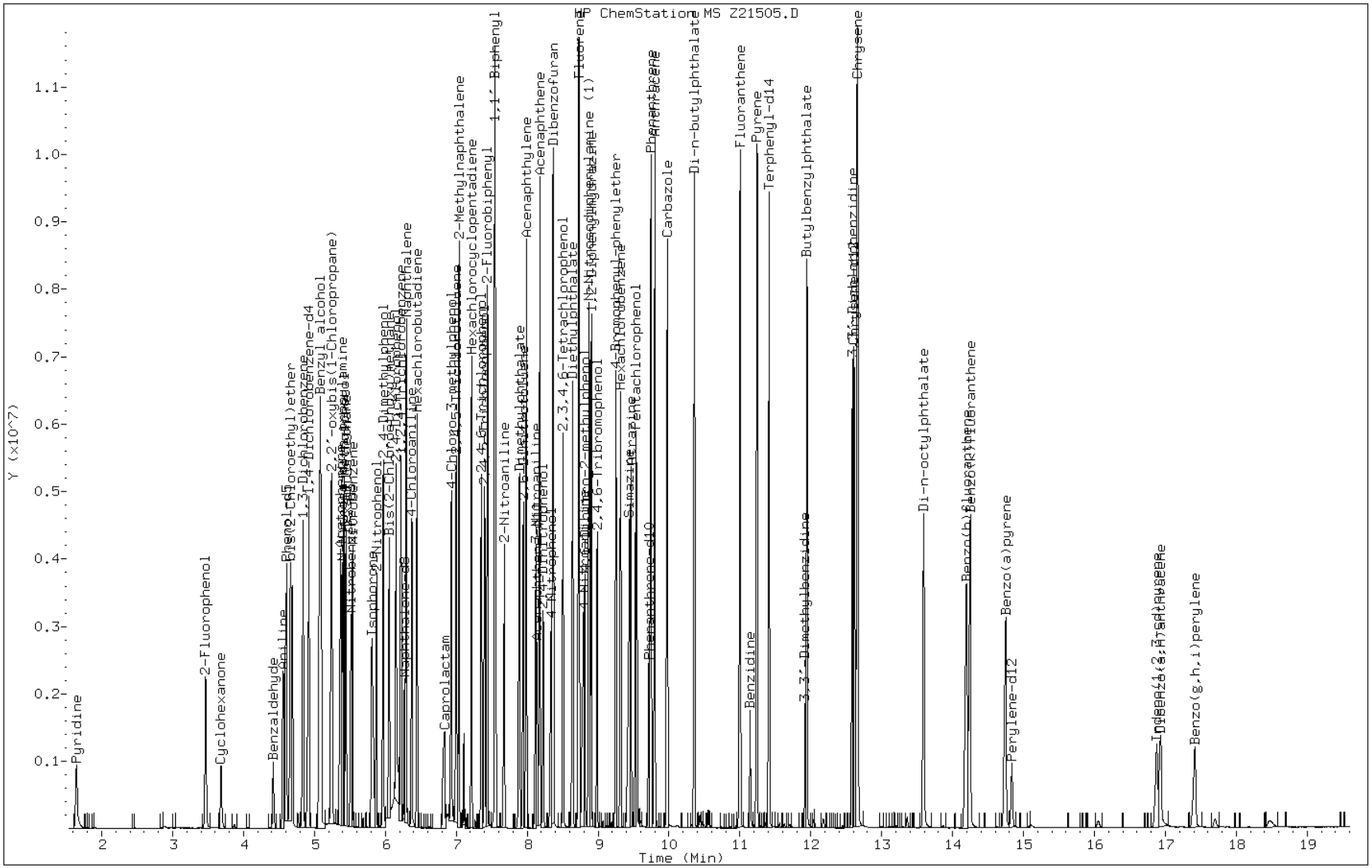
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: Z21505.D

Date: 23-JUN-2011 15:59

Client ID: IC-622882 Instrument: msz.i

Sample Info: IC-622882 Operator: S.Jonas



Manual Integration Report

Data File: Z21505.D
Inj. Date and Time: 23-JUN-2011 15:59
Instrument ID: msz.i
Client ID: IC-622882
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 06/24/2011

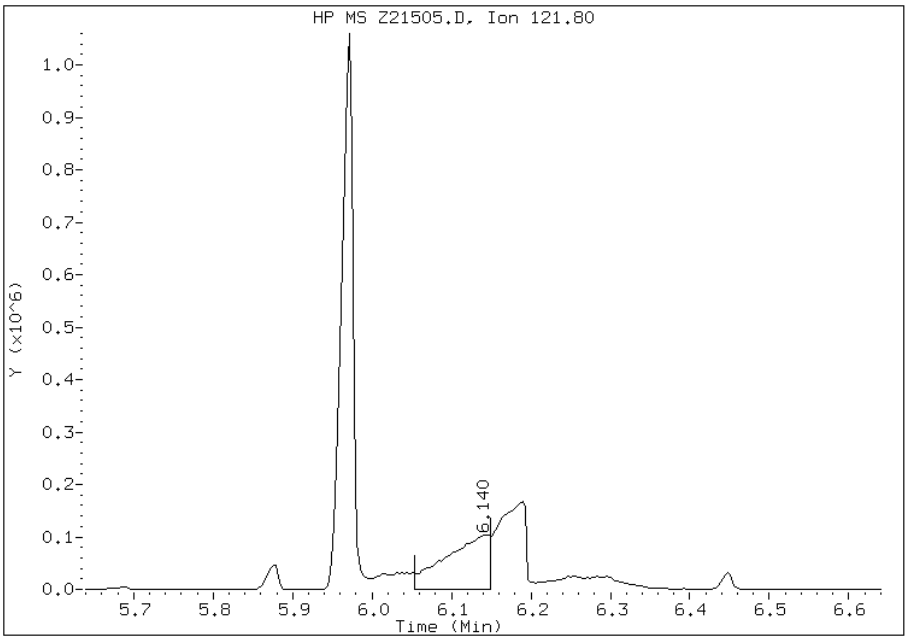
Processing Integration Results

RT: 6.14

Response: 405151

Amount: 54

Conc: 54



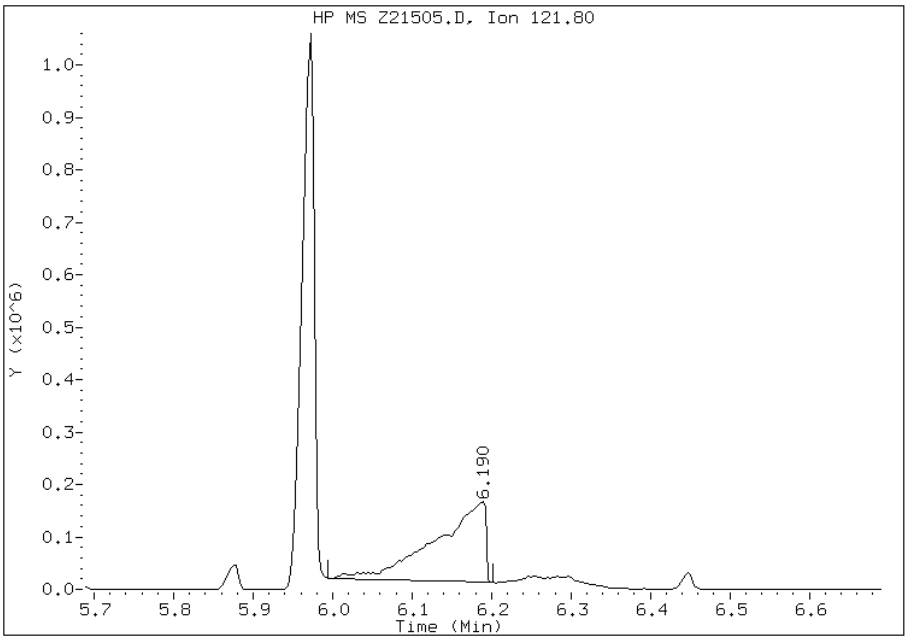
Manual Integration Results

RT: 6.19

Response: 675563

Amount: 78

Conc: 78



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

Manual Integration Report

Data File: Z21505.D
Inj. Date and Time: 23-JUN-2011 15:59
Instrument ID: msz.i
Client ID: IC-622882
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 06/24/2011

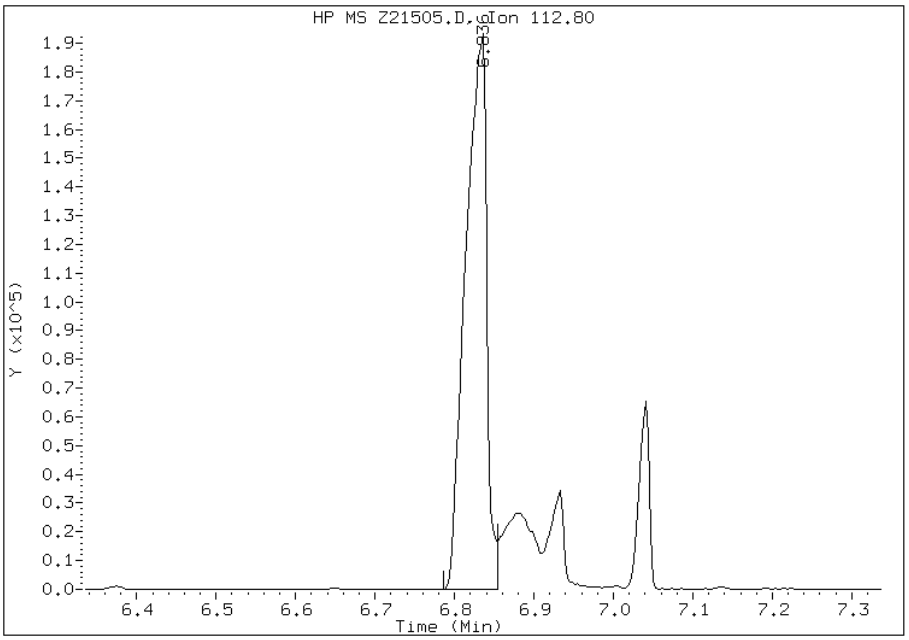
Processing Integration Results

RT: 6.84

Response: 361744

Amount: 74

Conc: 74



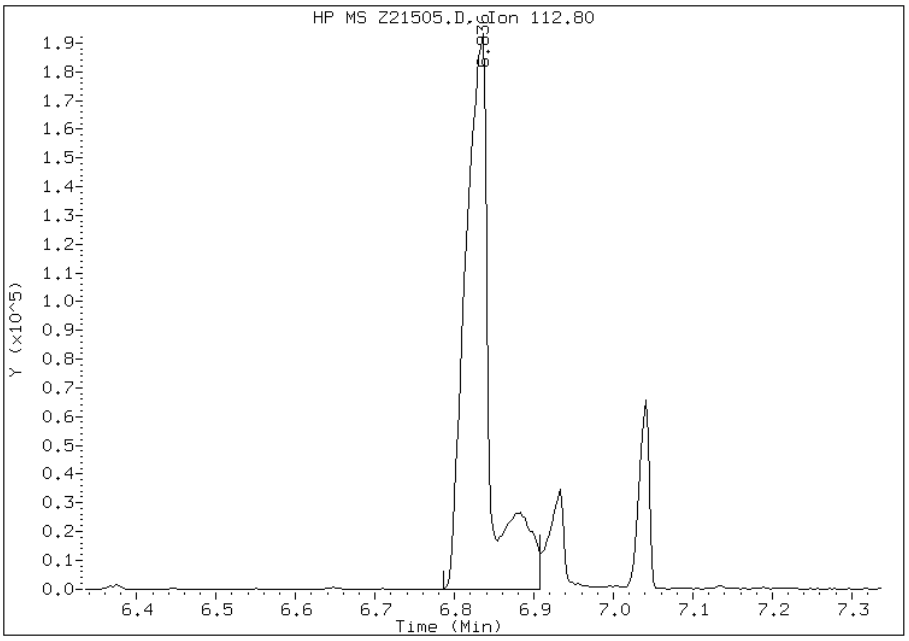
Manual Integration Results

RT: 6.84

Response: 430757

Amount: 86

Conc: 86



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

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab Sample ID: CCVIS 220-53011/4 Calibration Date: 07/18/2011 11:39

Instrument ID: MSC Calib Start Date: 07/14/2011 12:05

GC Column: ZB-5MS ID: 0.25(mm) Calib End Date: 07/14/2011 15:08

Lab File ID: C24301.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.3145	0.3235	0.0500	41.1	40.0	2.9	30.0
Pyridine	Ave	0.4126	0.4302	0.0500	41.7	40.0	4.3	30.0
Cyclohexanone	Qua	0.7110	0.8501	0.0500	63.9	40.0	59.9*	30.0
Benzaldehyde	Ave	0.5428	0.0814	0.0500	6.00	40.0	-85.0*	30.0
Aniline	Ave	1.817	1.836	0.0500	40.4	40.0	1.1	30.0
Phenol	Ave	1.736	1.633	0.0500	37.6	40.0	-5.9	20.0
Bis(2-chloroethyl)ether	Ave	1.128	1.113	0.0500	39.5	40.0	-1.4	30.0
2-Chlorophenol	Ave	1.426	1.375	0.0500	38.6	40.0	-3.6	30.0
1,3-Dichlorobenzene	Ave	1.607	1.526	0.0500	38.0	40.0	-5.1	30.0
1,4-Dichlorobenzene	Ave	1.654	1.553	0.0500	37.6	40.0	-6.1	20.0
1,2-Dichlorobenzene	Ave	1.549	1.456	0.0500	37.6	40.0	-6.0	30.0
Benzyl alcohol	Ave	0.8652	0.8619	0.0500	39.8	40.0	-0.4	30.0
2,2'-oxybis[1-chloropropane]	Ave	2.436	2.428	0.0500	39.9	40.0	-0.3	30.0
2-Methylphenol	Ave	1.246	1.213	0.0500	38.9	40.0	-2.7	30.0
Acetophenone	Ave	1.720	1.681	0.0500	39.1	40.0	-2.3	30.0
N-Nitrosodi-n-propylamine	Ave	1.002	0.9830	0.0500	39.2	40.0	-1.9	30.0
4-Methylphenol	Ave	1.329	1.303	0.0500	39.2	40.0	-1.9	30.0
Hexachloroethane	Ave	0.6691	0.6463	0.0500	38.6	40.0	-3.4	30.0
Nitrobenzene	Ave	0.3560	0.3531	0.0500	39.7	40.0	-0.8	30.0
Isophorone	Ave	0.6462	0.6461	0.0500	40.0	40.0	-0.0	30.0
2-Nitrophenol	Ave	0.1974	0.2041	0.0500	41.4	40.0	3.4	20.0
2,4-Dimethylphenol	Ave	0.3032	0.3034	0.0500	40.0	40.0	0.0	30.0
Bis(2-chloroethoxy)methane	Ave	0.4024	0.3953	0.0500	39.3	40.0	-1.8	30.0
Benzoic acid	Ave	0.1118	0.1549	0.0500	55.4	40.0	38.6*	30.0
2,4-Dichlorophenol	Ave	0.2916	0.2962	0.0500	40.6	40.0	1.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3332	0.3233	0.0500	38.8	40.0	-3.0	30.0
Naphthalene	Ave	0.995	0.9745	0.0500	39.2	40.0	-2.1	30.0
4-Chloroaniline	Ave	0.4123	0.4192	0.0500	40.7	40.0	1.7	30.0
Hexachlorobutadiene	Ave	0.1962	0.1876	0.0500	38.2	40.0	-4.4	20.0
Caprolactam	Ave	0.0908	0.0966	0.0500	42.6	40.0	6.4	30.0
4-Chloro-3-methylphenol	Ave	0.2897	0.2981	0.0500	41.2	40.0	2.9	20.0
2,4,5-Trichlorotoluene	Ave	1.183	1.130	0.0500	38.2	40.0	-4.5	30.0
2-Methylnaphthalene	Ave	0.6865	0.6745	0.0500	39.3	40.0	-1.7	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2559	0.2611	0.0500	40.8	40.0	2.0	30.0
Hexachlorocyclopentadiene	Ave	0.3118	0.3492	0.0500	44.8	40.0	12.0	30.0
2,4,6-Trichlorophenol	Ave	0.3571	0.3631	0.0500	40.7	40.0	1.7	20.0
2,4,5-Trichlorophenol	Ave	0.3734	0.3853	0.0500	41.3	40.0	3.2	30.0
1,1'-Biphenyl	Ave	1.343	1.316	0.0500	39.2	40.0	-2.0	30.0
2-Chloronaphthalene	Ave	1.095	1.070	0.0500	39.1	40.0	-2.2	30.0
2-Nitroaniline	Ave	0.3381	0.3500	0.0500	41.4	40.0	3.5	30.0
Dimethyl phthalate	Ave	1.213	1.194	0.0500	39.4	40.0	-1.6	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab Sample ID: CCVIS 220-53011/4 Calibration Date: 07/18/2011 11:39

Instrument ID: MSC Calib Start Date: 07/14/2011 12:05

GC Column: ZB-5MS ID: 0.25(mm) Calib End Date: 07/14/2011 15:08

Lab File ID: C24301.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Ave	0.2912	0.2970	0.0500	40.8	40.0	2.0	30.0
Acenaphthylene	Ave	1.743	1.756	0.0500	40.3	40.0	0.7	30.0
3-Nitroaniline	Ave	0.3297	0.3418	0.0500	41.5	40.0	3.7	30.0
Acenaphthene	Ave	1.133	1.095	0.0500	38.7	40.0	-3.3	20.0
2,4-Dinitrophenol	Lin	0.1384	0.1567	0.0500	37.0	40.0	-7.5	30.0
4-Nitrophenol	Ave	0.1358	0.1374	0.0500	40.5	40.0	1.2	30.0
2,4-Dinitrotoluene	Ave	0.3922	0.3960	0.0500	40.4	40.0	1.0	30.0
Dibenzofuran	Ave	1.573	1.537	0.0500	39.1	40.0	-2.3	30.0
2,3,4,6-Tetrachlorophenol	Lin	0.2750	0.2854	0.0500	37.4	40.0	-6.5	30.0
Diethyl phthalate	Ave	1.252	1.223	0.0500	39.1	40.0	-2.3	30.0
Fluorene	Ave	1.284	1.244	0.0500	38.8	40.0	-3.1	30.0
4-Chlorophenyl phenyl ether	Ave	0.6319	0.6182	0.0500	39.1	40.0	-2.2	30.0
4-Nitroaniline	Ave	0.3197	0.3226	0.0500	40.4	40.0	0.9	30.0
4,6-Dinitro-2-methylphenol	Lin	0.1239	0.1363	0.0500	38.7	40.0	-3.2	30.0
N-Nitrosodiphenylamine	Ave	0.5562	0.5384	0.0500	38.7	40.0	-3.2	20.0
1,2-Diphenylhydrazine	Ave	0.7878	0.7756	0.0500	39.4	40.0	-1.5	30.0
4-Bromophenyl phenyl ether	Ave	0.2208	0.2194	0.0500	39.8	40.0	-0.6	30.0
Hexachlorobenzene	Ave	0.2352	0.2257	0.0500	38.4	40.0	-4.0	30.0
Simazine	Ave	0.1275	0.1272	0.0500	39.9	40.0	-0.3	30.0
Atrazine	Ave	0.1922	0.1871	0.0500	39.0	40.0	-2.6	30.0
Pentachlorophenol	Lin	0.1115	0.1144	0.0500	34.8	40.0	-13.0	20.0
Pentachloronitrobenzene	Ave	0.0876	0.0906	0.0500	41.4	40.0	3.4	30.0
Phenanthrene	Ave	1.045	1.028	0.0500	39.3	40.0	-1.7	30.0
Anthracene	Ave	1.052	1.048	0.0500	39.9	40.0	-0.4	30.0
Carbazole	Ave	0.999	0.9791	0.0500	39.2	40.0	-2.0	30.0
Di-n-butyl phthalate	Ave	1.155	1.140	0.0500	39.5	40.0	-1.3	30.0
Fluoranthene	Ave	1.120	1.094	0.0500	39.1	40.0	-2.3	20.0
Benzidine	Qua	0.2506	0.2832	0.0500	43.0	40.0	7.4	30.0
Pyrene	Ave	1.305	1.362	0.0500	41.8	40.0	4.4	30.0
3,3'-Dimethylbenzidine	Ave	0.2116	0.1579	0.0500	29.8	40.0	-25.4	30.0
Butyl benzyl phthalate	Ave	0.5275	0.5519	0.0500	41.8	40.0	4.6	30.0
3,3'-Dichlorobenzidine	Ave	0.2958	0.2760	0.0500	37.3	40.0	-6.7	30.0
Benzo[a]anthracene	Ave	1.103	1.089	0.0500	39.5	40.0	-1.2	30.0
Chrysene	Ave	1.050	0.999	0.0500	38.1	40.0	-4.9	30.0
Bis(2-ethylhexyl) phthalate	Lin	0.5547	0.5861	0.0500	36.5	40.0	-8.8	30.0
Di-n-octyl phthalate	Qua	1.072	1.383	0.0500	40.8	40.0	2.1	20.0
Benzo[b]fluoranthene	Ave	1.296	1.365	0.0500	42.1	40.0	5.4	30.0
Benzo[k]fluoranthene	Ave	1.361	1.352	0.0500	39.7	40.0	-0.7	30.0
Benzo[a]pyrene	Ave	0.9563	1.000	0.0500	41.8	40.0	4.6	20.0
Indeno[1,2,3-cd]pyrene	Qua	0.5206	0.6626	0.0500	46.7	40.0	16.9	30.0
Dibenz(a,h)anthracene	Qua	0.5128	0.6733	0.0500	46.4	40.0	16.0	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab Sample ID: CCVIS 220-53011/4 Calibration Date: 07/18/2011 11:39

Instrument ID: MSC Calib Start Date: 07/14/2011 12:05

GC Column: ZB-5MS ID: 0.25(mm) Calib End Date: 07/14/2011 15:08

Lab File ID: C24301.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Qua	0.5529	0.6832	0.0500	45.3	40.0	13.3	30.0
2-Fluorophenol	Ave	1.138	1.101	0.0500	38.7	40.0	-3.2	30.0
Phenol-d5	Ave	1.518	1.497	0.0500	39.4	40.0	-1.4	30.0
Nitrobenzene-d5	Ave	0.3470	0.3491	0.0500	40.2	40.0	0.6	30.0
2-Fluorobiphenyl	Ave	1.220	1.194	0.0500	39.1	40.0	-2.2	30.0
2,4,6-Tribromophenol	Ave	0.1733	0.1704	0.0500	39.3	40.0	-1.7	30.0
Terphenyl-d14	Ave	0.8799	0.8897	0.0500	40.4	40.0	1.1	30.0

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124300.b\C24301.D
Lab Smp Id: CCVIS-641574 Client Smp ID: CCVIS-641574
Inj Date : 18-JUL-2011 11:39
Operator : S.Jonas Inst ID: msc.i
Smp Info : CCVIS-641574
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124300.b\MSC-8270C.m
Meth Date : 18-Jul-2011 11:58 stephan Quant Type: ISTD
Cal Date : 14-JUL-2011 12:05 Cal File: C24250.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.890	4.890	(1.000)	853281	20.0000	
$ 2	2-Fluorophenol	112	3.454	3.454	(0.706)	1878712	40.0000	39
$ 3	Phenol-d5	99	4.569	4.569	(0.934)	2554583	40.0000	39
4	Pyridine	52	1.637	1.637	(0.335)	734193	40.0000	42
5	N-Nitrosodimethylamine	42	1.631	1.631	(0.334)	552080	40.0000	41
6	Cyclohexanone	42	3.667	3.667	(0.750)	1450685	40.0000	64
128	Benzaldehyde	77	4.409	4.409	(0.902)	138851	40.0000	6
7	Phenol	94	4.587	4.587	(0.938)	2786404	40.0000	38
8	Aniline	93	4.546	4.546	(0.930)	3133545	40.0000	40
9	bis(2-Chloroethyl)ether	63	4.641	4.641	(0.949)	1898667	40.0000	39
10	2-Chlorophenol	128	4.670	4.670	(0.955)	2346428	40.0000	39
11	1,3-Dichlorobenzene	146	4.825	4.825	(0.987)	2603592	40.0000	38
12	1,4-Dichlorobenzene	146	4.908	4.908	(1.004)	2650721	40.0000	38
13	Benzyl alcohol	108	5.074	5.074	(1.038)	1470866	40.0000	40
14	1,2-Dichlorobenzene	146	5.074	5.074	(1.038)	2484168	40.0000	38
15	2,2'-oxybis(1-Chloropropane)	45	5.222	5.222	(1.068)	4144180	40.0000	40
16	2-Methylphenol	108	5.222	5.222	(1.068)	2069405	40.0000	39
92	Acetophenone	105	5.347	5.347	(1.093)	2868049	40.0000	39
17	Hexachloroethane	117	5.430	5.430	(1.110)	1102961	40.0000	39
18	N-Nitroso-di-n-propylamine	70	5.371	5.371	(1.098)	1677482	40.0000	39

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.388	5.388	(1.102)	2224321	40.0000	39
*	20 Naphthalene-d8	136	6.255	6.255	(1.000)	3420634	20.0000	
$	21 Nitrobenzene-d5	82	5.495	5.495	(0.879)	2388341	40.0000	40
	22 Nitrobenzene	77	5.519	5.519	(0.882)	2415371	40.0000	40
	23 Isophorone	82	5.786	5.786	(0.925)	4420441	40.0000	40
	24 2-Nitrophenol	139	5.857	5.857	(0.936)	1396574	40.0000	41
	25 2,4-Dimethylphenol	122	5.946	5.946	(0.951)	2075909	40.0000	40
	26 Benzoic Acid	122	6.113	6.113	(0.977)	1059602	40.0000	55(M)
	27 Bis(2-Chloroethoxy)methane	93	6.035	6.035	(0.965)	2704318	40.0000	39
	28 2,4-Dichlorophenol	162	6.130	6.130	(0.980)	2026298	40.0000	41
	29 1,2,4-Trichlorobenzene	180	6.208	6.208	(0.992)	2211453	40.0000	39
	30 Naphthalene	128	6.279	6.279	(1.004)	6667111	40.0000	39
	31 4-Chloroaniline	127	6.356	6.356	(1.016)	2867979	40.0000	41
	32 Hexachlorobutadiene	225	6.433	6.433	(1.028)	1283337	40.0000	38
	129 Caprolactam	113	6.771	6.771	(1.083)	660589	40.0000	43(M)
	33 4-Chloro-3-methylphenol	107	6.908	6.908	(1.104)	2039593	40.0000	41
	34 2-Methylnaphthalene	142	7.021	7.021	(1.122)	4614344	40.0000	39
*	35 Acenaphthene-d10	164	8.125	8.125	(1.000)	2035022	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.985	6.985	(1.428)	1928211	40.0000	38
	37 Hexachlorocyclopentadiene	237	7.205	7.205	(0.887)	1421133	40.0000	45
	38 2,4,6-Trichlorophenol	196	7.335	7.335	(0.903)	1477951	40.0000	41
	39 2,4,5-Trichlorophenol	196	7.377	7.377	(0.908)	1568264	40.0000	41
$	40 2-Fluorobiphenyl	172	7.424	7.424	(0.914)	4858361	40.0000	39
	130 1,1'-Biphenyl	154	7.525	7.525	(0.926)	5357576	40.0000	39
	41 2-Chloronaphthalene	162	7.537	7.537	(0.928)	4355614	40.0000	39
	42 2-Nitroaniline	65	7.656	7.656	(0.942)	1424311	40.0000	41
	43 Acenaphthylene	152	7.970	7.970	(0.981)	7146592	40.0000	40
	44 Dimethylphthalate	163	7.869	7.869	(0.969)	4859370	40.0000	39
	45 2,6-Dinitrotoluene	165	7.923	7.923	(0.975)	1208806	40.0000	41
	46 Acenaphthene	153	8.160	8.160	(1.004)	4457034	40.0000	39
	47 3-Nitroaniline	138	8.095	8.095	(0.996)	1391171	40.0000	41
	48 2,4-Dinitrophenol	184	8.202	8.202	(1.009)	637828	40.0000	37
	49 Dibenzofuran	168	8.344	8.344	(1.027)	6257468	40.0000	39
	50 2,4-Dinitrotoluene	165	8.344	8.344	(1.027)	1611917	40.0000	40
	51 4-Nitrophenol	109	8.303	8.303	(1.022)	559393	40.0000	40
	52 Fluorene	166	8.706	8.706	(1.072)	5061323	40.0000	39
	53 4-Chlorophenyl-phenylether	204	8.718	8.718	(1.073)	2516227	40.0000	39
	54 Diethylphthalate	149	8.617	8.617	(1.061)	4978586	40.0000	39
	55 4-Nitroaniline	138	8.754	8.754	(1.077)	1312792	40.0000	40
$	56 2,4,6-Tribromophenol	330	8.967	8.967	(1.104)	693542	40.0000	39
*	57 Phenanthrene-d10	188	9.698	9.698	(1.000)	3382132	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.783	8.783	(0.906)	921612	40.0000	39
	59 N-Nitrosodiphenylamine (1)	169	8.849	8.849	(0.912)	3642090	40.0000	39
	60 1,2-Diphenylhydrazine	77	8.884	8.884	(0.916)	5246588	40.0000	39
	61 4-Bromophenyl-phenylether	248	9.235	9.235	(0.952)	1484383	40.0000	40
	131 Atrazine	200	9.436	9.436	(0.973)	1265845	40.0000	39
	62 Hexachlorobenzene	284	9.300	9.300	(0.959)	1526937	40.0000	38
	63 Pentachlorophenol	266	9.514	9.514	(0.981)	773800	40.0000	35
	64 Phenanthrene	178	9.727	9.727	(1.003)	6950713	40.0000	39
	65 Carbazole	167	9.959	9.959	(1.027)	6623069	40.0000	39
	66 Anthracene	178	9.781	9.781	(1.009)	7090859	40.0000	40
	67 Di-n-butylphthalate	149	10.344	10.344	(1.067)	7711214	40.0000	39
	68 Fluoranthene	202	10.985	10.985	(1.133)	7401294	40.0000	39
*	70 Chrysene-d12	240	12.600	12.600	(1.000)	2726468	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
71	Benzidine	184	11.128	11.128	(0.883)	1544024	40.0000	43
72	Pyrene	202	11.223	11.223	(0.891)	7427756	40.0000	42
$ 73	Terphenyl-d14	244	11.395	11.395	(0.904)	4851312	40.0000	40
74	Butylbenzylphthalate	149	11.929	11.929	(0.947)	3009353	40.0000	42
124	3,3'-Dimethylbenzidine	212	11.905	11.905	(0.945)	860763	40.0000	30
75	3,3'-Dichlorobenzidine	252	12.558	12.558	(0.997)	1504945	40.0000	37
76	Benzo(a)anthracene	228	12.588	12.588	(0.999)	5940304	40.0000	40
77	Chrysene	228	12.635	12.635	(1.003)	5444973	40.0000	38
78	Bis(2-Ethylhexyl)phthalate	149	12.641	12.641	(1.003)	3196024	40.0000	36
* 79	Perylene-d12	264	14.820	14.820	(1.000)	1224830	20.0000	
80	Di-n-octylphthalate	149	13.573	13.573	(0.916)	3388327	40.0000	41
81	Benzo(b)fluoranthene	252	14.167	14.167	(0.956)	3343697	40.0000	42
82	Benzo(k)fluoranthene	252	14.214	14.214	(0.959)	3312672	40.0000	40
83	Benzo(a)pyrene	252	14.719	14.719	(0.993)	2450473	40.0000	42
84	Indeno(1,2,3-cd)pyrene	276	16.855	16.855	(1.137)	1623098	40.0000	47
85	Dibenzo(a,h)anthracene	278	16.909	16.909	(1.141)	1649246	40.0000	46
86	Benzo(g,h,i)perylene	276	17.390	17.390	(1.173)	1673543	40.0000	45
167	Simazine	201	9.407	9.407	(0.970)	860151	40.0000	40
103	1,2,4,5-Tetrachlorobenzene	216	7.205	7.205	(0.887)	1062761	40.0000	41
109	2,3,4,6-Tetrachlorophenol	232	8.487	8.487	(1.045)	1161636	40.0000	37
119	Pentachloronitrobenzene	237	9.525	9.525	(0.982)	612885	40.0000	41

QC Flag Legend

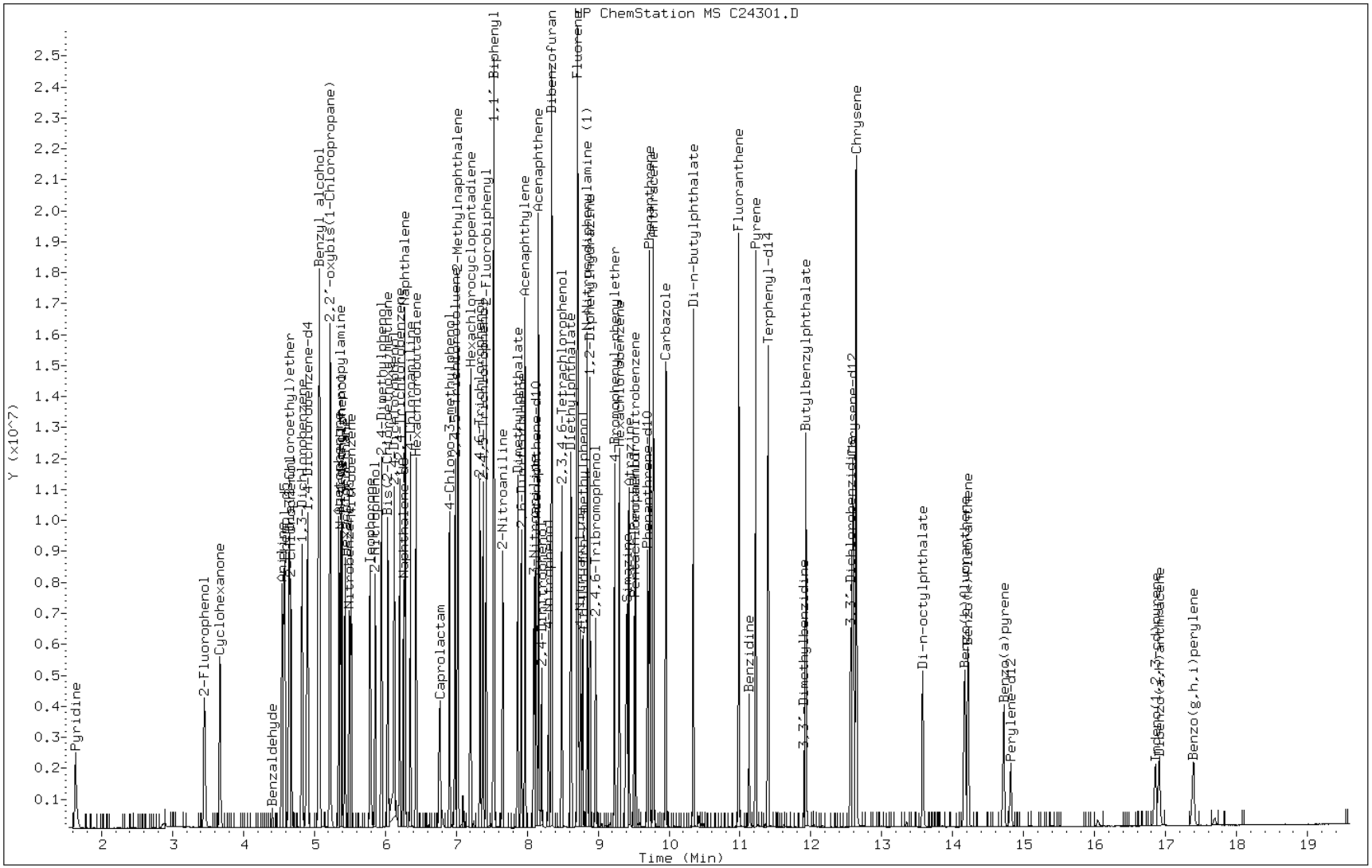
M - Compound response manually integrated.

Data File: C24301.D

Date: 18-JUL-2011 11:39

Client ID: CCVIS-641574 Instrument: msc.i

Sample Info: CCVIS-641574 Operator: S.Jonas



Manual Integration Report

Data File: C24301.D
Inj. Date and Time: 18-JUL-2011 11:39
Instrument ID: msc.i
Client ID: CCVIS-641574
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 07/19/2011

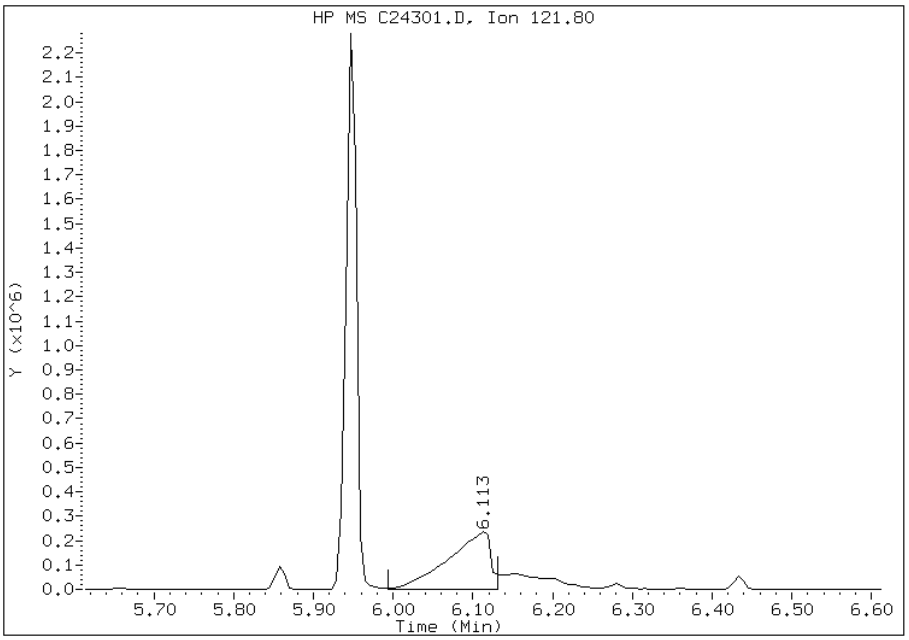
Processing Integration Results

RT: 6.11

Response: 857970

Amount: 45

Conc: 45



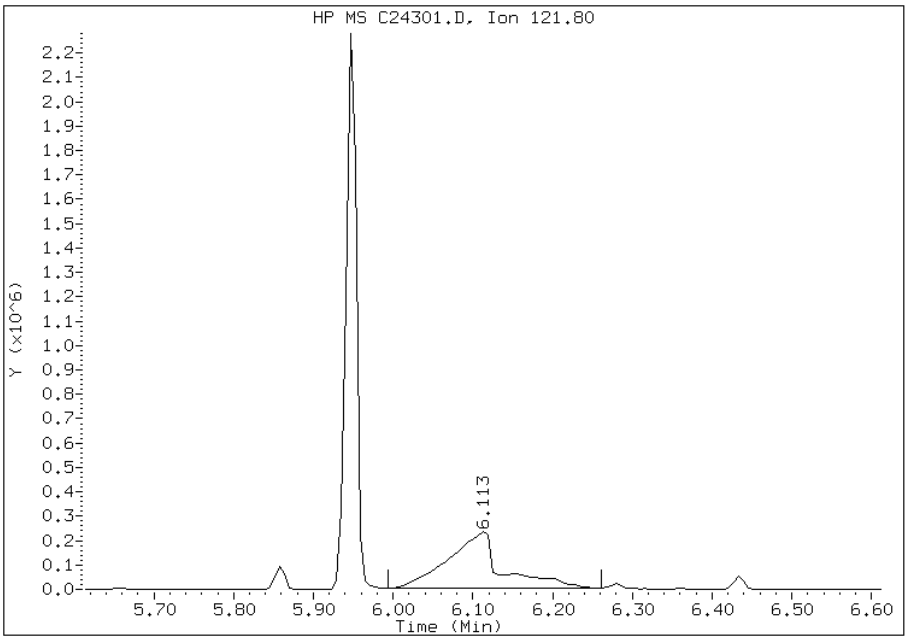
Manual Integration Results

RT: 6.11

Response: 1059602

Amount: 55

Conc: 55



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

Manual Integration Report

Data File: C24301.D
Inj. Date and Time: 18-JUL-2011 11:39
Instrument ID: msc.i
Client ID: CCVIS-641574
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 07/19/2011

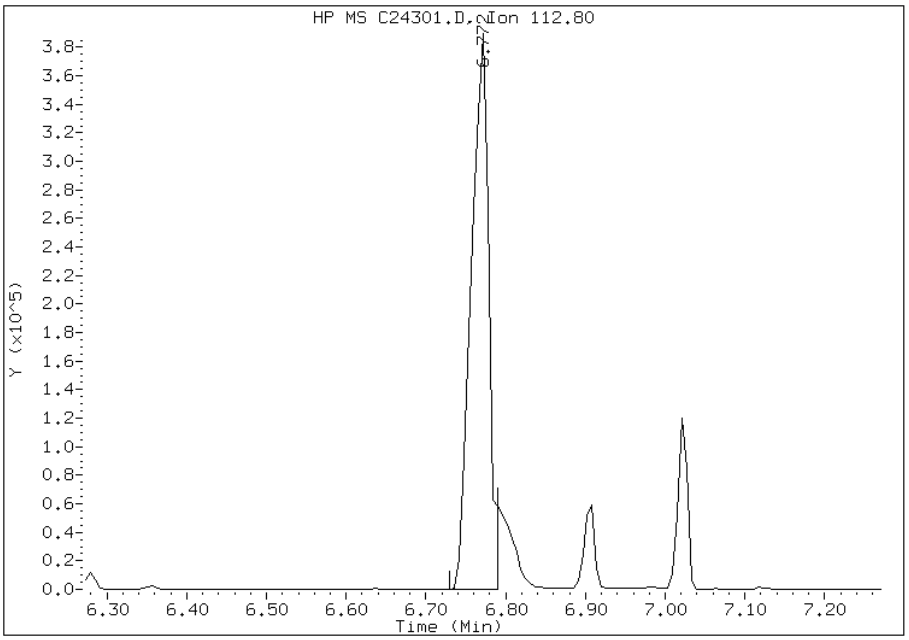
Processing Integration Results

RT: 6.77

Response: 595945

Amount: 38

Conc: 38



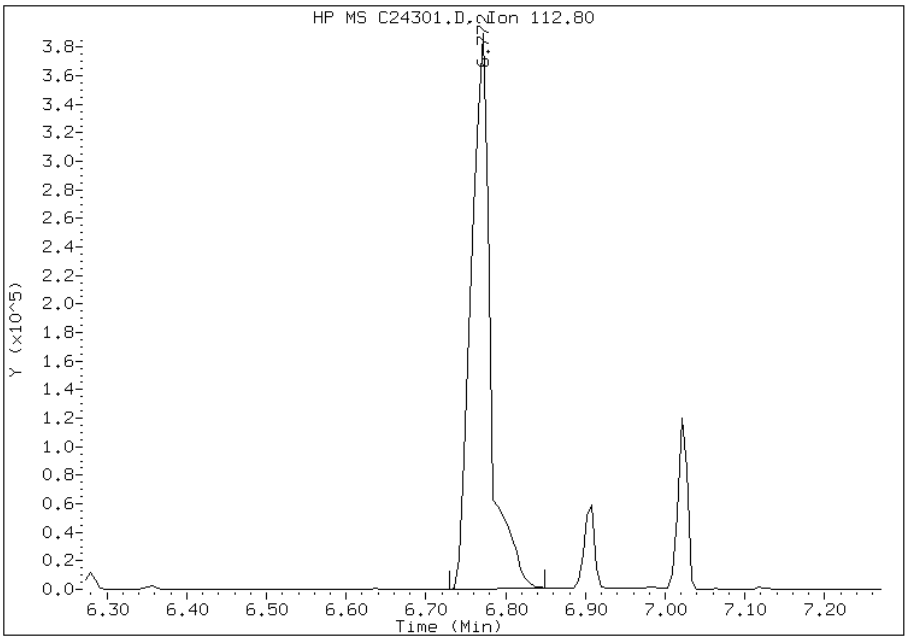
Manual Integration Results

RT: 6.77

Response: 660589

Amount: 43

Conc: 43



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

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab Sample ID: CCVIS 220-53063/1 Calibration Date: 07/19/2011 11:01

Instrument ID: MSC Calib Start Date: 07/14/2011 12:05

GC Column: ZB-5MS ID: 0.25(mm) Calib End Date: 07/14/2011 15:08

Lab File ID: C24330.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.3145	0.3191	0.0500	40.6	40.0	1.5	30.0
Pyridine	Ave	0.4126	0.4249	0.0500	41.2	40.0	3.0	30.0
Cyclohexanone	Qua	0.7110	0.8362	0.0500	62.2	40.0	55.4*	30.0
Benzaldehyde	Ave	0.5428	0.2350	0.0500	17.3	40.0	-56.7*	30.0
Aniline	Ave	1.817	1.861	0.0500	41.0	40.0	2.4	30.0
Phenol	Ave	1.736	1.622	0.0500	37.4	40.0	-6.6	20.0
Bis(2-chloroethyl)ether	Ave	1.128	1.152	0.0500	40.9	40.0	2.2	30.0
2-Chlorophenol	Ave	1.426	1.381	0.0500	38.7	40.0	-3.1	30.0
1,3-Dichlorobenzene	Ave	1.607	1.533	0.0500	38.2	40.0	-4.6	30.0
1,4-Dichlorobenzene	Ave	1.654	1.570	0.0500	38.0	40.0	-5.0	20.0
1,2-Dichlorobenzene	Ave	1.549	1.455	0.0500	37.6	40.0	-6.1	30.0
Benzyl alcohol	Ave	0.8652	0.8457	0.0500	39.1	40.0	-2.3	30.0
2,2'-oxybis[1-chloropropane]	Ave	2.436	2.444	0.0500	40.1	40.0	0.3	30.0
2-Methylphenol	Ave	1.246	1.207	0.0500	38.7	40.0	-3.1	30.0
Acetophenone	Ave	1.720	1.706	0.0500	39.7	40.0	-0.8	30.0
N-Nitrosodi-n-propylamine	Ave	1.002	1.021	0.0500	40.8	40.0	1.9	30.0
4-Methylphenol	Ave	1.329	1.313	0.0500	39.5	40.0	-1.2	30.0
Hexachloroethane	Ave	0.6691	0.6588	0.0500	39.4	40.0	-1.5	30.0
Nitrobenzene	Ave	0.3560	0.3548	0.0500	39.9	40.0	-0.3	30.0
Isophorone	Ave	0.6462	0.6677	0.0500	41.3	40.0	3.3	30.0
2-Nitrophenol	Ave	0.1974	0.2065	0.0500	41.9	40.0	4.6	20.0
2,4-Dimethylphenol	Ave	0.3032	0.3075	0.0500	40.6	40.0	1.4	30.0
Bis(2-chloroethoxy)methane	Ave	0.4024	0.4068	0.0500	40.4	40.0	1.1	30.0
Benzoic acid	Ave	0.1118	0.1688	0.0500	60.4	40.0	51.0*	30.0
2,4-Dichlorophenol	Ave	0.2916	0.2974	0.0500	40.8	40.0	2.0	20.0
1,2,4-Trichlorobenzene	Ave	0.3332	0.3209	0.0500	38.5	40.0	-3.7	30.0
Naphthalene	Ave	0.995	0.9610	0.0500	38.6	40.0	-3.5	30.0
4-Chloroaniline	Ave	0.4123	0.4268	0.0500	41.4	40.0	3.5	30.0
Hexachlorobutadiene	Ave	0.1962	0.1893	0.0500	38.6	40.0	-3.5	20.0
Caprolactam	Ave	0.0908	0.1072	0.0500	47.2	40.0	18.1	30.0
4-Chloro-3-methylphenol	Ave	0.2897	0.3038	0.0500	42.0	40.0	4.9	20.0
2,4,5-Trichlorotoluene	Ave	1.183	1.161	0.0500	39.2	40.0	-1.9	30.0
2-Methylnaphthalene	Ave	0.6865	0.6691	0.0500	39.0	40.0	-2.5	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2559	0.2601	0.0500	40.7	40.0	1.6	30.0
Hexachlorocyclopentadiene	Ave	0.3118	0.3231	0.0500	41.4	40.0	3.6	30.0
2,4,6-Trichlorophenol	Ave	0.3571	0.3614	0.0500	40.5	40.0	1.2	20.0
2,4,5-Trichlorophenol	Ave	0.3734	0.3946	0.0500	42.3	40.0	5.7	30.0
1,1'-Biphenyl	Ave	1.343	1.289	0.0500	38.4	40.0	-4.1	30.0
2-Chloronaphthalene	Ave	1.095	1.059	0.0500	38.7	40.0	-3.3	30.0
2-Nitroaniline	Ave	0.3381	0.3607	0.0500	42.7	40.0	6.7	30.0
Dimethyl phthalate	Ave	1.213	1.243	0.0500	41.0	40.0	2.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab Sample ID: CCVIS 220-53063/1 Calibration Date: 07/19/2011 11:01

Instrument ID: MSC Calib Start Date: 07/14/2011 12:05

GC Column: ZB-5MS ID: 0.25(mm) Calib End Date: 07/14/2011 15:08

Lab File ID: C24330.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Ave	0.2912	0.3069	0.0500	42.1	40.0	5.4	30.0
Acenaphthylene	Ave	1.743	1.664	0.0500	38.2	40.0	-4.6	30.0
3-Nitroaniline	Ave	0.3297	0.3570	0.0500	43.3	40.0	8.3	30.0
Acenaphthene	Ave	1.133	1.091	0.0500	38.5	40.0	-3.7	20.0
2,4-Dinitrophenol	Lin	0.1384	0.1700	0.0500	39.6	40.0	-1.1	30.0
4-Nitrophenol	Ave	0.1358	0.1499	0.0500	44.1	40.0	10.3	30.0
Dibenzofuran	Ave	1.573	1.539	0.0500	39.1	40.0	-2.2	30.0
2,4-Dinitrotoluene	Ave	0.3922	0.4171	0.0500	42.5	40.0	6.4	30.0
2,3,4,6-Tetrachlorophenol	Lin	0.2750	0.2966	0.0500	38.8	40.0	-3.1	30.0
Diethyl phthalate	Ave	1.252	1.283	0.0500	41.0	40.0	2.5	30.0
Fluorene	Ave	1.284	1.276	0.0500	39.8	40.0	-0.6	30.0
4-Chlorophenyl phenyl ether	Ave	0.6319	0.6283	0.0500	39.8	40.0	-0.6	30.0
4-Nitroaniline	Ave	0.3197	0.3509	0.0500	43.9	40.0	9.8	30.0
4,6-Dinitro-2-methylphenol	Lin	0.1239	0.1404	0.0500	39.8	40.0	-0.5	30.0
N-Nitrosodiphenylamine	Ave	0.5562	0.5341	0.0500	38.4	40.0	-4.0	20.0
1,2-Diphenylhydrazine	Ave	0.7878	0.7755	0.0500	39.4	40.0	-1.6	30.0
4-Bromophenyl phenyl ether	Ave	0.2208	0.2143	0.0500	38.8	40.0	-2.9	30.0
Hexachlorobenzene	Ave	0.2352	0.2252	0.0500	38.3	40.0	-4.3	30.0
Simazine	Ave	0.1275	0.1348	0.0500	42.3	40.0	5.7	30.0
Atrazine	Ave	0.1922	0.2126	0.0500	44.3	40.0	10.6	30.0
Pentachlorophenol	Lin	0.1115	0.1186	0.0500	35.9	40.0	-10.4	20.0
Pentachloronitrobenzene	Ave	0.0876	0.0925	0.0500	42.2	40.0	5.6	30.0
Phenanthrene	Ave	1.045	1.021	0.0500	39.1	40.0	-2.2	30.0
Anthracene	Ave	1.052	1.010	0.0500	38.4	40.0	-4.0	30.0
Carbazole	Ave	0.999	0.9864	0.0500	39.5	40.0	-1.3	30.0
Di-n-butyl phthalate	Ave	1.155	1.096	0.0500	38.0	40.0	-5.1	30.0
Fluoranthene	Ave	1.120	1.109	0.0500	39.6	40.0	-1.0	20.0
Benzidine	Qua	0.2506	0.3076	0.0500	48.5	40.0	21.3	30.0
Pyrene	Ave	1.305	1.248	0.0500	38.3	40.0	-4.3	30.0
3,3'-Dimethylbenzidine	Ave	0.2116	0.2438	0.0500	46.1	40.0	15.2	30.0
Butyl benzyl phthalate	Ave	0.5275	0.5921	0.0500	44.9	40.0	12.2	30.0
3,3'-Dichlorobenzidine	Ave	0.2958	0.3224	0.0500	43.6	40.0	9.0	30.0
Benzo[a]anthracene	Ave	1.103	1.081	0.0500	39.2	40.0	-2.0	30.0
Bis(2-ethylhexyl) phthalate	Lin	0.5547	0.6949	0.0500	42.8	40.0	7.0	30.0
Chrysene	Ave	1.050	0.998	0.0500	38.0	40.0	-4.9	30.0
Di-n-octyl phthalate	Qua	1.072	1.563	0.0500	44.9	40.0	12.3	20.0
Benzo[b]fluoranthene	Ave	1.296	1.388	0.0500	42.9	40.0	7.1	30.0
Benzo[k]fluoranthene	Ave	1.361	1.421	0.0500	41.8	40.0	4.4	30.0
Benzo[a]pyrene	Ave	0.9563	1.010	0.0500	42.3	40.0	5.6	20.0
Indeno[1,2,3-cd]pyrene	Qua	0.5206	0.4814	0.0500	36.2	40.0	-9.4	30.0
Dibenz(a,h)anthracene	Qua	0.5128	0.4806	0.0500	35.5	40.0	-11.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab Sample ID: CCVIS 220-53063/1 Calibration Date: 07/19/2011 11:01

Instrument ID: MSC Calib Start Date: 07/14/2011 12:05

GC Column: ZB-5MS ID: 0.25(mm) Calib End Date: 07/14/2011 15:08

Lab File ID: C24330.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Qua	0.5529	0.4773	0.0500	34.1	40.0	-14.9	30.0
2-Fluorophenol	Ave	1.138	1.108	0.0500	39.0	40.0	-2.6	30.0
Phenol-d5	Ave	1.518	1.496	0.0500	39.4	40.0	-1.5	30.0
Nitrobenzene-d5	Ave	0.3470	0.3508	0.0500	40.4	40.0	1.1	30.0
2-Fluorobiphenyl	Ave	1.220	1.172	0.0500	38.4	40.0	-4.0	30.0
2,4,6-Tribromophenol	Ave	0.1733	0.1752	0.0500	40.4	40.0	1.1	30.0
Terphenyl-d14	Ave	0.8799	0.8452	0.0500	38.4	40.0	-3.9	30.0

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124329.b\C24330.D
Lab Smp Id: CCVIS-641574 Client Smp ID: CCVIS-641574
Inj Date : 19-JUL-2011 11:01
Operator : S.Jonas Inst ID: msc.i
Smp Info : CCVIS-641574
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124329.b\MSC-8270C.m
Meth Date : 19-Jul-2011 11:25 stephan Quant Type: ISTD
Cal Date : 14-JUL-2011 12:05 Cal File: C24250.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
*	1 1,4-Dichlorobenzene-d4	152	4.878	4.878	(1.000)	961748	20.0000	
$	2 2-Fluorophenol	112	3.442	3.442	(0.706)	2131137	40.0000	39
$	3 Phenol-d5	99	4.557	4.557	(0.934)	2876617	40.0000	39
	4 Pyridine	52	1.625	1.625	(0.333)	817319	40.0000	41
	5 N-Nitrosodimethylamine	42	1.619	1.619	(0.332)	613708	40.0000	41
	6 Cyclohexanone	42	3.655	3.655	(0.749)	1608445	40.0000	62
	128 Benzaldehyde	77	4.391	4.391	(0.900)	451971	40.0000	17
	7 Phenol	94	4.575	4.575	(0.938)	3119901	40.0000	37
	8 Aniline	93	4.534	4.534	(0.929)	3578721	40.0000	41
	9 bis(2-Chloroethyl)ether	63	4.629	4.629	(0.949)	2216591	40.0000	41
	10 2-Chlorophenol	128	4.658	4.658	(0.955)	2656953	40.0000	39
	11 1,3-Dichlorobenzene	146	4.813	4.813	(0.987)	2948649	40.0000	38
	12 1,4-Dichlorobenzene	146	4.896	4.896	(1.004)	3020388	40.0000	38
	13 Benzyl alcohol	108	5.062	5.062	(1.038)	1626719	40.0000	39
	14 1,2-Dichlorobenzene	146	5.056	5.056	(1.037)	2798873	40.0000	38
	15 2,2'-oxybis(1-Chloropropane)	45	5.210	5.210	(1.068)	4701830	40.0000	40
	16 2-Methylphenol	108	5.210	5.210	(1.068)	2322262	40.0000	39
	92 Acetophenone	105	5.335	5.335	(1.094)	3282151	40.0000	40
	17 Hexachloroethane	117	5.418	5.418	(1.111)	1267105	40.0000	39
	18 N-Nitroso-di-n-propylamine	70	5.359	5.359	(1.099)	1964598	40.0000	41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.377	5.377	(1.102)	2525862	40.0000	40
*	20 Naphthalene-d8	136	6.243	6.243	(1.000)	3905937	20.0000	
$	21 Nitrobenzene-d5	82	5.483	5.483	(0.878)	2740042	40.0000	40
	22 Nitrobenzene	77	5.507	5.507	(0.882)	2771376	40.0000	40
	23 Isophorone	82	5.774	5.774	(0.925)	5216000	40.0000	41
	24 2-Nitrophenol	139	5.845	5.845	(0.936)	1613452	40.0000	42
	25 2,4-Dimethylphenol	122	5.934	5.934	(0.951)	2402338	40.0000	41
	26 Benzoic Acid	122	6.112	6.112	(0.979)	1318927	40.0000	60(M)
	27 Bis(2-Chloroethoxy)methane	93	6.023	6.023	(0.965)	3177758	40.0000	40
	28 2,4-Dichlorophenol	162	6.118	6.118	(0.980)	2323551	40.0000	41
	29 1,2,4-Trichlorobenzene	180	6.190	6.190	(0.991)	2507082	40.0000	39
	30 Naphthalene	128	6.267	6.267	(1.004)	7507152	40.0000	39
	31 4-Chloroaniline	127	6.344	6.344	(1.016)	3334424	40.0000	41
	32 Hexachlorobutadiene	225	6.421	6.421	(1.029)	1479040	40.0000	39
	129 Caprolactam	113	6.765	6.765	(1.084)	837128	40.0000	47(M)
	33 4-Chloro-3-methylphenol	107	6.896	6.896	(1.105)	2373567	40.0000	42
	34 2-Methylnaphthalene	142	7.009	7.009	(1.123)	5226887	40.0000	39
*	35 Acenaphthene-d10	164	8.113	8.113	(1.000)	2404136	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.973	6.973	(1.429)	2232586	40.0000	39
	37 Hexachlorocyclopentadiene	237	7.187	7.187	(0.886)	1553307	40.0000	41
	38 2,4,6-Trichlorophenol	196	7.323	7.323	(0.903)	1737798	40.0000	40
	39 2,4,5-Trichlorophenol	196	7.365	7.365	(0.908)	1897545	40.0000	42
$	40 2-Fluorobiphenyl	172	7.412	7.412	(0.914)	5633489	40.0000	38
	130 1,1'-Biphenyl	154	7.513	7.513	(0.926)	6195576	40.0000	38
	41 2-Chloronaphthalene	162	7.525	7.525	(0.928)	5091720	40.0000	39
	42 2-Nitroaniline	65	7.644	7.644	(0.942)	1734490	40.0000	43
	43 Acenaphthylene	152	7.958	7.958	(0.981)	7998925	40.0000	38
	44 Dimethylphthalate	163	7.857	7.857	(0.969)	5978094	40.0000	41
	45 2,6-Dinitrotoluene	165	7.911	7.911	(0.975)	1475468	40.0000	42
	46 Acenaphthene	153	8.148	8.148	(1.004)	5246256	40.0000	39
	47 3-Nitroaniline	138	8.089	8.089	(0.997)	1716392	40.0000	43
	48 2,4-Dinitrophenol	184	8.190	8.190	(1.010)	817160	40.0000	40
	49 Dibenzofuran	168	8.332	8.332	(1.027)	7399132	40.0000	39
	50 2,4-Dinitrotoluene	165	8.338	8.338	(1.028)	2005538	40.0000	43
	51 4-Nitrophenol	109	8.297	8.297	(1.023)	720654	40.0000	44
	52 Fluorene	166	8.694	8.694	(1.072)	6133363	40.0000	40
	53 4-Chlorophenyl-phenylether	204	8.706	8.706	(1.073)	3020984	40.0000	40
	54 Diethylphthalate	149	8.605	8.605	(1.061)	6171283	40.0000	41
	55 4-Nitroaniline	138	8.742	8.742	(1.078)	1687185	40.0000	44
$	56 2,4,6-Tribromophenol	330	8.955	8.955	(1.104)	842439	40.0000	40
*	57 Phenanthrene-d10	188	9.686	9.686	(1.000)	4192583	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.772	8.772	(0.906)	1177617	40.0000	40
	59 N-Nitrosodiphenylamine (1)	169	8.837	8.837	(0.912)	4478368	40.0000	38
	60 1,2-Diphenylhydrazine	77	8.872	8.872	(0.916)	6502669	40.0000	39
	61 4-Bromophenyl-phenylether	248	9.217	9.217	(0.952)	1796661	40.0000	39
	131 Atrazine	200	9.424	9.424	(0.973)	1782686	40.0000	44
	62 Hexachlorobenzene	284	9.288	9.288	(0.959)	1888037	40.0000	38
	63 Pentachlorophenol	266	9.496	9.496	(0.980)	994331	40.0000	36
	64 Phenanthrene	178	9.709	9.709	(1.002)	8565202	40.0000	39
	65 Carbazole	167	9.941	9.941	(1.026)	8271097	40.0000	39
	66 Anthracene	178	9.769	9.769	(1.009)	8466320	40.0000	38
	67 Di-n-butylphthalate	149	10.327	10.327	(1.066)	9190392	40.0000	38
	68 Fluoranthene	202	10.968	10.968	(1.132)	9297584	40.0000	40
*	70 Chrysene-d12	240	12.588	12.588	(1.000)	3720778	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
71	Benzidine	184	11.116	11.116	(0.883)	2288751	40.0000	49
72	Pyrene	202	11.211	11.211	(0.891)	9290275	40.0000	38
$ 73	Terphenyl-d14	244	11.383	11.383	(0.904)	6289435	40.0000	38
74	Butylbenzylphthalate	149	11.911	11.911	(0.946)	4406179	40.0000	45
124	3,3'-Dimethylbenzidine	212	11.888	11.888	(0.944)	1813946	40.0000	46
75	3,3'-Dichlorobenzidine	252	12.546	12.546	(0.997)	2399146	40.0000	44
76	Benzo(a)anthracene	228	12.570	12.570	(0.999)	8043328	40.0000	39
77	Chrysene	228	12.624	12.624	(1.003)	7430048	40.0000	38
78	Bis(2-Ethylhexyl)phthalate	149	12.624	12.624	(1.003)	5171451	40.0000	43
* 79	Perylene-d12	264	14.796	14.796	(1.000)	1822138	20.0000	
80	Di-n-octylphthalate	149	13.555	13.555	(0.916)	5695765	40.0000	45
81	Benzo(b)fluoranthene	252	14.149	14.149	(0.956)	5058046	40.0000	43
82	Benzo(k)fluoranthene	252	14.196	14.196	(0.959)	5179896	40.0000	42
83	Benzo(a)pyrene	252	14.695	14.695	(0.993)	3681629	40.0000	42
84	Indeno(1,2,3-cd)pyrene	276	16.826	16.826	(1.137)	1754393	40.0000	36
85	Dibenzo(a,h)anthracene	278	16.879	16.879	(1.141)	1751322	40.0000	35
86	Benzo(g,h,i)perylene	276	17.360	17.360	(1.173)	1739540	40.0000	34
167	Simazine	201	9.395	9.395	(0.970)	1130434	40.0000	42
103	1,2,4,5-Tetrachlorobenzene	216	7.187	7.187	(0.886)	1250744	40.0000	41
109	2,3,4,6-Tetrachlorophenol	232	8.475	8.475	(1.045)	1426150	40.0000	39
119	Pentachloronitrobenzene	237	9.513	9.513	(0.982)	775846	40.0000	42

QC Flag Legend

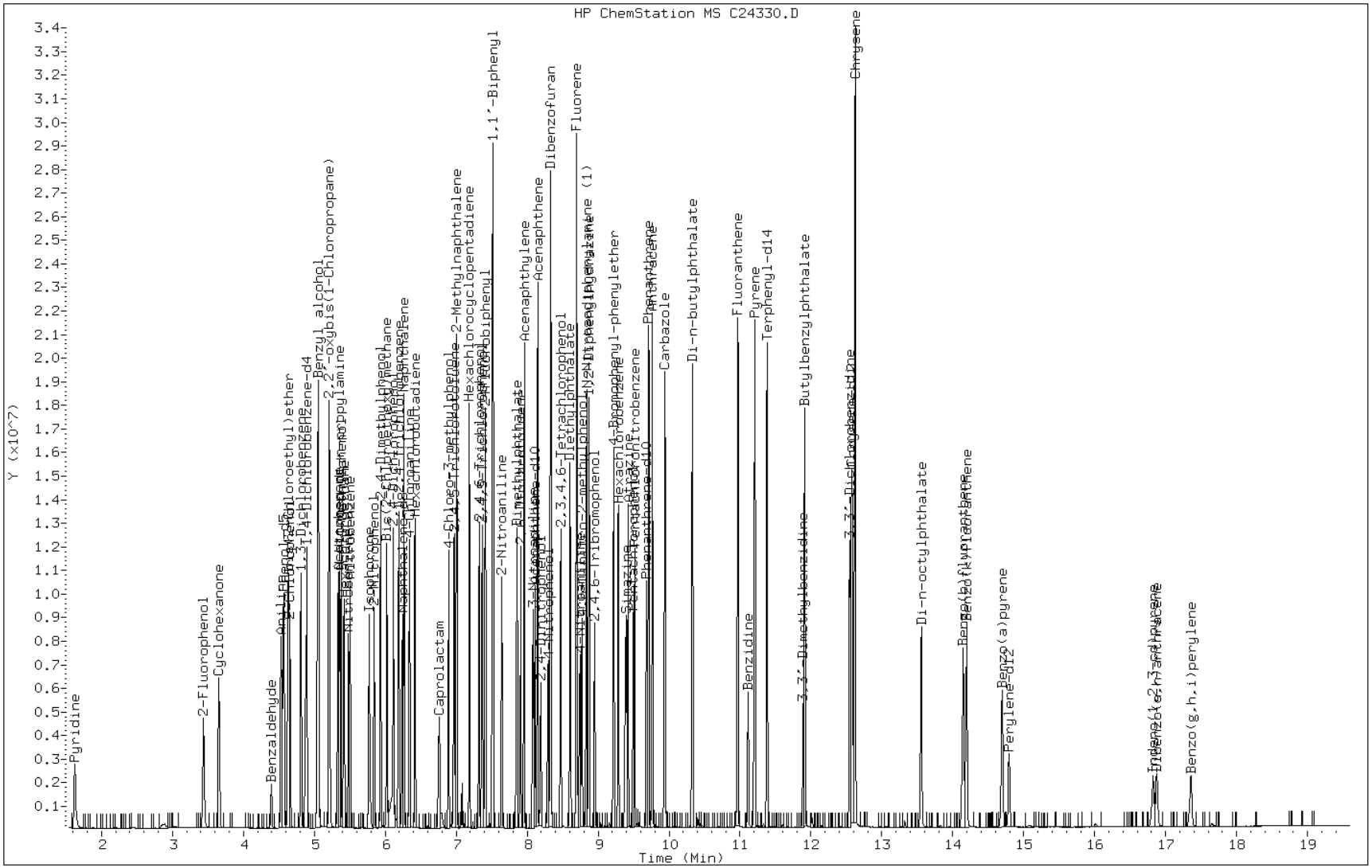
M - Compound response manually integrated.

Data File: C24330.D

Date: 19-JUL-2011 11:01

Client ID: CCVIS-641574 Instrument: msc.i

Sample Info: CCVIS-641574 Operator: S.Jonas



Manual Integration Report

Data File: C24330.D
Inj. Date and Time: 19-JUL-2011 11:01
Instrument ID: msc.i
Client ID: CCVIS-641574
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 07/20/2011

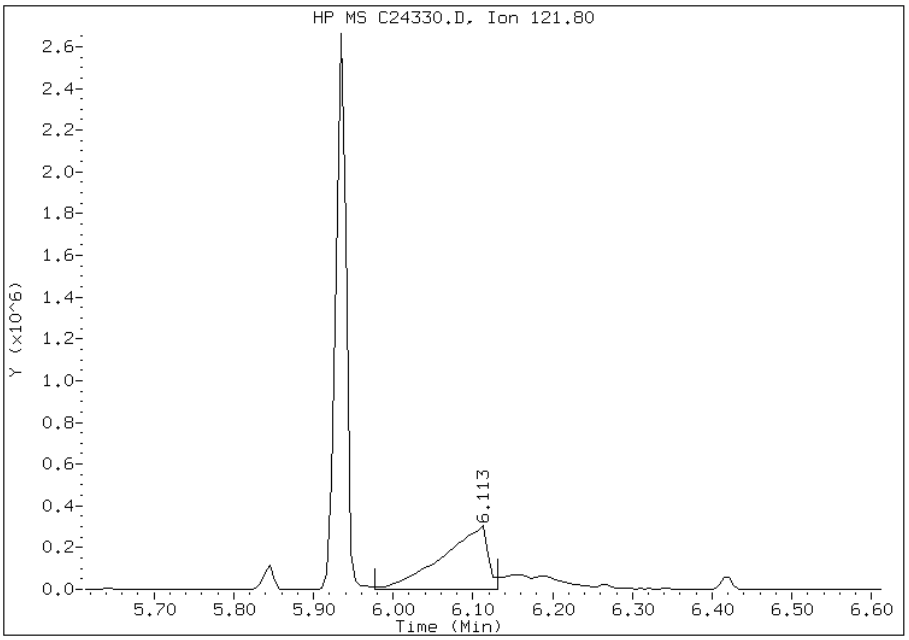
Processing Integration Results

RT: 6.11

Response: 1202346

Amount: 55

Conc: 55



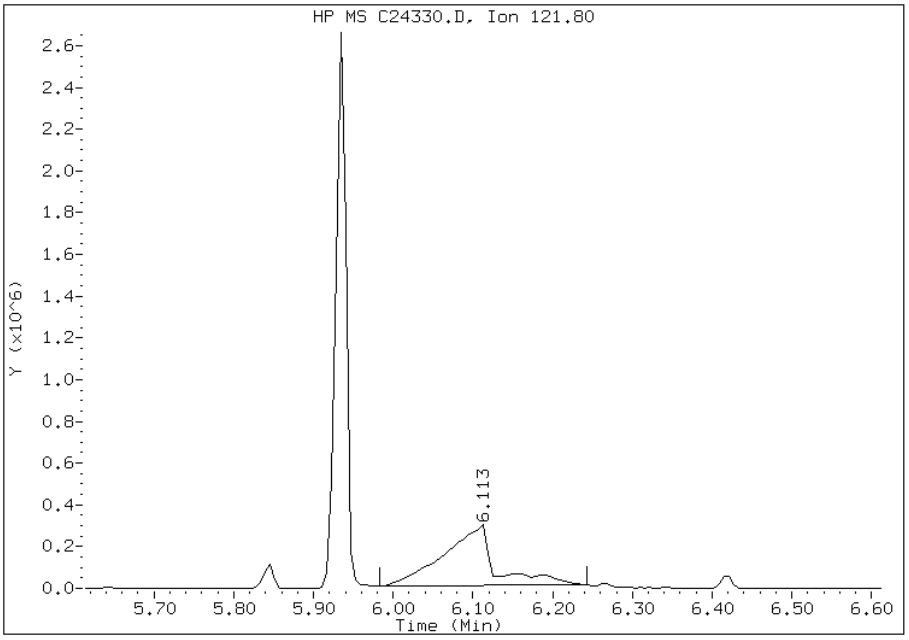
Manual Integration Results

RT: 6.11

Response: 1318927

Amount: 60

Conc: 60



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

Manual Integration Report

Data File: C24330.D
Inj. Date and Time: 19-JUL-2011 11:01
Instrument ID: msc.i
Client ID: CCVIS-641574
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 07/20/2011

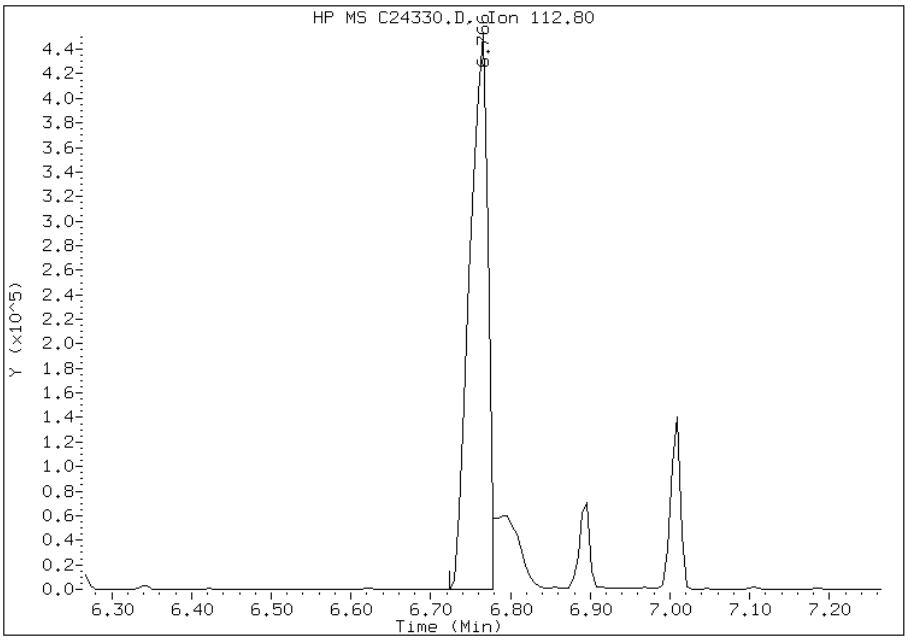
Processing Integration Results

RT: 6.77

Response: 716318

Amount: 40

Conc: 40



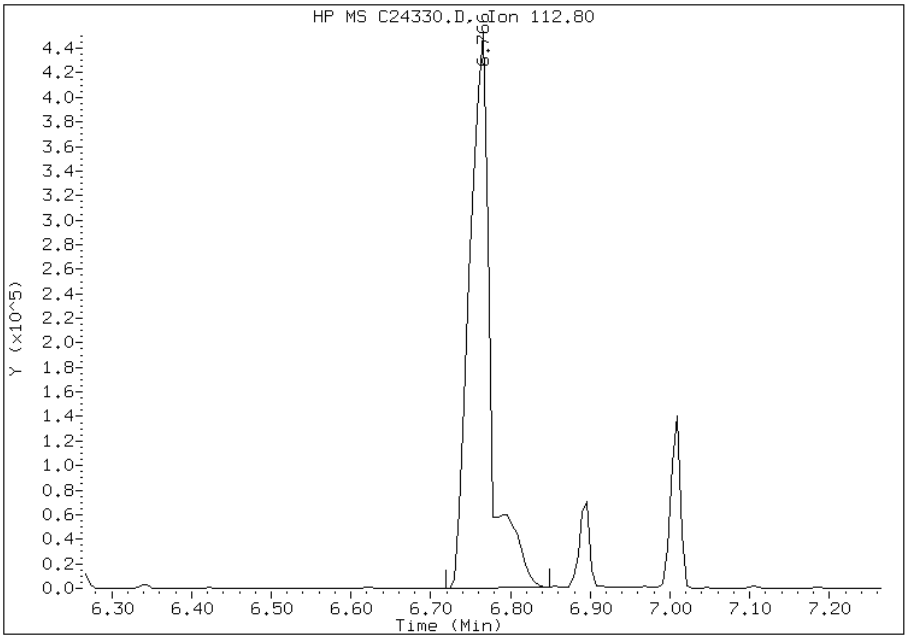
Manual Integration Results

RT: 6.77

Response: 837128

Amount: 47

Conc: 47



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

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab Sample ID: CCVIS 220-52963/1 Calibration Date: 07/18/2011 07:40

Instrument ID: MSZ Calib Start Date: 06/23/2011 08:38

GC Column: RXi-5MS ID: 0.25(mm) Calib End Date: 06/23/2011 15:59

Lab File ID: Z21683.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.2451	0.2163	0.0500	35.3	40.0	-11.8	30.0
Pyridine	Ave	0.3168	0.2853	0.0500	36.0	40.0	-10.0	30.0
Cyclohexanone	Ave	0.5044	0.5909	0.0500	46.9	40.0	17.1	30.0
Benzaldehyde	Ave	0.6500	0.0813	0.0500	5.00	40.0	-87.5*	30.0
Aniline	Ave	2.002	1.993	0.0500	39.8	40.0	-0.4	30.0
Phenol	Ave	1.746	1.621	0.0500	37.1	40.0	-7.2	20.0
Bis(2-chloroethyl)ether	Ave	1.050	0.9704	0.0500	37.0	40.0	-7.5	30.0
2-Chlorophenol	Ave	1.507	1.411	0.0500	37.4	40.0	-6.4	30.0
1,3-Dichlorobenzene	Ave	1.687	1.540	0.0500	36.5	40.0	-8.7	30.0
1,4-Dichlorobenzene	Ave	1.737	1.572	0.0500	36.2	40.0	-9.5	20.0
1,2-Dichlorobenzene	Ave	1.601	1.412	0.0500	35.3	40.0	-11.8	30.0
Benzyl alcohol	Ave	0.8568	0.8653	0.0500	40.4	40.0	1.0	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.776	1.634	0.0500	36.8	40.0	-8.0	30.0
2-Methylphenol	Ave	1.335	1.259	0.0500	37.7	40.0	-5.6	30.0
Acetophenone	Ave	2.064	1.925	0.0500	37.3	40.0	-6.8	30.0
N-Nitrosodi-n-propylamine	Ave	1.121	1.065	0.0500	38.0	40.0	-5.0	30.0
4-Methylphenol	Ave	1.458	1.394	0.0500	38.2	40.0	-4.4	30.0
Hexachloroethane	Ave	0.7258	0.6529	0.0500	36.0	40.0	-10.0	30.0
Nitrobenzene	Ave	0.3613	0.3470	0.0500	38.4	40.0	-3.9	30.0
Isophorone	Ave	0.6658	0.6626	0.0500	39.8	40.0	-0.5	30.0
2-Nitrophenol	Ave	0.1979	0.1935	0.0500	39.1	40.0	-2.2	20.0
2,4-Dimethylphenol	Ave	0.2876	0.2886	0.0500	40.2	40.0	0.4	30.0
Bis(2-chloroethoxy)methane	Ave	0.4186	0.4058	0.0500	38.8	40.0	-3.1	30.0
2,4-Dichlorophenol	Ave	0.2833	0.2717	0.0500	38.4	40.0	-4.1	20.0
Benzoic acid	Ave	0.1871	0.2009	0.0500	43.0	40.0	7.4	30.0
1,2,4-Trichlorobenzene	Ave	0.3124	0.2945	0.0500	37.7	40.0	-5.7	30.0
Naphthalene	Ave	1.024	0.9650	0.0500	37.7	40.0	-5.7	30.0
4-Chloroaniline	Ave	0.4152	0.4159	0.0500	40.1	40.0	0.1	30.0
Hexachlorobutadiene	Ave	0.1765	0.1635	0.0500	37.0	40.0	-7.4	20.0
Caprolactam	Ave	0.1002	0.1024	0.0500	40.9	40.0	2.2	30.0
4-Chloro-3-methylphenol	Ave	0.3185	0.3117	0.0500	39.1	40.0	-2.1	20.0
2,4,5-Trichlorotoluene	Ave	1.371	1.233	0.0500	36.0	40.0	-10.1	30.0
2-Methylnaphthalene	Ave	0.7032	0.6669	0.0500	37.9	40.0	-5.2	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2187	0.2268	0.0500	41.5	40.0	3.7	30.0
Hexachlorocyclopentadiene	Ave	0.2918	0.3179	0.0500	43.6	40.0	8.9	30.0
2,4,6-Trichlorophenol	Ave	0.3404	0.3382	0.0500	39.7	40.0	-0.6	20.0
2,4,5-Trichlorophenol	Ave	0.3564	0.3533	0.0500	39.6	40.0	-0.9	30.0
1,1'-Biphenyl	Ave	1.327	1.261	0.0500	38.0	40.0	-5.0	30.0
2-Chloronaphthalene	Ave	1.074	1.019	0.0500	37.9	40.0	-5.1	30.0
2-Nitroaniline	Ave	0.3270	0.3301	0.0500	40.4	40.0	0.9	30.0
Dimethyl phthalate	Ave	1.272	1.247	0.0500	39.2	40.0	-2.0	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab Sample ID: CCVIS 220-52963/1 Calibration Date: 07/18/2011 07:40

Instrument ID: MSZ Calib Start Date: 06/23/2011 08:38

GC Column: RXi-5MS ID: 0.25(mm) Calib End Date: 06/23/2011 15:59

Lab File ID: Z21683.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Ave	0.3017	0.3023	0.0500	40.1	40.0	0.2	30.0
Acenaphthylene	Ave	1.814	1.761	0.0500	38.8	40.0	-3.0	30.0
3-Nitroaniline	Ave	0.3299	0.3395	0.0500	41.2	40.0	2.9	30.0
Acenaphthene	Ave	1.127	1.088	0.0500	38.6	40.0	-3.4	20.0
2,4-Dinitrophenol	Lin	0.1654	0.1849	0.0500	38.7	40.0	-3.4	30.0
4-Nitrophenol	Ave	0.1656	0.1746	0.0500	42.2	40.0	5.4	30.0
Dibenzofuran	Ave	1.553	1.486	0.0500	38.3	40.0	-4.3	30.0
2,4-Dinitrotoluene	Ave	0.4022	0.3995	0.0500	39.7	40.0	-0.7	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.2550	0.2748	0.0500	43.1	40.0	7.8	30.0
Diethyl phthalate	Ave	1.329	1.315	0.0500	39.6	40.0	-1.1	30.0
Fluorene	Ave	1.262	1.241	0.0500	39.3	40.0	-1.7	30.0
4-Chlorophenyl phenyl ether	Ave	0.6028	0.5934	0.0500	39.4	40.0	-1.6	30.0
4-Nitroaniline	Ave	0.3249	0.3409	0.0500	42.0	40.0	4.9	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1382	0.1483	0.0500	42.9	40.0	7.3	30.0
N-Nitrosodiphenylamine	Ave	0.5715	0.5572	0.0500	39.0	40.0	-2.5	20.0
1,2-Diphenylhydrazine	Ave	0.8450	0.8232	0.0500	39.0	40.0	-2.6	30.0
4-Bromophenyl phenyl ether	Ave	0.2117	0.2094	0.0500	39.6	40.0	-1.1	30.0
Hexachlorobenzene	Ave	0.2289	0.2217	0.0500	38.7	40.0	-3.1	30.0
Simazine	Ave	0.1275	0.1297	0.0500	40.7	40.0	1.7	30.0
Atrazine	Ave	0.1999	0.2153	0.0500	43.1	40.0	7.7	30.0
Pentachlorophenol	Lin	0.1196	0.1304	0.0500	38.9	40.0	-2.6	20.0
Pentachloronitrobenzene	Ave	0.0904	0.0885	0.0500	39.2	40.0	-2.1	30.0
Phenanthrene	Ave	1.125	1.090	0.0500	38.7	40.0	-3.2	30.0
Anthracene	Ave	1.143	1.130	0.0500	39.5	40.0	-1.1	30.0
Carbazole	Ave	1.048	1.049	0.0500	40.1	40.0	0.1	30.0
Di-n-butyl phthalate	Ave	1.352	1.373	0.0500	40.6	40.0	1.5	30.0
Fluoranthene	Ave	1.180	1.185	0.0500	40.2	40.0	0.4	20.0
Benzidine	Ave	0.2586	0.3077	0.0500	47.6	40.0	19.0	30.0
Pyrene	Ave	1.389	1.221	0.0500	35.2	40.0	-12.1	30.0
3,3'-Dimethylbenzidine	Ave	0.2436	0.2082	0.0500	34.2	40.0	-14.5	30.0
Butyl benzyl phthalate	Ave	0.6173	0.5924	0.0500	38.4	40.0	-4.0	30.0
3,3'-Dichlorobenzidine	Ave	0.3272	0.3238	0.0500	39.6	40.0	-1.0	30.0
Benzo[a]anthracene	Ave	1.162	1.095	0.0500	37.7	40.0	-5.8	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.7065	0.7143	0.0500	40.4	40.0	1.1	30.0
Chrysene	Ave	1.115	1.036	0.0500	37.2	40.0	-7.1	30.0
Di-n-octyl phthalate	Qua	1.179	1.418	0.0500	43.0	40.0	7.4	20.0
Benzo[b]fluoranthene	Ave	1.260	1.266	0.0500	40.2	40.0	0.5	30.0
Benzo[k]fluoranthene	Ave	1.294	1.361	0.0500	42.1	40.0	5.2	30.0
Benzo[a]pyrene	Ave	0.9730	1.000	0.0500	41.1	40.0	2.8	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.5299	0.4262	0.0500	32.2	40.0	-19.6	30.0
Dibenz(a,h)anthracene	Ave	0.4956	0.4212	0.0500	34.0	40.0	-15.0	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab Sample ID: CCVIS 220-52963/1 Calibration Date: 07/18/2011 07:40

Instrument ID: MSZ Calib Start Date: 06/23/2011 08:38

GC Column: RXi-5MS ID: 0.25(mm) Calib End Date: 06/23/2011 15:59

Lab File ID: Z21683.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Ave	0.5289	0.3698	0.0500	28.0	40.0	-30.1*	30.0
2-Fluorophenol	Ave	1.134	1.085	0.0500	38.3	40.0	-4.3	30.0
Phenol-d5	Ave	1.642	1.548	0.0500	37.7	40.0	-5.7	30.0
Nitrobenzene-d5	Ave	0.3553	0.3424	0.0500	38.5	40.0	-3.6	30.0
2-Fluorobiphenyl	Ave	1.195	1.141	0.0500	38.2	40.0	-4.5	30.0
2,4,6-Tribromophenol	Ave	0.1829	0.1817	0.0500	39.7	40.0	-0.7	30.0
Terphenyl-d14	Ave	0.9243	0.8466	0.0500	36.6	40.0	-8.4	30.0

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\Z21683.D
Lab Smp Id: CCVIS-641574 Client Smp ID: CCVIS-641574
Inj Date : 18-JUL-2011 07:40
Operator : S.Jonas Inst ID: msz.i
Smp Info : CCVIS-641574
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\MSZ-8270C.m
Meth Date : 18-Jul-2011 08:04 stephan Quant Type: ISTD
Cal Date : 23-JUN-2011 08:38 Cal File: Z21499.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.846	4.846	(1.000)	277343	20.0000	
$ 2	2-Fluorophenol	112	3.401	3.401	(0.702)	601760	40.0000	38
$ 3	Phenol-d5	99	4.526	4.526	(0.934)	858536	40.0000	38
4	Pyridine	52	1.601	1.601	(0.331)	158238	40.0000	36
5	N-Nitrosodimethylamine	42	1.592	1.592	(0.329)	119967	40.0000	35
6	Cyclohexanone	42	3.622	3.622	(0.747)	327737	40.0000	47
128	Benzaldehyde	77	4.364	4.364	(0.901)	45099	40.0000	5
7	Phenol	94	4.542	4.542	(0.937)	899159	40.0000	37
8	Aniline	93	4.501	4.501	(0.929)	1105629	40.0000	40
9	bis(2-Chloroethyl)ether	63	4.598	4.598	(0.949)	538261	40.0000	37
10	2-Chlorophenol	128	4.626	4.626	(0.954)	782390	40.0000	37
11	1,3-Dichlorobenzene	146	4.781	4.781	(0.987)	854386	40.0000	36
12	1,4-Dichlorobenzene	146	4.865	4.865	(1.004)	871928	40.0000	36
13	Benzyl alcohol	108	5.033	5.033	(1.038)	479974	40.0000	40
14	1,2-Dichlorobenzene	146	5.026	5.026	(1.037)	783168	40.0000	35
15	2,2'-oxybis(1-Chloropropane)	45	5.179	5.179	(1.069)	906498	40.0000	37
16	2-Methylphenol	108	5.182	5.182	(1.069)	698606	40.0000	38
92	Acetophenone	105	5.303	5.303	(1.094)	1067505	40.0000	37
17	Hexachloroethane	117	5.384	5.384	(1.111)	362161	40.0000	36
18	N-Nitroso-di-n-propylamine	70	5.328	5.328	(1.099)	590716	40.0000	38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.350	5.350	(1.104)	773045	40.0000	38
*	20 Naphthalene-d8	136	6.211	6.211	(1.000)	1252726	20.0000	
$	21 Nitrobenzene-d5	82	5.452	5.452	(0.878)	857817	40.0000	38
	22 Nitrobenzene	77	5.474	5.474	(0.881)	869399	40.0000	38
	23 Isophorone	82	5.744	5.744	(0.925)	1660048	40.0000	40
	24 2-Nitrophenol	139	5.813	5.813	(0.936)	484745	40.0000	39
	25 2,4-Dimethylphenol	122	5.906	5.906	(0.951)	723184	40.0000	40
	26 Benzoic Acid	122	6.089	6.089	(0.980)	503401	40.0000	43(M)
	27 Bis(2-Chloroethoxy)methane	93	5.996	5.996	(0.965)	1016719	40.0000	39
	28 2,4-Dichlorophenol	162	6.083	6.083	(0.979)	680682	40.0000	38
	29 1,2,4-Trichlorobenzene	180	6.158	6.158	(0.991)	737891	40.0000	38
	30 Naphthalene	128	6.232	6.232	(1.004)	2417778	40.0000	38
	31 4-Chloroaniline	127	6.310	6.310	(1.016)	1041890	40.0000	40
	32 Hexachlorobutadiene	225	6.388	6.388	(1.029)	409609	40.0000	37
	129 Caprolactam	113	6.739	6.739	(1.085)	256576	40.0000	41(M)
	33 4-Chloro-3-methylphenol	107	6.860	6.860	(1.105)	781002	40.0000	39
	34 2-Methylnaphthalene	142	6.975	6.975	(1.123)	1670984	40.0000	38
*	35 Acenaphthene-d10	164	8.072	8.072	(1.000)	772775	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.938	6.938	(1.432)	683701	40.0000	36
	37 Hexachlorocyclopentadiene	237	7.156	7.156	(0.886)	491318	40.0000	44
	38 2,4,6-Trichlorophenol	196	7.289	7.289	(0.903)	522737	40.0000	40
	39 2,4,5-Trichlorophenol	196	7.330	7.330	(0.908)	546012	40.0000	40
$	40 2-Fluorobiphenyl	172	7.376	7.376	(0.914)	1763712	40.0000	38
	130 1,1'-Biphenyl	154	7.479	7.479	(0.926)	1948572	40.0000	38
	41 2-Chloronaphthalene	162	7.488	7.488	(0.928)	1574229	40.0000	38
	42 2-Nitroaniline	65	7.612	7.612	(0.943)	510126	40.0000	40
	43 Acenaphthylene	152	7.923	7.923	(0.982)	2721192	40.0000	39
	44 Dimethylphthalate	163	7.824	7.824	(0.969)	1927268	40.0000	39
	45 2,6-Dinitrotoluene	165	7.877	7.877	(0.976)	467164	40.0000	40
	46 Acenaphthene	153	8.113	8.113	(1.005)	1681651	40.0000	39
	47 3-Nitroaniline	138	8.051	8.051	(0.997)	524653	40.0000	41
	48 2,4-Dinitrophenol	184	8.156	8.156	(1.010)	285757	40.0000	39
	49 Dibenzofuran	168	8.296	8.296	(1.028)	2296426	40.0000	38
	50 2,4-Dinitrotoluene	165	8.299	8.299	(1.028)	617363	40.0000	40
	51 4-Nitrophenol	109	8.259	8.259	(1.023)	269904	40.0000	42
	52 Fluorene	166	8.657	8.657	(1.072)	1918342	40.0000	39
	53 4-Chlorophenyl-phenylether	204	8.666	8.666	(1.074)	917139	40.0000	39
	54 Diethylphthalate	149	8.573	8.573	(1.062)	2032012	40.0000	40
	55 4-Nitroaniline	138	8.710	8.710	(1.079)	526896	40.0000	42
$	56 2,4,6-Tribromophenol	330	8.915	8.915	(1.104)	280806	40.0000	40
*	57 Phenanthrene-d10	188	9.645	9.645	(1.000)	1306540	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.734	8.734	(0.906)	387489	40.0000	43
	59 N-Nitrosodiphenylamine (1)	169	8.800	8.800	(0.912)	1455945	40.0000	39
	60 1,2-Diphenylhydrazine	77	8.837	8.837	(0.916)	2151084	40.0000	39
	61 4-Bromophenyl-phenylether	248	9.182	9.182	(0.952)	547269	40.0000	40
	131 Atrazine	200	9.387	9.387	(0.973)	562495	40.0000	43
	62 Hexachlorobenzene	284	9.247	9.247	(0.959)	579399	40.0000	39
	63 Pentachlorophenol	266	9.459	9.459	(0.981)	340750	40.0000	39
	64 Phenanthrene	178	9.673	9.673	(1.003)	2847426	40.0000	39
	65 Carbazole	167	9.903	9.903	(1.027)	2742410	40.0000	40
	66 Anthracene	178	9.726	9.726	(1.008)	2953158	40.0000	40
	67 Di-n-butylphthalate	149	10.292	10.292	(1.067)	3586748	40.0000	41
	68 Fluoranthene	202	10.929	10.929	(1.133)	3097042	40.0000	40
*	70 Chrysene-d12	240	12.529	12.529	(1.000)	1293955	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
71	Benzidine	184	11.072	11.072	(0.884)	796388	40.0000	48
72	Pyrene	202	11.165	11.165	(0.891)	3159087	40.0000	35
$ 73	Terphenyl-d14	244	11.339	11.339	(0.905)	2190977	40.0000	37
74	Butylbenzylphthalate	149	11.867	11.867	(0.947)	1533157	40.0000	38
124	3,3'-Dimethylbenzidine	212	11.843	11.843	(0.945)	538850	40.0000	34
75	3,3'-Dichlorobenzidine	252	12.492	12.492	(0.997)	837952	40.0000	40
76	Benzo(a)anthracene	228	12.514	12.514	(0.999)	2832953	40.0000	38
77	Chrysene	228	12.567	12.567	(1.003)	2681974	40.0000	37
78	Bis(2-Ethylhexyl)phthalate	149	12.567	12.567	(1.003)	1848420	40.0000	40
* 79	Perylene-d12	264	14.708	14.708	(1.000)	859751	20.0000	
80	Di-n-octylphthalate	149	13.487	13.487	(0.917)	2438360	40.0000	43
81	Benzo(b)fluoranthene	252	14.074	14.074	(0.957)	2176882	40.0000	40
82	Benzo(k)fluoranthene	252	14.124	14.124	(0.960)	2340284	40.0000	42
83	Benzo(a)pyrene	252	14.615	14.615	(0.994)	1719077	40.0000	41
84	Indeno(1,2,3-cd)pyrene	276	16.710	16.710	(1.136)	732922	40.0000	32
85	Dibenzo(a,h)anthracene	278	16.763	16.763	(1.140)	724248	40.0000	34
86	Benzo(g,h,i)perylene	276	17.238	17.238	(1.172)	635819	40.0000	28
167	Simazine	201	9.362	9.362	(0.971)	338999	40.0000	41
103	1,2,4,5-Tetrachlorobenzene	216	7.156	7.156	(0.886)	350571	40.0000	41
109	2,3,4,6-Tetrachlorophenol	232	8.436	8.436	(1.045)	424729	40.0000	43
119	Pentachloronitrobenzene	237	9.474	9.474	(0.982)	231238	40.0000	39

QC Flag Legend

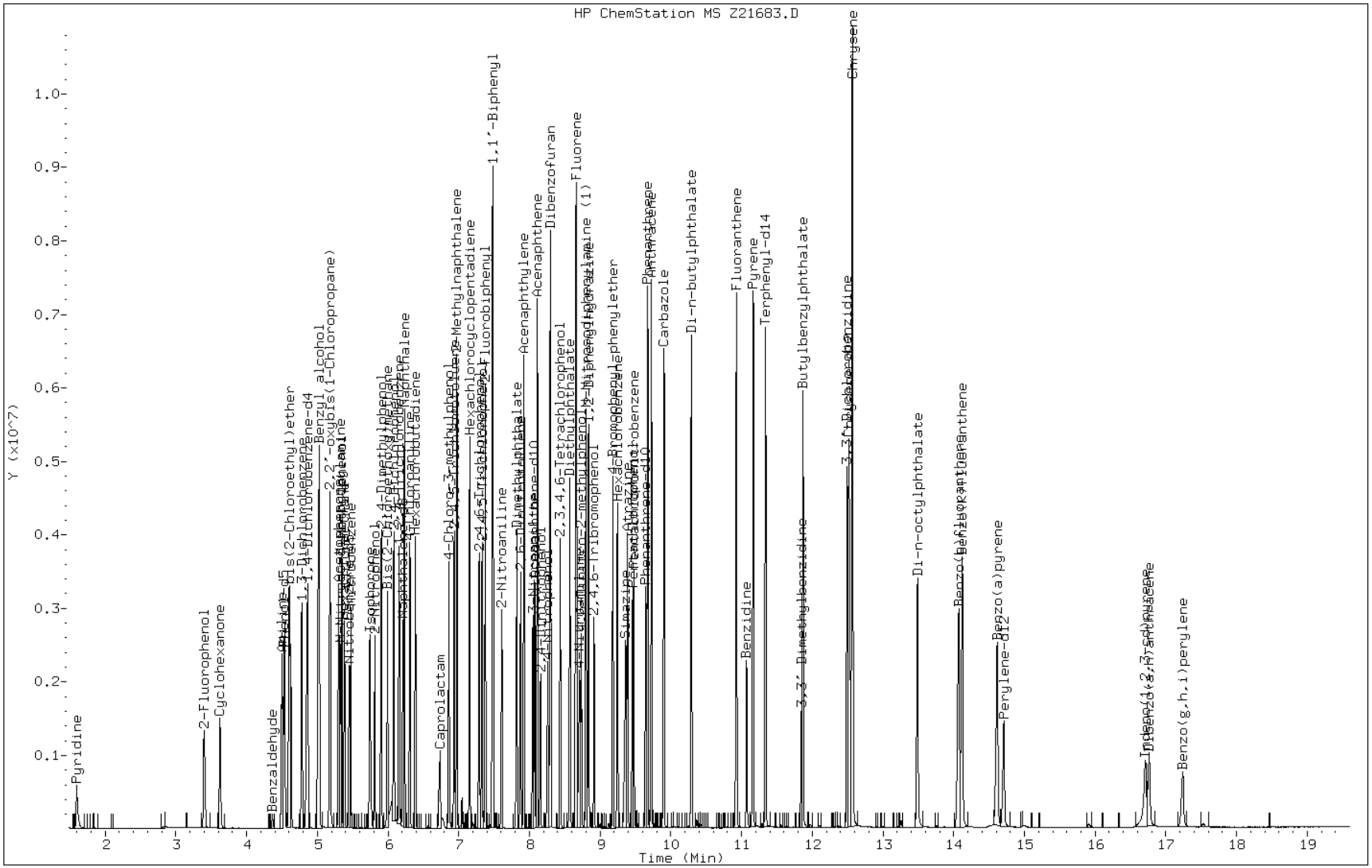
M - Compound response manually integrated.

Data File: Z21683.D

Date: 18-JUL-2011 07:40

Client ID: CCVIS-641574 Instrument: msz.i

Sample Info: CCVIS-641574 Operator: S.Jonas



Manual Integration Report

Data File: Z21683.D
Inj. Date and Time: 18-JUL-2011 07:40
Instrument ID: msz.i
Client ID: CCVIS-641574
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 07/18/2011

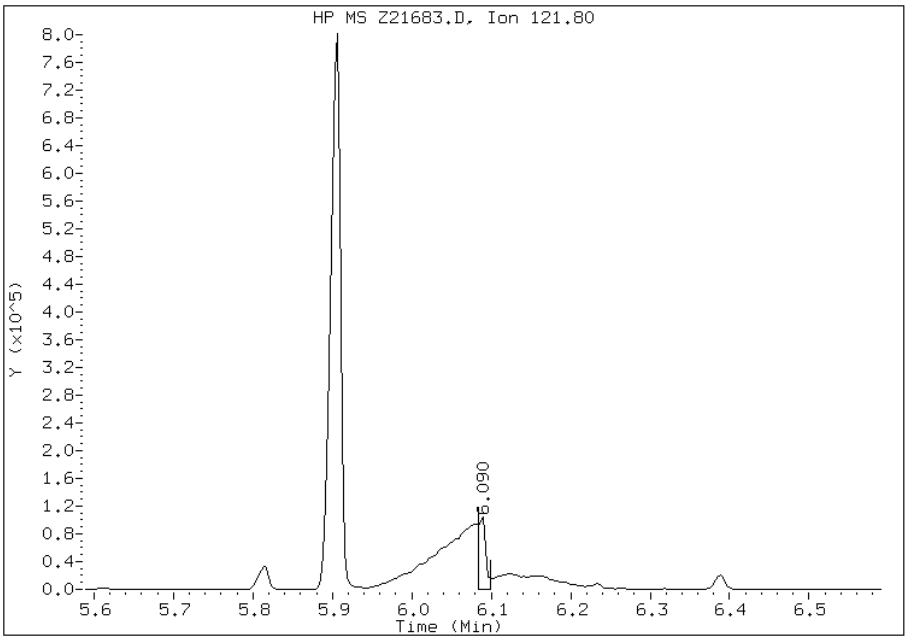
Processing Integration Results

RT: 6.09

Response: 71541

Amount: 6

Conc: 6



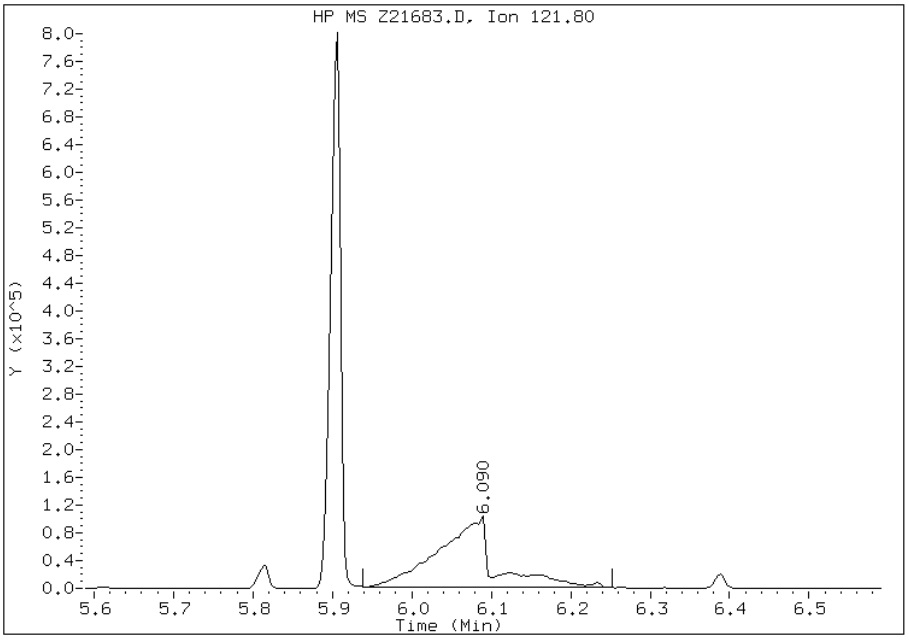
Manual Integration Results

RT: 6.09

Response: 503401

Amount: 43

Conc: 43



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

Manual Integration Report

Data File: Z21683.D
Inj. Date and Time: 18-JUL-2011 07:40
Instrument ID: msz.i
Client ID: CCVIS-641574
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 07/18/2011

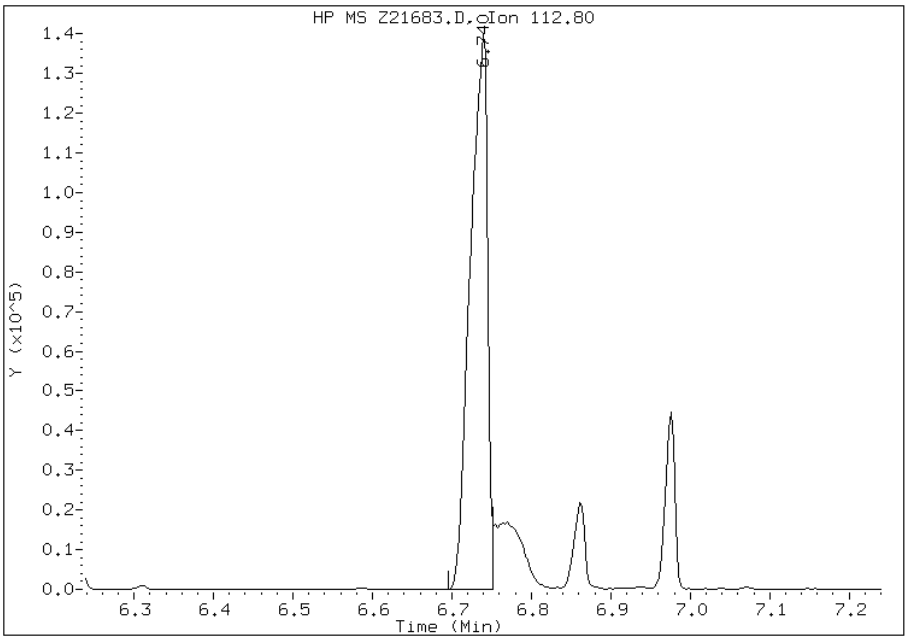
Processing Integration Results

RT: 6.74

Response: 217545

Amount: 35

Conc: 35



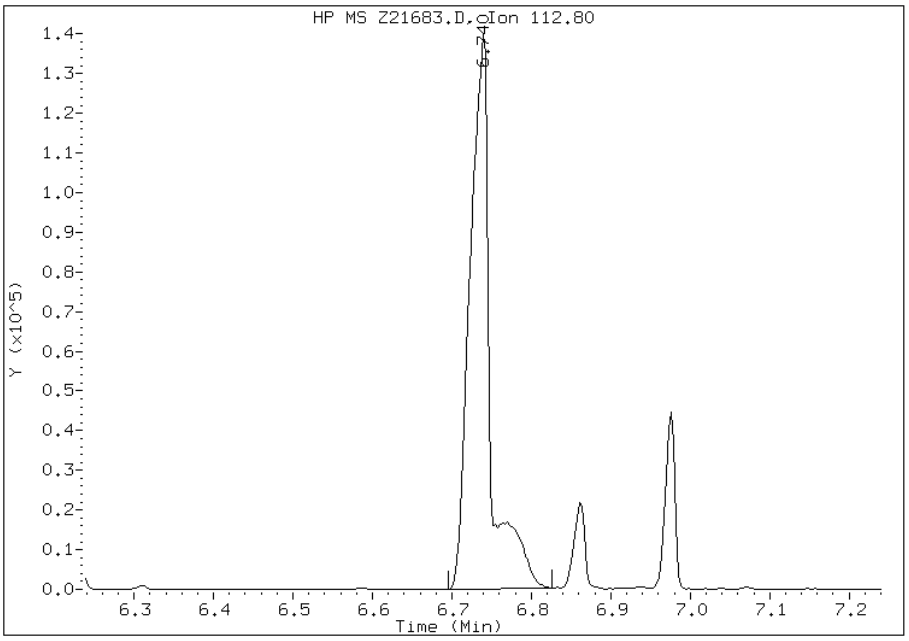
Manual Integration Results

RT: 6.74

Response: 256576

Amount: 41

Conc: 41



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

TestAmerica Inc

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124248.b\Cs24248.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 14-JUL-2011 11:14
Operator : S.Jonas Inst ID: msc.i
Smp Info : DFTPP
Misc Info :
Comment   :
Method   : \\Consvr05\Files\Chem\BNA\msc.i\C1124248.b\mscdftppSW.m
Meth Date : 18-Aug-2010 11:46 stephan Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONMSA

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

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

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp							CAS #: 5074-71-5	
4.528	4.575	-0.047	198	290048			0.00- 100.00	100.00
4.528	9.361	-4.833	51	130616			30.00- 60.00	45.03
4.528	9.361	-4.833	68	1035			0.00- 2.00	0.82
4.528	9.361	-4.833	69	125752			0.00- 100.00	43.36
4.528	9.361	-4.833	70	565			0.00- 2.00	0.45
4.528	9.361	-4.833	127	136320			40.00- 60.00	47.00
4.528	9.361	-4.833	197	936			0.00- 1.00	0.32
4.528	9.361	-4.833	199	18576			5.00- 9.00	6.40
4.528	9.361	-4.833	275	66560			10.00- 30.00	22.95
4.528	9.361	-4.833	365	7047			1.00- 100.00	2.43
4.528	9.361	-4.833	441	32704			0.01- 99.99	80.47
4.528	9.361	-4.833	442	215296			40.00- 100.00	74.23
4.528	9.361	-4.833	443	40640			17.00- 23.00	18.88

Data File: Cs24248.D

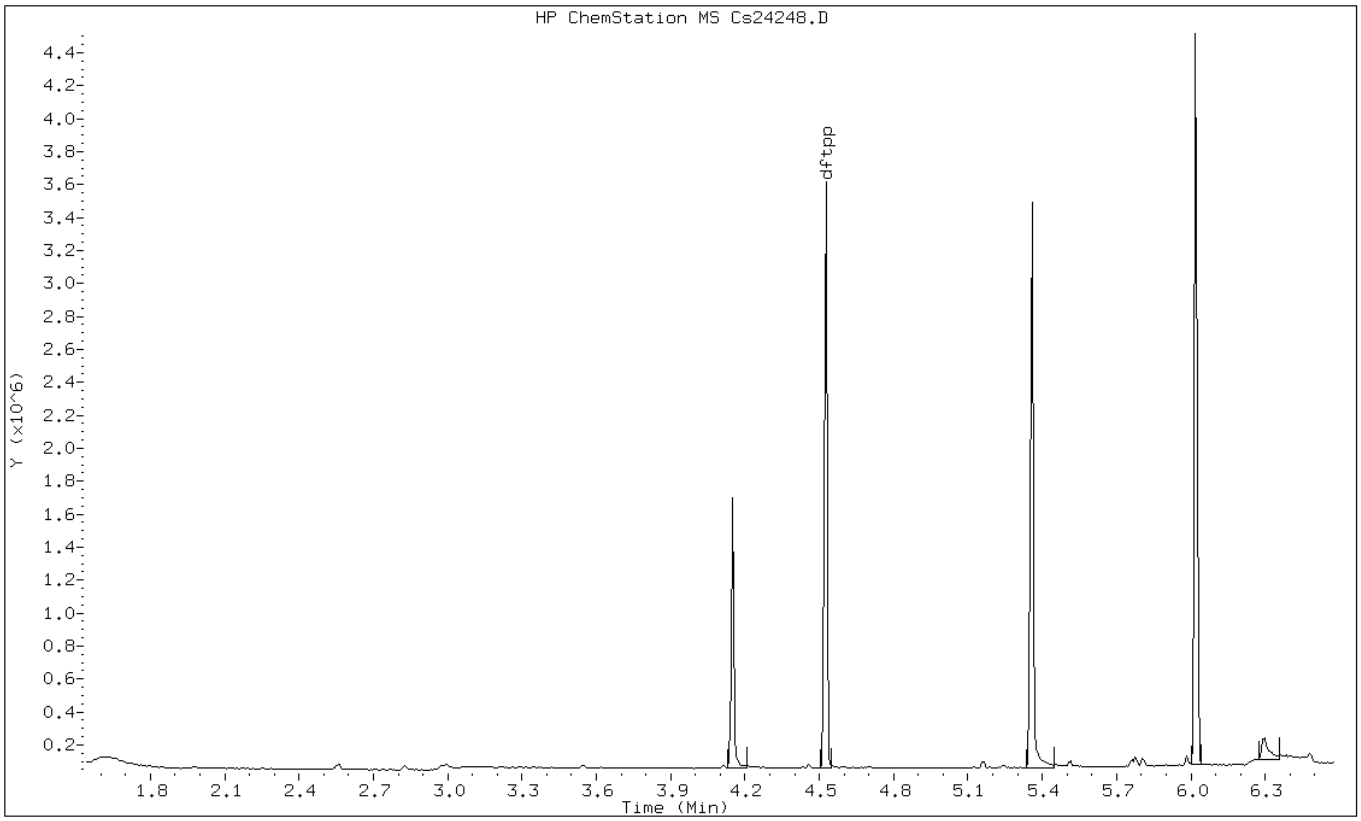
Date: 14-JUL-2011 11:14

Client ID: DFTPP

Instrument: msc.i

Sample Info: DFTPP

Operator: S.Jonas



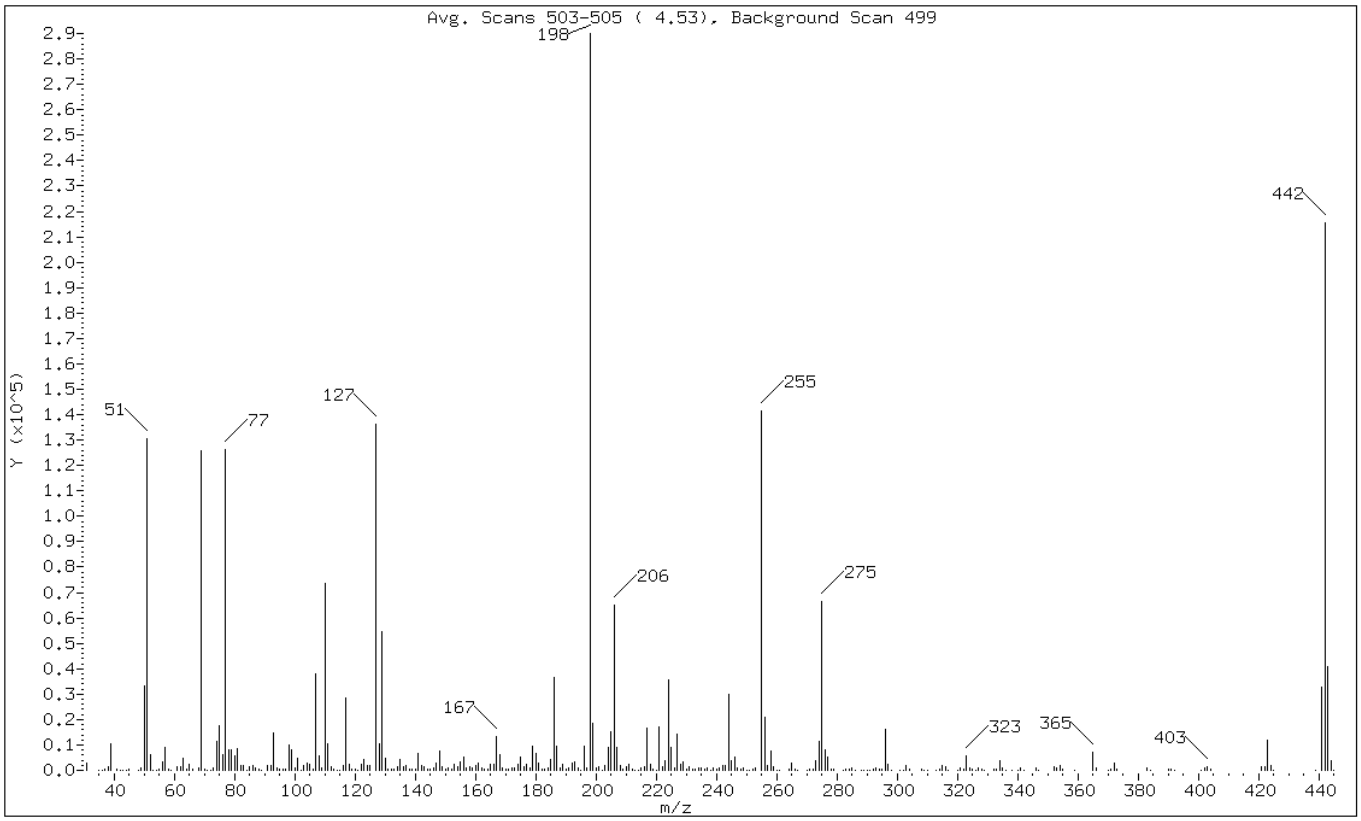
Data File: Cs24248.D

Date: 14-JUL-2011 11:14

Client ID: DFTPP Instrument: msc.i

Sample Info: DFTPP Operator: S.Jonas

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	45.03
68	Less than 2.00% of mass 69	0.36 (0.82)
69	Less than 100.00% of mass 198	43.36
70	Less than 2.00% of mass 69	0.19 (0.45)
127	40.00 - 60.00% of mass 198	47.00
197	Less than 1.00% of mass 198	0.32
199	5.00 - 9.00% of mass 198	6.40
275	10.00 - 30.00% of mass 198	22.95
365	1.00 - 100.00% of mass 198	2.43
441	Present, but less than mass 443	11.28
442	40.00 - 100.00% of mass 198	74.23
443	17.00 - 23.00% of mass 442	14.01 (18.88)

Data File: Cs24248.D

Date: 14-JUL-2011 11:14

Client ID: DFTPP Instrument: msc.i

Sample Info: DFTPP Operator: S.Jonas

Data File: \\Consvr05\Files\Chem\BNA\msc.i\C1124248.b\Cs24248.D
Spectrum: Avg. Scans 503-505 (4.53), Background Scan 499
Location of Maximum: 198.00
Number of points: 314

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	2874	119.00	323	199.00	18576	285.00	794
35.00	7	120.00	592	200.00	1162	286.00	56
36.00	30	121.00	207	201.00	1577	288.00	84
37.00	348	122.00	2306	202.00	96	289.00	192
38.00	1609	123.00	4081	203.00	2110	290.00	139
39.00	10499	124.00	2110	204.00	9181	291.00	73
41.00	412	125.00	1699	205.00	15020	292.00	365
42.00	227	127.00	136320	206.00	64976	293.00	963
43.00	169	128.00	10325	207.00	8852	294.00	267
44.00	71	129.00	54816	208.00	1949	295.00	574
45.00	594	130.00	4624	209.00	637	296.00	16357
48.00	167	131.00	670	210.00	1189	297.00	2278
49.00	930	132.00	712	211.00	2569	298.00	223
50.00	33208	133.00	279	212.00	496	301.00	143
51.00	130616	134.00	1477	213.00	197	302.00	206
52.00	6357	135.00	4104	214.00	129	303.00	1959
53.00	152	136.00	1478	215.00	815	304.00	636
54.00	72	137.00	2009	216.00	1446	308.00	289
55.00	620	138.00	560	217.00	16416	309.00	67
56.00	3344	139.00	278	218.00	2159	310.00	231
57.00	8950	140.00	699	219.00	257	313.00	76
58.00	397	141.00	6526	220.00	76	314.00	580
59.00	175	142.00	2103	221.00	17016	315.00	1951
61.00	1415	143.00	1396	222.00	1382	316.00	1200
62.00	1645	144.00	324	223.00	4032	317.00	142
63.00	4947	145.00	394	224.00	35808	320.00	61
64.00	659	146.00	996	225.00	9022	321.00	977
65.00	2313	147.00	2836	226.00	773	322.00	407
66.00	346	148.00	7621	227.00	14156	323.00	5866
68.00	1035	149.00	1654	228.00	2205	324.00	1157
69.00	125752	150.00	506	229.00	3238	325.00	285
70.00	565	151.00	852	230.00	469	326.00	230
71.00	168	152.00	607	231.00	1393	327.00	1170
72.00	53	153.00	2160	232.00	327	328.00	352
73.00	841	154.00	1428	233.00	384	329.00	174
74.00	11395	155.00	3486	234.00	994	332.00	425
75.00	17496	156.00	5031	235.00	895	333.00	442
76.00	6148	157.00	1116	236.00	605	334.00	3887
77.00	126096	158.00	1317	237.00	1066	335.00	986
78.00	8178	159.00	923	238.00	237	336.00	171

79.00	7854	160.00	1961	239.00	760	338.00	120
80.00	5659	161.00	3013	240.00	385	340.00	76
81.00	8369	162.00	890	241.00	841	341.00	753
82.00	1944	163.00	456	242.00	2009	342.00	163
83.00	2028	164.00	257	243.00	1981	346.00	1059
84.00	45	165.00	2321	244.00	29776	347.00	71
85.00	1378	166.00	2232	245.00	3757	352.00	1621
86.00	2016	167.00	13319	246.00	5399	353.00	1066
87.00	1004	168.00	6289	247.00	1101	354.00	1786
88.00	426	169.00	1176	248.00	284	355.00	264
89.00	190	170.00	346	249.00	968	359.00	87
91.00	1804	171.00	712	250.00	163	365.00	7047
92.00	2057	172.00	997	251.00	209	366.00	1115
93.00	14853	173.00	1129	252.00	435	370.00	189
94.00	930	174.00	2594	253.00	730	371.00	449
95.00	439	175.00	5000	255.00	141248	372.00	2718
96.00	491	176.00	1603	256.00	20720	373.00	604
97.00	541	177.00	2361	257.00	1783	383.00	847
98.00	10018	178.00	903	258.00	7655	384.00	86
99.00	8232	179.00	9383	259.00	1187	390.00	465
100.00	866	180.00	6750	260.00	234	391.00	318
101.00	4884	181.00	3044	261.00	161	392.00	204
102.00	188	182.00	524	264.00	346	401.00	167
103.00	1667	183.00	295	265.00	3025	402.00	1064
104.00	2757	184.00	917	266.00	419	403.00	1506
105.00	2556	185.00	4491	267.00	116	404.00	589
106.00	640	186.00	36568	270.00	182	421.00	1474
107.00	37744	187.00	9413	271.00	307	422.00	1357
108.00	5810	188.00	909	272.00	283	423.00	11674
109.00	1085	189.00	2265	273.00	3912	424.00	2012
110.00	73592	190.00	398	274.00	11313	425.00	104
111.00	10365	191.00	1049	275.00	66560	439.00	61
112.00	1261	192.00	2697	276.00	8207	441.00	32704
113.00	636	193.00	3239	277.00	5275	442.00	215296
114.00	81	194.00	775	278.00	712	443.00	40640
115.00	104	195.00	119	279.00	265	444.00	3783
116.00	2023	196.00	9527	282.00	106	445.00	199
117.00	28256	197.00	936	283.00	528		
118.00	2263	198.00	290048	284.00	297		

TestAmerica Inc

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124300.b\Cs24300.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 18-JUL-2011 11:18
Operator : S.Jonas Inst ID: msc.i
Smp Info : DFTPP
Misc Info :
Comment   :
Method   : \\Consvr05\Files\Chem\BNA\msc.i\C1124300.b\mscdftppSW.m
Meth Date : 18-Aug-2010 11:46 stephan Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONMSA

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

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

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
4.498	4.575	-0.077	198	250048			0.00- 100.00	100.00
4.498	9.361	-4.863	51	121560			30.00- 60.00	48.61
4.498	9.361	-4.863	68	970			0.00- 2.00	0.83
4.498	9.361	-4.863	69	116360			0.00- 100.00	46.54
4.498	9.361	-4.863	70	851			0.00- 2.00	0.73
4.498	9.361	-4.863	127	122024			40.00- 60.00	48.80
4.498	9.361	-4.863	197	396			0.00- 1.00	0.16
4.498	9.361	-4.863	199	15854			5.00- 9.00	6.34
4.498	9.361	-4.863	275	56320			10.00- 30.00	22.52
4.498	9.361	-4.863	365	5703			1.00- 100.00	2.28
4.498	9.361	-4.863	441	27528			0.01- 99.99	78.44
4.498	9.361	-4.863	442	183936			40.00- 100.00	73.56
4.498	9.361	-4.863	443	35096			17.00- 23.00	19.08

Data File: Cs24300.D

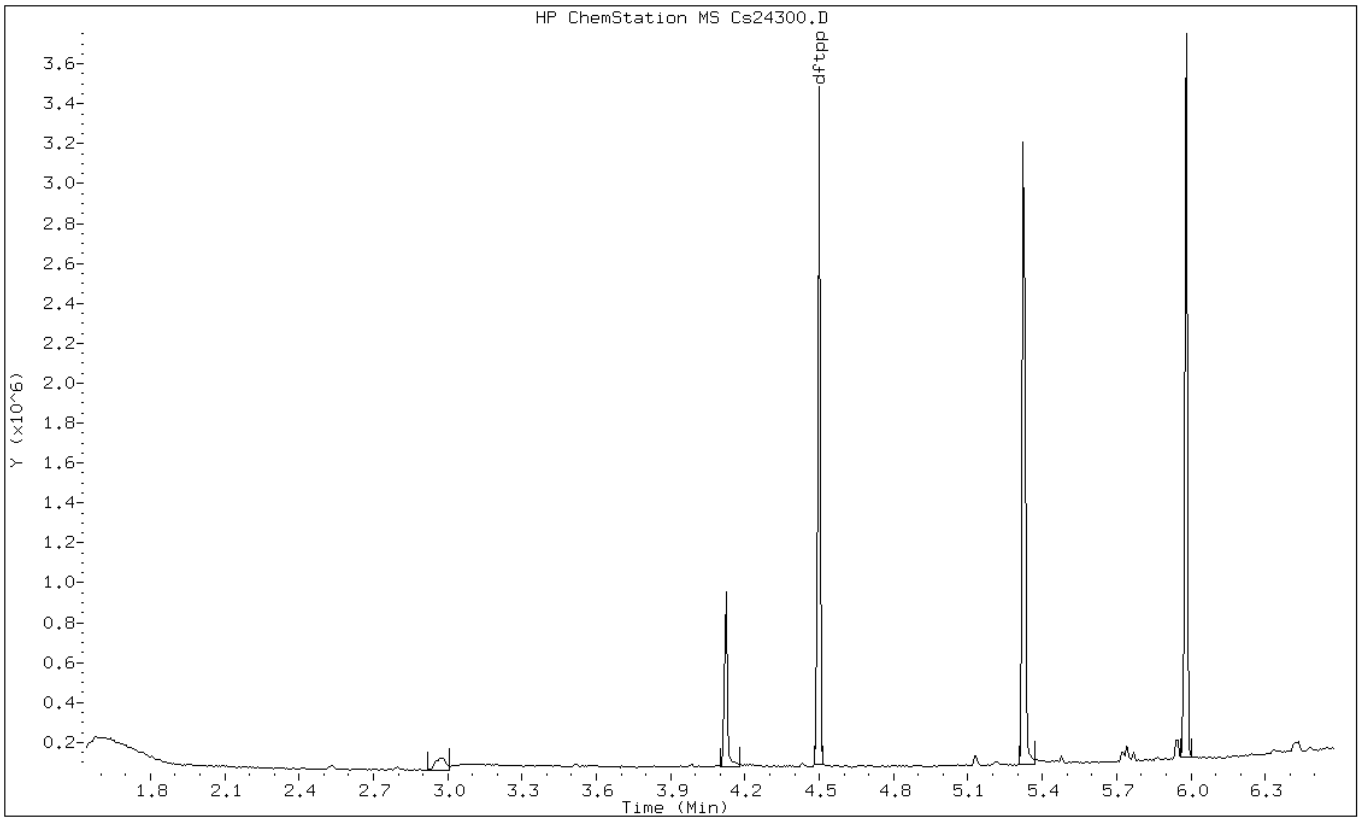
Date: 18-JUL-2011 11:18

Client ID: DFTPP

Instrument: msc.i

Sample Info: DFTPP

Operator: S.Jonas



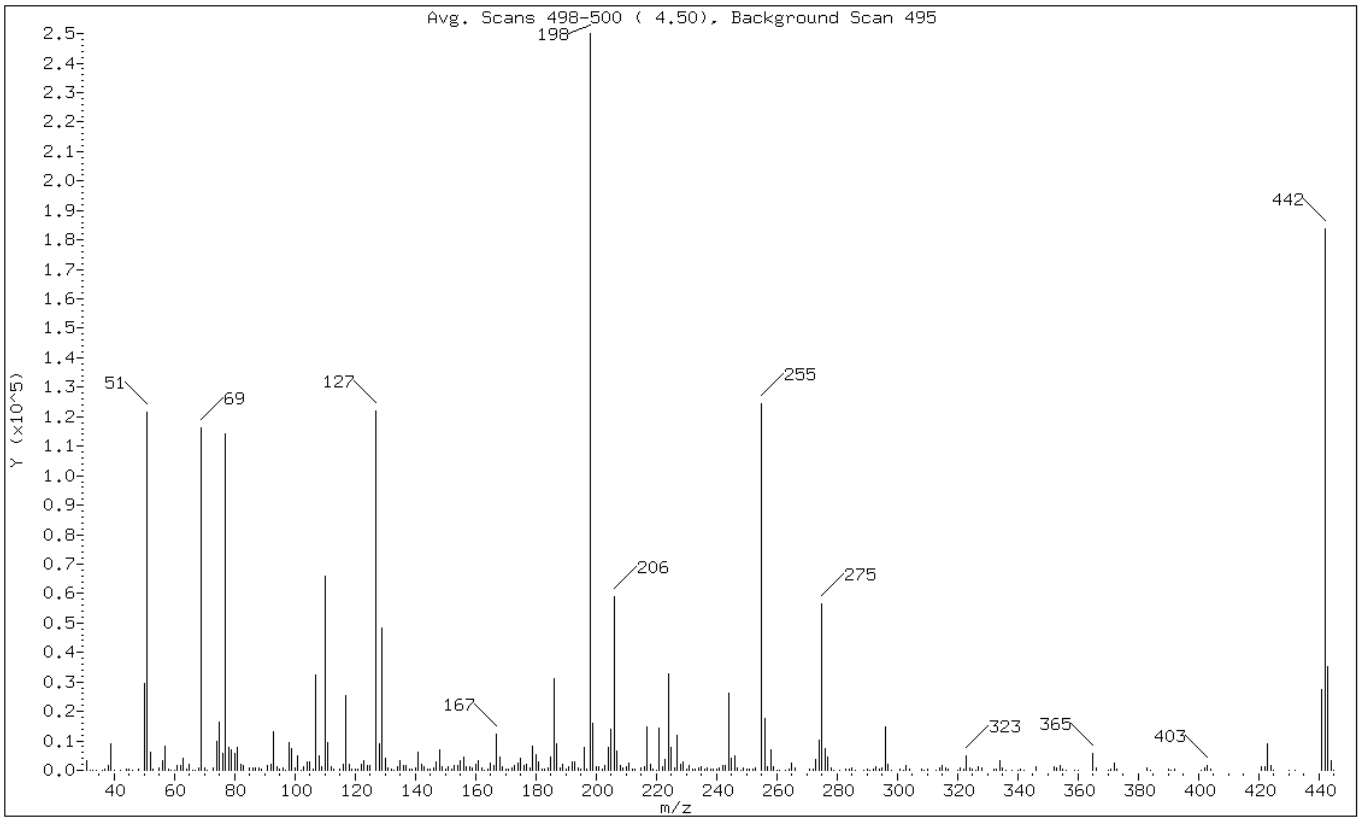
Data File: Cs24300.D

Date: 18-JUL-2011 11:18

Client ID: DFTPP Instrument: msc.i

Sample Info: DFTPP Operator: S.Jonas

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	48.61
68	Less than 2.00% of mass 69	0.39 (0.83)
69	Less than 100.00% of mass 198	46.54
70	Less than 2.00% of mass 69	0.34 (0.73)
127	40.00 - 60.00% of mass 198	48.80
197	Less than 1.00% of mass 198	0.16
199	5.00 - 9.00% of mass 198	6.34
275	10.00 - 30.00% of mass 198	22.52
365	1.00 - 100.00% of mass 198	2.28
441	Present, but less than mass 443	11.01
442	40.00 - 100.00% of mass 198	73.56
443	17.00 - 23.00% of mass 442	14.04 (19.08)

Data File: Cs24300.D

Date: 18-JUL-2011 11:18

Client ID: DFTPP Instrument: msc.i

Sample Info: DFTPP Operator: S.Jonas

Data File: \\Consvr05\Files\Chem\BNA\msc.i\C1124300.b\Cs24300.D
Spectrum: Avg. Scans 498-500 (4.50), Background Scan 495
Location of Maximum: 198.00
Number of points: 311

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	3279	119.00	309	198.00	250048	285.00	772
32.00	168	120.00	487	199.00	15854	286.00	67
33.00	139	121.00	250	200.00	1420	289.00	131
34.00	25	122.00	2107	201.00	1087	290.00	275
36.00	41	123.00	3466	202.00	229	291.00	53
37.00	545	124.00	1588	203.00	1552	292.00	219
38.00	1815	125.00	1508	204.00	7679	293.00	1173
39.00	9073	127.00	122024	205.00	14056	294.00	372
40.00	118	128.00	8954	206.00	58856	295.00	629
42.00	45	129.00	48408	207.00	6587	296.00	14644
44.00	508	130.00	4154	208.00	1804	297.00	2201
45.00	594	131.00	795	209.00	648	298.00	199
46.00	59	132.00	454	210.00	1309	301.00	249
48.00	353	133.00	194	211.00	2372	302.00	131
50.00	29352	134.00	1221	212.00	219	303.00	1762
51.00	121560	135.00	3379	213.00	219	304.00	454
52.00	6039	136.00	1532	215.00	804	308.00	225
53.00	357	137.00	1758	216.00	1389	309.00	159
55.00	819	138.00	415	217.00	14741	310.00	211
56.00	3447	139.00	352	218.00	1878	313.00	159
57.00	8192	140.00	748	219.00	223	314.00	779
58.00	445	141.00	5968	220.00	96	315.00	1589
59.00	193	142.00	1985	221.00	14404	316.00	751
60.00	81	143.00	1354	222.00	1209	317.00	205
61.00	1468	144.00	382	223.00	3517	320.00	130
62.00	1616	145.00	325	224.00	32584	321.00	862
63.00	4046	146.00	946	225.00	7853	322.00	313
64.00	450	147.00	2838	226.00	924	323.00	4862
65.00	2242	148.00	6957	227.00	12025	324.00	1009
66.00	156	149.00	1343	228.00	1878	325.00	596
67.00	105	150.00	557	229.00	2777	326.00	154
68.00	970	151.00	1070	230.00	506	327.00	1142
69.00	116360	152.00	508	231.00	1435	328.00	703
70.00	851	153.00	1667	232.00	261	332.00	297
71.00	65	154.00	1496	233.00	418	333.00	410
73.00	951	155.00	3140	234.00	903	334.00	3307
74.00	9709	156.00	4694	235.00	1055	335.00	665
75.00	16232	157.00	1029	236.00	568	336.00	149
76.00	5576	158.00	1136	237.00	914	338.00	86
77.00	114080	159.00	915	238.00	217	340.00	124

78.00	7620	160.00	2175	239.00	561	341.00	445
79.00	6869	161.00	3151	240.00	481	342.00	138
80.00	5694	162.00	783	241.00	768	346.00	1053
81.00	7904	163.00	155	242.00	1637	352.00	1237
82.00	1939	164.00	462	243.00	1669	353.00	870
83.00	1622	165.00	2290	244.00	26176	354.00	1633
85.00	1013	166.00	1780	245.00	3890	355.00	288
86.00	952	167.00	12238	246.00	4793	356.00	50
87.00	876	168.00	4445	247.00	1015	359.00	52
88.00	707	169.00	1052	248.00	193	360.00	57
89.00	212	170.00	409	249.00	792	365.00	5703
91.00	1644	171.00	589	250.00	256	366.00	840
92.00	2027	172.00	967	251.00	415	370.00	65
93.00	12994	173.00	1461	252.00	338	371.00	405
94.00	1114	174.00	2492	253.00	731	372.00	2576
95.00	351	175.00	4133	255.00	124352	373.00	587
96.00	650	176.00	1523	256.00	17784	383.00	917
97.00	53	177.00	2035	257.00	1304	384.00	204
98.00	9363	178.00	718	258.00	7057	390.00	551
99.00	7294	179.00	8116	259.00	1112	391.00	189
100.00	742	180.00	5506	260.00	185	392.00	245
101.00	4764	181.00	2696	261.00	179	401.00	62
102.00	145	182.00	393	263.00	60	402.00	935
103.00	1286	183.00	313	264.00	348	403.00	1546
104.00	2779	184.00	699	265.00	2604	404.00	439
105.00	2794	185.00	4486	266.00	625	421.00	1254
106.00	411	186.00	31176	271.00	309	422.00	1047
107.00	32368	187.00	9089	272.00	320	423.00	9080
108.00	5091	188.00	786	273.00	3547	424.00	1775
109.00	1027	189.00	1947	274.00	10067	425.00	177
110.00	65928	190.00	328	275.00	56320	430.00	61
111.00	9563	191.00	1317	276.00	7388	432.00	50
112.00	1125	192.00	2969	277.00	4436	441.00	27528
113.00	495	193.00	2944	278.00	808	442.00	183936
115.00	330	194.00	770	279.00	156	443.00	35096
116.00	2036	195.00	551	281.00	119	444.00	3127
117.00	25504	196.00	7694	283.00	590	445.00	144
118.00	1898	197.00	396	284.00	308		

TestAmerica Inc

Data file : \\consvr05\files\Chem\BNA\msc.i\C1124329.b\Cs24329.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 19-JUL-2011 10:45
Operator : S.Jonas Inst ID: msc.i
Smp Info : DFTPP
Misc Info :
Comment   :
Method   : \\consvr05\files\Chem\BNA\msc.i\C1124329.b\mscdftppSW.m
Meth Date : 18-Aug-2010 11:46 stephan Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONMSC

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

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

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp							CAS #: 5074-71-5	
4.486	4.575	-0.089	198	303424			0.00- 100.00	100.00
4.486	9.361	-4.875	51	150912			30.00- 60.00	49.74
4.486	9.361	-4.875	68	2342			0.00- 2.00	1.66
4.486	9.361	-4.875	69	141248			0.00- 100.00	46.55
4.486	9.361	-4.875	70	662			0.00- 2.00	0.47
4.486	9.361	-4.875	127	152000			40.00- 60.00	50.09
4.486	9.361	-4.875	197	0	0.0	0.0	0.00- 1.00	0.00
4.486	9.361	-4.875	199	20328			5.00- 9.00	6.70
4.486	9.361	-4.875	275	65944			10.00- 30.00	21.73
4.486	9.361	-4.875	365	7211			1.00- 100.00	2.38
4.486	9.361	-4.875	441	31312			0.01- 99.99	76.99
4.486	9.361	-4.875	442	211136			40.00- 100.00	69.58
4.486	9.361	-4.875	443	40672			17.00- 23.00	19.26

Data File: Cs24329.D

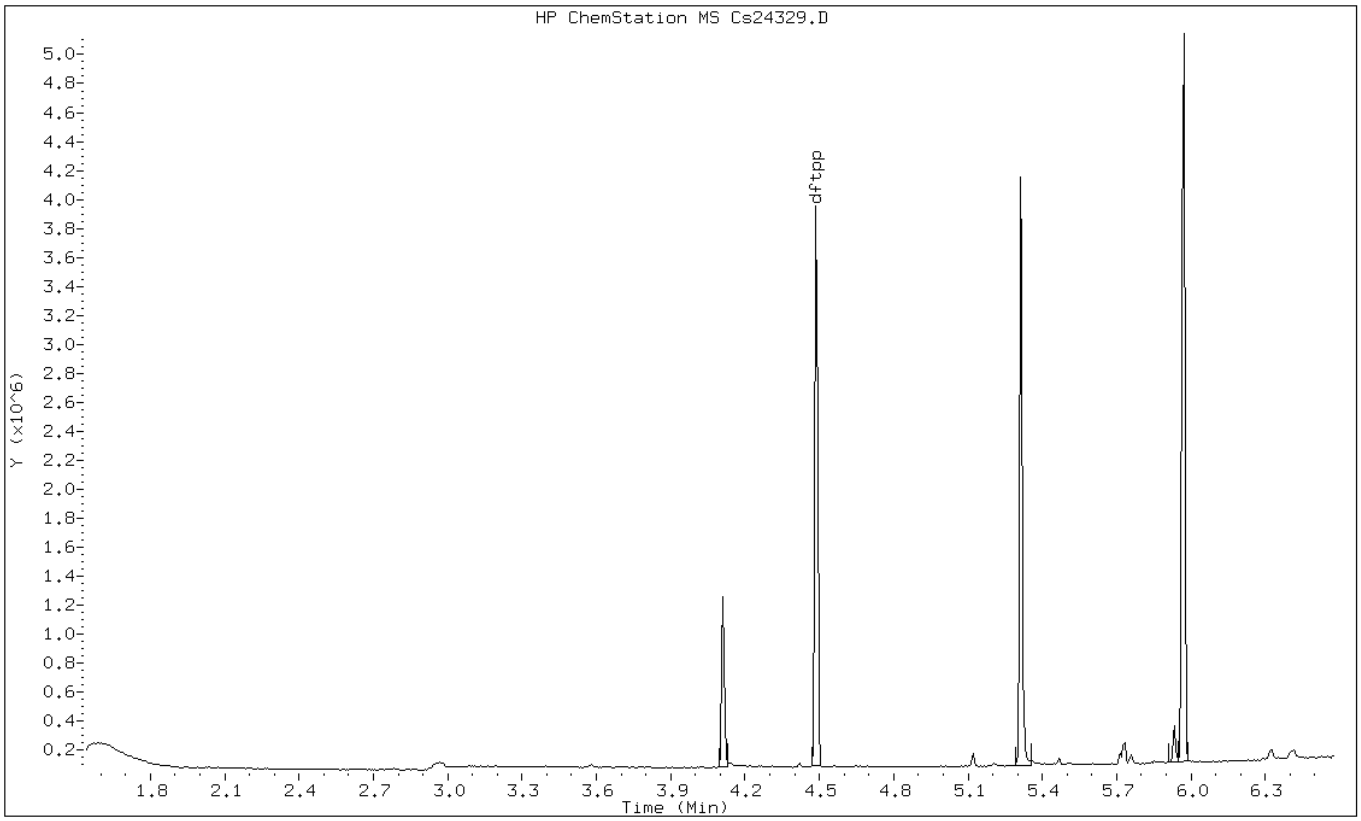
Date: 19-JUL-2011 10:45

Client ID: DFTPP

Instrument: msc.i

Sample Info: DFTPP

Operator: S.Jonas



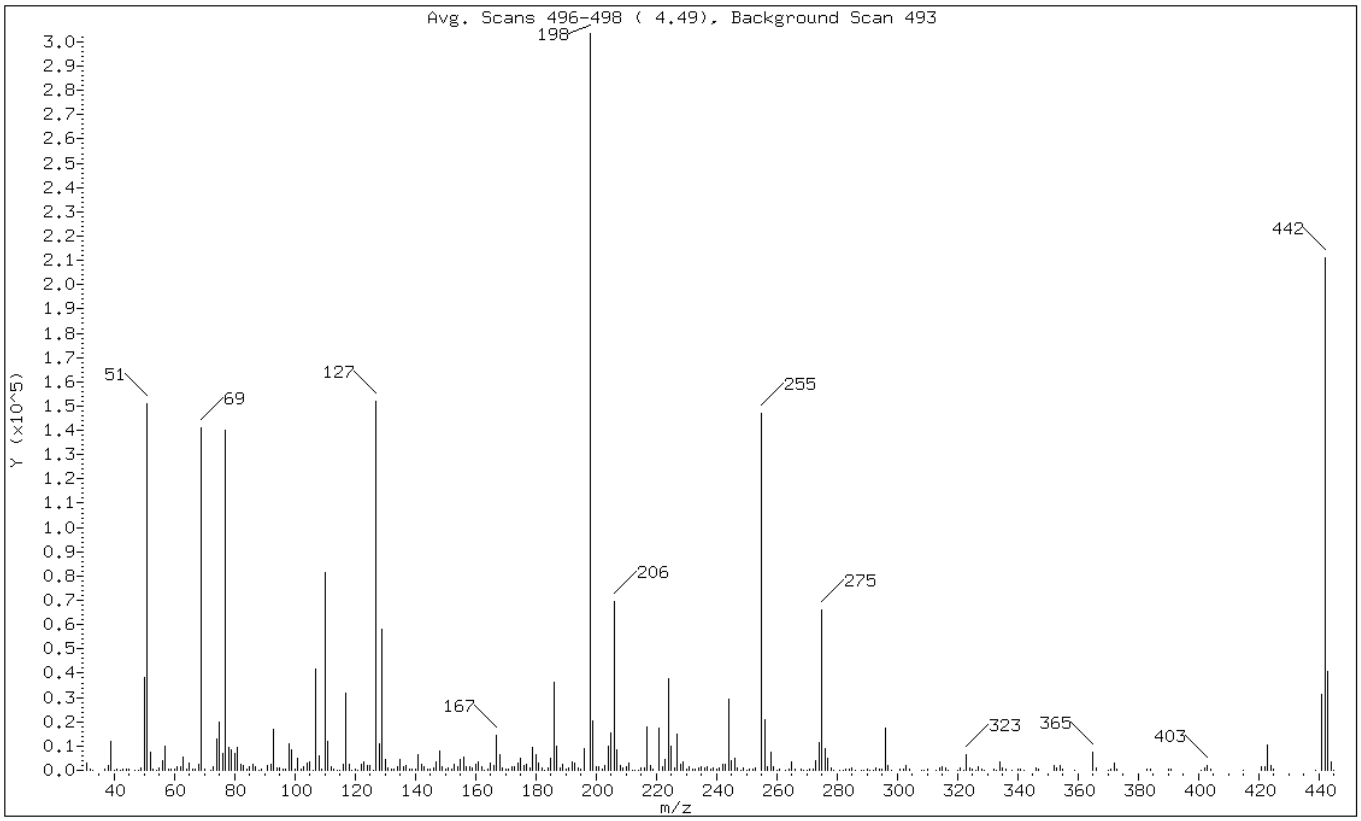
Data File: Cs24329.D

Date: 19-JUL-2011 10:45

Client ID: DFTPP Instrument: msc.i

Sample Info: DFTPP Operator: S.Jonas

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	49.74
68	Less than 2.00% of mass 69	0.77 (1.66)
69	Less than 100.00% of mass 198	46.55
70	Less than 2.00% of mass 69	0.22 (0.47)
127	40.00 - 60.00% of mass 198	50.09
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.70
275	10.00 - 30.00% of mass 198	21.73
365	1.00 - 100.00% of mass 198	2.38
441	Present, but less than mass 443	10.32
442	40.00 - 100.00% of mass 198	69.58
443	17.00 - 23.00% of mass 442	13.40 (19.26)

Data File: Cs24329.D

Date: 19-JUL-2011 10:45

Client ID: DFTPP Instrument: msc.i

Sample Info: DFTPP Operator: S.Jonas

Data File: \\Consvr05\Files\Chem\BNA\msc.i\C1124329.b\Cs24329.D
Spectrum: Avg. Scans 496-498 (4.49), Background Scan 493
Location of Maximum: 198.00
Number of points: 319

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	3004	117.00	31792	198.00	303424	283.00	714
32.00	352	118.00	2592	199.00	20328	284.00	478
33.00	52	119.00	176	200.00	1611	285.00	1000
37.00	727	120.00	540	201.00	1419	286.00	154
38.00	1953	121.00	189	202.00	297	288.00	142
39.00	11976	122.00	2713	203.00	2008	289.00	212
40.00	229	123.00	3689	204.00	9734	290.00	317
41.00	590	124.00	1918	205.00	15585	291.00	58
42.00	88	125.00	2119	206.00	69664	292.00	137
43.00	413	126.00	222	207.00	8579	293.00	1233
44.00	415	127.00	152000	208.00	2211	294.00	363
45.00	582	128.00	11148	209.00	853	295.00	286
47.00	31	129.00	58288	210.00	1719	296.00	17432
48.00	116	130.00	4553	211.00	2977	297.00	2141
49.00	780	131.00	1194	212.00	198	298.00	121
50.00	38152	132.00	667	213.00	174	301.00	256
51.00	150912	133.00	375	214.00	87	302.00	364
52.00	7392	134.00	1647	215.00	760	303.00	1968
53.00	305	135.00	4631	216.00	749	304.00	635
54.00	212	136.00	1624	217.00	17824	308.00	184
55.00	915	137.00	2097	218.00	2192	309.00	145
56.00	4082	138.00	696	219.00	382	310.00	252
57.00	9806	139.00	433	221.00	17432	313.00	67
58.00	639	140.00	639	222.00	1266	314.00	826
59.00	260	141.00	6697	223.00	4245	315.00	1507
60.00	279	142.00	2476	224.00	37896	316.00	1086
61.00	1713	143.00	1654	225.00	10084	317.00	131
62.00	1569	144.00	482	226.00	857	320.00	59
63.00	5363	145.00	461	227.00	14760	321.00	996
64.00	691	146.00	1208	228.00	2290	322.00	244
65.00	2800	147.00	3469	229.00	3428	323.00	6682
66.00	319	148.00	7871	230.00	423	324.00	964
67.00	619	149.00	1622	231.00	1429	325.00	704
68.00	2342	150.00	589	232.00	346	326.00	187
69.00	141248	151.00	848	233.00	322	327.00	1456
70.00	662	152.00	583	234.00	1064	328.00	570
72.00	133	153.00	2308	235.00	1319	329.00	51
73.00	1271	154.00	1732	236.00	766	332.00	470
74.00	12982	155.00	4254	237.00	1596	333.00	248
75.00	19976	156.00	5391	238.00	354	334.00	3431

76.00	7150	157.00	1370	239.00	758	335.00	849
77.00	139968	158.00	1356	240.00	483	336.00	294
78.00	9431	159.00	1067	241.00	991	338.00	150
79.00	8399	160.00	2472	242.00	2307	340.00	258
80.00	6844	161.00	3347	243.00	2443	341.00	626
81.00	9245	162.00	1385	244.00	29488	342.00	140
82.00	2711	163.00	119	245.00	3961	346.00	1042
83.00	2159	164.00	262	246.00	5212	347.00	251
84.00	435	165.00	2931	247.00	1098	352.00	1862
85.00	1714	166.00	2208	248.00	148	353.00	1143
86.00	2643	167.00	14158	249.00	1212	354.00	1827
87.00	1413	168.00	6211	250.00	230	355.00	300
88.00	201	169.00	1122	251.00	443	359.00	64
89.00	342	170.00	498	252.00	352	365.00	7211
91.00	1892	171.00	547	253.00	881	366.00	1004
92.00	2624	172.00	1399	255.00	147008	370.00	217
93.00	16912	173.00	1605	256.00	20840	371.00	351
94.00	1167	174.00	3014	257.00	1500	372.00	3102
95.00	793	175.00	4969	258.00	7687	373.00	729
96.00	649	176.00	2102	259.00	1280	383.00	490
97.00	453	177.00	2718	260.00	77	384.00	259
98.00	10802	178.00	1091	261.00	301	390.00	256
99.00	8530	179.00	9508	263.00	64	391.00	409
100.00	683	180.00	6322	264.00	394	401.00	189
101.00	5135	181.00	3153	265.00	3357	402.00	1192
102.00	350	182.00	751	266.00	661	403.00	1760
103.00	1511	183.00	43	268.00	250	404.00	616
104.00	3115	184.00	814	269.00	60	415.00	58
105.00	3381	185.00	4800	270.00	63	421.00	1465
106.00	201	186.00	36136	271.00	524	422.00	1371
107.00	41560	187.00	9860	272.00	555	423.00	10393
108.00	6137	188.00	795	273.00	4133	424.00	2010
109.00	642	189.00	2336	274.00	11487	425.00	284
110.00	81504	190.00	521	275.00	65944	439.00	161
111.00	12107	191.00	1197	276.00	8726	441.00	31312
112.00	1619	192.00	3440	277.00	5116	442.00	211136
113.00	567	193.00	3202	278.00	773	443.00	40672
114.00	220	194.00	811	279.00	160	444.00	3701
115.00	38	195.00	496	281.00	125	445.00	186
116.00	2317	196.00	8743	282.00	57		

TestAmerica Inc

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121497.b\Zs21497.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 23-JUN-2011 07:47
Operator : smith Inst ID: msz.i
Smp Info : DFTPP
Misc Info :
Comment   :
Method   : \\Consvr05\Files\Chem\BNA\msz.i\Z1121497.b\mszdftppSW.m
Meth Date : 11-May-2011 10:33 stephan Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONMSA

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

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

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp							CAS #: 5074-71-5	
4.510	4.179	0.331	198	125088			0.00- 100.00	100.00
4.510	4.179	0.331	51	52680			30.00- 60.00	42.11
4.510	4.179	0.331	68	163			0.00- 2.00	0.30
4.510	4.179	0.331	69	54848			0.00- 100.00	43.85
4.510	4.179	0.331	70	301			0.00- 2.00	0.55
4.510	4.179	0.331	127	69248			40.00- 60.00	55.36
4.510	4.179	0.331	197	355			0.00- 1.00	0.28
4.510	4.179	0.331	199	8263			5.00- 9.00	6.61
4.510	4.179	0.331	275	31992			10.00- 30.00	25.58
4.510	4.179	0.331	365	4446			1.00- 100.00	3.55
4.510	4.179	0.331	441	17432			0.01- 99.99	81.43
4.510	4.179	0.331	442	112984			40.00- 100.00	90.32
4.510	4.179	0.331	443	21408			17.00- 23.00	18.95

Data File: Zs21497.D

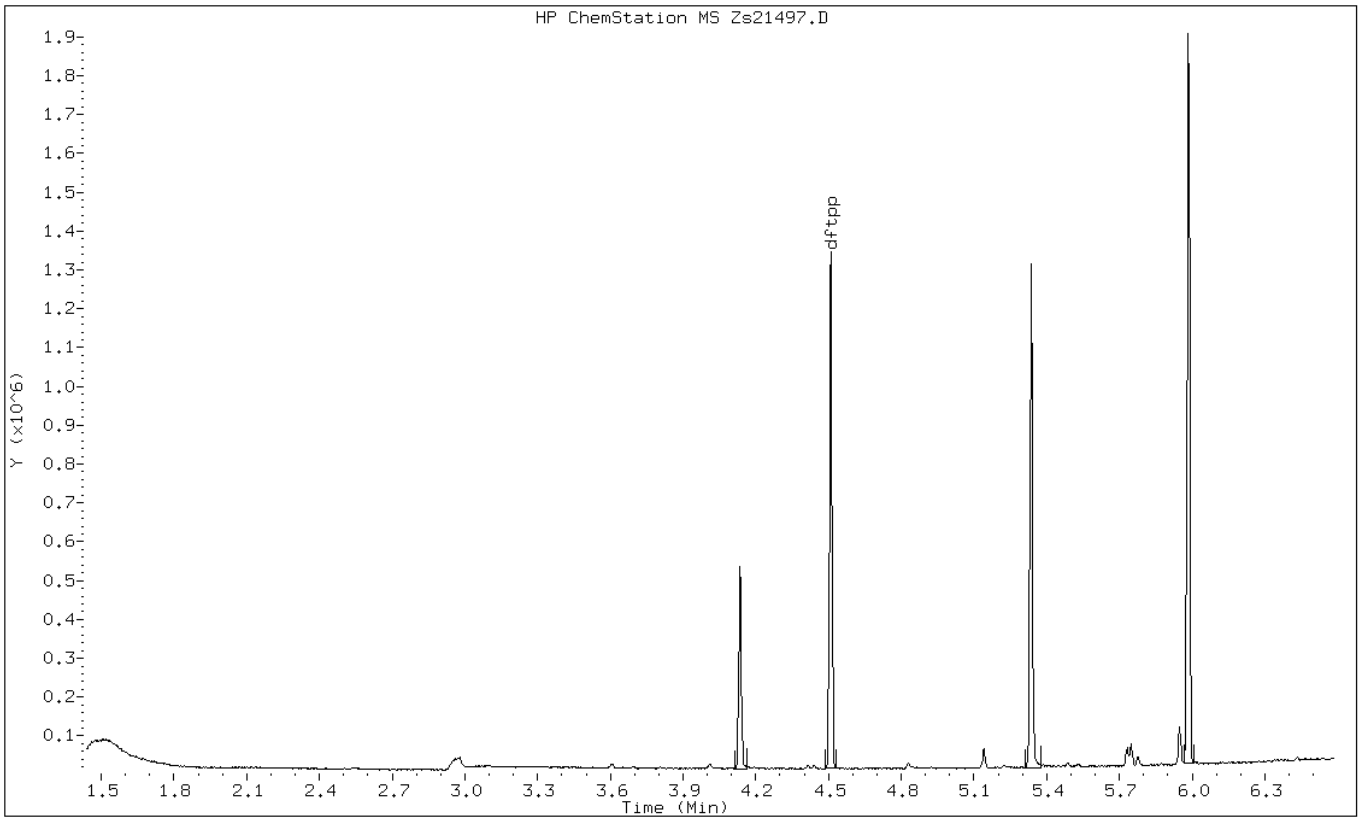
Date: 23-JUN-2011 07:47

Client ID: DFTPP

Instrument: msz.i

Sample Info: DFTPP

Operator: smith



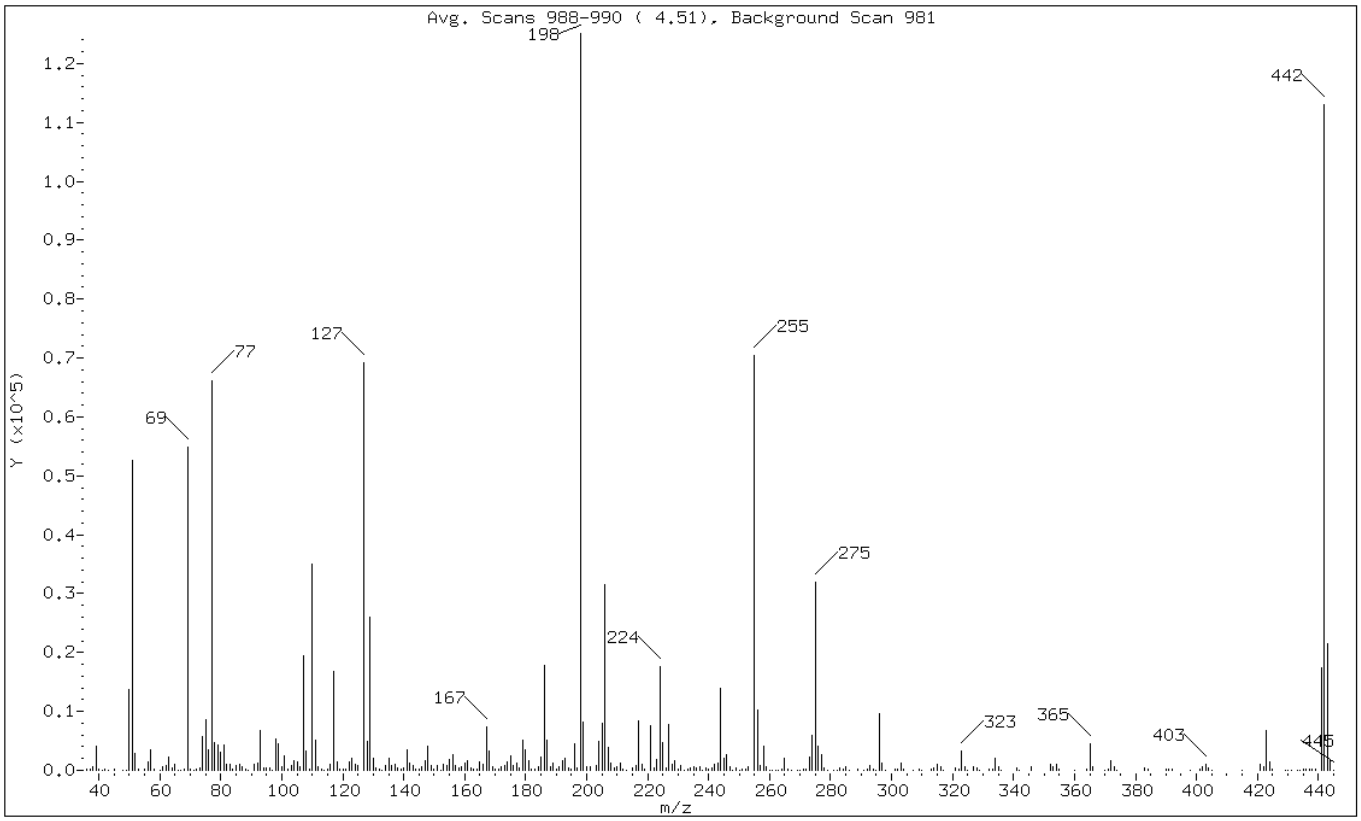
Data File: Zs21497.D

Date: 23-JUN-2011 07:47

Client ID: DFTPP Instrument: msz.i

Sample Info: DFTPP Operator: smith

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	42.11
68	Less than 2.00% of mass 69	0.13 (0.30)
69	Less than 100.00% of mass 198	43.85
70	Less than 2.00% of mass 69	0.24 (0.55)
127	40.00 - 60.00% of mass 198	55.36
197	Less than 1.00% of mass 198	0.28
199	5.00 - 9.00% of mass 198	6.61
275	10.00 - 30.00% of mass 198	25.58
365	1.00 - 100.00% of mass 198	3.55
441	Present, but less than mass 443	13.94
442	40.00 - 100.00% of mass 198	90.32
443	17.00 - 23.00% of mass 442	17.11 (18.95)

Data File: Zs21497.D

Date: 23-JUN-2011 07:47

Client ID: DFTPP Instrument: msz.i

Sample Info: DFTPP Operator: smith

Data File: \\Consvr05\Files\Chem\BNA\msz.i\Z1121497.b\Zs21497.D
Spectrum: Avg. Scans 988-990 (4.51), Background Scan 981
Location of Maximum: 198.00
Number of points: 320

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	218	123.00	1945	206.00	31496	295.00	56
37.00	189	124.00	968	207.00	3805	296.00	9590
38.00	606	125.00	843	208.00	1175	297.00	1223
39.00	4042	127.00	69248	209.00	327	298.00	74
40.00	153	128.00	4998	210.00	611	301.00	193
41.00	52	129.00	26088	211.00	1270	302.00	104
42.00	115	130.00	2107	212.00	139	303.00	1181
43.00	20	131.00	480	213.00	46	304.00	296
45.00	120	132.00	287	215.00	347	307.00	72
48.00	88	133.00	100	216.00	896	309.00	193
49.00	15	134.00	778	217.00	8319	310.00	48
50.00	13741	135.00	2062	218.00	1033	313.00	148
51.00	52680	136.00	821	219.00	130	314.00	427
52.00	2800	137.00	1030	221.00	7601	315.00	1097
53.00	155	138.00	362	222.00	488	316.00	602
55.00	280	139.00	201	223.00	1743	317.00	44
56.00	1526	140.00	311	224.00	17592	321.00	398
57.00	3435	141.00	3426	225.00	4623	322.00	130
58.00	220	142.00	1174	226.00	441	323.00	3367
60.00	25	143.00	859	227.00	7785	324.00	536
61.00	680	144.00	221	228.00	1010	325.00	58
62.00	896	145.00	227	229.00	1676	327.00	588
63.00	2152	146.00	655	230.00	156	328.00	319
64.00	322	147.00	1712	231.00	779	329.00	82
65.00	1036	148.00	4102	232.00	96	332.00	247
66.00	46	149.00	810	233.00	111	333.00	221
67.00	80	150.00	200	234.00	458	334.00	2049
68.00	163	151.00	909	235.00	515	335.00	605
69.00	54848	152.00	64	236.00	365	336.00	101
70.00	301	153.00	1102	237.00	588	341.00	350
71.00	9	154.00	772	238.00	45	342.00	59
72.00	103	155.00	1876	239.00	380	346.00	519
73.00	392	156.00	2739	240.00	225	352.00	946
74.00	5795	157.00	909	241.00	480	353.00	587
75.00	8641	158.00	368	242.00	1119	354.00	1093
76.00	3419	159.00	579	243.00	1246	355.00	274
77.00	66152	160.00	1229	244.00	13970	360.00	33
78.00	4686	161.00	1713	245.00	2073	364.00	119
79.00	4255	162.00	387	246.00	2707	365.00	4446
80.00	3138	163.00	210	247.00	689	366.00	589

81.00	4352	164.00	267	248.00	89	370.00	62
82.00	1116	165.00	1347	249.00	460	371.00	165
83.00	1122	166.00	985	250.00	56	372.00	1694
84.00	194	167.00	7330	251.00	125	373.00	519
85.00	793	168.00	3271	252.00	276	374.00	39
86.00	1049	169.00	649	253.00	587	383.00	418
87.00	512	170.00	255	255.00	70448	384.00	126
88.00	277	171.00	295	256.00	10212	390.00	251
89.00	39	172.00	572	257.00	868	391.00	110
91.00	1053	173.00	903	258.00	4061	392.00	184
92.00	1140	174.00	1506	259.00	708	398.00	34
93.00	6804	175.00	2539	260.00	57	401.00	157
94.00	481	176.00	860	261.00	98	402.00	608
95.00	359	177.00	1270	262.00	39	403.00	989
96.00	330	178.00	338	263.00	36	404.00	317
97.00	46	179.00	5041	264.00	130	405.00	34
98.00	5399	180.00	3401	265.00	2038	415.00	43
99.00	4424	181.00	1648	266.00	238	421.00	1002
100.00	585	182.00	263	267.00	41	422.00	580
101.00	2485	183.00	118	269.00	100	423.00	6733
102.00	198	184.00	574	270.00	95	424.00	1409
103.00	757	185.00	2203	271.00	241	425.00	149
104.00	1675	186.00	17760	272.00	183	429.00	50
105.00	1457	187.00	5043	273.00	2155	430.00	53
106.00	587	188.00	563	274.00	5880	431.00	36
107.00	19528	189.00	1152	275.00	31992	433.00	36
108.00	3324	190.00	216	276.00	4094	434.00	75
109.00	192	191.00	698	277.00	2584	435.00	114
110.00	34952	192.00	1537	278.00	467	436.00	193
111.00	5138	193.00	1947	279.00	85	437.00	159
112.00	700	194.00	449	281.00	83	438.00	143
113.00	171	195.00	261	282.00	100	439.00	271
114.00	45	196.00	4490	283.00	465	441.00	17432
115.00	163	197.00	355	284.00	124	442.00	112984
116.00	1119	198.00	125088	285.00	531	443.00	21408
117.00	16840	199.00	8263	286.00	84	444.00	1878
118.00	1357	200.00	673	289.00	177	445.00	89
119.00	128	201.00	713	291.00	59		
120.00	280	203.00	778	292.00	178		
121.00	136	204.00	4881	293.00	748		
122.00	1515	205.00	7949	294.00	171		

TestAmerica Inc

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\Zs21682.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 18-JUL-2011 07:25
Operator : smith Inst ID: msz.i
Smp Info : DFTPP
Misc Info :
Comment   :
Method   : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\mszdftppSW.m
Meth Date : 11-May-2011 10:33 stephan Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONMSA

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

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

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
4.454	4.179	0.275	198	131648			0.00- 100.00	100.00
4.454	4.179	0.275	51	57224			30.00- 60.00	43.47
4.454	4.179	0.275	68	1057			0.00- 2.00	1.76
4.454	4.179	0.275	69	60112			0.00- 100.00	45.66
4.454	4.179	0.275	70	435			0.00- 2.00	0.72
4.454	4.179	0.275	127	74272			40.00- 60.00	56.42
4.454	4.179	0.275	197	453			0.00- 1.00	0.34
4.454	4.179	0.275	199	8674			5.00- 9.00	6.59
4.454	4.179	0.275	275	32944			10.00- 30.00	25.02
4.454	4.179	0.275	365	4435			1.00- 100.00	3.37
4.454	4.179	0.275	441	15506			0.01- 99.99	73.81
4.454	4.179	0.275	442	110272			40.00- 100.00	83.76
4.454	4.179	0.275	443	21008			17.00- 23.00	19.05

Data File: Zs21682.D

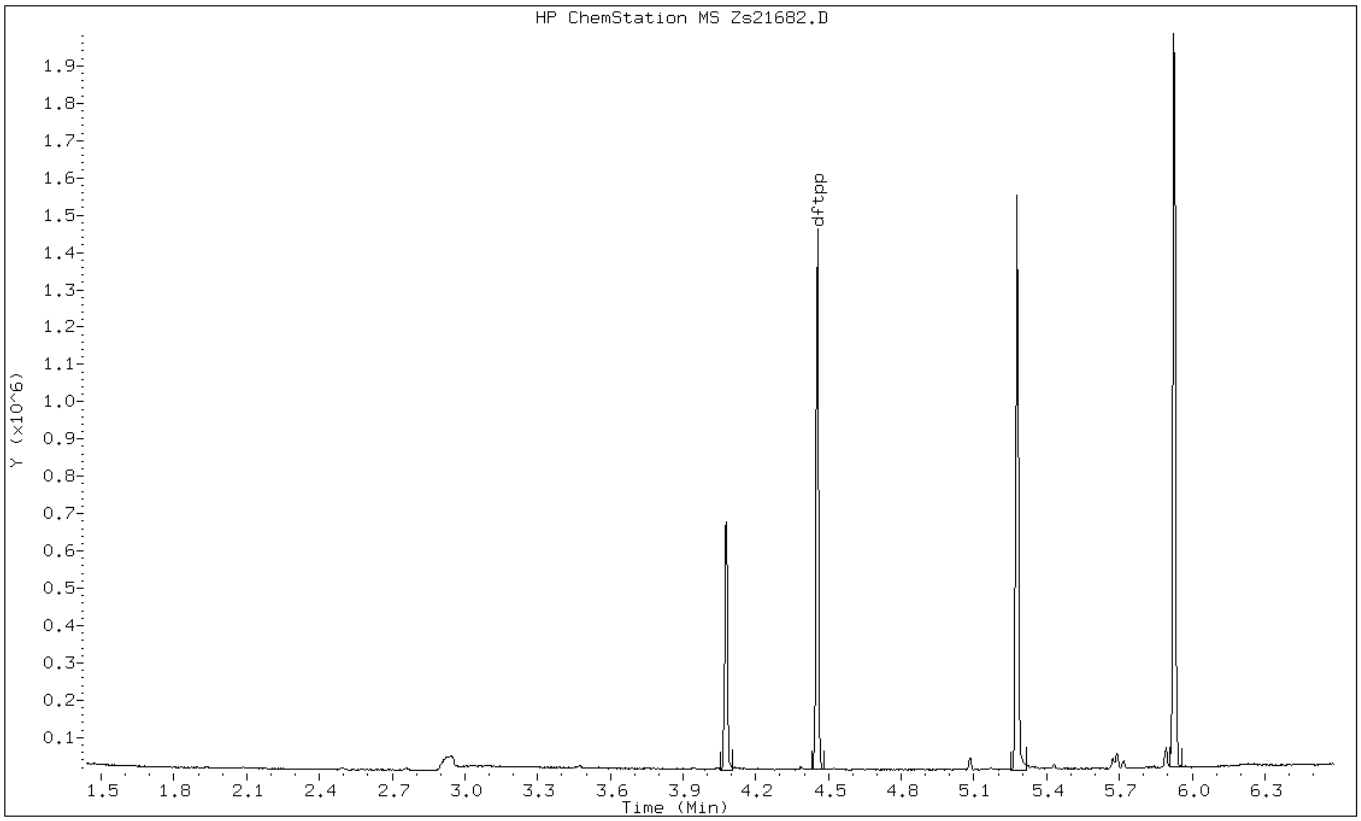
Date: 18-JUL-2011 07:25

Client ID: DFTPP

Instrument: msz.i

Sample Info: DFTPP

Operator: smith



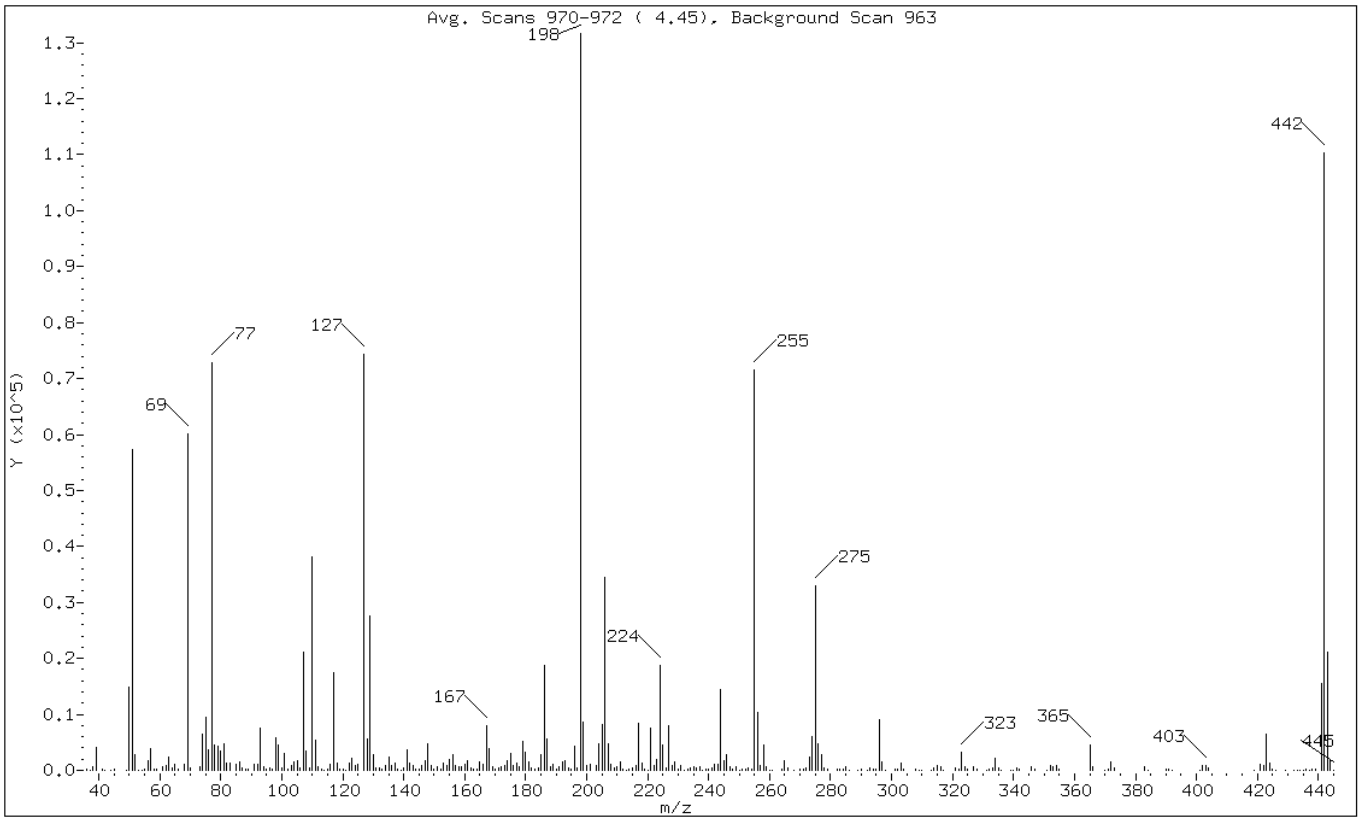
Data File: Zs21682.D

Date: 18-JUL-2011 07:25

Client ID: DFTPP Instrument: msz.i

Sample Info: DFTPP Operator: smith

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	43.47
68	Less than 2.00% of mass 69	0.80 (1.76)
69	Less than 100.00% of mass 198	45.66
70	Less than 2.00% of mass 69	0.33 (0.72)
127	40.00 - 60.00% of mass 198	56.42
197	Less than 1.00% of mass 198	0.34
199	5.00 - 9.00% of mass 198	6.59
275	10.00 - 30.00% of mass 198	25.02
365	1.00 - 100.00% of mass 198	3.37
441	Present, but less than mass 443	11.78
442	40.00 - 100.00% of mass 198	83.76
443	17.00 - 23.00% of mass 442	15.96 (19.05)

Data File: Zs21682.D

Date: 18-JUL-2011 07:25

Client ID: DFTPP Instrument: msz.i

Sample Info: DFTPP Operator: smith

Data File: \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\Zs21682.D
Spectrum: Avg. Scans 970-972 (4.45), Background Scan 963
Location of Maximum: 198.00
Number of points: 313

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	174	127.00	74272	207.00	4714	295.00	211
37.00	75	128.00	5573	208.00	1012	296.00	9019
38.00	706	129.00	27664	209.00	371	297.00	1416
39.00	4122	130.00	2700	210.00	605	298.00	68
41.00	152	131.00	430	211.00	1520	301.00	119
42.00	48	132.00	385	212.00	240	302.00	159
44.00	70	133.00	178	213.00	54	303.00	1211
45.00	192	134.00	847	214.00	121	304.00	225
49.00	15	135.00	2387	215.00	394	308.00	110
50.00	14965	136.00	909	216.00	831	309.00	69
51.00	57224	137.00	1373	217.00	8349	310.00	94
52.00	2815	138.00	249	218.00	1193	313.00	36
53.00	90	139.00	82	219.00	143	314.00	489
54.00	55	140.00	392	220.00	52	315.00	938
55.00	122	141.00	3671	221.00	7442	316.00	618
56.00	1754	142.00	1245	222.00	922	317.00	33
57.00	3796	143.00	958	223.00	2044	321.00	502
58.00	169	144.00	141	224.00	18680	322.00	145
59.00	109	145.00	177	225.00	4584	323.00	3234
61.00	652	146.00	758	226.00	534	324.00	691
62.00	873	147.00	1813	227.00	7975	325.00	202
63.00	2360	148.00	4791	228.00	943	327.00	711
64.00	378	149.00	955	229.00	1586	328.00	272
65.00	1170	150.00	250	230.00	276	331.00	64
66.00	126	151.00	746	231.00	822	332.00	287
68.00	1057	152.00	163	232.00	82	333.00	329
69.00	60112	153.00	1270	233.00	132	334.00	2145
70.00	435	154.00	955	234.00	504	335.00	489
73.00	596	155.00	1953	235.00	673	336.00	37
74.00	6570	156.00	2862	236.00	424	339.00	77
75.00	9564	157.00	899	237.00	718	340.00	42
76.00	3559	158.00	684	238.00	66	341.00	420
77.00	72728	159.00	568	239.00	279	342.00	117
78.00	4563	160.00	1077	240.00	168	346.00	581
79.00	4354	161.00	1765	241.00	419	347.00	154
80.00	3511	162.00	478	242.00	1037	351.00	36
81.00	4774	163.00	118	243.00	1061	352.00	842
82.00	1232	164.00	218	244.00	14524	353.00	555
83.00	1233	165.00	1503	245.00	1776	354.00	969
85.00	993	166.00	1110	246.00	2788	355.00	154

86.00	1413	167.00	8073	247.00	620	365.00	4435
87.00	477	168.00	3844	248.00	114	366.00	595
88.00	155	169.00	702	249.00	614	370.00	53
89.00	153	170.00	245	250.00	47	371.00	224
91.00	1111	171.00	390	251.00	180	372.00	1545
92.00	1163	172.00	633	252.00	142	373.00	404
93.00	7571	173.00	955	253.00	376	383.00	545
94.00	593	174.00	1715	254.00	249	384.00	85
95.00	285	175.00	2988	255.00	71552	390.00	185
96.00	362	176.00	804	256.00	10390	391.00	134
97.00	177	177.00	1337	257.00	784	392.00	88
98.00	5826	178.00	544	258.00	4548	401.00	91
99.00	4429	179.00	5075	259.00	692	402.00	784
100.00	507	180.00	3294	260.00	98	403.00	967
101.00	3117	181.00	1614	261.00	70	404.00	439
102.00	187	182.00	379	264.00	233	419.00	36
103.00	774	183.00	128	265.00	1763	421.00	989
104.00	1521	184.00	460	266.00	368	422.00	833
105.00	1686	185.00	2720	268.00	34	423.00	6474
106.00	381	186.00	18640	270.00	187	424.00	1235
107.00	21008	187.00	5617	271.00	190	425.00	124
108.00	3409	188.00	596	272.00	352	426.00	106
109.00	497	189.00	1079	273.00	2277	429.00	64
110.00	38080	190.00	195	274.00	5952	432.00	38
111.00	5357	191.00	644	275.00	32944	433.00	39
112.00	627	192.00	1606	276.00	4696	434.00	99
113.00	311	193.00	1807	277.00	2809	435.00	53
114.00	48	194.00	445	278.00	476	436.00	155
115.00	147	195.00	110	279.00	120	437.00	91
116.00	1067	196.00	4366	282.00	190	438.00	161
117.00	17480	197.00	453	283.00	194	439.00	232
118.00	1319	198.00	131648	284.00	244	441.00	15506
119.00	177	199.00	8674	285.00	595	442.00	110272
120.00	228	200.00	787	286.00	45	443.00	21008
121.00	36	201.00	1004	289.00	37	444.00	1938
122.00	1382	203.00	864	290.00	118	445.00	69
123.00	2235	204.00	4785	292.00	96		
124.00	925	205.00	8118	293.00	512		
125.00	1118	206.00	34448	294.00	163		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 220-52864/1-A

Matrix: Water | Lab File ID: C24302.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 1000(mL) | Date Analyzed: 07/18/2011 12:09

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 53011 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	4.0	U	4.0	0.31
208-96-8	Acenaphthylene	4.0	U	4.0	0.34
120-12-7	Anthracene	4.0	U	4.0	0.29
56-55-3	Benzo[a]anthracene	4.0	U	4.0	0.30
50-32-8	Benzo[a]pyrene	4.0	U	4.0	0.35
205-99-2	Benzo[b]fluoranthene	4.0	U	4.0	0.36
191-24-2	Benzo[g,h,i]perylene	4.0	U	4.0	0.36
207-08-9	Benzo[k]fluoranthene	4.0	U	4.0	0.40
111-91-1	Bis(2-chloroethoxy)methane	4.0	U	4.0	0.31
111-44-4	Bis(2-chloroethyl)ether	4.0	U	4.0	0.29
117-81-7	Bis(2-ethylhexyl) phthalate	2.44	J	4.0	0.54
85-68-7	Butyl benzyl phthalate	4.0	U	4.0	0.35
86-74-8	Carbazole	4.0	U	4.0	0.33
218-01-9	Chrysene	4.0	U	4.0	0.25
84-74-2	Di-n-butyl phthalate	4.0	U	4.0	0.35
117-84-0	Di-n-octyl phthalate	4.0	U	4.0	0.38
101-55-3	4-Bromophenyl phenyl ether	4.0	U	4.0	0.44
106-47-8	4-Chloroaniline	4.0	U	4.0	0.29
91-58-7	2-Chloronaphthalene	4.0	U	4.0	0.39
7005-72-3	4-Chlorophenyl phenyl ether	4.0	U	4.0	0.35
53-70-3	Dibenz(a,h)anthracene	4.0	U	4.0	0.38
132-64-9	Dibenzofuran	4.0	U	4.0	0.43
84-66-2	Diethyl phthalate	4.0	U	4.0	0.43
131-11-3	Dimethyl phthalate	4.0	U	4.0	0.38
95-50-1	1,2-Dichlorobenzene	4.0	U	4.0	0.31
541-73-1	1,3-Dichlorobenzene	4.0	U	4.0	0.25
106-46-7	1,4-Dichlorobenzene	4.0	U	4.0	0.31
91-94-1	3,3'-Dichlorobenzidine	4.0	U	4.0	0.36
121-14-2	2,4-Dinitrotoluene	4.0	U	4.0	0.40
606-20-2	2,6-Dinitrotoluene	4.0	U	4.0	0.26
206-44-0	Fluoranthene	4.0	U	4.0	0.31
86-73-7	Fluorene	4.0	U	4.0	0.26
118-74-1	Hexachlorobenzene	4.0	U	4.0	0.33
87-68-3	Hexachlorobutadiene	4.0	U	4.0	0.20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 220-52864/1-A

Matrix: Water | Lab File ID: C24302.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 1000(mL) | Date Analyzed: 07/18/2011 12:09

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 53011 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
77-47-4	Hexachlorocyclopentadiene	4.0	U	4.0	0.35
67-72-1	Hexachloroethane	4.0	U	4.0	0.37
193-39-5	Indeno[1,2,3-cd]pyrene	4.0	U	4.0	0.28
78-59-1	Isophorone	4.0	U	4.0	0.31
91-57-6	2-Methylnaphthalene	4.0	U	4.0	0.27
91-20-3	Naphthalene	4.0	U	4.0	0.30
88-74-4	2-Nitroaniline	4.0	U	4.0	0.34
99-09-2	3-Nitroaniline	4.0	U	4.0	0.23
98-95-3	Nitrobenzene	4.0	U	4.0	0.28
621-64-7	N-Nitrosodi-n-propylamine	4.0	U	4.0	0.33
86-30-6	N-Nitrosodiphenylamine	4.0	U	4.0	0.33
85-01-8	Phenanthrene	4.0	U	4.0	0.28
129-00-0	Pyrene	4.0	U	4.0	0.33
120-82-1	1,2,4-Trichlorobenzene	4.0	U	4.0	0.36
59-50-7	4-Chloro-3-methylphenol	5.0	U	5.0	0.34
95-57-8	2-Chlorophenol	4.0	U	4.0	0.23
95-48-7	2-Methylphenol	4.0	U	4.0	0.24
106-44-5	4-Methylphenol	4.0	U	4.0	0.29
120-83-2	2,4-Dichlorophenol	4.0	U	4.0	0.33
105-67-9	2,4-Dimethylphenol	4.0	U	4.0	0.33
51-28-5	2,4-Dinitrophenol	25	U	25	0.43
534-52-1	4,6-Dinitro-2-methylphenol	25	U	25	1.9
88-75-5	2-Nitrophenol	4.0	U	4.0	0.27
100-02-7	4-Nitrophenol	10	U	10	1.5
87-86-5	Pentachlorophenol	25	U	25	0.31
108-95-2	Phenol	4.0	U	4.0	0.19
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.28
88-06-2	2,4,6-Trichlorophenol	4.0	U	4.0	0.37
100-51-6	Benzyl alcohol	4.0	U	4.0	0.41
100-01-6	4-Nitroaniline	4.0	U	4.0	0.20
108-60-1	2,2'-oxybis[1-chloropropane]	4.0	U	4.0	0.25

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 220-52864/1-A

Matrix: Water Lab File ID: C24302.D

Analysis Method: 8270C Date Collected:

Extract. Method: 3510C Date Extracted: 07/14/2011 13:55

Sample wt/vol: 1000(mL) Date Analyzed: 07/18/2011 12:09

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

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

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

Analysis Batch No.: 53011 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	51		39-120
367-12-4	2-Fluorophenol	31		13-120
118-79-6	2,4,6-Tribromophenol	60		36-120
4165-60-0	Nitrobenzene-d5	54		40-120
4165-62-2	Phenol-d5	22		10-120
1718-51-0	Terphenyl-d14	65		10-120

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124300.b\C24302.D
Lab Smp Id: MB 220-52864/1-A Client Smp ID: MB 220-52864/1-A
Inj Date : 18-JUL-2011 12:09
Operator : S.Jonas Inst ID: msc.i
Smp Info : MB 220-52864/1-A
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124300.b\MSC-8270C.m
Meth Date : 19-Jul-2011 09:06 stephan Quant Type: ISTD
Cal Date : 14-JUL-2011 12:05 Cal File: C24250.D
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

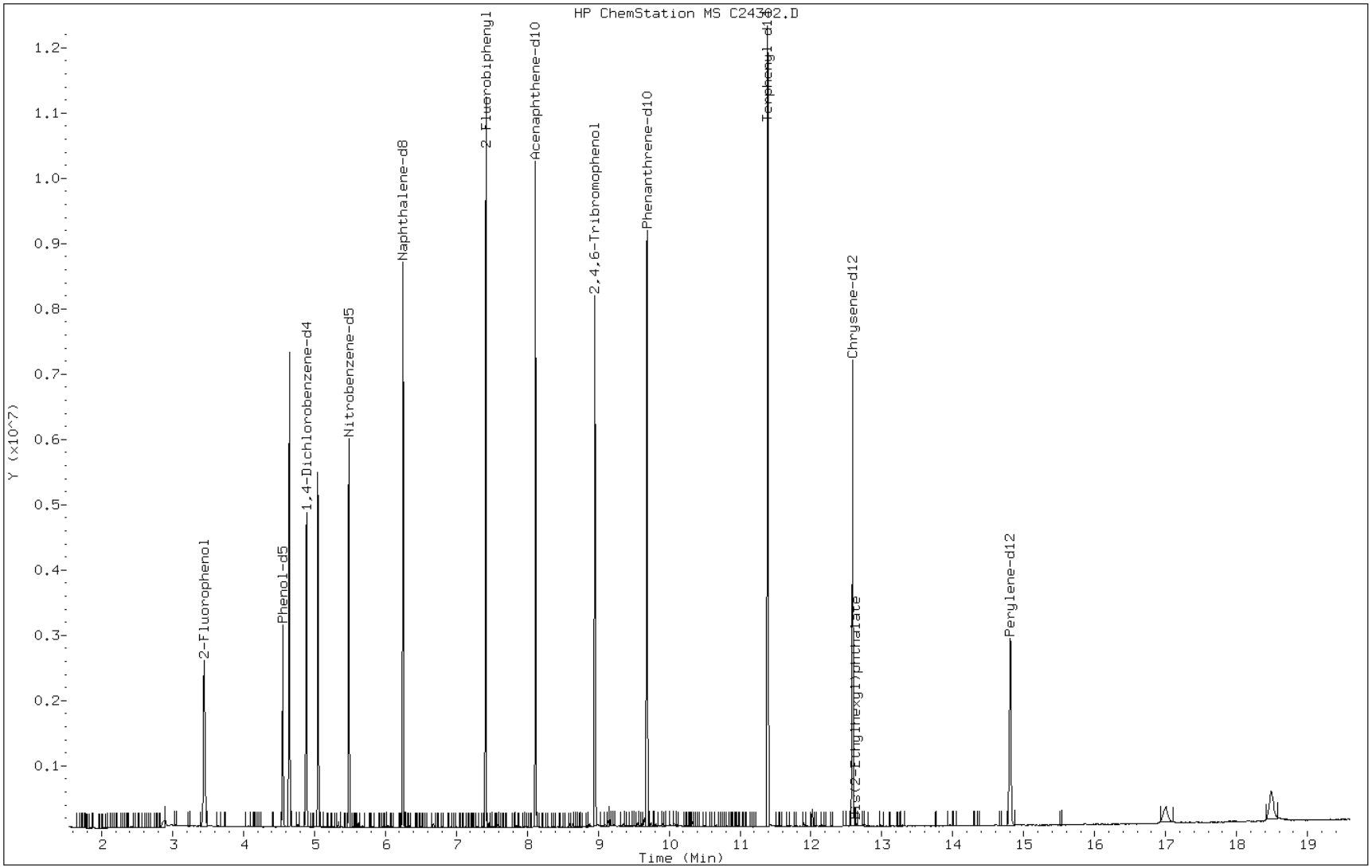
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)
*	1 1,4-Dichlorobenzene-d4	152	4.890	4.890	(1.000)	828876	20.0000	
$	2 2-Fluorophenol	112	3.447	3.454	(0.705)	1106095	23.4592	23
$	3 Phenol-d5	99	4.557	4.569	(0.932)	1042725	16.5716	17
*	20 Naphthalene-d8	136	6.249	6.255	(1.000)	3334862	20.0000	
$	21 Nitrobenzene-d5	82	5.489	5.495	(0.878)	1573792	27.2036	27
*	35 Acenaphthene-d10	164	8.118	8.125	(1.000)	1997453	20.0000	
$	40 2-Fluorobiphenyl	172	7.418	7.424	(0.914)	3083522	25.3069	25
$	56 2,4,6-Tribromophenol	330	8.955	8.967	(1.103)	775143	44.7868	45
*	57 Phenanthrene-d10	188	9.691	9.698	(1.000)	3306725	20.0000	
*	70 Chrysene-d12	240	12.588	12.600	(1.000)	2812285	20.0000	
$	73 Terphenyl-d14	244	11.389	11.395	(0.905)	3998115	32.3141	32
	78 Bis(2-Ethylhexyl)phthalate	149	12.635	12.641	(1.004)	17152	2.44415	2
*	79 Perylene-d12	264	14.808	14.820	(1.000)	1734728	20.0000	

Data File: C24302.D

Date: 18-JUL-2011 12:09

Client ID: MB 220-52864/1-A Instrument: msc.i

Sample Info: MB 220-52864/1-A Operator: S.Jonas



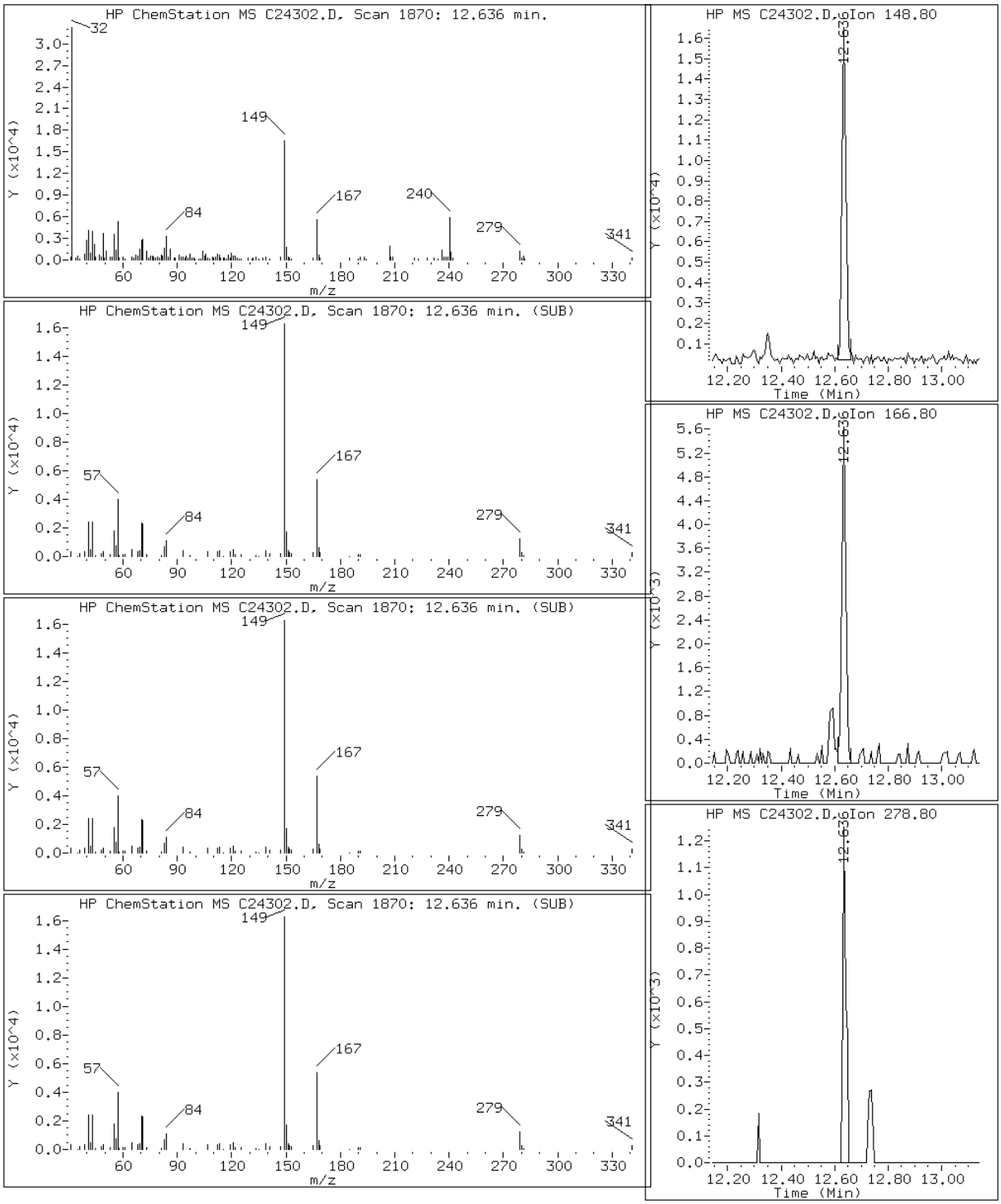
Data File: C24302.D

Date: 18-JUL-2011 12:09

Client ID: MB 220-52864/1-A Instrument: msc.i

Sample Info: MB 220-52864/1-A Operator: S.Jonas

78 Bis(2-Ethylhexyl)phthalate



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 220-52864/2-A

Matrix: Water | Lab File ID: C24304.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 1000(mL) | Date Analyzed: 07/18/2011 12:43

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 53011 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	30.4		4.0	0.31
208-96-8	Acenaphthylene	31.7		4.0	0.34
120-12-7	Anthracene	35.4		4.0	0.29
56-55-3	Benzo[a]anthracene	34.8		4.0	0.30
50-32-8	Benzo[a]pyrene	34.9		4.0	0.35
205-99-2	Benzo[b]fluoranthene	34.6		4.0	0.36
191-24-2	Benzo[g,h,i]perylene	39.9		4.0	0.36
207-08-9	Benzo[k]fluoranthene	35.5		4.0	0.40
111-91-1	Bis(2-chloroethoxy)methane	30.1		4.0	0.31
111-44-4	Bis(2-chloroethyl)ether	28.3		4.0	0.29
117-81-7	Bis(2-ethylhexyl) phthalate	33.1		4.0	0.54
85-68-7	Butyl benzyl phthalate	36.7		4.0	0.35
86-74-8	Carbazole	33.1		4.0	0.33
218-01-9	Chrysene	34.0		4.0	0.25
84-74-2	Di-n-butyl phthalate	36.5		4.0	0.35
117-84-0	Di-n-octyl phthalate	36.3		4.0	0.38
101-55-3	4-Bromophenyl phenyl ether	33.1		4.0	0.44
106-47-8	4-Chloroaniline	29.3		4.0	0.29
91-58-7	2-Chloronaphthalene	27.8		4.0	0.39
7005-72-3	4-Chlorophenyl phenyl ether	31.7		4.0	0.35
53-70-3	Dibenz(a,h)anthracene	40.5		4.0	0.38
132-64-9	Dibenzofuran	31.5		4.0	0.43
84-66-2	Diethyl phthalate	34.2		4.0	0.43
131-11-3	Dimethyl phthalate	33.2		4.0	0.38
95-50-1	1,2-Dichlorobenzene	23.0		4.0	0.31
541-73-1	1,3-Dichlorobenzene	22.5		4.0	0.25
106-46-7	1,4-Dichlorobenzene	22.4		4.0	0.31
91-94-1	3,3'-Dichlorobenzidine	24.8		4.0	0.36
121-14-2	2,4-Dinitrotoluene	34.2		4.0	0.40
606-20-2	2,6-Dinitrotoluene	34.7		4.0	0.26
206-44-0	Fluoranthene	35.1		4.0	0.31
86-73-7	Fluorene	32.7		4.0	0.26
118-74-1	Hexachlorobenzene	33.1		4.0	0.33
87-68-3	Hexachlorobutadiene	21.9		4.0	0.20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 220-52864/2-A

Matrix: Water | Lab File ID: C24304.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 1000(mL) | Date Analyzed: 07/18/2011 12:43

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 53011 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
77-47-4	Hexachlorocyclopentadiene	23.6		4.0	0.35
67-72-1	Hexachloroethane	22.0		4.0	0.37
193-39-5	Indeno[1,2,3-cd]pyrene	41.3		4.0	0.28
78-59-1	Isophorone	31.0		4.0	0.31
91-57-6	2-Methylnaphthalene	26.9		4.0	0.27
91-20-3	Naphthalene	26.9		4.0	0.30
88-74-4	2-Nitroaniline	34.5		4.0	0.34
99-09-2	3-Nitroaniline	32.2		4.0	0.23
98-95-3	Nitrobenzene	29.1		4.0	0.28
621-64-7	N-Nitrosodi-n-propylamine	30.6		4.0	0.33
86-30-6	N-Nitrosodiphenylamine	33.4		4.0	0.33
85-01-8	Phenanthrene	34.2		4.0	0.28
129-00-0	Pyrene	37.3		4.0	0.33
120-82-1	1,2,4-Trichlorobenzene	23.5		4.0	0.36
59-50-7	4-Chloro-3-methylphenol	32.9		5.0	0.34
95-57-8	2-Chlorophenol	26.8		4.0	0.23
95-48-7	2-Methylphenol	25.2		4.0	0.24
106-44-5	4-Methylphenol	46.6		4.0	0.29
120-83-2	2,4-Dichlorophenol	30.4		4.0	0.33
105-67-9	2,4-Dimethylphenol	29.5		4.0	0.33
51-28-5	2,4-Dinitrophenol	31.8		25	0.43
534-52-1	4,6-Dinitro-2-methylphenol	34.9		25	1.9
88-75-5	2-Nitrophenol	30.8		4.0	0.27
100-02-7	4-Nitrophenol	15.1		10	1.5
87-86-5	Pentachlorophenol	32.8		25	0.31
108-95-2	Phenol	11.5		4.0	0.19
95-95-4	2,4,5-Trichlorophenol	33.0		10	0.28
88-06-2	2,4,6-Trichlorophenol	32.6		4.0	0.37
100-51-6	Benzyl alcohol	23.4		4.0	0.41
100-01-6	4-Nitroaniline	32.2		4.0	0.20
108-60-1	2,2'-oxybis[1-chloropropane]	29.8		4.0	0.25

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 220-52864/2-A

Matrix: Water | Lab File ID: C24304.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 1000(mL) | Date Analyzed: 07/18/2011 12:43

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 53011 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	72		39-120
367-12-4	2-Fluorophenol	43		13-120
118-79-6	2,4,6-Tribromophenol	87		36-120
4165-60-0	Nitrobenzene-d5	76		40-120
4165-62-2	Phenol-d5	30		10-120
1718-51-0	Terphenyl-d14	90		10-120

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124300.b\C24304.D
Lab Smp Id: LCS 220-52864/2-A Client Smp ID: LCS 220-52864/2-A
Inj Date : 18-JUL-2011 12:43
Operator : S.Jonas Inst ID: msc.i
Smp Info : LCS 220-52864/2-A
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124300.b\MSC-8270C.m
Meth Date : 19-Jul-2011 09:06 stephan Quant Type: ISTD
Cal Date : 14-JUL-2011 12:05 Cal File: C24250.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: lcs.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)
*	1 1,4-Dichlorobenzene-d4	152	4.890	4.890	(1.000)	844620	20.0000	
$	2 2-Fluorophenol	112	3.454	3.454	(0.706)	1556327	32.3929	32
$	3 Phenol-d5	99	4.563	4.569	(0.933)	1418828	22.1285	22
	4 Pyridine	52	1.643	1.637	(0.336)	219806	12.6154	13
	5 N-Nitrosodimethylamine	42	1.631	1.631	(0.334)	251667	18.9497	19
	7 Phenol	94	4.575	4.587	(0.936)	841274	11.4764	11
	8 Aniline	93	4.546	4.546	(0.930)	1737313	22.6401	23
	9 bis(2-Chloroethyl)ether	63	4.641	4.641	(0.949)	1350125	28.3404	28
	10 2-Chlorophenol	128	4.670	4.670	(0.955)	1615238	26.8227	27
	11 1,3-Dichlorobenzene	146	4.825	4.825	(0.987)	1527925	22.5113	23
	12 1,4-Dichlorobenzene	146	4.908	4.908	(1.004)	1561150	22.3537	22
	13 Benzyl alcohol	108	5.068	5.074	(1.036)	854710	23.3916	23
	14 1,2-Dichlorobenzene	146	5.068	5.074	(1.036)	1507240	23.0403	23
	15 2,2'-oxybis(1-Chloropropane)	45	5.222	5.222	(1.068)	3066078	29.7985	30
	16 2-Methylphenol	108	5.216	5.222	(1.067)	1326605	25.2014	25
	17 Hexachloroethane	117	5.430	5.430	(1.110)	620873	21.9741	22
	18 N-Nitroso-di-n-propylamine	70	5.365	5.371	(1.097)	1296389	30.6271	31
	19 4-Methylphenol	108	5.394	5.388	(1.103)	2615487	46.5954	47
*	20 Naphthalene-d8	136	6.255	6.255	(1.000)	3434972	20.0000	
$	21 Nitrobenzene-d5	82	5.495	5.495	(0.879)	2269741	38.0900	38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)
	22 Nitrobenzene	77	5.513	5.519	(0.881)	1777210	29.0695	29
	23 Isophorone	82	5.780	5.786	(0.924)	3444710	31.0388	31
	24 2-Nitrophenol	139	5.857	5.857	(0.936)	1045551	30.8393	31
	25 2,4-Dimethylphenol	122	5.946	5.946	(0.951)	1537432	29.5208	30
	26 Benzoic Acid	122	6.071	6.113	(0.971)	290659	15.1390	15(H)
	27 Bis(2-Chloroethoxy)methane	93	6.035	6.035	(0.965)	2083191	30.1431	30
	28 2,4-Dichlorophenol	162	6.124	6.130	(0.979)	1523804	30.4298	30
	29 1,2,4-Trichlorobenzene	180	6.202	6.208	(0.991)	1346265	23.5264	24
	30 Naphthalene	128	6.279	6.279	(1.004)	4595746	26.8839	27
	31 4-Chloroaniline	127	6.350	6.356	(1.015)	2077327	29.3333	29
	32 Hexachlorobutadiene	225	6.433	6.433	(1.028)	739723	21.9475	22
	33 4-Chloro-3-methylphenol	107	6.896	6.908	(1.102)	1636696	32.8992	33
	34 2-Methylnaphthalene	142	7.021	7.021	(1.122)	3176199	26.9393	27
*	35 Acenaphthene-d10	164	8.125	8.125	(1.000)	2081561	20.0000	
	37 Hexachlorocyclopentadiene	237	7.205	7.205	(0.887)	765330	23.5866	24
	38 2,4,6-Trichlorophenol	196	7.335	7.335	(0.903)	1211220	32.5895	33
	39 2,4,5-Trichlorophenol	196	7.371	7.377	(0.907)	1283863	33.0362	33
$	40 2-Fluorobiphenyl	172	7.424	7.424	(0.914)	4549963	35.8334	36
	41 2-Chloronaphthalene	162	7.531	7.537	(0.927)	3164060	27.7692	28
	42 2-Nitroaniline	65	7.656	7.656	(0.942)	1214033	34.5019	35
	43 Acenaphthylene	152	7.970	7.970	(0.981)	5743404	31.6566	32
	44 Dimethylphthalate	163	7.875	7.869	(0.969)	4193132	33.2118	33
	45 2,6-Dinitrotoluene	165	7.923	7.923	(0.975)	1052664	34.7279	35
	46 Acenaphthene	153	8.160	8.160	(1.004)	3583667	30.3919	30
	47 3-Nitroaniline	138	8.095	8.095	(0.996)	1104077	32.1780	32
	48 2,4-Dinitrophenol	184	8.202	8.202	(1.009)	541676	31.8283	32
	49 Dibenzofuran	168	8.344	8.344	(1.027)	5150856	31.4613	31
	50 2,4-Dinitrotoluene	165	8.344	8.344	(1.027)	1395928	34.1989	34
	51 4-Nitrophenol	109	8.297	8.303	(1.021)	213874	15.1284	15
	52 Fluorene	166	8.706	8.706	(1.072)	4371418	32.7217	33
	53 4-Chlorophenyl-phenylether	204	8.718	8.718	(1.073)	2083251	31.6743	32
	54 Diethylphthalate	149	8.617	8.617	(1.061)	4453753	34.1836	34
	55 4-Nitroaniline	138	8.748	8.754	(1.077)	1071590	32.2052	32
$	56 2,4,6-Tribromophenol	330	8.967	8.967	(1.104)	1171310	64.9423	65
*	57 Phenanthrene-d10	188	9.697	9.698	(1.000)	3441867	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.778	8.783	(0.905)	835126	34.9285	35
	59 N-Nitrosodiphenylamine (1)	169	8.849	8.849	(0.912)	3198036	33.4102	33
	60 1,2-Diphenylhydrazine	77	8.884	8.884	(0.916)	4554213	33.5936	34
	61 4-Bromophenyl-phenylether	248	9.235	9.235	(0.952)	1257897	33.1099	33
	62 Hexachlorobenzene	284	9.300	9.300	(0.959)	1339296	33.0879	33
	63 Pentachlorophenol	266	9.508	9.514	(0.980)	734557	32.8253	33
	64 Phenanthrene	178	9.721	9.727	(1.002)	6155666	34.2324	34
	65 Carbazole	167	9.953	9.959	(1.026)	5689409	33.0914	33
	66 Anthracene	178	9.775	9.781	(1.008)	6401861	35.3538	35
	67 Di-n-butylphthalate	149	10.344	10.344	(1.067)	7253044	36.4988	36
	68 Fluoranthene	202	10.985	10.985	(1.133)	6759491	35.0839	35
*	70 Chrysene-d12	240	12.600	12.600	(1.000)	2779522	20.0000	
	72 Pyrene	202	11.223	11.223	(0.891)	6763252	37.3048	37
$	73 Terphenyl-d14	244	11.395	11.395	(0.904)	5492925	44.9190	45
	74 Butylbenzylphthalate	149	11.929	11.929	(0.947)	2691140	36.7081	37
	75 3,3'-Dichlorobenzidine	252	12.558	12.558	(0.997)	1019869	24.8094	25
	76 Benzo(a)anthracene	228	12.588	12.588	(0.999)	5329220	34.7659	35
	77 Chrysene	228	12.635	12.635	(1.003)	4965443	34.0368	34
	78 Bis(2-Ethylhexyl)phthalate	149	12.641	12.641	(1.003)	2935967	33.0807	33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)
* 79 Perylene-d12	264	14.814	14.820	(1.000)	1258063	20.0000	
80 Di-n-octylphthalate	149	13.573	13.573	(0.916)	3003274	36.2851	36
81 Benzo(b)fluoranthene	252	14.167	14.167	(0.956)	2821260	34.6193	35
82 Benzo(k)fluoranthene	252	14.214	14.214	(0.960)	3038390	35.4819	35
83 Benzo(a)pyrene	252	14.719	14.719	(0.994)	2100752	34.9229	35
84 Indeno(1,2,3-cd)pyrene	276	16.850	16.855	(1.137)	1422586	41.2804	41
85 Dibenzo(a,h)anthracene	278	16.909	16.909	(1.141)	1422416	40.4638	40
86 Benzo(g,h,i)perylene	276	17.390	17.390	(1.174)	1461934	39.9178	40

QC Flag Legend

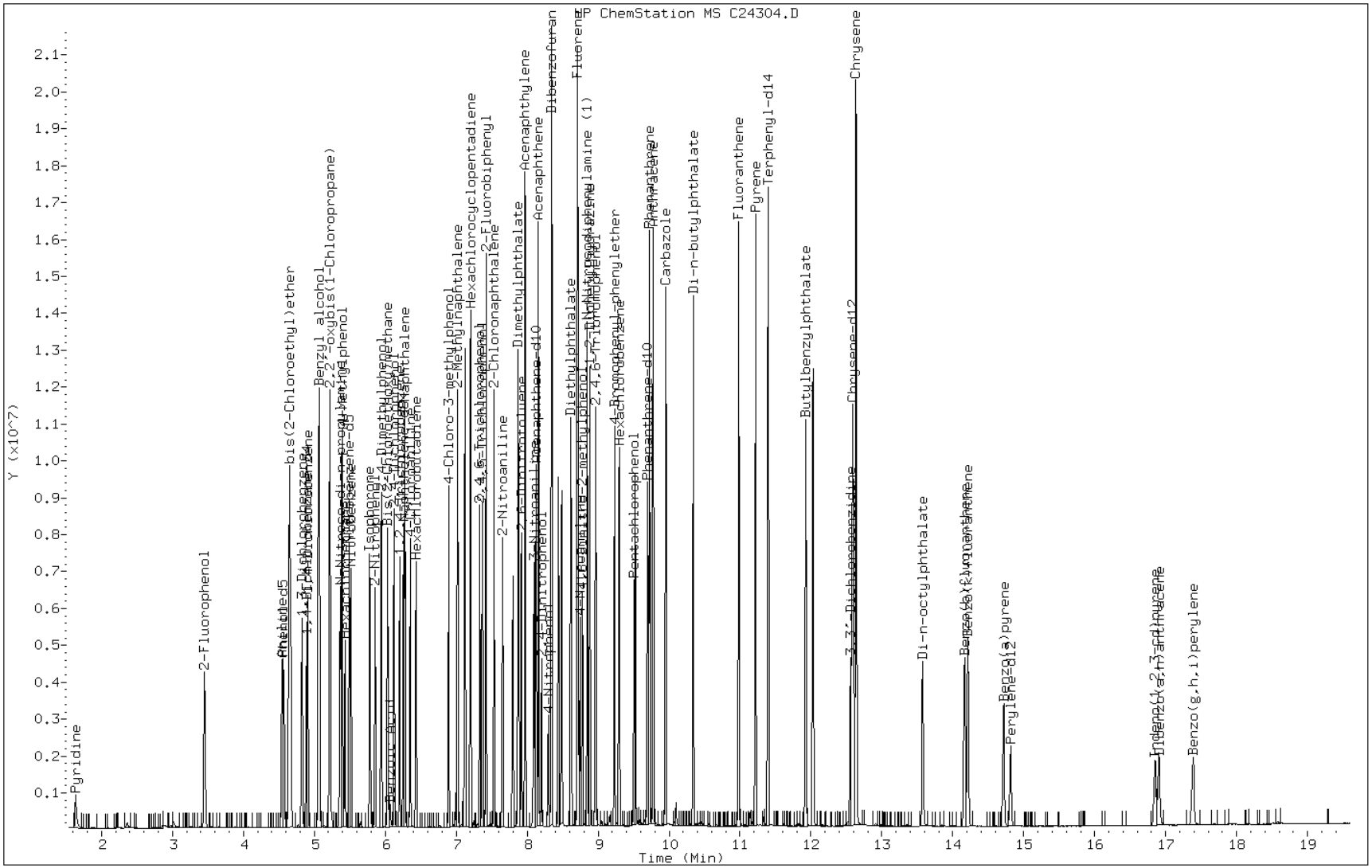
H - Operator selected an alternate compound hit.

Data File: C24304.D

Date: 18-JUL-2011 12:43

Client ID: LCS 220-52864/2-A Instrument: msc.i

Sample Info: LCS 220-52864/2-A Operator: S.Jonas



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-10 MS | Lab Sample ID: 220-15975-8 MS

Matrix: Water | Lab File ID: Z21701.D

Analysis Method: 8270C | Date Collected: 07/11/2011 15:00

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 930(mL) | Date Analyzed: 07/18/2011 15:43

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	36.6		4.3	0.33
208-96-8	Acenaphthylene	36.1		4.3	0.37
120-12-7	Anthracene	39.4		4.3	0.31
56-55-3	Benzo[a]anthracene	38.3		4.3	0.32
50-32-8	Benzo[a]pyrene	40.3		4.3	0.38
205-99-2	Benzo[b]fluoranthene	46.4		4.3	0.39
191-24-2	Benzo[g,h,i]perylene	41.3		4.3	0.39
207-08-9	Benzo[k]fluoranthene	48.2		4.3	0.43
111-91-1	Bis(2-chloroethoxy)methane	34.7		4.3	0.33
111-44-4	Bis(2-chloroethyl)ether	31.3		4.3	0.31
117-81-7	Bis(2-ethylhexyl) phthalate	50.6		4.3	0.58
85-68-7	Butyl benzyl phthalate	46.7		4.3	0.38
86-74-8	Carbazole	40.4		4.3	0.35
218-01-9	Chrysene	37.6		4.3	0.27
84-74-2	Di-n-butyl phthalate	42.0		4.3	0.38
117-84-0	Di-n-octyl phthalate	74.3		4.3	0.41
101-55-3	4-Bromophenyl phenyl ether	38.1		4.3	0.47
106-47-8	4-Chloroaniline	33.5		4.3	0.31
91-58-7	2-Chloronaphthalene	34.6		4.3	0.42
7005-72-3	4-Chlorophenyl phenyl ether	37.6		4.3	0.38
53-70-3	Dibenz(a,h)anthracene	41.3		4.3	0.41
132-64-9	Dibenzofuran	37.2		4.3	0.46
84-66-2	Diethyl phthalate	40.0		4.3	0.46
131-11-3	Dimethyl phthalate	38.4		4.3	0.41
95-50-1	1,2-Dichlorobenzene	27.0		4.3	0.33
541-73-1	1,3-Dichlorobenzene	26.5		4.3	0.27
106-46-7	1,4-Dichlorobenzene	26.4		4.3	0.33
91-94-1	3,3'-Dichlorobenzidine	6.12		4.3	0.39
121-14-2	2,4-Dinitrotoluene	39.7		4.3	0.43
606-20-2	2,6-Dinitrotoluene	39.6		4.3	0.28
206-44-0	Fluoranthene	40.6		4.3	0.33
86-73-7	Fluorene	38.5		4.3	0.28
118-74-1	Hexachlorobenzene	37.1		4.3	0.35
87-68-3	Hexachlorobutadiene	27.2		4.3	0.22

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-10 MS | Lab Sample ID: 220-15975-8 MS

Matrix: Water | Lab File ID: Z21701.D

Analysis Method: 8270C | Date Collected: 07/11/2011 15:00

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 930(mL) | Date Analyzed: 07/18/2011 15:43

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
77-47-4	Hexachlorocyclopentadiene	23.3		4.3	0.38
67-72-1	Hexachloroethane	25.5		4.3	0.40
193-39-5	Indeno[1,2,3-cd]pyrene	39.8		4.3	0.30
78-59-1	Isophorone	36.7		4.3	0.33
91-57-6	2-Methylnaphthalene	33.6		4.3	0.29
91-20-3	Naphthalene	31.7		4.3	0.32
88-74-4	2-Nitroaniline	40.7		4.3	0.37
99-09-2	3-Nitroaniline	35.9		4.3	0.25
98-95-3	Nitrobenzene	33.8		4.3	0.30
621-64-7	N-Nitrosodi-n-propylamine	34.8		4.3	0.35
86-30-6	N-Nitrosodiphenylamine	38.6		4.3	0.35
85-01-8	Phenanthrene	38.7		4.3	0.30
129-00-0	Pyrene	40.5		4.3	0.35
120-82-1	1,2,4-Trichlorobenzene	29.3		4.3	0.39
59-50-7	4-Chloro-3-methylphenol	37.6		5.4	0.37
95-57-8	2-Chlorophenol	29.8		4.3	0.25
95-48-7	2-Methylphenol	29.1		4.3	0.26
106-44-5	4-Methylphenol	53.0		4.3	0.31
120-83-2	2,4-Dichlorophenol	34.7		4.3	0.35
105-67-9	2,4-Dimethylphenol	35.8		4.3	0.35
51-28-5	2,4-Dinitrophenol	31.8		27	0.46
534-52-1	4,6-Dinitro-2-methylphenol	35.6		27	2.0
88-75-5	2-Nitrophenol	34.0		4.3	0.29
100-02-7	4-Nitrophenol	18.6		11	1.6
87-86-5	Pentachlorophenol	42.6		27	0.33
108-95-2	Phenol	13.4		4.3	0.20
95-95-4	2,4,5-Trichlorophenol	39.2		11	0.30
88-06-2	2,4,6-Trichlorophenol	38.1		4.3	0.40
100-51-6	Benzyl alcohol	26.7		4.3	0.44
100-01-6	4-Nitroaniline	39.1		4.3	0.22
108-60-1	2,2'-oxybis[1-chloropropane]	33.8		4.3	0.27

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-10 MS Lab Sample ID: 220-15975-8 MS

Matrix: Water Lab File ID: Z21701.D

Analysis Method: 8270C Date Collected: 07/11/2011 15:00

Extract. Method: 3510C Date Extracted: 07/14/2011 13:55

Sample wt/vol: 930(mL) Date Analyzed: 07/18/2011 15:43

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

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

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

Analysis Batch No.: 52963 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	78		39-120
367-12-4	2-Fluorophenol	43		13-120
118-79-6	2,4,6-Tribromophenol	95		36-120
4165-60-0	Nitrobenzene-d5	78		40-120
4165-62-2	Phenol-d5	30		10-120
1718-51-0	Terphenyl-d14	98		10-120

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\Z21701.D
Lab Smp Id: 220-15975-E-8-B MS Client Smp ID: MW-10
Inj Date : 18-JUL-2011 15:43
Operator : S.Jonas Inst ID: msz.i
Smp Info : 220-15975-E-8-BMS
Misc Info : 220-15975-E-8-B MS
Comment :
Method : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\MSZ-8270C.m
Meth Date : 18-Jul-2011 08:04 stephan Quant Type: ISTD
Cal Date : 23-JUN-2011 08:38 Cal File: Z21499.D
Als bottle: 17 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	930.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/L)
*	1	1,4-Dichlorobenzene-d4	152	4.843	4.846	(1.000)	280848	20.0000	
$	2	2-Fluorophenol	112	3.407	3.401	(0.704)	509584	31.9979	34
$	3	Phenol-d5	99	4.526	4.526	(0.935)	517802	22.4574	24
	4	Pyridine	52	1.608	1.601	(0.332)	78086	17.5502	19
	5	N-Nitrosodimethylamine	42	1.595	1.592	(0.329)	66473	19.3103	21
	7	Phenol	94	4.539	4.542	(0.937)	306571	12.5013	13
	8	Aniline	93	4.501	4.501	(0.929)	757808	26.9559	29
	9	bis(2-Chloroethyl)ether	63	4.595	4.598	(0.949)	429123	29.1173	31
	10	2-Chlorophenol	128	4.626	4.626	(0.955)	585918	27.6871	30
	11	1,3-Dichlorobenzene	146	4.781	4.781	(0.987)	583486	24.6314	26
	12	1,4-Dichlorobenzene	146	4.862	4.865	(1.004)	599851	24.5885	26
	13	Benzyl alcohol	108	5.030	5.033	(1.038)	299111	24.8616	27
	14	1,2-Dichlorobenzene	146	5.027	5.026	(1.038)	565167	25.1356	27
	15	2,2'-oxybis(1-Chloropropane)	45	5.182	5.179	(1.070)	784305	31.4528	34
	16	2-Methylphenol	108	5.176	5.182	(1.069)	506399	27.0217	29
	17	Hexachloroethane	117	5.384	5.384	(1.112)	241655	23.7106	25
	18	N-Nitroso-di-n-propylamine	70	5.328	5.328	(1.100)	509796	32.3743	35
	19	4-Methylphenol	108	5.356	5.350	(1.106)	1008517	49.2664	53
*	20	Naphthalene-d8	136	6.211	6.211	(1.000)	1289093	20.0000	
$	21	Nitrobenzene-d5	82	5.452	5.452	(0.878)	887815	38.7724	42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)
	22 Nitrobenzene	77	5.474	5.474	(0.881)	732691	31.4664	34
	23 Isophorone	82	5.741	5.744	(0.924)	1462852	34.0865	37
	24 2-Nitrophenol	139	5.813	5.813	(0.936)	403192	31.6106	34
	25 2,4-Dimethylphenol	122	5.906	5.906	(0.951)	617671	33.3248	36
	26 Benzoic Acid	122	6.052	6.089	(0.974)	193429	16.0436	17
	27 Bis(2-Chloroethoxy)methane	93	5.993	5.996	(0.965)	870883	32.2763	35
	28 2,4-Dichlorophenol	162	6.083	6.083	(0.979)	589626	32.2935	35
	29 1,2,4-Trichlorobenzene	180	6.158	6.158	(0.991)	548087	27.2241	29
	30 Naphthalene	128	6.233	6.232	(1.004)	1944949	29.4803	32
	31 4-Chloroaniline	127	6.310	6.310	(1.016)	832922	31.1209	33
	32 Hexachlorobutadiene	225	6.388	6.388	(1.029)	288280	25.3352	27
	33 4-Chloro-3-methylphenol	107	6.854	6.860	(1.104)	718142	34.9818	38
	34 2-Methylnaphthalene	142	6.972	6.975	(1.123)	1415676	31.2351	34
*	35 Acenaphthene-d10	164	8.076	8.072	(1.000)	818782	20.0000	
	37 Hexachlorocyclopentadiene	237	7.153	7.156	(0.886)	259013	21.6826	23
	38 2,4,6-Trichlorophenol	196	7.286	7.289	(0.902)	493598	35.4202	38
	39 2,4,5-Trichlorophenol	196	7.324	7.330	(0.907)	532099	36.4654	39
$	40 2-Fluorobiphenyl	172	7.376	7.376	(0.913)	1905599	38.9536	42
	41 2-Chloronaphthalene	162	7.485	7.488	(0.927)	1414916	32.1912	35
	42 2-Nitroaniline	65	7.613	7.612	(0.943)	506843	37.8594	41
	43 Acenaphthylene	152	7.926	7.923	(0.982)	2492195	33.5529	36
	44 Dimethylphthalate	163	7.833	7.824	(0.970)	1861891	35.7542	38
	45 2,6-Dinitrotoluene	165	7.880	7.877	(0.976)	455316	36.8659	40
	46 Acenaphthene	153	8.113	8.113	(1.005)	1571507	34.0757	37
	47 3-Nitroaniline	138	8.054	8.051	(0.997)	451378	33.4166	36
	48 2,4-Dinitrophenol	184	8.160	8.156	(1.010)	221233	29.5497	32
	49 Dibenzofuran	168	8.296	8.296	(1.027)	2202677	34.6412	37
	50 2,4-Dinitrotoluene	165	8.303	8.299	(1.028)	607638	36.9044	40
	51 4-Nitrophenol	109	8.259	8.259	(1.023)	117212	17.2844	18
	52 Fluorene	166	8.660	8.657	(1.072)	1852831	35.8492	38
	53 4-Chlorophenyl-phenylether	204	8.669	8.666	(1.074)	862928	34.9670	38
	54 Diethylphthalate	149	8.573	8.573	(1.062)	2023760	37.1928	40
	55 4-Nitroaniline	138	8.710	8.710	(1.079)	484074	36.3915	39
$	56 2,4,6-Tribromophenol	330	8.918	8.915	(1.104)	533992	71.2981	77
*	57 Phenanthrene-d10	188	9.645	9.645	(1.000)	1395323	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.735	8.734	(0.906)	318949	33.0683	36
	59 N-Nitrosodiphenylamine (1)	169	8.803	8.800	(0.913)	1430779	35.8866	38
	60 1,2-Diphenylhydrazine	77	8.837	8.837	(0.916)	2124370	36.0346	39
	61 4-Bromophenyl-phenylether	248	9.182	9.182	(0.952)	523354	35.4318	38
	62 Hexachlorobenzene	284	9.247	9.247	(0.959)	551569	34.5392	37
	63 Pentachlorophenol	266	9.459	9.459	(0.981)	371032	39.6258	43
	64 Phenanthrene	178	9.673	9.673	(1.003)	2827624	36.0115	39
	65 Carbazole	167	9.906	9.903	(1.027)	2747186	37.5750	40
	66 Anthracene	178	9.726	9.726	(1.008)	2919814	36.6099	39
	67 Di-n-butylphthalate	149	10.292	10.292	(1.067)	3683889	39.0605	42
	68 Fluoranthene	202	10.932	10.929	(1.133)	3112354	37.8040	41
*	70 Chrysene-d12	240	12.533	12.529	(1.000)	1188568	20.0000	
	72 Pyrene	202	11.168	11.165	(0.891)	3110862	37.6861	40
$	73 Terphenyl-d14	244	11.342	11.339	(0.905)	2678573	48.7627	52
	74 Butylbenzylphthalate	149	11.874	11.867	(0.947)	1592166	43.4038	47
	75 3,3'-Dichlorobenzidine	252	12.489	12.492	(0.997)	110576	5.68736	6
	76 Benzo(a)anthracene	228	12.517	12.514	(0.999)	2462479	35.6645	38
	77 Chrysene	228	12.567	12.567	(1.003)	2316024	34.9467	38
	78 Bis(2-Ethylhexyl)phthalate	149	12.570	12.567	(1.003)	1973780	47.0123	50

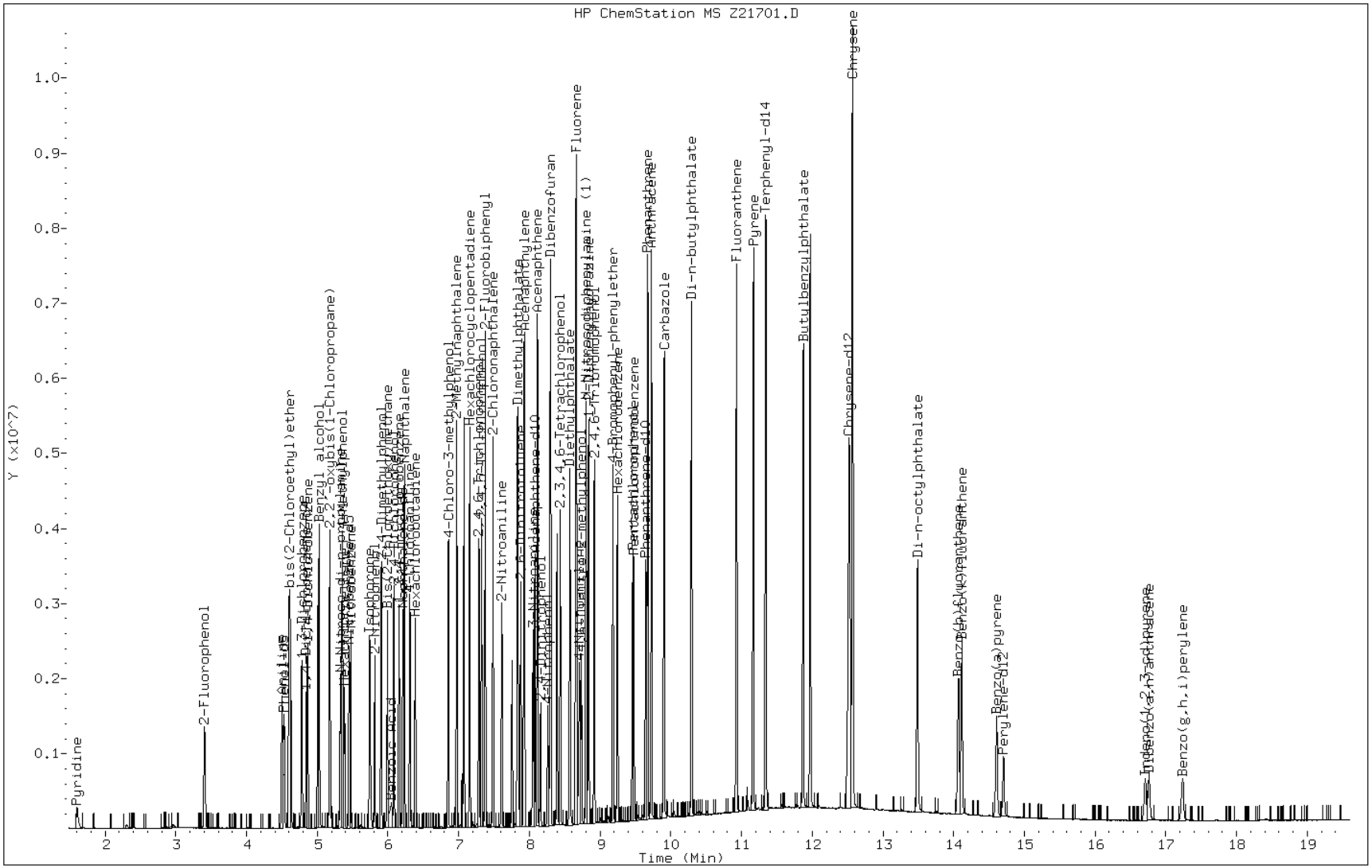
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)
*	79 Perylene-d12	264	14.705	14.708	(1.000)	457502	20.0000	
	80 Di-n-octylphthalate	149	13.487	13.487	(0.917)	2438049	69.0988	74
	81 Benzo(b)fluoranthene	252	14.071	14.074	(0.957)	1243336	43.1323	46
	82 Benzo(k)fluoranthene	252	14.115	14.124	(0.960)	1326698	44.8358	48
	83 Benzo(a)pyrene	252	14.609	14.615	(0.993)	833818	37.4632	40
	84 Indeno(1,2,3-cd)pyrene	276	16.710	16.710	(1.136)	448655	37.0120	40
	85 Dibenzo(a,h)anthracene	278	16.763	16.763	(1.140)	435777	38.4410	41
	86 Benzo(g,h,i)perylene	276	17.238	17.238	(1.172)	464979	38.4350	41
	103 1,2,4,5-Tetrachlorobenzene	216	7.156	7.156	(0.886)	583092	65.1143	70
	109 2,3,4,6-Tetrachlorophenol	232	8.436	8.436	(1.045)	436356	41.7991	45
	119 Pentachloronitrobenzene	237	9.477	9.474	(0.983)	235031	37.2684	40

Data File: Z21701.D

Date: 18-JUL-2011 15:43

Client ID: MW-10 Instrument: msz.i

Sample Info: 220-15975-E-8-BMS Operator: S.Jonas



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-10 MSD | Lab Sample ID: 220-15975-8 MSD

Matrix: Water | Lab File ID: Z21702.D

Analysis Method: 8270C | Date Collected: 07/11/2011 15:00

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 950(mL) | Date Analyzed: 07/18/2011 16:11

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	35.9		4.2	0.33
208-96-8	Acenaphthylene	35.4		4.2	0.36
120-12-7	Anthracene	38.6		4.2	0.31
56-55-3	Benzo[a]anthracene	37.5		4.2	0.32
50-32-8	Benzo[a]pyrene	39.5		4.2	0.37
205-99-2	Benzo[b]fluoranthene	45.3		4.2	0.38
191-24-2	Benzo[g,h,i]perylene	42.3		4.2	0.38
207-08-9	Benzo[k]fluoranthene	46.7		4.2	0.42
111-91-1	Bis(2-chloroethoxy)methane	33.7		4.2	0.33
111-44-4	Bis(2-chloroethyl)ether	30.8		4.2	0.31
117-81-7	Bis(2-ethylhexyl) phthalate	50.5		4.2	0.57
85-68-7	Butyl benzyl phthalate	46.8		4.2	0.37
86-74-8	Carbazole	39.8		4.2	0.35
218-01-9	Chrysene	37.1		4.2	0.26
84-74-2	Di-n-butyl phthalate	41.1		4.2	0.37
117-84-0	Di-n-octyl phthalate	72.8		4.2	0.40
101-55-3	4-Bromophenyl phenyl ether	37.1		4.2	0.46
106-47-8	4-Chloroaniline	32.4		4.2	0.31
91-58-7	2-Chloronaphthalene	33.7		4.2	0.41
7005-72-3	4-Chlorophenyl phenyl ether	37.0		4.2	0.37
53-70-3	Dibenz(a,h)anthracene	44.2		4.2	0.40
132-64-9	Dibenzofuran	36.6		4.2	0.45
84-66-2	Diethyl phthalate	39.7		4.2	0.45
131-11-3	Dimethyl phthalate	37.6		4.2	0.40
95-50-1	1,2-Dichlorobenzene	26.4		4.2	0.33
541-73-1	1,3-Dichlorobenzene	25.9		4.2	0.26
106-46-7	1,4-Dichlorobenzene	26.0		4.2	0.33
91-94-1	3,3'-Dichlorobenzidine	6.43		4.2	0.38
121-14-2	2,4-Dinitrotoluene	39.1		4.2	0.42
606-20-2	2,6-Dinitrotoluene	39.2		4.2	0.27
206-44-0	Fluoranthene	39.8		4.2	0.33
86-73-7	Fluorene	38.0		4.2	0.27
118-74-1	Hexachlorobenzene	36.3		4.2	0.35
87-68-3	Hexachlorobutadiene	26.3		4.2	0.21

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-10 MSD | Lab Sample ID: 220-15975-8 MSD

Matrix: Water | Lab File ID: Z21702.D

Analysis Method: 8270C | Date Collected: 07/11/2011 15:00

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 950(mL) | Date Analyzed: 07/18/2011 16:11

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
77-47-4	Hexachlorocyclopentadiene	22.6		4.2	0.37
67-72-1	Hexachloroethane	24.9		4.2	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	41.2		4.2	0.29
78-59-1	Isophorone	35.4		4.2	0.33
91-57-6	2-Methylnaphthalene	32.2		4.2	0.28
91-20-3	Naphthalene	30.8		4.2	0.32
88-74-4	2-Nitroaniline	40.4		4.2	0.36
99-09-2	3-Nitroaniline	35.3		4.2	0.24
98-95-3	Nitrobenzene	32.7		4.2	0.29
621-64-7	N-Nitrosodi-n-propylamine	33.7		4.2	0.35
86-30-6	N-Nitrosodiphenylamine	37.5		4.2	0.35
85-01-8	Phenanthrene	37.9		4.2	0.29
129-00-0	Pyrene	41.3		4.2	0.35
120-82-1	1,2,4-Trichlorobenzene	28.2		4.2	0.38
59-50-7	4-Chloro-3-methylphenol	36.6		5.3	0.36
95-57-8	2-Chlorophenol	28.4		4.2	0.24
95-48-7	2-Methylphenol	27.0		4.2	0.25
106-44-5	4-Methylphenol	49.8		4.2	0.31
120-83-2	2,4-Dichlorophenol	33.7		4.2	0.35
105-67-9	2,4-Dimethylphenol	35.0		4.2	0.35
51-28-5	2,4-Dinitrophenol	31.5		26	0.45
534-52-1	4,6-Dinitro-2-methylphenol	35.8		26	2.0
88-75-5	2-Nitrophenol	33.2		4.2	0.28
100-02-7	4-Nitrophenol	17.1		11	1.5
87-86-5	Pentachlorophenol	41.7		26	0.33
108-95-2	Phenol	12.0		4.2	0.20
95-95-4	2,4,5-Trichlorophenol	38.2		11	0.29
88-06-2	2,4,6-Trichlorophenol	37.2		4.2	0.39
100-51-6	Benzyl alcohol	25.9		4.2	0.43
100-01-6	4-Nitroaniline	38.6		4.2	0.21
108-60-1	2,2'-oxybis[1-chloropropane]	32.8		4.2	0.26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Client Sample ID: MW-10 MSD | Lab Sample ID: 220-15975-8 MSD

Matrix: Water | Lab File ID: Z21702.D

Analysis Method: 8270C | Date Collected: 07/11/2011 15:00

Extract. Method: 3510C | Date Extracted: 07/14/2011 13:55

Sample wt/vol: 950(mL) | Date Analyzed: 07/18/2011 16:11

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 52963 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	79		39-120
367-12-4	2-Fluorophenol	40		13-120
118-79-6	2,4,6-Tribromophenol	98		36-120
4165-60-0	Nitrobenzene-d5	78		40-120
4165-62-2	Phenol-d5	28		10-120
1718-51-0	Terphenyl-d14	102		10-120

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\Z21702.D
Lab Smp Id: 220-15975-E-8-C MSD Client Smp ID: MW-10
Inj Date : 18-JUL-2011 16:11
Operator : S.Jonas Inst ID: msz.i
Smp Info : 220-15975-E-8-CMSD
Misc Info : 220-15975-E-8-C MSD
Comment :
Method : \\Consvr05\Files\Chem\BNA\msz.i\Z1121680.b\MSZ-8270C.m
Meth Date : 18-Jul-2011 08:04 stephan Quant Type: ISTD
Cal Date : 23-JUN-2011 08:38 Cal File: Z21499.D
Als bottle: 18 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	950.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/L)
*	1	1,4-Dichlorobenzene-d4	152	4.846	4.846	(1.000)	277699	20.0000	
$	2	2-Fluorophenol	112	3.407	3.401	(0.703)	474616	30.1402	32
$	3	Phenol-d5	99	4.526	4.526	(0.934)	473255	20.7582	22
	4	Pyridine	52	1.607	1.601	(0.332)	70780	16.0885	17
	5	N-Nitrosodimethylamine	42	1.595	1.592	(0.329)	62692	18.4184	19
	7	Phenol	94	4.538	4.542	(0.937)	277504	11.4444	12
	8	Aniline	93	4.501	4.501	(0.929)	690812	24.8514	26
	9	bis(2-Chloroethyl)ether	63	4.597	4.598	(0.949)	426216	29.2480	31
	10	2-Chlorophenol	128	4.629	4.626	(0.955)	564032	26.9551	28
	11	1,3-Dichlorobenzene	146	4.781	4.781	(0.987)	576943	24.6314	26
	12	1,4-Dichlorobenzene	146	4.865	4.865	(1.004)	594815	24.6586	26
	13	Benzyl alcohol	108	5.029	5.033	(1.038)	292945	24.6252	26
	14	1,2-Dichlorobenzene	146	5.026	5.026	(1.037)	558517	25.1215	26
	15	2,2'-oxybis(1-Chloropropane)	45	5.185	5.179	(1.070)	769319	31.2017	33
	16	2-Methylphenol	108	5.176	5.182	(1.068)	474483	25.6058	27
	17	Hexachloroethane	117	5.384	5.384	(1.111)	238194	23.6360	25
	18	N-Nitroso-di-n-propylamine	70	5.328	5.328	(1.099)	497934	31.9796	34
	19	4-Methylphenol	108	5.356	5.350	(1.105)	957583	47.3087	50
*	20	Naphthalene-d8	136	6.211	6.211	(1.000)	1266047	20.0000	
$	21	Nitrobenzene-d5	82	5.452	5.452	(0.878)	880563	39.1557	41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)
	22 Nitrobenzene	77	5.474	5.474	(0.881)	711078	31.0941	33
	23 Isophorone	82	5.744	5.744	(0.925)	1415944	33.5940	35
	24 2-Nitrophenol	139	5.816	5.813	(0.936)	395100	31.5401	33
	25 2,4-Dimethylphenol	122	5.906	5.906	(0.951)	605118	33.2418	35
	26 Benzoic Acid	122	6.046	6.089	(0.973)	174925	14.7729	16
	27 Bis(2-Chloroethoxy)methane	93	5.996	5.996	(0.965)	847173	31.9691	34
	28 2,4-Dichlorophenol	162	6.083	6.083	(0.979)	574382	32.0312	34
	29 1,2,4-Trichlorobenzene	180	6.161	6.158	(0.992)	530522	26.8313	28
	30 Naphthalene	128	6.232	6.232	(1.004)	1897881	29.2906	31
	31 4-Chloroaniline	127	6.313	6.310	(1.017)	809094	30.7809	32
	32 Hexachlorobutadiene	225	6.388	6.388	(1.029)	279146	24.9790	26
	33 4-Chloro-3-methylphenol	107	6.854	6.860	(1.104)	701654	34.8008	37
	34 2-Methylnaphthalene	142	6.975	6.975	(1.123)	1361027	30.5759	32
*	35 Acenaphthene-d10	164	8.079	8.072	(1.000)	798026	20.0000	
	37 Hexachlorocyclopentadiene	237	7.155	7.156	(0.886)	249440	21.4243	22
	38 2,4,6-Trichlorophenol	196	7.289	7.289	(0.902)	479370	35.2940	37
	39 2,4,5-Trichlorophenol	196	7.323	7.330	(0.907)	516474	36.3152	38
$	40 2-Fluorobiphenyl	172	7.379	7.376	(0.913)	1885593	39.5471	42
	41 2-Chloronaphthalene	162	7.488	7.488	(0.927)	1373128	32.0531	34
	42 2-Nitroaniline	65	7.612	7.612	(0.942)	500363	38.3474	40
	43 Acenaphthylene	152	7.926	7.923	(0.981)	2435768	33.6461	35
	44 Dimethylphthalate	163	7.833	7.824	(0.970)	1814356	35.7476	38
	45 2,6-Dinitrotoluene	165	7.880	7.877	(0.975)	448168	37.2309	39
	46 Acenaphthene	153	8.116	8.113	(1.005)	1534356	34.1355	36
	47 3-Nitroaniline	138	8.057	8.051	(0.997)	441942	33.5690	35
	48 2,4-Dinitrophenol	184	8.159	8.156	(1.010)	218688	29.9006	31
	49 Dibenzofuran	168	8.299	8.296	(1.027)	2153499	34.7487	36
	50 2,4-Dinitrotoluene	165	8.305	8.299	(1.028)	596742	37.1853	39
	51 4-Nitrophenol	109	8.259	8.259	(1.022)	107404	16.2500	17
	52 Fluorene	166	8.660	8.657	(1.072)	1820304	36.1359	38
	53 4-Chlorophenyl-phenylether	204	8.669	8.666	(1.073)	844507	35.1106	37
	54 Diethylphthalate	149	8.573	8.573	(1.061)	1998524	37.6843	40
	55 4-Nitroaniline	138	8.709	8.710	(1.078)	475924	36.7094	39
$	56 2,4,6-Tribromophenol	330	8.921	8.915	(1.104)	536659	73.5179	77
*	57 Phenanthrene-d10	188	9.648	9.645	(1.000)	1378967	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.737	8.734	(0.906)	324237	34.0153	36
	59 N-Nitrosodiphenylamine (1)	169	8.806	8.800	(0.913)	1402603	35.5971	37
	60 1,2-Diphenylhydrazine	77	8.840	8.837	(0.916)	2084903	35.7846	38
	61 4-Bromophenyl-phenylether	248	9.185	9.182	(0.952)	514598	35.2523	37
	62 Hexachlorobenzene	284	9.250	9.247	(0.959)	543625	34.4456	36
	63 Pentachlorophenol	266	9.462	9.459	(0.981)	367031	39.6595	42
	64 Phenanthrene	178	9.676	9.673	(1.003)	2794080	36.0063	38
	65 Carbazole	167	9.906	9.903	(1.027)	2728837	37.7668	40
	66 Anthracene	178	9.729	9.726	(1.008)	2890396	36.6709	39
	67 Di-n-butylphthalate	149	10.295	10.292	(1.067)	3640318	39.0563	41
	68 Fluoranthene	202	10.932	10.929	(1.133)	3074047	37.7816	40
*	70 Chrysene-d12	240	12.536	12.529	(1.000)	1139175	20.0000	
	72 Pyrene	202	11.171	11.165	(0.891)	3101849	39.2062	41
$	73 Terphenyl-d14	244	11.345	11.339	(0.905)	2685952	51.0172	54
	74 Butylbenzylphthalate	149	11.874	11.867	(0.947)	1561505	44.4136	47
	75 3,3'-Dichlorobenzidine	252	12.492	12.492	(0.997)	113787	6.10628	6
	76 Benzo(a)anthracene	228	12.520	12.514	(0.999)	2360287	35.6666	38
	77 Chrysene	228	12.570	12.567	(1.003)	2238520	35.2418	37
	78 Bis(2-Ethylhexyl)phthalate	149	12.573	12.567	(1.003)	1930094	47.9651	50

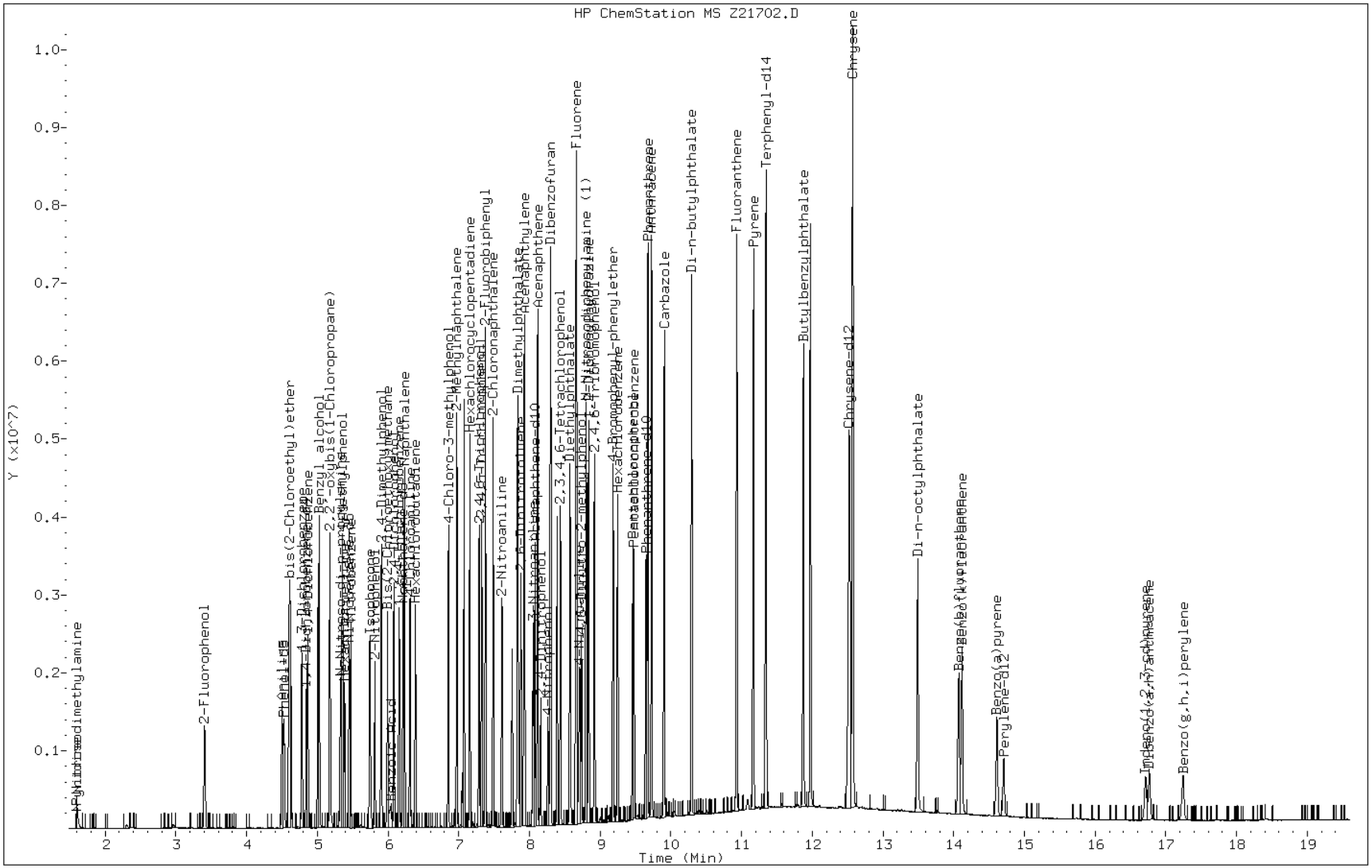
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)
*	79 Perylene-d12	264	14.708	14.708	(1.000)	437568	20.0000	
	80 Di-n-octylphthalate	149	13.490	13.487	(0.917)	2333308	69.1278	73
	81 Benzo(b)fluoranthene	252	14.071	14.074	(0.957)	1185368	42.9947	45
	82 Benzo(k)fluoranthene	252	14.118	14.124	(0.960)	1256459	44.3965	47
	83 Benzo(a)pyrene	252	14.612	14.615	(0.993)	798866	37.5279	40
	84 Indeno(1,2,3-cd)pyrene	276	16.716	16.710	(1.137)	453876	39.1485	41
	85 Dibenzo(a,h)anthracene	278	16.769	16.763	(1.140)	455277	41.9908	44
	86 Benzo(g,h,i)perylene	276	17.244	17.238	(1.172)	464501	40.1446	42
	103 1,2,4,5-Tetrachlorobenzene	216	7.159	7.156	(0.886)	577210	66.1340	70
	109 2,3,4,6-Tetrachlorophenol	232	8.439	8.436	(1.045)	426929	41.9598	44
	119 Pentachloronitrobenzene	237	9.477	9.474	(0.982)	234061	37.5548	40

Data File: Z21702.D

Date: 18-JUL-2011 16:11

Client ID: MW-10 Instrument: msz.i

Sample Info: 220-15975-E-8-CMSD Operator: S.Jonas



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: MSC Start Date: 07/14/2011 11:14

Analysis Batch Number: 52890 End Date: 07/14/2011 22:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 220-52890/21		07/14/2011 11:14	1	Cs24248.D	ZB-5MS 0.25(mm)
ICIS 220-52890/1		07/14/2011 12:05	1	C24250.D	ZB-5MS 0.25(mm)
IC 220-52890/2		07/14/2011 12:36	1	C24251.D	ZB-5MS 0.25(mm)
IC 220-52890/3		07/14/2011 13:06	1	C24252.D	ZB-5MS 0.25(mm)
IC 220-52890/4		07/14/2011 13:36	1	C24253.D	ZB-5MS 0.25(mm)
IC 220-52890/5		07/14/2011 14:07	1	C24254.D	ZB-5MS 0.25(mm)
IC 220-52890/6		07/14/2011 14:37	1	C24255.D	ZB-5MS 0.25(mm)
IC 220-52890/7		07/14/2011 15:08	1	C24256.D	ZB-5MS 0.25(mm)
ZZZZZ		07/14/2011 16:09	1		ZB-5MS 0.25(mm)
ZZZZZ		07/14/2011 16:39	1		ZB-5MS 0.25(mm)
ZZZZZ		07/14/2011 17:10	1		ZB-5MS 0.25(mm)
ZZZZZ		07/14/2011 17:40	1		ZB-5MS 0.25(mm)
ZZZZZ		07/14/2011 18:11	1		ZB-5MS 0.25(mm)
ZZZZZ		07/14/2011 18:41	1		ZB-5MS 0.25(mm)
ZZZZZ		07/14/2011 19:11	1		ZB-5MS 0.25(mm)
ZZZZZ		07/14/2011 19:42	1		ZB-5MS 0.25(mm)
ZZZZZ		07/14/2011 20:12	1		ZB-5MS 0.25(mm)
ZZZZZ		07/14/2011 20:42	1		ZB-5MS 0.25(mm)
ZZZZZ		07/14/2011 21:13	2		ZB-5MS 0.25(mm)
ZZZZZ		07/14/2011 21:44	1		ZB-5MS 0.25(mm)
ZZZZZ		07/14/2011 22:14	1		ZB-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: MSC Start Date: 07/18/2011 11:18

Analysis Batch Number: 53011 End Date: 07/18/2011 21:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 220-53011/21		07/18/2011 11:18	1	Cs24300.D	ZB-5MS 0.25(mm)
CCVIS 220-53011/4		07/18/2011 11:39	1	C24301.D	ZB-5MS 0.25(mm)
MB 220-52864/1-A		07/18/2011 12:09	1	C24302.D	ZB-5MS 0.25(mm)
LCS 220-52864/2-A		07/18/2011 12:43	1	C24304.D	ZB-5MS 0.25(mm)
ZZZZZ		07/18/2011 13:13	1		ZB-5MS 0.25(mm)
ZZZZZ		07/18/2011 13:44	1		ZB-5MS 0.25(mm)
ZZZZZ		07/18/2011 14:14	1		ZB-5MS 0.25(mm)
ZZZZZ		07/18/2011 14:45	1		ZB-5MS 0.25(mm)
ZZZZZ		07/18/2011 15:16	1		ZB-5MS 0.25(mm)
ZZZZZ		07/18/2011 15:46	1		ZB-5MS 0.25(mm)
ZZZZZ		07/18/2011 16:17	1		ZB-5MS 0.25(mm)
ZZZZZ		07/18/2011 16:48	1		ZB-5MS 0.25(mm)
ZZZZZ		07/18/2011 17:19	2		ZB-5MS 0.25(mm)
ZZZZZ		07/18/2011 17:50	4		ZB-5MS 0.25(mm)
ZZZZZ		07/18/2011 20:54	10		ZB-5MS 0.25(mm)
ZZZZZ		07/18/2011 21:24	1		ZB-5MS 0.25(mm)
ZZZZZ		07/18/2011 21:55	1		ZB-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: MSC Start Date: 07/19/2011 10:45

Analysis Batch Number: 53063 End Date: 07/19/2011 21:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 220-53063/21		07/19/2011 10:45	1	Cs24329.D	ZB-5MS 0.25(mm)
CCVIS 220-53063/1		07/19/2011 11:01	1	C24330.D	ZB-5MS 0.25(mm)
ZZZZZ		07/19/2011 11:34	1		ZB-5MS 0.25(mm)
ZZZZZ		07/19/2011 12:36	1		ZB-5MS 0.25(mm)
ZZZZZ		07/19/2011 13:07	1		ZB-5MS 0.25(mm)
ZZZZZ		07/19/2011 13:37	1		ZB-5MS 0.25(mm)
ZZZZZ		07/19/2011 14:08	1		ZB-5MS 0.25(mm)
ZZZZZ		07/19/2011 14:39	1		ZB-5MS 0.25(mm)
ZZZZZ		07/19/2011 15:10	1		ZB-5MS 0.25(mm)
ZZZZZ		07/19/2011 15:41	1		ZB-5MS 0.25(mm)
ZZZZZ		07/19/2011 16:12	1		ZB-5MS 0.25(mm)
ZZZZZ		07/19/2011 16:43	1		ZB-5MS 0.25(mm)
ZZZZZ		07/19/2011 17:14	1		ZB-5MS 0.25(mm)
ZZZZZ		07/19/2011 17:45	1		ZB-5MS 0.25(mm)
ZZZZZ		07/19/2011 18:16	1		ZB-5MS 0.25(mm)
ZZZZZ		07/19/2011 18:46	1		ZB-5MS 0.25(mm)
ZZZZZ		07/19/2011 19:17	1		ZB-5MS 0.25(mm)
ZZZZZ		07/19/2011 19:48	1		ZB-5MS 0.25(mm)
220-15975-6	MW-3	07/19/2011 20:19	1	C24348.D	ZB-5MS 0.25(mm)
220-15975-7	MW-2	07/19/2011 20:50	1	C24349.D	ZB-5MS 0.25(mm)
220-15975-9	MW-1	07/19/2011 21:21	1	C24350.D	ZB-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: MSZ Start Date: 06/23/2011 07:47

Analysis Batch Number: 52244 End Date: 06/23/2011 17:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 220-52244/8		06/23/2011 07:47	1	Zs21497.D	RXi-5MS 0.25(mm)
ICIS 220-52244/1		06/23/2011 08:38	1	Z21499.D	RXi-5MS 0.25(mm)
IC 220-52244/2		06/23/2011 13:40	1	Z21500.D	RXi-5MS 0.25(mm)
IC 220-52244/3		06/23/2011 14:08	1	Z21501.D	RXi-5MS 0.25(mm)
IC 220-52244/4		06/23/2011 14:35	1	Z21502.D	RXi-5MS 0.25(mm)
IC 220-52244/5		06/23/2011 15:03	1	Z21503.D	RXi-5MS 0.25(mm)
IC 220-52244/6		06/23/2011 15:31	1	Z21504.D	RXi-5MS 0.25(mm)
IC 220-52244/7		06/23/2011 15:59	1	Z21505.D	RXi-5MS 0.25(mm)
ZZZZZ		06/23/2011 16:55	1		RXi-5MS 0.25(mm)
ZZZZZ		06/23/2011 17:23	1		RXi-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: MSZ Start Date: 07/18/2011 07:25

Analysis Batch Number: 52963 End Date: 07/18/2011 17:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 220-52963/5		07/18/2011 07:25	1	Zs21682.D	RXi-5MS 0.25(mm)
CCVIS 220-52963/1		07/18/2011 07:40	1	Z21683.D	RXi-5MS 0.25(mm)
ZZZZZ		07/18/2011 08:09	1		RXi-5MS 0.25(mm)
ZZZZZ		07/18/2011 08:37	1		RXi-5MS 0.25(mm)
ZZZZZ		07/18/2011 09:06	1		RXi-5MS 0.25(mm)
ZZZZZ		07/18/2011 11:27	1		RXi-5MS 0.25(mm)
220-15975-1	FB 0711	07/18/2011 11:56	1	Z21692.D	RXi-5MS 0.25(mm)
220-15975-2	MW-9	07/18/2011 12:25	1	Z21693.D	RXi-5MS 0.25(mm)
220-15975-3	MW-4	07/18/2011 12:53	1	Z21695.D	RXi-5MS 0.25(mm)
220-15975-4	MW-4D	07/18/2011 13:22	1	Z21696.D	RXi-5MS 0.25(mm)
220-15975-5	MW-7	07/18/2011 13:50	1	Z21697.D	RXi-5MS 0.25(mm)
220-15975-8	MW-10	07/18/2011 15:14	1	Z21700.D	RXi-5MS 0.25(mm)
220-15975-8 MS	MW-10 MS	07/18/2011 15:43	1	Z21701.D	RXi-5MS 0.25(mm)
220-15975-8 MSD	MW-10 MSD	07/18/2011 16:11	1	Z21702.D	RXi-5MS 0.25(mm)
220-15975-10	MW-6	07/18/2011 17:07	1	Z21704.D	RXi-5MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Batch Number: 52864 Batch Start Date: 07/14/11 13:55 Batch Analyst: Faiella, Tim

Batch Method: 3510C Batch End Date: 07/15/11 16:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	EWBNAFMS 00046
MB 220-52864/1		3510C, 8270C		7	1000 mL	1.0 mL	2	12	
LCS 220-52864/2		3510C, 8270C		7	1000 mL	1.0 mL	2	12	400 uL
220-15975-E-1	FB 0711	3510C, 8270C	T	5	920 mL	1.0 mL	2	12	
220-15975-E-2	MW-9	3510C, 8270C	T	5	940 mL	1.0 mL	2	12	
220-15975-E-3	MW-4	3510C, 8270C	T	5	910 mL	1.0 mL	2	12	
220-15975-E-4	MW-4D	3510C, 8270C	T	5	960 mL	1.0 mL	2	12	
220-15975-E-5	MW-7	3510C, 8270C	T	5	960 mL	1.0 mL	2	12	
220-15975-E-6	MW-3	3510C, 8270C	T	6	960 mL	1.0 mL	2	12	
220-15975-E-7	MW-2	3510C, 8270C	T	6	960 mL	1.0 mL	2	12	
220-15975-E-8	MW-10	3510C, 8270C	T	6	950 mL	1.0 mL	2	12	
220-15975-E-8 MS	MW-10	3510C, 8270C	T	6	930 mL	1.0 mL	2	12	400 uL
220-15975-E-8 MSD	MW-10	3510C, 8270C	T	6	950 mL	1.0 mL	2	12	400 uL
220-15975-E-9	MW-1	3510C, 8270C	T	6	960 mL	1.0 mL	2	12	
220-15975-E-10	MW-6	3510C, 8270C	T	6	960 mL	1.0 mL	2	12	

Lab Sample ID	Client Sample ID	Method Chain	Basis	EWBNASUR 00072	EWRCPLCS 00023				
MB 220-52864/1		3510C, 8270C		500 uL					
LCS 220-52864/2		3510C, 8270C		500 uL	400 uL				
220-15975-E-1	FB 0711	3510C, 8270C	T	500 uL					
220-15975-E-2	MW-9	3510C, 8270C	T	500 uL					
220-15975-E-3	MW-4	3510C, 8270C	T	500 uL					
220-15975-E-4	MW-4D	3510C, 8270C	T	500 uL					
220-15975-E-5	MW-7	3510C, 8270C	T	500 uL					
220-15975-E-6	MW-3	3510C, 8270C	T	500 uL					
220-15975-E-7	MW-2	3510C, 8270C	T	500 uL					
220-15975-E-8	MW-10	3510C, 8270C	T	500 uL					
220-15975-E-8 MS	MW-10	3510C, 8270C	T	500 uL	400 uL				
220-15975-E-8 MSD	MW-10	3510C, 8270C	T	500 uL	400 uL				
220-15975-E-9	MW-1	3510C, 8270C	T	500 uL					
220-15975-E-10	MW-6	3510C, 8270C	T	500 uL					

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Batch Number: 52864 Batch Start Date: 07/14/11 13:55 Batch Analyst: Faiella, Tim

Batch Method: 3510C Batch End Date: 07/15/11 16:35

Batch Notes	
Acid used for pH adjustment	h2so4
Acid used for pH adjust Lot #	wsulfacd-11
Base used for pH adjustment	naoh
Base used for pH adjust Lot #	enaoh-36
Person's name who did the concentration	Jen Capece
Na2SO4 Lot Number	ena2so4-112
Prep Solvent Lot #	ecmecl2-65
Prep Solvent Name	mecl2
Prep Solvent Volume Used	360 mL
Person's name who did the prep	tim faiella
Person's name who witnessed reagent drop	self

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Connecticut Job Number: 220-15975-1

SDG No.:

Project: IW Industries

Client Sample ID	Lab Sample ID
FB 0711	220-15975-1
MW-9	220-15975-2
MW-4	220-15975-3
MW-4D	220-15975-4
MW-7	220-15975-5
MW-3	220-15975-6
MW-2	220-15975-7
MW-10	220-15975-8
MW-1	220-15975-9
MW-6	220-15975-10

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: FB 0711 Lab Sample ID: 220-15975-1

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG ID.:

Matrix: Water Date Sampled: 07/11/2011 09:50

Reporting Basis: WET Date Received: 07/12/2011 19:35

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	5.0	5.0	0.25	ug/L	U		1	6010B
7429-90-5	Aluminum	250	250	10.0	ug/L	U		1	6010B
7440-38-2	Arsenic	5.0	15.0	4.0	ug/L	J		1	6010B
7440-39-3	Barium	5.0	5.0	0.25	ug/L	U		1	6010B
7440-41-7	Beryllium	5.0	5.0	0.25	ug/L	U		1	6010B
7440-70-2	Calcium	500	500	50.0	ug/L	U		1	6010B
7440-43-9	Cadmium	5.0	5.0	1.0	ug/L	U		1	6010B
7440-48-4	Cobalt	5.0	5.0	0.50	ug/L	U		1	6010B
7440-47-3	Chromium	5.0	5.0	0.50	ug/L	U		1	6010B
7440-50-8	Copper	10.0	10.0	1.5	ug/L	U		1	6010B
7439-89-6	Iron	125	125	15.0	ug/L	U		1	6010B
7440-09-7	Potassium	500	500	50.0	ug/L	U		1	6010B
7439-95-4	Magnesium	500	500	5.0	ug/L	U		1	6010B
7439-96-5	Manganese	8.0	8.0	0.25	ug/L	U		1	6010B
7440-23-5	Sodium	500	500	50.0	ug/L	U		1	6010B
7440-02-0	Nickel	5.0	5.0	1.0	ug/L	U		1	6010B
7439-92-1	Lead	15.0	15.0	2.5	ug/L	U		1	6010B
7440-36-0	Antimony	15.0	15.0	5.0	ug/L	U		1	6010B
7782-49-2	Selenium	38.0	38.0	12.5	ug/L	U		1	6010B
7440-28-0	Thallium	15.0	15.0	3.5	ug/L	U		1	6010B
7440-62-2	Vanadium	5.0	5.0	1.0	ug/L	U		1	6010B
7440-66-6	Zinc	25.0	25.0	5.0	ug/L	U		1	6010B
7439-97-6	Mercury	0.20	0.20	0.060	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-9 Lab Sample ID: 220-15975-2

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG ID.:

Matrix: Water Date Sampled: 07/11/2011 10:10

Reporting Basis: WET Date Received: 07/12/2011 19:35

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	5.0	5.0	0.25	ug/L	U		1	6010B
7429-90-5	Aluminum	2590	250	10.0	ug/L			1	6010B
7440-38-2	Arsenic	15.0	15.0	4.0	ug/L	U		1	6010B
7440-39-3	Barium	89.9	5.0	0.25	ug/L			1	6010B
7440-41-7	Beryllium	5.0	5.0	0.25	ug/L	U		1	6010B
7440-70-2	Calcium	13300	500	50.0	ug/L			1	6010B
7440-43-9	Cadmium	5.0	5.0	1.0	ug/L	U		1	6010B
7440-48-4	Cobalt	1.7	5.0	0.50	ug/L	J		1	6010B
7440-47-3	Chromium	1.9	5.0	0.50	ug/L	J		1	6010B
7440-50-8	Copper	6.4	10.0	1.5	ug/L	J		1	6010B
7439-89-6	Iron	107	125	15.0	ug/L	J		1	6010B
7440-09-7	Potassium	4580	500	50.0	ug/L			1	6010B
7439-95-4	Magnesium	2830	500	5.0	ug/L			1	6010B
7439-96-5	Manganese	81.6	8.0	0.25	ug/L			1	6010B
7440-23-5	Sodium	34500	500	50.0	ug/L			1	6010B
7440-02-0	Nickel	3.8	5.0	1.0	ug/L	J		1	6010B
7439-92-1	Lead	15.0	15.0	2.5	ug/L	U		1	6010B
7440-36-0	Antimony	15.0	15.0	5.0	ug/L	U		1	6010B
7782-49-2	Selenium	38.0	38.0	12.5	ug/L	U		1	6010B
7440-28-0	Thallium	15.0	15.0	3.5	ug/L	U		1	6010B
7440-62-2	Vanadium	5.0	5.0	1.0	ug/L	U		1	6010B
7440-66-6	Zinc	12.7	25.0	5.0	ug/L	J		1	6010B
7439-97-6	Mercury	0.20	0.20	0.060	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-4 Lab Sample ID: 220-15975-3

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG ID.:

Matrix: Water Date Sampled: 07/11/2011 10:55

Reporting Basis: WET Date Received: 07/12/2011 19:35

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	5.0	5.0	0.25	ug/L	U		1	6010B
7429-90-5	Aluminum	18.2	250	10.0	ug/L	J		1	6010B
7440-38-2	Arsenic	5.8	15.0	4.0	ug/L	J		1	6010B
7440-39-3	Barium	143	5.0	0.25	ug/L			1	6010B
7440-41-7	Beryllium	5.0	5.0	0.25	ug/L	U		1	6010B
7440-70-2	Calcium	17500	500	50.0	ug/L			1	6010B
7440-43-9	Cadmium	5.0	5.0	1.0	ug/L	U		1	6010B
7440-48-4	Cobalt	5.0	5.0	0.50	ug/L			1	6010B
7440-47-3	Chromium	5.0	5.0	0.50	ug/L	U		1	6010B
7440-50-8	Copper	10.0	10.0	1.5	ug/L	U		1	6010B
7439-89-6	Iron	14100	125	15.0	ug/L			1	6010B
7440-09-7	Potassium	2640	500	50.0	ug/L			1	6010B
7439-95-4	Magnesium	3860	500	5.0	ug/L			1	6010B
7439-96-5	Manganese	413	8.0	0.25	ug/L			1	6010B
7440-23-5	Sodium	29300	500	50.0	ug/L			1	6010B
7440-02-0	Nickel	3.7	5.0	1.0	ug/L	J		1	6010B
7439-92-1	Lead	15.0	15.0	2.5	ug/L	U		1	6010B
7440-36-0	Antimony	15.0	15.0	5.0	ug/L	U		1	6010B
7782-49-2	Selenium	38.0	38.0	12.5	ug/L	U		1	6010B
7440-28-0	Thallium	15.0	15.0	3.5	ug/L	U		1	6010B
7440-62-2	Vanadium	5.0	5.0	1.0	ug/L	U		1	6010B
7440-66-6	Zinc	25.0	25.0	5.0	ug/L	U		1	6010B
7439-97-6	Mercury	0.20	0.20	0.060	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-4D
Lab Sample ID: 220-15975-4
Lab Name: TestAmerica Connecticut
Job No.: 220-15975-1
SDG ID.:
Matrix: Water
Date Sampled: 07/11/2011 11:00
Reporting Basis: WET
Date Received: 07/12/2011 19:35

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	5.0	5.0	0.25	ug/L	U		1	6010B
7429-90-5	Aluminum	16.5	250	10.0	ug/L	J		1	6010B
7440-38-2	Arsenic	15.0	15.0	4.0	ug/L	U		1	6010B
7440-39-3	Barium	143	5.0	0.25	ug/L			1	6010B
7440-41-7	Beryllium	5.0	5.0	0.25	ug/L	U		1	6010B
7440-70-2	Calcium	17700	500	50.0	ug/L			1	6010B
7440-43-9	Cadmium	5.0	5.0	1.0	ug/L	U		1	6010B
7440-48-4	Cobalt	4.9	5.0	0.50	ug/L	J		1	6010B
7440-47-3	Chromium	5.0	5.0	0.50	ug/L	U		1	6010B
7440-50-8	Copper	10.0	10.0	1.5	ug/L	U		1	6010B
7439-89-6	Iron	14400	125	15.0	ug/L			1	6010B
7440-09-7	Potassium	2640	500	50.0	ug/L			1	6010B
7439-95-4	Magnesium	3890	500	5.0	ug/L			1	6010B
7439-96-5	Manganese	419	8.0	0.25	ug/L			1	6010B
7440-23-5	Sodium	30100	500	50.0	ug/L			1	6010B
7440-02-0	Nickel	3.3	5.0	1.0	ug/L	J		1	6010B
7439-92-1	Lead	15.0	15.0	2.5	ug/L	U		1	6010B
7440-36-0	Antimony	15.0	15.0	5.0	ug/L	U		1	6010B
7782-49-2	Selenium	38.0	38.0	12.5	ug/L	U		1	6010B
7440-28-0	Thallium	15.0	15.0	3.5	ug/L	U		1	6010B
7440-62-2	Vanadium	5.0	5.0	1.0	ug/L	U		1	6010B
7440-66-6	Zinc	25.0	25.0	5.0	ug/L	U		1	6010B
7439-97-6	Mercury	0.20	0.20	0.060	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-7 Lab Sample ID: 220-15975-5

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG ID.:

Matrix: Water Date Sampled: 07/11/2011 12:30

Reporting Basis: WET Date Received: 07/12/2011 19:35

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	5.0	5.0	0.25	ug/L	U		1	6010B
7429-90-5	Aluminum	453	250	10.0	ug/L			1	6010B
7440-38-2	Arsenic	4.8	15.0	4.0	ug/L	J		1	6010B
7440-39-3	Barium	77.1	5.0	0.25	ug/L			1	6010B
7440-41-7	Beryllium	5.0	5.0	0.25	ug/L	U		1	6010B
7440-70-2	Calcium	12500	500	50.0	ug/L			1	6010B
7440-43-9	Cadmium	5.0	5.0	1.0	ug/L	U		1	6010B
7440-48-4	Cobalt	5.0	5.0	0.50	ug/L	U		1	6010B
7440-47-3	Chromium	1.2	5.0	0.50	ug/L	J		1	6010B
7440-50-8	Copper	36.0	10.0	1.5	ug/L			1	6010B
7439-89-6	Iron	11100	125	15.0	ug/L			1	6010B
7440-09-7	Potassium	2230	500	50.0	ug/L			1	6010B
7439-95-4	Magnesium	4910	500	5.0	ug/L			1	6010B
7439-96-5	Manganese	128	8.0	0.25	ug/L			1	6010B
7440-23-5	Sodium	32200	500	50.0	ug/L			1	6010B
7440-02-0	Nickel	5.0	5.0	1.0	ug/L	U		1	6010B
7439-92-1	Lead	9.8	15.0	2.5	ug/L	J		1	6010B
7440-36-0	Antimony	15.0	15.0	5.0	ug/L	U		1	6010B
7782-49-2	Selenium	38.0	38.0	12.5	ug/L	U		1	6010B
7440-28-0	Thallium	15.0	15.0	3.5	ug/L	U		1	6010B
7440-62-2	Vanadium	1.8	5.0	1.0	ug/L	J		1	6010B
7440-66-6	Zinc	44.9	25.0	5.0	ug/L			1	6010B
7439-97-6	Mercury	0.20	0.20	0.060	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-3 Lab Sample ID: 220-15975-6

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG ID.:

Matrix: Water Date Sampled: 07/11/2011 12:55

Reporting Basis: WET Date Received: 07/12/2011 19:35

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	5.0	5.0	0.25	ug/L	U		1	6010B
7429-90-5	Aluminum	48.1	250	10.0	ug/L	J		1	6010B
7440-38-2	Arsenic	15.0	15.0	4.0	ug/L	U		1	6010B
7440-39-3	Barium	32.2	5.0	0.25	ug/L		B	1	6010B
7440-41-7	Beryllium	5.0	5.0	0.25	ug/L	U		1	6010B
7440-70-2	Calcium	24800	500	50.0	ug/L			1	6010B
7440-43-9	Cadmium	5.0	5.0	1.0	ug/L	U		1	6010B
7440-48-4	Cobalt	5.0	5.0	0.50	ug/L	U		1	6010B
7440-47-3	Chromium	5.0	5.0	0.50	ug/L	U		1	6010B
7440-50-8	Copper	2.8	10.0	1.5	ug/L	J		1	6010B
7439-89-6	Iron	23100	125	15.0	ug/L			1	6010B
7440-09-7	Potassium	3620	500	50.0	ug/L			1	6010B
7439-95-4	Magnesium	4700	500	5.0	ug/L			1	6010B
7439-96-5	Manganese	336	8.0	0.25	ug/L		B	1	6010B
7440-23-5	Sodium	23200	500	50.0	ug/L			1	6010B
7440-02-0	Nickel	5.0	5.0	1.0	ug/L	U		1	6010B
7439-92-1	Lead	15.0	15.0	2.5	ug/L	U		1	6010B
7440-36-0	Antimony	15.0	15.0	5.0	ug/L	U		1	6010B
7782-49-2	Selenium	38.0	38.0	12.5	ug/L	U		1	6010B
7440-28-0	Thallium	15.0	15.0	3.5	ug/L	U		1	6010B
7440-62-2	Vanadium	5.0	5.0	1.0	ug/L	U		1	6010B
7440-66-6	Zinc	25.0	25.0	5.0	ug/L	U		1	6010B
7439-97-6	Mercury	0.20	0.20	0.060	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-2 Lab Sample ID: 220-15975-7

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG ID.:

Matrix: Water Date Sampled: 07/11/2011 14:00

Reporting Basis: WET Date Received: 07/12/2011 19:35

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	5.0	5.0	0.25	ug/L	U		1	6010B
7429-90-5	Aluminum	46.9	250	10.0	ug/L	J		1	6010B
7440-38-2	Arsenic	15.0	15.0	4.0	ug/L	U		1	6010B
7440-39-3	Barium	51.7	5.0	0.25	ug/L		B	1	6010B
7440-41-7	Beryllium	5.0	5.0	0.25	ug/L	U		1	6010B
7440-70-2	Calcium	86300	500	50.0	ug/L			1	6010B
7440-43-9	Cadmium	5.0	5.0	1.0	ug/L	U		1	6010B
7440-48-4	Cobalt	1.2	5.0	0.50	ug/L	J		1	6010B
7440-47-3	Chromium	5.0	5.0	0.50	ug/L	U		1	6010B
7440-50-8	Copper	2.1	10.0	1.5	ug/L	J		1	6010B
7439-89-6	Iron	15900	125	15.0	ug/L			1	6010B
7440-09-7	Potassium	11100	500	50.0	ug/L			1	6010B
7439-95-4	Magnesium	7930	500	5.0	ug/L			1	6010B
7439-96-5	Manganese	300	8.0	0.25	ug/L		B	1	6010B
7440-23-5	Sodium	68100	500	50.0	ug/L			1	6010B
7440-02-0	Nickel	5.0	5.0	1.0	ug/L	U		1	6010B
7439-92-1	Lead	15.0	15.0	2.5	ug/L	U		1	6010B
7440-36-0	Antimony	15.0	15.0	5.0	ug/L	U		1	6010B
7782-49-2	Selenium	38.0	38.0	12.5	ug/L	U		1	6010B
7440-28-0	Thallium	15.0	15.0	3.5	ug/L	U		1	6010B
7440-62-2	Vanadium	2.4	5.0	1.0	ug/L	J		1	6010B
7440-66-6	Zinc	25.0	25.0	5.0	ug/L	U		1	6010B
7439-97-6	Mercury	0.20	0.20	0.060	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-10 Lab Sample ID: 220-15975-8

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG ID.:

Matrix: Water Date Sampled: 07/11/2011 15:00

Reporting Basis: WET Date Received: 07/12/2011 19:35

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	5.0	5.0	0.25	ug/L	U		1	6010B
7429-90-5	Aluminum	250	250	10.0	ug/L	U		1	6010B
7440-38-2	Arsenic	15.0	15.0	4.0	ug/L	U		1	6010B
7440-39-3	Barium	234	5.0	0.25	ug/L		B	1	6010B
7440-41-7	Beryllium	5.0	5.0	0.25	ug/L	U		1	6010B
7440-70-2	Calcium	13900	500	50.0	ug/L			1	6010B
7440-43-9	Cadmium	5.0	5.0	1.0	ug/L	U		1	6010B
7440-48-4	Cobalt	5.0	5.0	0.50	ug/L	U		1	6010B
7440-47-3	Chromium	5.0	5.0	0.50	ug/L	U		1	6010B
7440-50-8	Copper	10.0	10.0	1.5	ug/L	U		1	6010B
7439-89-6	Iron	37.0	125	15.0	ug/L	J		1	6010B
7440-09-7	Potassium	2500	500	50.0	ug/L			1	6010B
7439-95-4	Magnesium	3540	500	5.0	ug/L			1	6010B
7439-96-5	Manganese	82.5	8.0	0.25	ug/L		B	1	6010B
7440-23-5	Sodium	39900	500	50.0	ug/L			1	6010B
7440-02-0	Nickel	5.0	5.0	1.0	ug/L	U		1	6010B
7439-92-1	Lead	15.0	15.0	2.5	ug/L	U		1	6010B
7440-36-0	Antimony	15.0	15.0	5.0	ug/L	U		1	6010B
7782-49-2	Selenium	38.0	38.0	12.5	ug/L	U		1	6010B
7440-28-0	Thallium	15.0	15.0	3.5	ug/L	U		1	6010B
7440-62-2	Vanadium	5.0	5.0	1.0	ug/L	U		1	6010B
7440-66-6	Zinc	25.0	25.0	5.0	ug/L	U		1	6010B
7439-97-6	Mercury	0.20	0.20	0.060	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-1 Lab Sample ID: 220-15975-9

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG ID.:

Matrix: Water Date Sampled: 07/11/2011 15:40

Reporting Basis: WET Date Received: 07/12/2011 19:35

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	5.0	5.0	0.25	ug/L	U		1	6010B
7429-90-5	Aluminum	25.5	250	10.0	ug/L	J		1	6010B
7440-38-2	Arsenic	15.0	15.0	4.0	ug/L	U		1	6010B
7440-39-3	Barium	37.9	5.0	0.25	ug/L		B	1	6010B
7440-41-7	Beryllium	5.0	5.0	0.25	ug/L	U		1	6010B
7440-70-2	Calcium	14300	500	50.0	ug/L			1	6010B
7440-43-9	Cadmium	5.0	5.0	1.0	ug/L	U		1	6010B
7440-48-4	Cobalt	1.6	5.0	0.50	ug/L	J		1	6010B
7440-47-3	Chromium	0.57	5.0	0.50	ug/L	J		1	6010B
7440-50-8	Copper	1.6	10.0	1.5	ug/L	J		1	6010B
7439-89-6	Iron	24200	125	15.0	ug/L			1	6010B
7440-09-7	Potassium	2630	500	50.0	ug/L			1	6010B
7439-95-4	Magnesium	3800	500	5.0	ug/L			1	6010B
7439-96-5	Manganese	410	8.0	0.25	ug/L		B	1	6010B
7440-23-5	Sodium	33000	500	50.0	ug/L			1	6010B
7440-02-0	Nickel	1.6	5.0	1.0	ug/L	J		1	6010B
7439-92-1	Lead	2.9	15.0	2.5	ug/L	J		1	6010B
7440-36-0	Antimony	15.0	15.0	5.0	ug/L	U		1	6010B
7782-49-2	Selenium	38.0	38.0	12.5	ug/L	U		1	6010B
7440-28-0	Thallium	15.0	15.0	3.5	ug/L	U		1	6010B
7440-62-2	Vanadium	5.0	5.0	1.0	ug/L	U		1	6010B
7440-66-6	Zinc	5.1	25.0	5.0	ug/L	J		1	6010B
7439-97-6	Mercury	0.20	0.20	0.060	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-6 Lab Sample ID: 220-15975-10

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG ID.:

Matrix: Water Date Sampled: 07/11/2011 16:00

Reporting Basis: WET Date Received: 07/12/2011 19:35

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	5.0	5.0	0.25	ug/L	U		1	6010B
7429-90-5	Aluminum	75.2	250	10.0	ug/L	J		1	6010B
7440-38-2	Arsenic	15.0	15.0	4.0	ug/L	U		1	6010B
7440-39-3	Barium	26.6	5.0	0.25	ug/L		B	1	6010B
7440-41-7	Beryllium	5.0	5.0	0.25	ug/L	U		1	6010B
7440-70-2	Calcium	6960	500	50.0	ug/L			1	6010B
7440-43-9	Cadmium	5.0	5.0	1.0	ug/L	U		1	6010B
7440-48-4	Cobalt	5.0	5.0	0.50	ug/L	U		1	6010B
7440-47-3	Chromium	5.0	5.0	0.50	ug/L	U		1	6010B
7440-50-8	Copper	10.0	10.0	1.5	ug/L	U		1	6010B
7439-89-6	Iron	130	125	15.0	ug/L			1	6010B
7440-09-7	Potassium	946	500	50.0	ug/L			1	6010B
7439-95-4	Magnesium	1650	500	5.0	ug/L			1	6010B
7439-96-5	Manganese	15.7	8.0	0.25	ug/L		B	1	6010B
7440-23-5	Sodium	14800	500	50.0	ug/L			1	6010B
7440-02-0	Nickel	5.0	5.0	1.0	ug/L	U		1	6010B
7439-92-1	Lead	15.0	15.0	2.5	ug/L	U		1	6010B
7440-36-0	Antimony	15.0	15.0	5.0	ug/L	U		1	6010B
7782-49-2	Selenium	38.0	38.0	12.5	ug/L	U		1	6010B
7440-28-0	Thallium	15.0	15.0	3.5	ug/L	U		1	6010B
7440-62-2	Vanadium	5.0	5.0	1.0	ug/L	U		1	6010B
7440-66-6	Zinc	25.0	25.0	5.0	ug/L	U		1	6010B
7439-97-6	Mercury	0.20	0.20	0.060	ug/L	U		1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

ICV Source: mccvp_00075 Concentration Units: ug/L

CCV Source: mccvp_00075

Analyte	ICV 220-52870/3 07/14/2011 11:01				CCV 220-52870/8 07/14/2011 11:18				CCV 220-52870/20 07/14/2011 11:57			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	5055		5000	101	5050		5000	101	5051		5000	101
Antimony	494.6		500	99	497.3		500	99	491.2		500	98
Arsenic	532.2		500	106	535.6		500	107	531.9		500	106
Barium	513.1		500	103	510.4		500	102	500.6		500	100
Beryllium	507.3		500	101	507.7		500	102	504.1		500	101
Cadmium	522.4		500	104	525.8		500	105	510.0		500	102
Calcium	18530		18500	100	18590		18500	100	18490		18500	100
Chromium	512.0		500	102	514.3		500	103	514.5		500	103
Cobalt	507.3		500	101	508.4		500	102	510.2		500	102
Copper	511.8		500	102	507.1		500	101	498.7		500	100
Iron	5680		5500	103	5743		5500	104	5654		5500	103
Lead	498.2		500	100	506.9		500	101	509.5		500	102
Magnesium	19520		18500	106	18950		18500	102	18910		18500	102
Manganese	514.3		500	103	514.3		500	103	499.4		500	100
Nickel	510.4		500	102	515.1		500	103	516.9		500	103
Potassium	40590		40000	101	38700		40000	97	38940		40000	97
Selenium	491.8		500	98	480.4		500	96	480.8		500	96
Silver	249.8		250	100	248.6		250	99	244.6		250	98
Sodium	40680		40000	102	39060		40000	98	38960		40000	97
Thallium	516.7		500	103	524.7		500	105	509.9		500	102
Vanadium	491.9		500	98	490.5		500	98	479.1		500	96
Zinc	507.7		500	102	513.2		500	103	509.3		500	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

ICV Source: mccvp_00075 Concentration Units: ug/L

CCV Source: mccvp_00075

Analyte	CCV 220-52870/32 07/14/2011 12:36				CCV 220-52870/44 07/14/2011 13:47							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	5053		5000	101	5005		5000	100				
Antimony	487.1		500	97	492.5		500	99				
Arsenic	513.5		500	103	529.7		500	106				
Barium	500.6		500	100	512.1		500	102				
Beryllium	502.1		500	100	507.0		500	101				
Cadmium	506.4		500	101	519.5		500	104				
Calcium	18530		18500	100	18660		18500	101				
Chromium	507.0		500	101	521.4		500	104				
Cobalt	502.6		500	101	518.8		500	104				
Copper	500.2		500	100	505.8		500	101				
Iron	5619		5500	102	5815		5500	106				
Lead	492.5		500	99	519.4		500	104				
Magnesium	19570		18500	106	19210		18500	104				
Manganese	499.9		500	100	513.6		500	103				
Nickel	507.8		500	102	522.3		500	104				
Potassium	40740		40000	102	38840		40000	97				
Selenium	490.2		500	98	501.3		500	100				
Silver	244.3		250	98	248.3		250	99				
Sodium	40360		40000	101	39980		40000	100				
Thallium	512.0		500	102	522.9		500	105				
Vanadium	480.0		500	96	490.6		500	98				
Zinc	499.6		500	100	515.4		500	103				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

ICV Source: mccvp_00075 Concentration Units: ug/L

CCV Source: mccvp_00075

Analyte	ICV 220-53096/3 07/20/2011 11:03				CCV 220-53096/44 07/20/2011 13:15				CCV 220-53096/56 07/20/2011 13:54			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	5029		5000	101	5024		5000	100	5021		5000	100
Antimony	524.8		500	105	502.7		500	101	512.7		500	103
Arsenic	539.0		500	108	521.8		500	104	534.1		500	107
Barium	510.4		500	102	500.7		500	100	509.5		500	102
Beryllium	508.8		500	102	504.5		500	101	506.7		500	101
Cadmium	522.3		500	104	508.4		500	102	517.7		500	104
Calcium	18650		18500	101	18580		18500	100	18510		18500	100
Chromium	524.2		500	105	508.4		500	102	519.2		500	104
Cobalt	528.2		500	106	512.5		500	103	522.3		500	104
Copper	512.5		500	102	502.2		500	100	513.0		500	103
Iron	5629		5500	102	5642		5500	103	5669		5500	103
Lead	522.6		500	105	507.1		500	101	516.5		500	103
Magnesium	19230		18500	104	18960		18500	102	19260		18500	104
Manganese	514.5		500	103	499.9		500	100	513.3		500	103
Nickel	532.1		500	106	516.5		500	103	531.2		500	106
Potassium	40270		40000	101	39090		40000	98	39900		40000	100
Selenium	503.8		500	101	485.7		500	97	495.0		500	99
Silver	250.1		250	100	244.2		250	98	249.0		250	100
Sodium	39380		40000	98	38700		40000	97	39620		40000	99
Thallium	545.4		500	109	528.1		500	106	531.4		500	106
Vanadium	492.9		500	99	480.3		500	96	491.3		500	98
Zinc	531.9		500	106	512.4		500	102	521.0		500	104

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

ICV Source: mccvp_00075 Concentration Units: ug/L

CCV Source: mccvp_00075

Analyte	CCV 220-53096/68 07/20/2011 14:34											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	5018		5000	100								
Antimony	492.3		500	98								
Arsenic	517.5		500	103								
Barium	501.1		500	100								
Beryllium	504.1		500	101								
Cadmium	511.5		500	102								
Calcium	18620		18500	101								
Chromium	508.2		500	102								
Cobalt	510.9		500	102								
Copper	503.9		500	101								
Iron	5724		5500	104								
Lead	510.0		500	102								
Magnesium	19230		18500	104								
Manganese	501.0		500	100								
Nickel	517.7		500	104								
Potassium	39890		40000	100								
Selenium	483.3		500	97								
Silver	245.1		250	98								
Sodium	39700		40000	99								
Thallium	525.2		500	105								
Vanadium	481.1		500	96								
Zinc	509.4		500	102								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

ICV Source: mhgicv_00691 Concentration Units: ug/L

CCV Source: mhgccv_00691

Analyte	ICV 220-53033/7 07/19/2011 13:39				CCV 220-53033/19 07/19/2011 13:51				CCV 220-53033/31 07/19/2011 14:03			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.03		5.00	101	5.09		5.00	102	5.11		5.00	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

ICV Source: mhgicv_00691 Concentration Units: ug/L

CCV Source: mhgccv_00691

Analyte	CCV 220-53033/42 07/19/2011 14:15											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.17		5.00	103								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

ICV Source: mhgicv_00692 Concentration Units: ug/L

CCV Source: mhgccv_00692

Analyte	ICV 220-53143/7 07/21/2011 14:48				CCV 220-53143/19 07/21/2011 15:01				CCV 220-53143/31 07/21/2011 15:13			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.12		5.00	102	5.20		5.00	104	5.24		5.00	105

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Method: 6010B Instrument ID: ICAP3

Lab Sample ID: CRI 220-52870/5 Concentration Units: ug/L

CRQL Check Standard Source: mcri_00052

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	2.00	1.69	J	84	50-150
Aluminum	500	490.1	J	98	50-150
Arsenic	30.0	30.22		101	50-150
Barium	10.0	10.55		105	50-150
Beryllium	10.0	10.37		104	50-150
Calcium	1000	1003		100	50-150
Cadmium	10.0	10.71		107	50-150
Cobalt	10.0	9.68	J	97	50-150
Chromium	10.0	10.57		106	50-150
Copper	20.0	18.33	J	92	50-150
Iron	250	261.4		105	50-150
Potassium	1000	1024		102	50-150
Magnesium	1000	1047		105	50-150
Manganese	10.0	10.60	J	106	50-150
Sodium	1000	941.0	J	94	50-150
Nickel	10.0	10.72		107	50-150
Lead	30.0	32.79		109	50-150
Antimony	30.0	35.66		119	50-150
Selenium	75.0	54.78	J	73	50-150
Thallium	30.0	32.34		108	50-150
Vanadium	10.0	9.99	J	100	50-150
Zinc	30.0	30.46	J	102	50-150

Lab Sample ID: CRI 220-53096/5 Concentration Units: ug/L

CRQL Check Standard Source: mcri_00052

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Silver	2.00	1.99	J	99	50-150
Aluminum	500	506.9		101	50-150
Arsenic	30.0	22.93	J	76	50-150
Barium	10.0	10.63		106	50-150
Beryllium	10.0	10.23		102	50-150
Calcium	1000	997.2	J	100	50-150
Cadmium	10.0	10.42		104	50-150
Cobalt	10.0	9.61	J	96	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Method: 6010B Instrument ID: ICAP3

Lab Sample ID: CRI 220-53096/5 Concentration Units: ug/L

CRQL Check Standard Source: mcri_00052

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Chromium	10.0	10.38		104	50-150
Copper	20.0	20.45		102	50-150
Iron	250	253.8		102	50-150
Potassium	1000	1005		100	50-150
Magnesium	1000	1043		104	50-150
Manganese	10.0	10.47	J	105	50-150
Sodium	1000	918.2	J	92	50-150
Nickel	10.0	9.85	J	99	50-150
Lead	30.0	29.49	J	98	50-150
Antimony	30.0	32.96		110	50-150
Selenium	75.0	64.14	J	86	50-150
Thallium	30.0	33.04		110	50-150
Vanadium	10.0	10.10		101	50-150
Zinc	30.0	36.38	J	121	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 220-52870/4 07/14/2011 11:05		CCB 220-52870/9 07/14/2011 11:22		CCB 220-52870/21 07/14/2011 12:00		CCB 220-52870/33 07/14/2011 12:39	
		Found	C	Found	C	Found	C	Found	C
Aluminum	500	500	U	500	U	500	U	500	U
Antimony	30.0	30.0	U	30.0	U	30.0	U	30.0	U
Arsenic	30.0	30.0	U	30.0	U	30.0	U	12.34	J
Barium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Beryllium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Cadmium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Calcium	1000	1000	U	1000	U	1000	U	1000	U
Chromium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Cobalt	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Copper	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Iron	250	250	U	250	U	250	U	250	U
Lead	30.0	8.75	J	30.0	U	30.0	U	30.0	U
Magnesium	1000	1000	U	1000	U	1000	U	1000	U
Manganese	15.0	15.0	U	15.0	U	15.0	U	15.0	U
Nickel	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Potassium	1000	1000	U	1000	U	1000	U	1000	U
Selenium	75.0	75.0	U	75.0	U	75.0	U	75.0	U
Silver	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Sodium	1000	1000	U	1000	U	1000	U	1000	U
Thallium	30.0	30.0	U	30.0	U	30.0	U	30.0	U
Vanadium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Zinc	50.0	50.0	U	50.0	U	50.0	U	50.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 220-52870/45 07/14/2011 13:51							
		Found	C	Found	C	Found	C	Found	C
Aluminum	500	500	U						
Antimony	30.0	30.0	U						
Arsenic	30.0	30.0	U						
Barium	10.0	10.0	U						
Beryllium	10.0	10.0	U						
Cadmium	10.0	10.0	U						
Calcium	1000	1000	U						
Chromium	10.0	10.0	U						
Cobalt	10.0	10.0	U						
Copper	20.0	20.0	U						
Iron	250	250	U						
Lead	30.0	30.0	U						
Magnesium	1000	1000	U						
Manganese	15.0	15.0	U						
Nickel	10.0	10.0	U						
Potassium	1000	1000	U						
Selenium	75.0	75.0	U						
Silver	10.0	10.0	U						
Sodium	1000	1000	U						
Thallium	30.0	30.0	U						
Vanadium	10.0	10.0	U						
Zinc	50.0	50.0	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 220-53096/4 07/20/2011 11:07		CCB 220-53096/45 07/20/2011 13:19		CCB 220-53096/57 07/20/2011 13:58		CCB 220-53096/69 07/20/2011 14:38	
		Found	C	Found	C	Found	C	Found	C
Aluminum	500	500	U	500	U	500	U	500	U
Antimony	30.0	30.0	U	30.0	U	30.0	U	30.0	U
Arsenic	30.0	30.0	U	30.0	U	30.0	U	30.0	U
Barium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Beryllium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Cadmium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Calcium	1000	1000	U	1000	U	1000	U	1000	U
Chromium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Cobalt	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Copper	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Iron	250	250	U	250	U	250	U	250	U
Lead	30.0	30.0	U	30.0	U	30.0	U	30.0	U
Magnesium	1000	1000	U	1000	U	1000	U	1000	U
Manganese	15.0	15.0	U	15.0	U	15.0	U	15.0	U
Nickel	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Potassium	1000	1000	U	1000	U	1000	U	1000	U
Selenium	75.0	75.0	U	75.0	U	75.0	U	75.0	U
Silver	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Sodium	1000	1000	U	1000	U	1000	U	1000	U
Thallium	30.0	30.0	U	30.0	U	30.0	U	30.0	U
Vanadium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Zinc	50.0	50.0	U	50.0	U	50.0	U	50.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 220-53033/8 07/19/2011 13:40		CCB 220-53033/20 07/19/2011 13:52		CCB 220-53033/32 07/19/2011 14:05		CCB 220-53033/43 07/19/2011 14:16	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 220-53143/8 07/21/2011 14:49		CCB 220-53143/20 07/21/2011 15:03		CCB 220-53143/32 07/21/2011 15:14			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 220-52817/1-A

Instrument Code: ICAP3 Batch No.: 52870

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	5.0	U		6010B
7429-90-5	Aluminum	250	U		6010B
7440-38-2	Arsenic	15.0	U		6010B
7440-39-3	Barium	5.0	U		6010B
7440-41-7	Beryllium	5.0	U		6010B
7440-70-2	Calcium	500	U		6010B
7440-43-9	Cadmium	5.0	U		6010B
7440-48-4	Cobalt	5.0	U		6010B
7440-47-3	Chromium	5.0	U		6010B
7440-50-8	Copper	10.0	U		6010B
7439-89-6	Iron	125	U		6010B
7440-09-7	Potassium	500	U		6010B
7439-95-4	Magnesium	500	U		6010B
7439-96-5	Manganese	8.0	U		6010B
7440-23-5	Sodium	500	U		6010B
7440-02-0	Nickel	5.0	U		6010B
7439-92-1	Lead	15.0	U		6010B
7440-36-0	Antimony	15.0	U		6010B
7782-49-2	Selenium	38.0	U		6010B
7440-28-0	Thallium	15.0	U		6010B
7440-62-2	Vanadium	5.0	U		6010B
7440-66-6	Zinc	25.0	U		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 220-53046/1-A

Instrument Code: ICAP3 Batch No.: 53096

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	5.0	U		6010B
7429-90-5	Aluminum	250	U		6010B
7440-38-2	Arsenic	15.0	U		6010B
7440-39-3	Barium	0.262	J		6010B
7440-41-7	Beryllium	5.0	U		6010B
7440-70-2	Calcium	500	U		6010B
7440-43-9	Cadmium	5.0	U		6010B
7440-48-4	Cobalt	5.0	U		6010B
7440-47-3	Chromium	5.0	U		6010B
7440-50-8	Copper	10.0	U		6010B
7439-89-6	Iron	125	U		6010B
7440-09-7	Potassium	500	U		6010B
7439-95-4	Magnesium	500	U		6010B
7439-96-5	Manganese	0.828	J		6010B
7440-23-5	Sodium	500	U		6010B
7440-02-0	Nickel	5.0	U		6010B
7439-92-1	Lead	15.0	U		6010B
7440-36-0	Antimony	15.0	U		6010B
7782-49-2	Selenium	38.0	U		6010B
7440-28-0	Thallium	15.0	U		6010B
7440-62-2	Vanadium	5.0	U		6010B
7440-66-6	Zinc	25.0	U		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 220-53012/1-A

Instrument Code: MERC1 Batch No.: 53033

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.20	U		7470A

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 220-53086/1-A

Instrument Code: MERC1 Batch No.: 53143

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.20	U		7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab Sample ID: ICSA 220-52870/6 Instrument ID: ICAP3

Lab File ID: 071411d.prn ICS Source: micsa_00046

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**534530**	**107**
Antimony		**14.8**	
Arsenic		**1.26**	
Barium		**4.84**	
Beryllium		**-0.281**	
Cadmium		**-1.02**	
Calcium	**500000**	**486646**	**97**
Chromium		**2.36**	
Cobalt		**-3.79**	
Copper		**-0.0246**	
Iron	**200000**	**185008**	**93**
Lead		**2.66**	
Magnesium	**500000**	**470996**	**94**
Manganese		**-24.8**	
Nickel		**-1.79**	
Potassium		**36.5**	
Selenium		**6.11**	
Silver		**-4.98**	
Sodium		**-38.0**	
Thallium		**-16.0**	
Vanadium		**1.86**	
Zinc		**0.505**	
Boron		*-93.7*	
Lithium		*5.84*	
Molybdenum		*-0.905*	
Strontium		*20.3*	
Sulfur		*275*	
Tin		*-7.20*	
Titanium		*-8.28*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab Sample ID: ICSAB 220-52870/7 Instrument ID: ICAP3

Lab File ID: 071411d.prn ICS Source: micsab_00046

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Aluminum	**501000**	**540822**	**108**
Antimony	**500**	**539**	**108**
Arsenic	**500**	**473**	**95**
Barium	**500**	**499**	**100**
Beryllium	**500**	**495**	**99**
Cadmium	**500**	**454**	**91**
Calcium	**500000**	**490377**	**98**
Chromium	**500**	**497**	**99**
Cobalt	**500**	**453**	**91**
Copper	**500**	**570**	**114**
Iron	**201000**	**186138**	**93**
Lead	**500**	**488**	**98**
Magnesium	**500000**	**478495**	**96**
Manganese	**500**	**462**	**92**
Nickel	**500**	**449**	**90**
Selenium	**1000**	**1011**	**101**
Silver	**100**	**105**	**105**
Thallium	**500**	**456**	**91**
Vanadium	**500**	**493**	**99**
Zinc	**500**	**451**	**90**
Lithium	*500*	*544*	*109*
Molybdenum	*500*	*479*	*96*
Strontium	*500*	*521*	*104*
Tin	*500*	*470*	*94*
Titanium	*500*	*501*	*100*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab Sample ID: ICSA 220-53096/6 Instrument ID: ICAP3

Lab File ID: 072011d.prn ICS Source: micsa_00046

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**534933**	**107**
Antimony		**30.1**	
Arsenic		**-25.7**	
Barium		**5.42**	
Beryllium		**-0.301**	
Cadmium		**-1.51**	
Calcium	**500000**	**490429**	**98**
Chromium		**2.59**	
Cobalt		**-3.65**	
Copper		**1.59**	
Iron	**200000**	**184862**	**92**
Lead		**-1.46**	
Magnesium	**500000**	**469919**	**94**
Manganese		**-25.0**	
Nickel		**-1.42**	
Potassium		**22.7**	
Selenium		**13.6**	
Silver		**-4.92**	
Sodium		**-45.4**	
Thallium		**-7.32**	
Vanadium		**2.17**	
Zinc		**30.6**	
Boron		*-96.7*	
Lithium		*4.66*	
Molybdenum		*-5.52*	
Strontium		*20.2*	
Sulfur		*127*	
Tin		*8.78*	
Titanium		*-8.15*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Lab Sample ID: ICSAB 220-53096/7 Instrument ID: ICAP3

Lab File ID: 072011d.prn ICS Source: micsab_00046

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Aluminum	**501000**	**535015**	**107**
Antimony	**500**	**529**	**106**
Arsenic	**500**	**477**	**95**
Barium	**500**	**497**	**99**
Beryllium	**500**	**494**	**99**
Cadmium	**500**	**451**	**90**
Calcium	**500000**	**482314**	**96**
Chromium	**500**	**493**	**99**
Cobalt	**500**	**458**	**92**
Copper	**500**	**570**	**114**
Iron	**201000**	**185142**	**92**
Lead	**500**	**490**	**98**
Magnesium	**500000**	**475448**	**95**
Manganese	**500**	**458**	**92**
Nickel	**500**	**454**	**91**
Selenium	**1000**	**1037**	**104**
Silver	**100**	**104**	**104**
Thallium	**500**	**463**	**93**
Vanadium	**500**	**491**	**98**
Zinc	**500**	**453**	**91**
Lithium	*500*	*545*	*109*
Molybdenum	*500*	*481*	*96*
Strontium	*500*	*507*	*101*
Tin	*500*	*480*	*96*
Titanium	*500*	*499*	*100*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: FB 0711 MS Lab ID: 220-15975-1 MS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Matrix: Water Concentration Units: ug/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	2.07		0.20	U	2.00	103	75-125		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: MW-10 MS | Lab ID: 220-15975-8 MS

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

Matrix: Water | Concentration Units: ug/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	59.70		5.0	U	60.0	100	75-125		6010B
Aluminum	1728		250	U	1670	104	75-125		6010B
Arsenic	203.8		15.0	U	200	102	75-125		6010B
Barium	293.9		234		60.0	100	75-125		6010B
Beryllium	21.66		5.0	U	20.0	108	75-125		6010B
Calcium	17660		13900		3330	112	75-125	4	6010B
Cadmium	61.78		5.0	U	60.0	103	75-125		6010B
Cobalt	62.50		5.0	U	60.0	104	75-125		6010B
Chromium	61.92		5.0	U	60.0	103	75-125		6010B
Copper	65.08		10.0	U	60.0	108	75-125		6010B
Iron	1787		37.0	J	1670	105	75-125		6010B
Potassium	9946		2500		7330	102	75-125		6010B
Magnesium	7081		3540		3330	106	75-125		6010B
Manganese	122.5		82.5		40.0	100	75-125		6010B
Sodium	43470		39900		3330	106	75-125	4	6010B
Nickel	62.77		5.0	U	60.0	105	75-125		6010B
Lead	201.0		15.0	U	200	100	75-125		6010B
Antimony	206.2		15.0	U	200	103	75-125		6010B
Selenium	83.95		38.0	U	100	84	75-125		6010B
Thallium	210.3		15.0	U	200	105	75-125		6010B
Vanadium	60.44		5.0	U	60.0	101	75-125		6010B
Zinc	64.54		25.0	U	60.0	108	75-125		6010B
Mercury	2.07		0.20	U	2.00	103	75-125		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: MW-10 MSD
Lab ID: 220-15975-8 MSD
Lab Name: TestAmerica Connecticut
Job No.: 220-15975-1
SDG No.:
Matrix: Water
Concentration Units: ug/L
% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Silver	60.53		60.0	101	75-125	1	20		6010B
Aluminum	1743		1670	105	75-125	1	20		6010B
Arsenic	206.8		200	103	75-125	1	20		6010B
Barium	298.8		60.0	108	75-125	2	20		6010B
Beryllium	21.84		20.0	109	75-125	1	20		6010B
Calcium	18100		3330	125	75-125	2	20	4	6010B
Cadmium	62.43		60.0	104	75-125	1	20		6010B
Cobalt	63.25		60.0	105	75-125	1	20		6010B
Chromium	62.86		60.0	105	75-125	2	20		6010B
Copper	66.31		60.0	111	75-125	2	20		6010B
Iron	1790		1670	105	75-125	0	20		6010B
Potassium	10180		7330	105	75-125	2	20		6010B
Magnesium	7245		3330	111	75-125	2	20		6010B
Manganese	124.9		40.0	106	75-125	2	20		6010B
Sodium	44660		3330	142	75-125	3	20	4	6010B
Nickel	63.63		60.0	106	75-125	1	20		6010B
Lead	208.0		200	104	75-125	3	20		6010B
Antimony	208.3		200	104	75-125	1	20		6010B
Selenium	93.68		100	94	75-125	11	20		6010B
Thallium	206.9		200	103	75-125	2	20		6010B
Vanadium	61.19		60.0	102	75-125	1	20		6010B
Zinc	64.43		60.0	107	75-125	0	20		6010B
Mercury	2.09		2.00	105	75-125	1	25		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

6-IN
DUPLICATES
METALS

Client ID: FB 0711 DU Lab ID: 220-15975-1 DU

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

% Solids for Sample: % Solids for Duplicate:

Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury	0.20	0.20	U	0.20	U	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: MW-10 DU | Lab ID: 220-15975-8 DU

Lab Name: TestAmerica Connecticut | Job No.: 220-15975-1

SDG No.:

% Solids for Sample: | % Solids for Duplicate:

Matrix: Water | Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Silver	5.0	5.0	U	5.0	U	NC		6010B
Aluminum	250	250	U	17.76	J	NC		6010B
Arsenic	15.0	15.0	U	15.0	U	NC		6010B
Barium	5.0	234		234.7		0.2		6010B
Beryllium	5.0	5.0	U	5.0	U	NC		6010B
Calcium	500	13900		13960		0.2		6010B
Cadmium	5.0	5.0	U	5.0	U	NC		6010B
Cobalt	5.0	5.0	U	5.0	U	NC		6010B
Chromium	5.0	5.0	U	5.0	U	NC		6010B
Copper	10.0	10.0	U	10.0	U	NC		6010B
Iron	125	37.0	J	36.99	J	0.002		6010B
Potassium	500	2500		2494		0.2		6010B
Magnesium	500	3540		3544		0.06		6010B
Manganese	8.0	82.5		82.12		0.5		6010B
Sodium	500	39900		39890		0.1		6010B
Nickel	5.0	5.0	U	5.0	U	NC		6010B
Lead	15.0	15.0	U	15.0	U	NC		6010B
Antimony	15.0	15.0	U	15.0	U	NC		6010B
Selenium	38.0	38.0	U	38.0	U	NC		6010B
Thallium	15.0	15.0	U	15.0	U	NC		6010B
Vanadium	5.0	5.0	U	5.0	U	NC		6010B
Zinc	25.0	25.0	U	25.0	U	NC		6010B
Mercury	0.20	0.20	U	0.20	U	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 220-52817/2-A

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

Sample Matrix: Water LCS Source: MLCS3_00006

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Silver	300	312.6		104	80	120		6010B
Aluminum	3330	3454		104	80	120		6010B
Arsenic	1000	1039		104	80	120		6010B
Barium	300	322.4		107	80	120		6010B
Beryllium	100	111.1		111	80	120		6010B
Calcium	6670	6965		104	80	120		6010B
Cadmium	300	327.7		109	80	120		6010B
Cobalt	300	328.6		110	80	120		6010B
Chromium	300	326.4		109	80	120		6010B
Copper	300	329.2		110	80	120		6010B
Iron	3330	3545		106	80	120		6010B
Potassium	26700	28400		106	80	120		6010B
Magnesium	6670	7078		106	80	120		6010B
Manganese	200	213.4		107	80	120		6010B
Sodium	6670	6762		101	80	120		6010B
Nickel	300	331.8		111	80	120		6010B
Lead	1000	1078		108	80	120		6010B
Antimony	1000	1054		105	80	120		6010B
Selenium	500	548.3		110	80	120		6010B
Thallium	1000	1108		111	80	120		6010B
Vanadium	300	312.5		104	80	120		6010B
Zinc	300	327.7		109	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 220-53046/2-A

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

Sample Matrix: Water LCS Source: MLCS3_00006

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Silver	300	299.6		100	80	120		6010B
Aluminum	3330	3422		103	80	120		6010B
Arsenic	1000	1010		101	80	120		6010B
Barium	300	311.0		104	80	120		6010B
Beryllium	100	107.1		107	80	120		6010B
Calcium	6670	6926		104	80	120		6010B
Cadmium	300	314.8		105	80	120		6010B
Cobalt	300	320.2		107	80	120		6010B
Chromium	300	314.1		105	80	120		6010B
Copper	300	317.2		106	80	120		6010B
Iron	3330	3517		106	80	120		6010B
Potassium	26700	27390		103	80	120		6010B
Magnesium	6670	7036		106	80	120		6010B
Manganese	200	206.2		103	80	120		6010B
Sodium	6670	6739		101	80	120		6010B
Nickel	300	324.5		108	80	120		6010B
Lead	1000	1058		106	80	120		6010B
Antimony	1000	1061		106	80	120		6010B
Selenium	500	532.9		107	80	120		6010B
Thallium	1000	1080		108	80	120		6010B
Vanadium	300	299.3		100	80	120		6010B
Zinc	300	320.8		107	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 220-53012/2-A

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

Sample Matrix: Water LCS Source: mhgcalver_00052

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	5.00	5.02		100	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 220-53086/2-A

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

Sample Matrix: Water LCS Source: mhgcalver_00052

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	5.00	5.13		103	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 220-15975-8

SDG No:

Lab Name: TestAmerica Connecticut Job No: 220-15975-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Silver	5.0	U	25.0	U	NC		6010B
Aluminum	250	U	1250	U	NC		6010B
Arsenic	15.0	U	75.0	U	NC		6010B
Barium	234		249.1		6.4		6010B
Beryllium	5.0	U	25.0	U	NC		6010B
Calcium	13900		14350		3.0		6010B
Cadmium	5.0	U	25.0	U	NC		6010B
Cobalt	5.0	U	25.0	U	NC		6010B
Chromium	5.0	U	25.0	U	NC		6010B
Copper	10.0	U	50.0	U	NC		6010B
Iron	37.0	J	625	U	NC		6010B
Potassium	2500		2556		NC		6010B
Magnesium	3540		3641		2.8		6010B
Manganese	82.5		88.56		7.3		6010B
Sodium	39900		40680		1.9		6010B
Nickel	5.0	U	25.0	U	NC		6010B
Lead	15.0	U	75.0	U	NC		6010B
Antimony	15.0	U	75.0	U	NC		6010B
Selenium	38.0	U	190	U	NC		6010B
Thallium	15.0	U	75.0	U	NC		6010B
Vanadium	5.0	U	25.0	U	NC		6010B
Zinc	25.0	U	125	U	NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Connecticut Job Number: 220-15975-1

SDG Number:

Matrix: Water Instrument ID: ICAP3

Method: 6010B MDL Date: 03/15/2009 17:34

Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Aluminum	396.153	250	10
Antimony	206.836	15	5
Arsenic	188.979	15	4
Barium	233.527	5	0.25
Beryllium	313.107	5	0.25
Cadmium	214.440	5	1
Calcium	317.933	500	50
Chromium	267.716	5	0.5
Cobalt	228.616	5	0.5
Copper	324.752	10	1.5
Iron	238.204	125	15
Lead	220.353	15	2.5
Magnesium	285.213	500	5
Manganese	257.610	8	0.25
Nickel	231.604	5	1
Potassium	766.490	500	50
Selenium	196.026	38	12.5
Silver	328.068	5	0.25
Sodium	589.592	500	50
Thallium	190.801	15	3.5
Vanadium	311.071	5	1
Zinc	206.200	25	5

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Connecticut Job Number: 220-15975-1

SDG Number:

Matrix: Water Instrument ID: ICAP3

Method: 6010B XMDL Date: 04/27/2008 09:20

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum	308.20	500	20
Antimony	206.83	30	10
Arsenic	189.00	30	8
Barium	493.40	10	0.5
Beryllium	313.00	10	0.5
Cadmium	226.50	10	2
Calcium	317.93	1000	100
Chromium	267.70	10	1
Cobalt	228.61	10	1
Copper	324.75	20	3
Iron	271.44	250	30
Lead	220.35	30	5
Magnesium	279.07	1000	10
Manganese	257.61	15	0.5
Nickel	231.60	10	2
Potassium	766.49	1000	100
Selenium	196.02	75	25
Silver	328.06	10	0.5
Sodium	588.90	1000	100
Thallium	190.80	30	7
Vanadium	292.40	10	2
Zinc	231.85	50	10

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Connecticut Job Number: 220-15975-1

SDG Number:

Matrix: Water Instrument ID: MERC1

Method: 7470A MDL Date: 05/10/2011 11:07

Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.06

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Connecticut Job Number: 220-15975-1

SDG Number:

Matrix: Water Instrument ID: MERC1

Method: 7470A XMDL Date: 03/23/2009 15:21

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.06

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Connecticut Job Number: 220-15975-1

SDG No.:

ICP-AES Instrument ID: ICAP3 Date: 06/06/2011

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Li
Aluminum	396.153	0		0	0	0	0	0	0	0	0	0	0	0	0
Antimony	206.836	0	0	0	0	0	0	-0.1077	0	0	17.3133	0	0	0	0
Arsenic	188.979	0	0.0336339		0	0	0	0	0	0	-7.00168	0	-0.0947903	0	0
Barium	233.527	0	0	0	0		0	0	0	0	0	0	0.0154432	0	0
Beryllium	313.107	0	0	0	0	0		0	0	0	0	0	0	0	0
Boron	249.772	0	0	0		0	0	0	0	0	0	0	4.27843	0	0
Cadmium	214.440	0	0	0	0	0	0	0		0	0	0	0.0285345	0	0
Calcium	317.933	0	0	0	0	0	0		0	0	0	0	0	0	0
Chromium	267.716	0	0	0	0	0	0	0	0	0		0	-0.0180544	0	0
Cobalt	228.616	0	0	0	0	-0.958992	0	0	0		0	0	0.0394741	0	0
Copper	324.752	0	0	0	0	0	0	0	0	0	0		-0.121983	0	0
Iron	238.204	0	0	0	0	0	0	0	0	0	0	0		0	0
Lead	220.353	0	-0.0871111	0	0	0	0	0	0	0	0	0	0.10181	0	0
Lithium	670.784	0	0	0	0	0	0	0	0	0	0	0	0	0	
Magnesium	285.213	0	0	0	0	0	0	0	0	0	0	0	-0.75695	0	0
Manganese	257.610	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Molybdenum	202.031	0	0	0	0	0	0	0	0	0	0	0	-0.0390505	0	0
Nickel	231.604	0	0	0	0	0	0	0	0	-1.10286	0	0	0.0112734	0	0
Potassium	766.490	0	0	0	0	0	0	0	0	0	0	0	0		0
Selenium	196.026	0	0	0	0	0	0	-0.29867	0	0	0	0	-0.629493	0	0
Silver	328.068		0	0	0	0	0	0	0	0	0	0	-0.0475635	0	0
Sodium	589.592	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Strontium	421.552	0	0	0	0	0	0	0.0142889	0	0	0	0	0	0	0
Sulfur	181.975	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thallium	190.801	0	0	0	0	0	0	-0.0377128	0	5.95252	0	0	-0.0798221	0	0
Tin	189.927	0	0	0	0	0	0	-0.0405596	0	0	0	0	0	0	0
Titanium	334.940	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vanadium	311.071	0	0	0	0	0	0	-0.0108348	0	0	0	0	0.0223633	0	0
Yttrium	371.029	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zinc	206.200	0	0	0	0	0	0	0	0	0	-8.40903	0	0	0	0

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Connecticut Job Number: 220-15975-1

SDG No.:

ICP-AES Instrument ID: ICAP3 Date: 06/06/2011

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Li
Zirconium	343.823	0	0	9.20161	0	2.57733	0	0	0	0	0	0	0.0255585	0	0

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Connecticut Job Number: 220-15975-1

SDG No.:

ICP-AES Instrument ID: ICAP3 Date: 06/06/2011

Analyte	Wave Length	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Sn	Sr	Ti	Tl	V
Aluminum	396.153	0	0	46.4613	0	0	0	0	0	0	0	0	0	0	0
Antimony	206.836	0	0	-9.82764	0	0	0	0		0	-6.44828	0	0	0	-2.03448
Arsenic	188.979	0	0	4.14558	0	0	0	0	0	0	0	0	0	0	0
Barium	233.527	0	0	0	0	0	0	0	0	0	0	0	0	0	-2.07101
Beryllium	313.107	0	0	0	0	0	0	0	0	0	0	0	-3.87104	0	0
Boron	249.772	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cadmium	214.440	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calcium	317.933	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chromium	267.716	-0.0115024	0	0	0	0	0	0	0	0	0	0	0	0	-0.830653
Cobalt	228.616	0	0	-1.18308	0	0	0	0	0	0	0	0	2.08716	0	0
Copper	324.752	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iron	238.204	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lead	220.353	0	0	-2.88287	0	0		0	0	0	0	0	0	0	0
Lithium	670.784	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magnesium	285.213		0	0	0	0	0	0	0	0	0	0	0	0	0
Manganese	257.610	0.0448058		0	0	0	0	0	0	0	0	0	0	0	0
Molybdenum	202.031	0	0		0	0	0	0	0	0	0	0	0	0	0
Nickel	231.604	0	0	0	0		0	0	0	0	0	0	0	0	0
Potassium	766.490	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Selenium	196.026	0	0	0	0	0	0	0	0		0	0	0	0	0
Silver	328.068	0	0	0	0	0	0	0	0	0	0	0	0	0	-2.88477
Sodium	589.592	0	0	0		0	0	0	0	0	0	0	0	0	0
Strontium	421.552	0	0	0	0	0	0	0	0	0	0		0	0	0
Sulfur	181.975	-30.4315	0	0	0	0	0		0	0	0	0	0	0	0
Thallium	190.801	0	0	0	0	0	0	0	0	0	0	0	-14.0332		-2.00408
Tin	189.927	0	0	0	0	0	0	0	0	0		0	-4.93606	0	0
Titanium	334.940	0	0	0	0	0	0	0	0	0	0	0		0	0
Vanadium	311.071	0.0177791	0	0	0	0	0	0	0	0	0	0	11.3521	0	
Yttrium	371.029	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zinc	206.200	0	0	0	0	0	0	0	0	0	0	0	0	0	0

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Connecticut Job Number: 220-15975-1

SDG No.:

ICP-AES Instrument ID: ICAP3 Date: 06/06/2011

Analyte	Wave Length	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Sn	Sr	Ti	Tl	V
Zirconium	343.823	0	0	0	0	0	0	0	0	0	0	0	0	0	0

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Connecticut Job Number: 220-15975-1

SDG No.:

ICP-AES Instrument ID: ICAP3 Date: 06/06/2011

Analyte	Wave Length	Y	Zn	Zr											
Aluminum	396.153	0	0	0											
Antimony	206.836	0	0	0											
Arsenic	188.979	0	0	0											
Barium	233.527	0	0	0											
Beryllium	313.107	0	0	0											
Boron	249.772	0	0	0											
Cadmium	214.440	0	0	0											
Calcium	317.933	0	0	0											
Chromium	267.716	0	0	0											
Cobalt	228.616	0	0	0											
Copper	324.752	0	0	0											
Iron	238.204	0	0	0											
Lead	220.353	0	0	0											
Lithium	670.784	0	0	0											
Magnesium	285.213	0	0	0											
Manganese	257.610	0	0	0											
Molybdenum	202.031	0	0	0											
Nickel	231.604	0	0	0											
Potassium	766.490	0	0	0											
Selenium	196.026	0	0	0											
Silver	328.068	0	0	6.67875											
Sodium	589.592	0	0	0											
Strontium	421.552	0	0	0											
Sulfur	181.975	0	0	0											
Thallium	190.801	0	0	0											
Tin	189.927	0	0	0											
Titanium	334.940	0	0	0											
Vanadium	311.071	0	0	4.51987											
Yttrium	371.029	0	0	0											
Zinc	206.200	0		0											

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Connecticut Job Number: 220-15975-1

SDG No.:

ICP-AES Instrument ID: ICAP3 Date: 06/06/2011

Analyte	Wave Length	Y	Zn	Zr											
Zirconium	343.823	0	0												

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Connecticut Job No: 220-15975-1

SDG No.:

Instrument ID: ICAP3 Date: 03/09/2011 11:54

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Silver		3600	6010B
Aluminum		450000	6010B
Arsenic		36000	6010B
Barium		18000	6010B
Beryllium		18000	6010B
Calcium		540000	6010B
Cadmium		18000	6010B
Cobalt		36000	6010B
Chromium		36000	6010B
Copper		36000	6010B
Iron		405000	6010B
Potassium		540000	6010B
Magnesium		360000	6010B
Manganese		9000	6010B
Sodium		540000	6010B
Nickel		36000	6010B
Lead		36000	6010B
Antimony		36000	6010B
Selenium		36000	6010B
Thallium		36000	6010B
Vanadium		36000	6010B
Zinc		36000	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 220-52817/1-A	07/13/2011 13:24	52817		100	50
LCS 220-52817/2-A	07/13/2011 13:24	52817		50	50
220-15975-1	07/13/2011 13:24	52817		100	50
220-15975-2	07/13/2011 13:24	52817		100	50
220-15975-3	07/13/2011 13:24	52817		100	50
220-15975-4	07/13/2011 13:24	52817		100	50
220-15975-5	07/13/2011 13:24	52817		100	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 220-53046/1-A	07/19/2011 14:45	53046		100	50
LCS 220-53046/2-A	07/19/2011 14:45	53046		50	50
220-15975-6	07/19/2011 14:45	53046		100	50
220-15975-7	07/19/2011 14:45	53046		100	50
220-15975-8	07/19/2011 14:45	53046		100	50
220-15975-8 DU	07/19/2011 14:45	53046		100	50
220-15975-8 MS	07/19/2011 14:45	53046		100	50
220-15975-8 MSD	07/19/2011 14:45	53046		100	50
220-15975-9	07/19/2011 14:45	53046		100	50
220-15975-10	07/19/2011 14:45	53046		100	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 220-53012/1-A	07/19/2011 10:03	53012		40	40
LCS 220-53012/2-A	07/19/2011 10:03	53012		40	40
220-15975-1	07/19/2011 10:03	53012		40	40
220-15975-1 DU	07/19/2011 10:03	53012		40	40
220-15975-1 MS	07/19/2011 10:03	53012		40	40
220-15975-2	07/19/2011 10:03	53012		40	40
220-15975-3	07/19/2011 10:03	53012		40	40
220-15975-4	07/19/2011 10:03	53012		40	40
220-15975-5	07/19/2011 10:03	53012		40	40
220-15975-6	07/19/2011 10:03	53012		40	40
220-15975-7	07/19/2011 10:03	53012		40	40

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 220-53086/1-A	07/20/2011 13:39	53086		40	40
LCS 220-53086/2-A	07/20/2011 13:39	53086		40	40
220-15975-8	07/20/2011 13:39	53086		40	40
220-15975-8 DU	07/20/2011 13:39	53086		40	40
220-15975-8 MS	07/20/2011 13:39	53086		40	40
220-15975-8 MSD	07/20/2011 13:39	53086		40	40
220-15975-9	07/20/2011 13:39	53086		40	40
220-15975-10	07/20/2011 13:39	53086		40	40

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: ICAP3 Method: 6010B

Start Date: 07/14/2011 10:54 End Date: 07/14/2011 14:58

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
STD1 220-52870/1 IC			10:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD2 220-52870/2 IC			10:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 220-52870/3	1		11:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 220-52870/4	1		11:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 220-52870/5	1		11:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 220-52870/6	1		11:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 220-52870/7	1		11:14	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X
CCV 220-52870/8	1		11:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 220-52870/9	1		11:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 220-52817/1-A	1	T	11:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 220-52817/2-A	1	T	11:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:31																				
ZZZZZZ			11:35																				
ZZZZZZ			11:38																				
ZZZZZZ			11:41																				
ZZZZZZ			11:44																				
ZZZZZZ			11:47																				
ZZZZZZ			11:50																				
ZZZZZZ			11:53																				
CCV 220-52870/20	1		11:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 220-52870/21	1		12:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:03																				
ZZZZZZ			12:06																				
ZZZZZZ			12:10																				
ZZZZZZ			12:13																				
ZZZZZZ			12:16																				
ZZZZZZ			12:19																				
ZZZZZZ			12:23																				
ZZZZZZ			12:26																				
ZZZZZZ			12:29																				
ZZZZZZ			12:33																				
CCV 220-52870/32	1		12:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 220-52870/33	1		12:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:43																				
220-15975-1	1	T	12:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
220-15975-2	1	T	12:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
220-15975-3	1	T	12:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
220-15975-4	1	T	12:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
220-15975-5	1	T	12:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:34																				
ZZZZZZ			13:37																				
ZZZZZZ			13:40																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: ICAP3 Method: 6010B

Start Date: 07/14/2011 10:54 End Date: 07/14/2011 14:58

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			13:44																				
CCV 220-52870/44	1		13:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 220-52870/45	1		13:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:59																				
ZZZZZZ			14:02																				
ZZZZZZ			14:06																				
ZZZZZZ			14:09																				
ZZZZZZ			14:12																				
ZZZZZZ			14:15																				
ZZZZZZ			14:18																				
ZZZZZZ			14:21																				
ZZZZZZ			14:24																				
ZZZZZZ			14:28																				
CCV 220-52870/56			14:31																				
CCB 220-52870/57			14:35																				
ZZZZZZ			14:38																				
ZZZZZZ			14:41																				
ZZZZZZ			14:44																				
ZZZZZZ			14:47																				
ZZZZZZ			14:51																				
CCV 220-52870/63			14:54																				
CCB 220-52870/64			14:58																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: ICAP3 Method: 6010B

Start Date: 07/14/2011 10:54 End Date: 07/14/2011 14:58

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
STD1 220-52870/1 IC			10:54	X	X																		
STD2 220-52870/2 IC			10:57	X	X																		
ICV 220-52870/3	1		11:01	X	X																		
ICB 220-52870/4	1		11:05	X	X																		
CRI 220-52870/5	1		11:08	X	X																		
ICSA 220-52870/6	1		11:11	X	X																		
ICSAB 220-52870/7	1		11:14	X	X																		
CCV 220-52870/8	1		11:18	X	X																		
CCB 220-52870/9	1		11:22	X	X																		
MB 220-52817/1-A	1	T	11:25	X	X																		
LCS 220-52817/2-A	1	T	11:28	X	X																		
ZZZZZZ			11:31																				
ZZZZZZ			11:35																				
ZZZZZZ			11:38																				
ZZZZZZ			11:41																				
ZZZZZZ			11:44																				
ZZZZZZ			11:47																				
ZZZZZZ			11:50																				
ZZZZZZ			11:53																				
CCV 220-52870/20	1		11:57	X	X																		
CCB 220-52870/21	1		12:00	X	X																		
ZZZZZZ			12:03																				
ZZZZZZ			12:06																				
ZZZZZZ			12:10																				
ZZZZZZ			12:13																				
ZZZZZZ			12:16																				
ZZZZZZ			12:19																				
ZZZZZZ			12:23																				
ZZZZZZ			12:26																				
ZZZZZZ			12:29																				
ZZZZZZ			12:33																				
CCV 220-52870/32	1		12:36	X	X																		
CCB 220-52870/33	1		12:39	X	X																		
ZZZZZZ			12:43																				
220-15975-1	1	T	12:46	X	X																		
220-15975-2	1	T	12:49	X	X																		
220-15975-3	1	T	12:52	X	X																		
220-15975-4	1	T	12:55	X	X																		
220-15975-5	1	T	12:58	X	X																		
ZZZZZZ			13:34																				
ZZZZZZ			13:37																				
ZZZZZZ			13:40																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: ICAP3 Method: 6010B

Start Date: 07/14/2011 10:54 End Date: 07/14/2011 14:58

Lab Sample ID	D / F	Type	Time	Analytes																				
				V	Zn																			
ZZZZZZ			13:44																					
CCV 220-52870/44	1		13:47	X	X																			
CCB 220-52870/45	1		13:51	X	X																			
ZZZZZZ			13:59																					
ZZZZZZ			14:02																					
ZZZZZZ			14:06																					
ZZZZZZ			14:09																					
ZZZZZZ			14:12																					
ZZZZZZ			14:15																					
ZZZZZZ			14:18																					
ZZZZZZ			14:21																					
ZZZZZZ			14:24																					
ZZZZZZ			14:28																					
CCV 220-52870/56			14:31																					
CCB 220-52870/57			14:35																					
ZZZZZZ			14:38																					
ZZZZZZ			14:41																					
ZZZZZZ			14:44																					
ZZZZZZ			14:47																					
ZZZZZZ			14:51																					
CCV 220-52870/63			14:54																					
CCB 220-52870/64			14:58																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: ICAP3 Method: 6010B

Start Date: 07/20/2011 10:56 End Date: 07/20/2011 15:55

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
STD1 220-53096/1 IC			10:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD2 220-53096/2 IC			11:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 220-53096/3	1		11:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 220-53096/4	1		11:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 220-53096/5	1		11:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 220-53096/6	1		11:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 220-53096/7	1		11:17	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X
CCV 220-53096/8			11:20																				
CCB 220-53096/9			11:24																				
ZZZZZZ			11:27																				
ZZZZZZ			11:30																				
ZZZZZZ			11:34																				
ZZZZZZ			11:37																				
ZZZZZZ			11:40																				
ZZZZZZ			11:44																				
ZZZZZZ			11:47																				
ZZZZZZ			11:50																				
ZZZZZZ			11:53																				
ZZZZZZ			11:56																				
CCV 220-53096/20			11:59																				
CCB 220-53096/21			12:03																				
ZZZZZZ			12:06																				
ZZZZZZ			12:09																				
ZZZZZZ			12:12																				
ZZZZZZ			12:15																				
ZZZZZZ			12:18																				
ZZZZZZ			12:21																				
ZZZZZZ			12:24																				
ZZZZZZ			12:27																				
ZZZZZZ			12:30																				
ZZZZZZ			12:33																				
CCV 220-53096/32			12:36																				
CCB 220-53096/33			12:40																				
ZZZZZZ			12:43																				
ZZZZZZ			12:46																				
ZZZZZZ			12:49																				
ZZZZZZ			12:52																				
ZZZZZZ			12:55																				
ZZZZZZ			12:59																				
ZZZZZZ			13:02																				
ZZZZZZ			13:05																				
ZZZZZZ			13:08																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: ICAP3 Method: 6010B

Start Date: 07/20/2011 10:56 End Date: 07/20/2011 15:55

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			13:12																				
CCV 220-53096/44	1		13:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 220-53096/45	1		13:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 220-53046/1-A	1	T	13:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:25																				
ZZZZZZ			13:28																				
ZZZZZZ			13:31																				
ZZZZZZ			13:35																				
220-15975-8	1	T	13:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
220-15975-8 DU	1	T	13:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
220-15975-8 MS	1	T	13:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
220-15975-8 MSD	1	T	13:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 220-53046/2-A	1	T	13:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 220-53096/56	1		13:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 220-53096/57	1		13:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
220-15975-8 SD	5	T	14:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:04																				
ZZZZZZ			14:08																				
ZZZZZZ			14:11																				
ZZZZZZ			14:15																				
220-15975-6	1	T	14:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
220-15975-7	1	T	14:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
220-15975-9	1	T	14:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
220-15975-10	1	T	14:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:31																				
CCV 220-53096/68	1		14:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 220-53096/69	1		14:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:41																				
ZZZZZZ			14:44																				
ZZZZZZ			14:47																				
ZZZZZZ			14:50																				
ZZZZZZ			14:53																				
ZZZZZZ			14:56																				
ZZZZZZ			15:00																				
ZZZZZZ			15:04																				
ZZZZZZ			15:07																				
ZZZZZZ			15:10																				
CCV 220-53096/80			15:13																				
CCB 220-53096/81			15:17																				
ZZZZZZ			15:20																				
ZZZZZZ			15:23																				
ZZZZZZ			15:26																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: ICAP3 Method: 6010B

Start Date: 07/20/2011 10:56 End Date: 07/20/2011 15:55

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			15:29																					
ZZZZZZ			15:32																					
ZZZZZZ			15:35																					
ZZZZZZ			15:39																					
ZZZZZZ			15:42																					
ZZZZZZ			15:45																					
ZZZZZZ			15:48																					
CCV 220-53096/92			15:51																					
CCB 220-53096/93			15:55																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: ICAP3 Method: 6010B

Start Date: 07/20/2011 10:56 End Date: 07/20/2011 15:55

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
STD1 220-53096/1 IC			10:56	X	X																		
STD2 220-53096/2 IC			11:00	X	X																		
ICV 220-53096/3	1		11:03	X	X																		
ICB 220-53096/4	1		11:07	X	X																		
CRI 220-53096/5	1		11:10	X	X																		
ICSA 220-53096/6	1		11:13	X	X																		
ICSAB 220-53096/7	1		11:17	X	X																		
CCV 220-53096/8			11:20																				
CCB 220-53096/9			11:24																				
ZZZZZZ			11:27																				
ZZZZZZ			11:30																				
ZZZZZZ			11:34																				
ZZZZZZ			11:37																				
ZZZZZZ			11:40																				
ZZZZZZ			11:44																				
ZZZZZZ			11:47																				
ZZZZZZ			11:50																				
ZZZZZZ			11:53																				
ZZZZZZ			11:56																				
CCV 220-53096/20			11:59																				
CCB 220-53096/21			12:03																				
ZZZZZZ			12:06																				
ZZZZZZ			12:09																				
ZZZZZZ			12:12																				
ZZZZZZ			12:15																				
ZZZZZZ			12:18																				
ZZZZZZ			12:21																				
ZZZZZZ			12:24																				
ZZZZZZ			12:27																				
ZZZZZZ			12:30																				
ZZZZZZ			12:33																				
CCV 220-53096/32			12:36																				
CCB 220-53096/33			12:40																				
ZZZZZZ			12:43																				
ZZZZZZ			12:46																				
ZZZZZZ			12:49																				
ZZZZZZ			12:52																				
ZZZZZZ			12:55																				
ZZZZZZ			12:59																				
ZZZZZZ			13:02																				
ZZZZZZ			13:05																				
ZZZZZZ			13:08																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: ICAP3 Method: 6010B

Start Date: 07/20/2011 10:56 End Date: 07/20/2011 15:55

Lab Sample ID	D / F	Type	Time	Analytes																				
				V	Zn																			
ZZZZZZ			13:12																					
CCV 220-53096/44	1		13:15	X	X																			
CCB 220-53096/45	1		13:19	X	X																			
MB 220-53046/1-A	1	T	13:22	X	X																			
ZZZZZZ			13:25																					
ZZZZZZ			13:28																					
ZZZZZZ			13:31																					
ZZZZZZ			13:35																					
220-15975-8	1	T	13:38	X	X																			
220-15975-8 DU	1	T	13:41	X	X																			
220-15975-8 MS	1	T	13:44	X	X																			
220-15975-8 MSD	1	T	13:47	X	X																			
LCS 220-53046/2-A	1	T	13:50	X	X																			
CCV 220-53096/56	1		13:54	X	X																			
CCB 220-53096/57	1		13:58	X	X																			
220-15975-8 SD	5	T	14:01	X	X																			
ZZZZZZ			14:04																					
ZZZZZZ			14:08																					
ZZZZZZ			14:11																					
ZZZZZZ			14:15																					
220-15975-6	1	T	14:19	X	X																			
220-15975-7	1	T	14:22	X	X																			
220-15975-9	1	T	14:25	X	X																			
220-15975-10	1	T	14:28	X	X																			
ZZZZZZ			14:31																					
CCV 220-53096/68	1		14:34	X	X																			
CCB 220-53096/69	1		14:38	X	X																			
ZZZZZZ			14:41																					
ZZZZZZ			14:44																					
ZZZZZZ			14:47																					
ZZZZZZ			14:50																					
ZZZZZZ			14:53																					
ZZZZZZ			14:56																					
ZZZZZZ			15:00																					
ZZZZZZ			15:04																					
ZZZZZZ			15:07																					
ZZZZZZ			15:10																					
CCV 220-53096/80			15:13																					
CCB 220-53096/81			15:17																					
ZZZZZZ			15:20																					
ZZZZZZ			15:23																					
ZZZZZZ			15:26																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: ICAP3 Method: 6010B

Start Date: 07/20/2011 10:56 End Date: 07/20/2011 15:55

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			15:29																				
ZZZZZZ			15:32																				
ZZZZZZ			15:35																				
ZZZZZZ			15:39																				
ZZZZZZ			15:42																				
ZZZZZZ			15:45																				
ZZZZZZ			15:48																				
CCV 220-53096/92			15:51																				
CCB 220-53096/93			15:55																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: MERC1 Method: 7470A

Start Date: 07/19/2011 13:32 End Date: 07/19/2011 14:16

Lab Sample ID	D/F	Type	Time	Analytes																				
				Hg																				
ZZZZZZ			13:32																					
ZZZZZZ			13:33																					
ZZZZZZ			13:34																					
ZZZZZZ			13:35																					
ZZZZZZ			13:36																					
ZZZZZZ			13:38																					
ICV 220-53033/7	1		13:39	X																				
ICB 220-53033/8	1		13:40	X																				
MB 220-53012/1-A	1	T	13:41	X																				
LCS 220-53012/2-A	1	T	13:42	X																				
ZZZZZZ			13:43																					
ZZZZZZ			13:44																					
ZZZZZZ			13:45																					
ZZZZZZ			13:46																					
ZZZZZZ			13:47																					
ZZZZZZ			13:48																					
ZZZZZZ			13:49																					
ZZZZZZ			13:50																					
CCV 220-53033/19	1		13:51	X																				
CCB 220-53033/20	1		13:52	X																				
ZZZZZZ			13:53																					
ZZZZZZ			13:54																					
ZZZZZZ			13:55																					
ZZZZZZ			13:57																					
ZZZZZZ			13:57																					
ZZZZZZ			13:58																					
ZZZZZZ			13:59																					
ZZZZZZ			14:00																					
ZZZZZZ			14:01																					
ZZZZZZ			14:02																					
CCV 220-53033/31	1		14:03	X																				
CCB 220-53033/32	1		14:05	X																				
220-15975-1	1	T	14:06	X																				
220-15975-1 DU	1	T	14:06	X																				
220-15975-1 MS	1	T	14:07	X																				
220-15975-2	1	T	14:09	X																				
220-15975-3	1	T	14:10	X																				
220-15975-4	1	T	14:10	X																				
220-15975-5	1	T	14:11	X																				
220-15975-6	1	T	14:12	X																				
220-15975-7	1	T	14:13	X																				
CCV 220-53033/42	1		14:15	X																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: MERC1 Method: 7470A

Start Date: 07/19/2011 13:32 End Date: 07/19/2011 14:16

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
CCB 220-53033/43	1		14:16	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: MERC1 Method: 7470A

Start Date: 07/21/2011 14:40 End Date: 07/21/2011 15:28

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			14:40																				
ZZZZZZ			14:41																				
ZZZZZZ			14:42																				
ZZZZZZ			14:44																				
ZZZZZZ			14:45																				
ZZZZZZ			14:46																				
ICV 220-53143/7	1		14:48	X																			
ICB 220-53143/8	1		14:49	X																			
MB 220-53086/1-A	1	T	14:50	X																			
LCS 220-53086/2-A	1	T	14:51	X																			
ZZZZZZ			14:52																				
ZZZZZZ			14:53																				
ZZZZZZ			14:54																				
ZZZZZZ			14:56																				
220-15975-8	1	T	14:57	X																			
220-15975-8 DU	1	T	14:58	X																			
220-15975-8 MS	1	T	14:59	X																			
220-15975-8 MSD	1	T	15:00	X																			
CCV 220-53143/19	1		15:01	X																			
CCB 220-53143/20	1		15:03	X																			
220-15975-9	1	T	15:03	X																			
220-15975-10	1	T	15:04	X																			
ZZZZZZ			15:05																				
ZZZZZZ			15:06																				
ZZZZZZ			15:07																				
ZZZZZZ			15:08																				
ZZZZZZ			15:09																				
ZZZZZZ			15:10																				
ZZZZZZ			15:11																				
ZZZZZZ			15:12																				
CCV 220-53143/31	1		15:13	X																			
CCB 220-53143/32	1		15:14	X																			
ZZZZZZ			15:15																				
ZZZZZZ			15:16																				
ZZZZZZ			15:17																				
ZZZZZZ			15:18																				
ZZZZZZ			15:19																				
ZZZZZZ			15:19																				
ZZZZZZ			15:20																				
ZZZZZZ			15:21																				
ZZZZZZ			15:25																				
CCV 220-53143/42			15:26																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Instrument ID: MERC1 Method: 7470A

Start Date: 07/21/2011 14:40 End Date: 07/21/2011 15:28

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
CCB 220-53143/43			15:28																				

Prep Types

T = Total/NA

TestAmerica

128 Long Hill Cross Roads
Shelton, Connecticut, 06484

METALS QUALITY CONTROL APPROVAL REPORT

Batch Number 52870

	1st Level Review	Comments
Chain of Custody forms have been completed.	✓	
Initial Calibration meets the following criteria*: ( )CLP ( )EPA200.7 ( )NYSDEC (✓)SW846 ( )Other	✓	
Continuing calibration meets the following criteria*: ( )CLP ( )EPA200.7 ( )NYSDEC (✓)SW846 ( )Other	✓	
Correct analytical sequence followed (CRI, ICSA,etc.) and criteria* met.	✓	
All blank criteria* met. ( )CLP ( )EPA200.7 ( )NYSDEC (✓)SW846 ( )Other	✓	
IDLs, Linear Range and IECs current.	✓	
LSC, MS,MD, MSD (if required) meet acceptance limits*: ( )CLP ( )EPA200.7 ( )NYSDEC (✓)SW846 ( )Other	✓	
Serial dilution analyzed once per SDG or 20 samples.	✓	
Post digestion spike performed as required.	✓	
Flagging correct.	✓	
All raw data submitted as per deliverable requiements.	✓	
Prep batch completed with proper information.	✓	
All deviations, prep and anlaysis methods noted in NCMs.	✓	

* Reference SOPs for appropriate acceptance criteria.

This data meets the requirements of the Metals SOP's, unless otherwise documented in a NCM.

[signature] Date 7/14/11

Authorizing Signature (2nd level Review)

TestAmerica Form #MEF01105.CT

Analysis Begun

Start Time: 7/14/2011 10:54:46 AM
Plasma On Time: 7/14/2011 8:46:01 AM
Logged In Analyst: ctmetals
Technique: ICP Continuous
Spectrometer Model: Optima 4300 DV, S/N 077N3101802Autosampler Model: AS-93plus

Sample Information File: C:\pe\4300cycloneAT\Sample Information\071411.sif
Batch ID:
Results Data Set: 071411d
Results Library: C:\PE\4300cycloneAT\2007 Results\Results.mdb

Method Loaded
Method Name: TA4
Method Last Saved: 6/3/2011 3:55:02 PM
IEC File: ta23.iec
MSF File:
Method Description: TA4

Sequence No.: 1
Autosampler Location: 1
Sample ID: STD1
Date Collected: 7/14/2011 10:54:47 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Mean Data: STD1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	757608.7	9780.47	1.29%	1.000	mg/L
Y (radial)	96551.3	944.35	0.98%	1.000	mg/L
Ag 328.068†	-306.3	13.94	4.55%	[0.00]	ug/L
Al 396.153†	234.5	40.32	17.19%	[0.00]	ug/L
As 188.979†	-9.7	0.75	7.73%	[0.00]	ug/L
Ba 233.527†	-66.2	6.19	9.35%	[0.00]	ug/L
Be 313.107†	-2095.3	45.49	2.17%	[0.00]	ug/L
Ca 317.933†	729.1	26.58	3.65%	[0.00]	ug/L
Cd 214.440†	125.3	3.21	2.56%	[0.00]	ug/L
Co 228.616†	-14.1	11.99	84.99%	[0.00]	ug/L
Cr 267.716†	26.5	2.70	10.18%	[0.00]	ug/L
Fe 238.204†	35.3	3.73	10.55%	[0.00]	ug/L
K 766.490†	254.8	118.56	46.53%	[0.00]	ug/L
Mg 285.213†	16.9	3.69	21.91%	[0.00]	ug/L
Mn 257.610†	17.1	2.07	12.10%	[0.00]	ug/L
Mo 202.031†	-4.0	1.05	26.31%	[0.00]	ug/L
Na 589.592†	2242.9	158.20	7.05%	[0.00]	ug/L
Ni 231.604†	-11.2	2.22	19.78%	[0.00]	ug/L
Pb 220.353†	17.8	7.40	41.62%	[0.00]	ug/L
Sb 206.836†	18.5	7.60	40.96%	[0.00]	ug/L
Se 196.026†	13.2	1.11	8.40%	[0.00]	ug/L
V 311.071†	3017.0	37.53	1.24%	[0.00]	ug/L
Sn 189.927†	-12.7	3.04	23.96%	[0.00]	ug/L
Sr 421.552†	88.0	1.51	1.71%	[0.00]	ug/L
Tl 190.801†	-39.5	7.80	19.73%	[0.00]	ug/L
Zn 206.200†	4.7	1.22	26.13%	[0.00]	ug/L
Ti 334.940†	-117.6	28.89	24.56%	[0.00]	ug/L
B 249.772†	296.5	2.00	0.68%	[0.00]	ug/L
Cu 324.752†	4576.2	15.11	0.33%	[0.00]	ug/L
S 181.975†	6.3	0.64	10.16%	[0.00]	ug/L
Zr 343.823†	286.2	0.93	0.32%	[0.00]	ug/L
Li 670.784†	-154.4	53.19	34.44%	[0.00]	ug/L

Sequence No.: 2
Autosampler Location: 2
Sample ID: STD2
Date Collected: 7/14/2011 10:57:55 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Mean Data: STD2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	729974.8	309.52	0.04%	0.964	mg/L
Y (radial)	96752.1	1856.73	1.92%	1.002	mg/L
Ag 328.068†	69026.7	62.05	0.09%	[500]	ug/L
Al 396.153†	87897.5	234.67	0.27%	[11000]	ug/L
As 188.979†	1616.8	10.81	0.67%	[2000]	ug/L
Ba 233.527†	54708.5	272.30	0.50%	[1000]	ug/L
Be 313.107†	1030315.9	3149.27	0.31%	[1000]	ug/L
Ca 317.933†	359260.9	1521.20	0.42%	[50000]	ug/L
Cd 214.440†	32098.9	140.73	0.44%	[1000]	ug/L
Co 228.616†	11838.3	39.90	0.34%	[1000]	ug/L
Cr 267.716†	20574.7	27.74	0.13%	[1000]	ug/L
Fe 238.204†	40507.8	101.69	0.25%	[21000]	ug/L
K 766.490†	279064.7	1420.21	0.51%	[50000]	ug/L
Mg 285.213†	495890.2	1074.50	0.22%	[50000]	ug/L
Mn 257.610†	355101.7	1095.12	0.31%	[1000]	ug/L
Mo 202.031†	4108.6	12.01	0.29%	[1000]	ug/L
Na 589.592†	368095.6	7030.38	1.91%	[50000]	ug/L
Ni 231.604†	7054.9	7.73	0.11%	[1000]	ug/L
Pb 220.353†	1361.1	10.99	0.81%	[1000]	ug/L
Sb 206.836†	1323.6	0.28	0.02%	[1000]	ug/L
Se 196.026†	451.0	8.24	1.83%	[1000]	ug/L
V 311.071†	163316.7	562.79	0.34%	[1000]	ug/L
Sn 189.927†	1559.7	5.41	0.35%	[1000]	ug/L
Sr 421.552†	707096.5	10927.00	1.55%	[1000]	ug/L
Tl 190.801†	1352.5	8.59	0.64%	[1000]	ug/L
Zn 206.200†	9890.9	3.02	0.03%	[1000]	ug/L
Ti 334.940†	489383.5	1358.08	0.28%	[1000]	ug/L
B 249.772†	29764.2	143.87	0.48%	[1000]	ug/L
Cu 324.752†	240006.9	114.83	0.05%	[1000]	ug/L
S 181.975†	2171.8	8.64	0.40%	[20000]	ug/L
Zr 343.823†	213516.8	133.27	0.06%	[1000]	ug/L
Li 670.784†	190298.7	1728.64	0.91%	[1000]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin, Calc Int	-0.0	138.1	0.00000	1.000000	
Al 396.153	1	Lin, Calc Int	0.0	7.991	0.00000	1.000000	
As 188.979	1	Lin, Calc Int	0.0	0.8084	0.00000	1.000000	
Ba 233.527	1	Lin, Calc Int	0.0	54.71	0.00000	1.000000	
Be 313.107	1	Lin, Calc Int	0.0	1030	0.00000	1.000000	
Ca 317.933	1	Lin, Calc Int	0.0	7.185	0.00000	1.000000	
Cd 214.440	1	Lin, Calc Int	0.0	32.10	0.00000	1.000000	
Co 228.616	1	Lin, Calc Int	0.0	11.84	0.00000	1.000000	
Cr 267.716	1	Lin, Calc Int	0.0	20.57	0.00000	1.000000	
Fe 238.204	1	Lin, Calc Int	0.0	1.929	0.00000	1.000000	
K 766.490	1	Lin, Calc Int	0.0	5.581	0.00000	1.000000	
Mg 285.213	1	Lin, Calc Int	0.0	9.918	0.00000	1.000000	
Mn 257.610	1	Lin, Calc Int	0.0	355.1	0.00000	1.000000	
Mo 202.031	1	Lin, Calc Int	0.0	4.109	0.00000	1.000000	
Na 589.592	1	Lin, Calc Int	-0.0	7.362	0.00000	1.000000	
Ni 231.604	1	Lin, Calc Int	-0.0	7.055	0.00000	1.000000	
Pb 220.353	1	Lin, Calc Int	0.0	1.361	0.00000	1.000000	
Sb 206.836	1	Lin, Calc Int	0.0	1.324	0.00000	1.000000	
Se 196.026	1	Lin, Calc Int	0.0	0.4510	0.00000	1.000000	
V 311.071	1	Lin, Calc Int	0.0	163.3	0.00000	1.000000	
Sn 189.927	1	Lin, Calc Int	0.0	1.560	0.00000	1.000000	
Sr 421.552	1	Lin, Calc Int	0.0	707.1	0.00000	1.000000	
Tl 190.801	1	Lin, Calc Int	0.0	1.352	0.00000	1.000000	
Zn 206.200	1	Lin, Calc Int	-0.0	9.891	0.00000	1.000000	
Ti 334.940	1	Lin, Calc Int	0.0	489.4	0.00000	1.000000	
B 249.772	1	Lin, Calc Int	0.0	29.76	0.00000	1.000000	
Cu 324.752	1	Lin, Calc Int	0.0	240.0	0.00000	1.000000	
S 181.975	1	Lin, Calc Int	0.0	0.1086	0.00000	1.000000	
Zr 343.823	1	Lin, Calc Int	0.0	213.5	0.00000	1.000000	
Li 670.784	1	Lin, Calc Int	0.0	190.3	0.00000	1.000000	

Sequence No.: 3 Autosampler Location: 3

Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 7/14/2011 11:01:30 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	753532.8	0.995	mg/L	0.0163				1.63%
Y (radial)	96196.5	0.996	mg/L	0.0054				0.55%
Ag 328.068†	34708.3	249.8	ug/L	0.09	249.8	ug/L	0.09	0.04%
QC value within limits for Ag 328.068 Recovery = 99.93%								
Al 396.153†	40574.5	5055	ug/L	18.7	5055	ug/L	18.7	0.37%
QC value within limits for Al 396.153 Recovery = 101.10%								
As 188.979†	428.7	532.2	ug/L	9.26	532.2	ug/L	9.26	1.74%
QC value within limits for As 188.979 Recovery = 106.44%								
Ba 233.527†	28019.1	513.1	ug/L	2.44	513.1	ug/L	2.44	0.48%
QC value within limits for Ba 233.527 Recovery = 102.62%								
Be 313.107†	520671.1	507.3	ug/L	0.76	507.3	ug/L	0.76	0.15%
QC value within limits for Be 313.107 Recovery = 101.47%								
Ca 317.933†	133158.8	18530	ug/L	80.5	18530	ug/L	80.5	0.43%
QC value within limits for Ca 317.933 Recovery = 100.17%								
Cd 214.440†	16774.5	522.4	ug/L	2.85	522.4	ug/L	2.85	0.55%
QC value within limits for Cd 214.440 Recovery = 104.49%								
Co 228.616†	6008.7	507.3	ug/L	12.50	507.3	ug/L	12.50	2.46%
QC value within limits for Co 228.616 Recovery = 101.47%								
Cr 267.716†	10519.7	512.0	ug/L	12.67	512.0	ug/L	12.67	2.47%
QC value within limits for Cr 267.716 Recovery = 102.41%								
Fe 238.204†	10956.7	5680	ug/L	14.8	5680	ug/L	14.8	0.26%
QC value within limits for Fe 238.204 Recovery = 103.28%								
K 766.490†	226559.8	40590	ug/L	605.8	40590	ug/L	605.8	1.49%
QC value within limits for K 766.490 Recovery = 101.48%								
Mg 285.213†	193548.8	19520	ug/L	293.4	19520	ug/L	293.4	1.50%
QC value within limits for Mg 285.213 Recovery = 105.51%								
Mn 257.610†	182922.4	514.3	ug/L	2.17	514.3	ug/L	2.17	0.42%
QC value within limits for Mn 257.610 Recovery = 102.85%								
Mo 202.031†	1989.6	484.5	ug/L	14.83	484.5	ug/L	14.83	3.06%
QC value within limits for Mo 202.031 Recovery = 96.90%								
Na 589.592†	299451.9	40680	ug/L	536.9	40680	ug/L	536.9	1.32%
QC value within limits for Na 589.592 Recovery = 101.69%								
Ni 231.604†	3597.2	510.4	ug/L	13.92	510.4	ug/L	13.92	2.73%
QC value within limits for Ni 231.604 Recovery = 102.08%								
Pb 220.353†	676.3	498.2	ug/L	14.43	498.2	ug/L	14.43	2.90%
QC value within limits for Pb 220.353 Recovery = 99.63%								
Sb 206.836†	651.9	494.6	ug/L	16.93	494.6	ug/L	16.93	3.42%
QC value within limits for Sb 206.836 Recovery = 98.93%								
Se 196.026†	217.7	491.8	ug/L	29.50	491.8	ug/L	29.50	6.00%
QC value within limits for Se 196.026 Recovery = 98.36%								
V 311.071†	81702.9	491.9	ug/L	1.98	491.9	ug/L	1.98	0.40%
QC value within limits for V 311.071 Recovery = 98.39%								
Sn 189.927†	765.9	494.3	ug/L	17.64	494.3	ug/L	17.64	3.57%
QC value within limits for Sn 189.927 Recovery = 98.86%								
Sr 421.552†	358398.1	506.6	ug/L	6.54	506.6	ug/L	6.54	1.29%
QC value within limits for Sr 421.552 Recovery = 101.32%								
Tl 190.801†	690.3	516.7	ug/L	7.59	516.7	ug/L	7.59	1.47%
QC value within limits for Tl 190.801 Recovery = 103.34%								
Zn 206.200†	4978.9	507.7	ug/L	14.45	507.7	ug/L	14.45	2.85%
QC value within limits for Zn 206.200 Recovery = 101.54%								
Ti 334.940†	251672.4	514.3	ug/L	1.77	514.3	ug/L	1.77	0.34%
QC value within limits for Ti 334.940 Recovery = 102.85%								
B 249.772†	14168.6	451.7	ug/L	11.54	451.7	ug/L	11.54	2.55%
QC value within limits for B 249.772 Recovery = 90.34%								
Cu 324.752†	122673.1	511.8	ug/L	2.06	511.8	ug/L	2.06	0.40%
QC value within limits for Cu 324.752 Recovery = 102.36%								
S 181.975†	987.5	9687	ug/L	45.9	9687	ug/L	45.9	0.47%
QC value within limits for S 181.975 Recovery = 96.87%								
Zr 343.823†	105589.0	488.2	ug/L	1.16	488.2	ug/L	1.16	0.24%
QC value within limits for Zr 343.823 Recovery = 97.64%								
Li 670.784†	96630.5	507.8	ug/L	6.94	507.8	ug/L	6.94	1.37%
QC value within limits for Li 670.784 Recovery = 101.56%								

All analyte(s) passed QC.

Sequence No.: 4
Sample ID: ICB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/14/2011 11:05:01 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	751033.3	0.991	mg/L	0.0195				1.97%
Y (radial)	96582.2	1.000	mg/L	0.0151				1.51%
Ag 328.068†	-8.6	-0.067	ug/L	0.0403	-0.067	ug/L	0.0403	60.27%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-24.5	-3.136	ug/L	0.4555	-3.136	ug/L	0.4555	14.52%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	2.8	3.423	ug/L	2.0998	3.423	ug/L	2.0998	61.34%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	3.5	0.063	ug/L	0.2783	0.063	ug/L	0.2783	442.28%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	50.9	0.049	ug/L	0.0553	0.049	ug/L	0.0553	111.94%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	-18.4	-2.560	ug/L	3.4162	-2.560	ug/L	3.4162	133.47%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	14.9	0.465	ug/L	0.1624	0.465	ug/L	0.1624	34.93%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-1.7	-0.146	ug/L	0.2420	-0.146	ug/L	0.2420	165.86%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	6.0	0.291	ug/L	0.4368	0.291	ug/L	0.4368	150.32%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Fe 238.204†	-3.9	-2.033	ug/L	2.1567	-2.033	ug/L	2.1567	106.07%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	77.5	13.88	ug/L	12.329	13.88	ug/L	12.329	88.83%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	5.3	0.534	ug/L	0.2751	0.534	ug/L	0.2751	51.55%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	-3.6	-0.010	ug/L	0.0096	-0.010	ug/L	0.0096	95.22%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	6.0	1.468	ug/L	1.0432	1.468	ug/L	1.0432	71.08%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-380.1	-51.62	ug/L	4.767	-51.62	ug/L	4.767	9.23%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	9.1	1.291	ug/L	0.5929	1.291	ug/L	0.5929	45.92%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	11.9	8.754	ug/L	5.0413	8.754	ug/L	5.0413	57.59%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	8.8	6.648	ug/L	0.0610	6.648	ug/L	0.0610	0.92%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	4.6	10.14	ug/L	6.685	10.14	ug/L	6.685	65.96%
QC value within limits for Se 196.026 Recovery = Not calculated								
V 311.071†	-32.9	-0.205	ug/L	0.3763	-0.205	ug/L	0.3763	183.79%
QC value within limits for V 311.071 Recovery = Not calculated								
Sn 189.927†	3.0	1.922	ug/L	0.8179	1.922	ug/L	0.8179	42.54%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	33.1	0.047	ug/L	0.1123	0.047	ug/L	0.1123	239.95%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Tl 190.801†	-2.1	-1.549	ug/L	3.9560	-1.549	ug/L	3.9560	255.41%
QC value within limits for Tl 190.801 Recovery = Not calculated								
Zn 206.200†	-3.5	-0.347	ug/L	0.2595	-0.347	ug/L	0.2595	74.71%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Ti 334.940†	11.2	0.023	ug/L	0.0663	0.023	ug/L	0.0663	289.48%
QC value within limits for Ti 334.940 Recovery = Not calculated								
B 249.772†	116.1	3.908	ug/L	0.4207	3.908	ug/L	0.4207	10.77%
QC value within limits for B 249.772 Recovery = Not calculated								
Cu 324.752†	-264.3	-1.101	ug/L	0.1677	-1.101	ug/L	0.1677	15.23%
QC value within limits for Cu 324.752 Recovery = Not calculated								
S 181.975†	-0.7	-6.810	ug/L	29.6468	-6.810	ug/L	29.6468	435.32%
QC value within limits for S 181.975 Recovery = Not calculated								
Zr 343.823†	130.7	0.580	ug/L	0.0274	0.580	ug/L	0.0274	4.73%
QC value within limits for Zr 343.823 Recovery = Not calculated								

Li 670.784† 130.3 0.685 ug/L 0.0154 0.685 ug/L 0.0154 2.26%
QC value within limits for Li 670.784 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 5
Sample ID: CRI
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 7/14/2011 11:08:11 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	750977.4	0.991	mg/L	0.0003				0.03%
Y (radial)	95953.2	0.994	mg/L	0.0161				1.62%
Ag 328.068†	254.8	1.689	ug/L	0.0692	1.689	ug/L	0.0692	4.10%
QC value within limits for Ag 328.068 Recovery = 84.43%								
Al 396.153†	3927.9	490.1	ug/L	4.66	490.1	ug/L	4.66	0.95%
QC value within limits for Al 396.153 Recovery = 98.02%								
As 188.979†	24.5	30.22	ug/L	3.073	30.22	ug/L	3.073	10.17%
QC value within limits for As 188.979 Recovery = 100.73%								
Ba 233.527†	576.0	10.55	ug/L	0.011	10.55	ug/L	0.011	0.11%
QC value within limits for Ba 233.527 Recovery = 105.47%								
Be 313.107†	10565.6	10.37	ug/L	0.185	10.37	ug/L	0.185	1.78%
QC value within limits for Be 313.107 Recovery = 103.74%								
Ca 317.933†	7207.1	1003	ug/L	4.9	1003	ug/L	4.9	0.49%
QC value within limits for Ca 317.933 Recovery = 100.30%								
Cd 214.440†	343.9	10.71	ug/L	0.148	10.71	ug/L	0.148	1.38%
QC value within limits for Cd 214.440 Recovery = 107.07%								
Co 228.616†	115.0	9.685	ug/L	0.0058	9.685	ug/L	0.0058	0.06%
QC value within limits for Co 228.616 Recovery = 96.85%								
Cr 267.716†	216.9	10.57	ug/L	0.077	10.57	ug/L	0.077	0.73%
QC value within limits for Cr 267.716 Recovery = 105.70%								
Fe 238.204†	504.3	261.4	ug/L	4.53	261.4	ug/L	4.53	1.73%
QC value within limits for Fe 238.204 Recovery = 104.57%								
K 766.490†	5717.7	1024	ug/L	9.8	1024	ug/L	9.8	0.96%
QC value within limits for K 766.490 Recovery = 102.44%								
Mg 285.213†	10377.2	1047	ug/L	6.6	1047	ug/L	6.6	0.63%
QC value within limits for Mg 285.213 Recovery = 104.65%								
Mn 257.610†	3781.1	10.60	ug/L	0.072	10.60	ug/L	0.072	0.68%
QC value within limits for Mn 257.610 Recovery = 106.01%								
Mo 202.031†	129.6	31.56	ug/L	0.521	31.56	ug/L	0.521	1.65%
QC value within limits for Mo 202.031 Recovery = 105.21%								
Na 589.592†	6927.5	941.0	ug/L	3.20	941.0	ug/L	3.20	0.34%
QC value within limits for Na 589.592 Recovery = 94.10%								
Ni 231.604†	75.6	10.72	ug/L	0.128	10.72	ug/L	0.128	1.19%
QC value within limits for Ni 231.604 Recovery = 107.22%								
Pb 220.353†	44.5	32.79	ug/L	0.195	32.79	ug/L	0.195	0.59%
QC value within limits for Pb 220.353 Recovery = 109.31%								
Sb 206.836†	46.6	35.66	ug/L	1.790	35.66	ug/L	1.790	5.02%
QC value within limits for Sb 206.836 Recovery = 118.86%								
Se 196.026†	24.5	54.78	ug/L	5.822	54.78	ug/L	5.822	10.63%
QC value within limits for Se 196.026 Recovery = 73.04%								
V 311.071†	1712.0	9.985	ug/L	0.3475	9.985	ug/L	0.3475	3.48%
QC value within limits for V 311.071 Recovery = 99.85%								
Sn 189.927†	46.5	30.00	ug/L	3.182	30.00	ug/L	3.182	10.61%
QC value within limits for Sn 189.927 Recovery = 100.00%								
Sr 421.552†	6946.5	9.810	ug/L	0.0476	9.810	ug/L	0.0476	0.49%
QC value within limits for Sr 421.552 Recovery = 98.10%								
Tl 190.801†	43.1	32.34	ug/L	7.833	32.34	ug/L	7.833	24.22%
QC value within limits for Tl 190.801 Recovery = 107.80%								
Zn 206.200†	300.4	30.46	ug/L	0.665	30.46	ug/L	0.665	2.18%
QC value within limits for Zn 206.200 Recovery = 101.54%								
Ti 334.940†	15048.8	30.75	ug/L	0.131	30.75	ug/L	0.131	0.43%
QC value within limits for Ti 334.940 Recovery = 102.50%								
B 249.772†	1431.3	46.97	ug/L	0.351	46.97	ug/L	0.351	0.75%
QC value within limits for B 249.772 Recovery = 93.94%								
Cu 324.752†	4390.5	18.33	ug/L	0.024	18.33	ug/L	0.024	0.13%
QC value within limits for Cu 324.752 Recovery = 91.63%								
S 181.975†	110.1	1045	ug/L	14.1	1045	ug/L	14.1	1.35%

QC value within limits for S 181.975 Recovery = 104.54%

Zr 343.823†	6373.8	29.54 ug/L	0.112	29.54 ug/L	0.112	0.38%

QC value within limits for Zr 343.823 Recovery = 98.46%

Li 670.784†	2081.4	10.94 ug/L	0.018	10.94 ug/L	0.018	0.16%

QC value within limits for Li 670.784 Recovery = 109.37%

All analyte(s) passed QC.

Sequence No.: 6 **Autosampler Location: 5**
Sample ID: ICSA **Date Collected: 7/14/2011 11:11:22 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	653669.6	0.863	mg/L	0.0052				0.60%
Y (radial)	91518.1	0.948	mg/L	0.0005				0.05%
Ag 328.068†	-1900.5	-4.975	ug/L	0.8785	-4.975	ug/L	0.8785	17.66%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	4271255.7	534500	ug/L	5170.1	534500	ug/L	5170.1	0.97%
QC value within limits for Al 396.153 Recovery = 106.91%								
As 188.979†	1.4	1.260	ug/L	19.2212	1.260	ug/L	19.2212	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	420.0	4.838	ug/L	0.1090	4.838	ug/L	0.1090	2.25%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-256.4	-0.281	ug/L	0.0393	-0.281	ug/L	0.0393	13.97%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	3496657.0	486600	ug/L	4247.1	486600	ug/L	4247.1	0.87%
QC value within limits for Ca 317.933 Recovery = 97.33%								
Cd 214.440†	136.8	-1.016	ug/L	0.5189	-1.016	ug/L	0.5189	51.06%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	41.4	-3.789	ug/L	1.1340	-3.789	ug/L	1.1340	29.93%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-131.8	2.360	ug/L	1.3540	2.360	ug/L	1.3540	57.38%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Fe 238.204†	356871.2	185000	ug/L	1581.8	185000	ug/L	1581.8	0.85%
QC value within limits for Fe 238.204 Recovery = 92.50%								
K 766.490†	204.0	36.55	ug/L	4.751	36.55	ug/L	4.751	13.00%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	4669861.9	471000	ug/L	5128.2	471000	ug/L	5128.2	1.09%
QC value within limits for Mg 285.213 Recovery = 94.20%								
Mn 257.610†	-1297.8	-24.75	ug/L	0.122	-24.75	ug/L	0.122	0.49%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-33.4	-0.905	ug/L	0.2737	-0.905	ug/L	0.2737	30.24%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-279.4	-37.96	ug/L	8.320	-37.96	ug/L	8.320	21.92%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	2.1	-1.790	ug/L	2.5946	-1.790	ug/L	2.5946	144.99%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-34.1	2.664	ug/L	2.8179	2.664	ug/L	2.8179	105.77%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-49.7	14.76	ug/L	3.524	14.76	ug/L	3.524	23.86%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-115.3	6.111	ug/L	29.9757	6.111	ug/L	29.9757	490.49%
QC value within limits for Se 196.026 Recovery = Not calculated								
V 311.071†	1474.0	1.860	ug/L	0.2049	1.860	ug/L	0.2049	11.02%
QC value within limits for V 311.071 Recovery = Not calculated								
Sn 189.927†	-42.0	-7.204	ug/L	12.2020	-7.204	ug/L	12.2020	169.38%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	19292.1	20.33	ug/L	0.192	20.33	ug/L	0.192	0.94%
QC value greater than the upper limit for Sr 421.552 Recovery = Not calculated								
Tl 190.801†	-66.2	-15.97	ug/L	8.997	-15.97	ug/L	8.997	56.35%
QC value within limits for Tl 190.801 Recovery = Not calculated								
Zn 206.200†	5.5	0.505	ug/L	1.2089	0.505	ug/L	1.2089	239.33%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Ti 334.940†	-4053.3	-8.283	ug/L	0.2010	-8.283	ug/L	0.2010	2.43%
QC value within limits for Ti 334.940 Recovery = Not calculated								
B 249.772†	20770.6	-93.71	ug/L	12.405	-93.71	ug/L	12.405	13.24%
QC value within limits for B 249.772 Recovery = Not calculated								

Cu 324.752†	-5422.3	-0.025 ug/L	0.8956	-0.025 ug/L	0.8956	>999.9%
QC value within limits for Cu 324.752 Recovery = Not calculated						
S 181.975†	-1526.1	275.4 ug/L	274.16	275.4 ug/L	274.16	99.56%
QC value within limits for S 181.975 Recovery = Not calculated						
Zr 343.823†	1103.7	0.405 ug/L	0.4165	0.405 ug/L	0.4165	102.86%
QC value within limits for Zr 343.823 Recovery = Not calculated						
Li 670.784†	1112.0	5.843 ug/L	0.1928	5.843 ug/L	0.1928	3.30%
QC value within limits for Li 670.784 Recovery = Not calculated						

QC Failed. Continue with analysis.

Sequence No.: 7 **Autosampler Location: 6**
Sample ID: ICSAB **Date Collected: 7/14/2011 11:14:59 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	649907.1	0.858	mg/L	0.0028				0.33%
Y (radial)	89836.8	0.930	mg/L	0.0022				0.23%
Ag 328.068†	13472.7	104.6	ug/L	1.25	104.6	ug/L	1.25	1.19%
QC value within limits for Ag 328.068 Recovery = 104.55%								
Al 396.153†	4321713.7	540800	ug/L	1928.7	540800	ug/L	1928.7	0.36%
QC value within limits for Al 396.153 Recovery = 108.16%								
As 188.979†	381.4	472.8	ug/L	8.93	472.8	ug/L	8.93	1.89%
QC value within limits for As 188.979 Recovery = 94.55%								
Ba 233.527†	27403.5	499.1	ug/L	3.30	499.1	ug/L	3.30	0.66%
QC value within limits for Ba 233.527 Recovery = 99.82%								
Be 313.107†	507768.9	494.8	ug/L	0.83	494.8	ug/L	0.83	0.17%
QC value within limits for Be 313.107 Recovery = 98.95%								
Ca 317.933†	3523464.6	490400	ug/L	177.5	490400	ug/L	177.5	0.04%
QC value within limits for Ca 317.933 Recovery = 98.08%								
Cd 214.440†	14733.0	453.7	ug/L	1.68	453.7	ug/L	1.68	0.37%
QC value within limits for Cd 214.440 Recovery = 90.74%								
Co 228.616†	5455.6	453.5	ug/L	1.41	453.5	ug/L	1.41	0.31%
QC value within limits for Co 228.616 Recovery = 90.70%								
Cr 267.716†	10037.0	497.1	ug/L	1.33	497.1	ug/L	1.33	0.27%
QC value within limits for Cr 267.716 Recovery = 99.42%								
Fe 238.204†	359049.3	186100	ug/L	56.2	186100	ug/L	56.2	0.03%
QC value within limits for Fe 238.204 Recovery = 93.07%								
K 766.490†	229.2	41.07	ug/L	10.643	41.07	ug/L	10.643	25.91%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	4744224.3	478500	ug/L	1418.8	478500	ug/L	1418.8	0.30%
QC value within limits for Mg 285.213 Recovery = 95.70%								
Mn 257.610†	171533.1	461.6	ug/L	1.74	461.6	ug/L	1.74	0.38%
QC value within limits for Mn 257.610 Recovery = 92.32%								
Mo 202.031†	1940.1	479.5	ug/L	5.82	479.5	ug/L	5.82	1.21%
QC value within limits for Mo 202.031 Recovery = 95.89%								
Na 589.592†	-308.0	-41.83	ug/L	7.685	-41.83	ug/L	7.685	18.37%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	3175.4	448.5	ug/L	2.70	448.5	ug/L	2.70	0.60%
QC value within limits for Ni 231.604 Recovery = 89.70%								
Pb 220.353†	624.0	488.0	ug/L	9.79	488.0	ug/L	9.79	2.01%
QC value within limits for Pb 220.353 Recovery = 97.60%								
Sb 206.836†	643.8	539.3	ug/L	12.44	539.3	ug/L	12.44	2.31%
QC value within limits for Sb 206.836 Recovery = 107.87%								
Se 196.026†	337.1	1011	ug/L	81.2	1011	ug/L	81.2	8.03%
QC value within limits for Se 196.026 Recovery = 101.11%								
V 311.071†	83094.1	493.5	ug/L	2.03	493.5	ug/L	2.03	0.41%
QC value within limits for V 311.071 Recovery = 98.70%								
Sn 189.927†	698.1	469.9	ug/L	17.94	469.9	ug/L	17.94	3.82%
QC value within limits for Sn 189.927 Recovery = 93.98%								
Sr 421.552†	373080.1	520.6	ug/L	1.88	520.6	ug/L	1.88	0.36%
QC value within limits for Sr 421.552 Recovery = 104.12%								
Tl 190.801†	564.1	455.7	ug/L	13.77	455.7	ug/L	13.77	3.02%
QC value within limits for Tl 190.801 Recovery = 91.15%								
Zn 206.200†	4418.5	450.8	ug/L	0.19	450.8	ug/L	0.19	0.04%
QC value within limits for Zn 206.200 Recovery = 90.16%								
Ti 334.940†	245238.7	501.1	ug/L	2.05	501.1	ug/L	2.05	0.41%

QC value within limits for Ti 334.940 Recovery = 100.22%

B 249.772†	35470.6	395.3 ug/L	4.52	395.3 ug/L	4.52	1.14%

QC value less than the lower limit for B 249.772 Recovery = 79.07%

Cu 324.752†	131464.9	570.5 ug/L	4.83	570.5 ug/L	4.83	0.85%

QC value within limits for Cu 324.752 Recovery = 114.09%

S 181.975†	-1500.4	739.9 ug/L	158.17	739.9 ug/L	158.17	21.38%

QC value within limits for S 181.975 Recovery = Not calculated

Zr 343.823†	107319.6	492.2 ug/L	0.06	492.2 ug/L	0.06	0.01%

QC value within limits for Zr 343.823 Recovery = 98.45%

Li 670.784†	103495.1	543.9 ug/L	0.97	543.9 ug/L	0.97	0.18%

QC value within limits for Li 670.784 Recovery = 108.77%

QC Failed. Continue with analysis.

Sequence No.: 8
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 7/14/2011 11:18:29 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	750077.4	0.990	mg/L	0.0012				0.12%
Y (radial)	98026.0	1.015	mg/L	0.0076				0.75%
Ag 328.068†	34535.5	248.6	ug/L	0.13	248.6	ug/L	0.13	0.05%
QC value within limits for Ag 328.068 Recovery = 99.43%								
Al 396.153†	40530.1	5050	ug/L	25.9	5050	ug/L	25.9	0.51%
QC value within limits for Al 396.153 Recovery = 100.99%								
As 188.979†	431.4	535.6	ug/L	6.30	535.6	ug/L	6.30	1.18%
QC value within limits for As 188.979 Recovery = 107.12%								
Ba 233.527†	27872.9	510.4	ug/L	2.63	510.4	ug/L	2.63	0.52%
QC value within limits for Ba 233.527 Recovery = 102.09%								
Be 313.107†	521002.2	507.7	ug/L	1.97	507.7	ug/L	1.97	0.39%
QC value within limits for Be 313.107 Recovery = 101.53%								
Ca 317.933†	133577.3	18590	ug/L	41.4	18590	ug/L	41.4	0.22%
QC value within limits for Ca 317.933 Recovery = 100.49%								
Cd 214.440†	16883.0	525.8	ug/L	3.45	525.8	ug/L	3.45	0.66%
QC value within limits for Cd 214.440 Recovery = 105.16%								
Co 228.616†	6021.3	508.4	ug/L	4.87	508.4	ug/L	4.87	0.96%
QC value within limits for Co 228.616 Recovery = 101.68%								
Cr 267.716†	10566.2	514.3	ug/L	5.14	514.3	ug/L	5.14	1.00%
QC value within limits for Cr 267.716 Recovery = 102.86%								
Fe 238.204†	11077.8	5743	ug/L	24.2	5743	ug/L	24.2	0.42%
QC value within limits for Fe 238.204 Recovery = 104.42%								
K 766.490†	215995.8	38700	ug/L	549.4	38700	ug/L	549.4	1.42%
QC value within limits for K 766.490 Recovery = 96.75%								
Mg 285.213†	187914.5	18950	ug/L	244.6	18950	ug/L	244.6	1.29%
QC value within limits for Mg 285.213 Recovery = 102.44%								
Mn 257.610†	182916.4	514.3	ug/L	1.08	514.3	ug/L	1.08	0.21%
QC value within limits for Mn 257.610 Recovery = 102.85%								
Mo 202.031†	1998.1	486.6	ug/L	1.93	486.6	ug/L	1.93	0.40%
QC value within limits for Mo 202.031 Recovery = 97.31%								
Na 589.592†	287561.8	39060	ug/L	379.4	39060	ug/L	379.4	0.97%
QC value within limits for Na 589.592 Recovery = 97.65%								
Ni 231.604†	3630.8	515.1	ug/L	3.25	515.1	ug/L	3.25	0.63%
QC value within limits for Ni 231.604 Recovery = 103.03%								
Pb 220.353†	688.2	506.9	ug/L	4.73	506.9	ug/L	4.73	0.93%
QC value within limits for Pb 220.353 Recovery = 101.38%								
Sb 206.836†	655.4	497.3	ug/L	1.71	497.3	ug/L	1.71	0.34%
QC value within limits for Sb 206.836 Recovery = 99.46%								
Se 196.026†	212.5	480.4	ug/L	2.13	480.4	ug/L	2.13	0.44%
QC value within limits for Se 196.026 Recovery = 96.08%								
V 311.071†	81464.5	490.5	ug/L	0.11	490.5	ug/L	0.11	0.02%
QC value within limits for V 311.071 Recovery = 98.10%								
Sn 189.927†	777.1	501.5	ug/L	6.62	501.5	ug/L	6.62	1.32%
QC value within limits for Sn 189.927 Recovery = 100.30%								
Sr 421.552†	345751.1	488.7	ug/L	5.67	488.7	ug/L	5.67	1.16%
QC value within limits for Sr 421.552 Recovery = 97.74%								
Tl 190.801†	701.0	524.7	ug/L	1.27	524.7	ug/L	1.27	0.24%
QC value within limits for Tl 190.801 Recovery = 104.93%								

Zn 206.200†	5033.6	513.2 ug/L	5.14	513.2 ug/L	5.14	1.00%
QC value within limits for Zn 206.200 Recovery = 102.65%						
Ti 334.940†	251118.6	513.1 ug/L	0.20	513.1 ug/L	0.20	0.04%
QC value within limits for Ti 334.940 Recovery = 102.63%						
B 249.772†	14170.6	451.5 ug/L	4.40	451.5 ug/L	4.40	0.97%
QC value within limits for B 249.772 Recovery = 90.30%						
Cu 324.752†	121532.6	507.1 ug/L	1.55	507.1 ug/L	1.55	0.31%
QC value within limits for Cu 324.752 Recovery = 101.41%						
S 181.975†	992.0	9712 ug/L	9.2	9712 ug/L	9.2	0.09%
QC value within limits for S 181.975 Recovery = 97.12%						
Zr 343.823†	105516.5	487.8 ug/L	0.42	487.8 ug/L	0.42	0.09%
QC value within limits for Zr 343.823 Recovery = 97.56%						
Li 670.784†	92316.4	485.1 ug/L	2.92	485.1 ug/L	2.92	0.60%
QC value within limits for Li 670.784 Recovery = 97.02%						

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/14/2011 11:22:01 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	740413.2	0.977	mg/L	0.0186				1.90%
Y (radial)	96222.3	0.997	mg/L	0.0132				1.32%
Ag 328.068†	-41.1	-0.303	ug/L	0.1420	-0.303	ug/L	0.1420	46.88%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	44.9	5.604	ug/L	3.0917	5.604	ug/L	3.0917	55.17%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-1.0	-1.209	ug/L	0.6649	-1.209	ug/L	0.6649	55.00%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-2.7	-0.050	ug/L	0.1262	-0.050	ug/L	0.1262	250.25%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-50.2	-0.049	ug/L	0.0115	-0.049	ug/L	0.0115	23.53%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	-12.6	-1.752	ug/L	3.1134	-1.752	ug/L	3.1134	177.68%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	2.7	0.084	ug/L	0.0226	0.084	ug/L	0.0226	27.04%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-4.5	-0.379	ug/L	0.0059	-0.379	ug/L	0.0059	1.56%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	16.6	0.805	ug/L	0.2014	0.805	ug/L	0.2014	25.01%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Fe 238.204†	17.6	9.106	ug/L	0.5072	9.106	ug/L	0.5072	5.57%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	98.7	17.69	ug/L	0.898	17.69	ug/L	0.898	5.07%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	-2.6	-0.255	ug/L	0.1172	-0.255	ug/L	0.1172	45.89%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	-9.3	-0.026	ug/L	0.0016	-0.026	ug/L	0.0016	6.08%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	1.0	0.249	ug/L	0.6131	0.249	ug/L	0.6131	245.80%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-712.9	-96.84	ug/L	2.060	-96.84	ug/L	2.060	2.13%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-4.0	-0.573	ug/L	0.2451	-0.573	ug/L	0.2451	42.82%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	2.4	1.768	ug/L	1.1641	1.768	ug/L	1.1641	65.83%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	5.2	3.923	ug/L	4.9860	3.923	ug/L	4.9860	127.10%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	8.0	17.72	ug/L	8.991	17.72	ug/L	8.991	50.75%
QC value within limits for Se 196.026 Recovery = Not calculated								
V 311.071†	-64.1	-0.396	ug/L	0.0536	-0.396	ug/L	0.0536	13.54%
QC value within limits for V 311.071 Recovery = Not calculated								
Sn 189.927†	4.7	3.029	ug/L	2.3958	3.029	ug/L	2.3958	79.11%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	2.4	0.003	ug/L	0.0693	0.003	ug/L	0.0693	>999.9%

QC value within limits for Sr 421.552 Recovery = Not calculated

Tl 190.801†	2.8	2.056 ug/L	2.3599	2.056 ug/L	2.3599	114.81%

QC value within limits for Tl 190.801 Recovery = Not calculated

Zn 206.200†	3.1	0.321 ug/L	0.1243	0.321 ug/L	0.1243	38.73%

QC value within limits for Zn 206.200 Recovery = Not calculated

Ti 334.940†	-3.3	-0.007 ug/L	0.0105	-0.007 ug/L	0.0105	157.60%

QC value within limits for Ti 334.940 Recovery = Not calculated

B 249.772†	81.1	2.686 ug/L	0.1237	2.686 ug/L	0.1237	4.61%

QC value within limits for B 249.772 Recovery = Not calculated

Cu 324.752†	-401.0	-1.670 ug/L	0.2704	-1.670 ug/L	0.2704	16.19%

QC value within limits for Cu 324.752 Recovery = Not calculated

S 181.975†	1.3	12.23 ug/L	36.011	12.23 ug/L	36.011	294.35%

QC value within limits for S 181.975 Recovery = Not calculated

Zr 343.823†	153.2	0.729 ug/L	0.3256	0.729 ug/L	0.3256	44.68%

QC value within limits for Zr 343.823 Recovery = Not calculated

Li 670.784†	68.3	0.359 ug/L	0.1068	0.359 ug/L	0.1068	29.79%

QC value within limits for Li 670.784 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: mb 220-52817/1-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 7/14/2011 11:25:09 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: mb 220-52817/1-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	738657.0	0.975	mg/L	0.0241				2.47%
Y (radial)	93328.9	0.967	mg/L	0.0170				1.76%
Ag 328.068†	26.4	0.189	ug/L	0.1646	0.189	ug/L	0.1646	86.86%
Al 396.153†	-73.3	-9.185	ug/L	2.6246	-9.185	ug/L	2.6246	28.58%
As 188.979†	3.5	4.353	ug/L	2.9101	4.353	ug/L	2.9101	66.85%
Ba 233.527†	1.6	0.030	ug/L	0.0752	0.030	ug/L	0.0752	254.66%
Be 313.107†	-40.8	-0.040	ug/L	0.0254	-0.040	ug/L	0.0254	63.43%
Ca 317.933†	-125.0	-17.40	ug/L	3.139	-17.40	ug/L	3.139	18.04%
Cd 214.440†	13.7	0.425	ug/L	0.3496	0.425	ug/L	0.3496	82.25%
Co 228.616†	7.5	0.636	ug/L	1.0770	0.636	ug/L	1.0770	169.36%
Cr 267.716†	10.4	0.504	ug/L	0.3975	0.504	ug/L	0.3975	78.84%
Fe 238.204†	35.7	18.49	ug/L	1.027	18.49	ug/L	1.027	5.55%
K 766.490†	251.1	44.98	ug/L	6.156	44.98	ug/L	6.156	13.68%
Mg 285.213†	15.5	1.582	ug/L	1.2475	1.582	ug/L	1.2475	78.87%
Mn 257.610†	140.8	0.396	ug/L	0.0081	0.396	ug/L	0.0081	2.04%
Mo 202.031†	0.5	0.130	ug/L	0.5635	0.130	ug/L	0.5635	434.08%
Na 589.592†	-360.0	-48.90	ug/L	7.669	-48.90	ug/L	7.669	15.68%
Ni 231.604†	7.9	1.120	ug/L	0.4586	1.120	ug/L	0.4586	40.93%
Pb 220.353†	1.2	0.910	ug/L	0.7356	0.910	ug/L	0.7356	80.87%
Sb 206.836†	5.1	3.896	ug/L	0.7779	3.896	ug/L	0.7779	19.97%
Se 196.026†	-2.7	-5.871	ug/L	7.8427	-5.871	ug/L	7.8427	133.58%
V 311.071†	10.0	0.060	ug/L	0.0042	0.060	ug/L	0.0042	7.05%
Sn 189.927†	9.3	5.953	ug/L	2.9017	5.953	ug/L	2.9017	48.75%
Sr 421.552†	-4.9	-0.007	ug/L	0.0614	-0.007	ug/L	0.0614	918.44%
Tl 190.801†	-2.6	-1.936	ug/L	6.2383	-1.936	ug/L	6.2383	322.22%
Zn 206.200†	50.4	5.095	ug/L	0.8036	5.095	ug/L	0.8036	15.77%
Ti 334.940†	-50.2	-0.103	ug/L	0.0359	-0.103	ug/L	0.0359	35.00%
B 249.772†	34.2	1.070	ug/L	0.5464	1.070	ug/L	0.5464	51.06%
Cu 324.752†	-154.0	-0.639	ug/L	0.6973	-0.639	ug/L	0.6973	109.04%
S 181.975†	8.1	74.72	ug/L	15.308	74.72	ug/L	15.308	20.49%
Zr 343.823†	81.5	0.341	ug/L	0.1729	0.341	ug/L	0.1729	50.68%
Li 670.784†	288.8	1.518	ug/L	0.3508	1.518	ug/L	0.3508	23.11%

Sequence No.: 11
Sample ID: lcs 220-52817/2-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 7/14/2011 11:28:20 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: lcs 220-52817/2-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	741431.3	0.979	mg/L	0.0108				1.10%
Y (radial)	96016.7	0.994	mg/L	0.0099				0.99%
Ag 328.068†	43965.0	312.6	ug/L	0.49	312.6	ug/L	0.49	0.16%
Al 396.153†	27992.7	3454	ug/L	9.3	3454	ug/L	9.3	0.27%
As 188.979†	841.6	1039	ug/L	3.8	1039	ug/L	3.8	0.37%
Ba 233.527†	17605.8	322.4	ug/L	0.64	322.4	ug/L	0.64	0.20%
Be 313.107†	110329.7	111.1	ug/L	0.24	111.1	ug/L	0.24	0.22%
Ca 317.933†	50045.0	6965	ug/L	25.5	6965	ug/L	25.5	0.37%
Cd 214.440†	10521.5	327.7	ug/L	4.51	327.7	ug/L	4.51	1.38%
Co 228.616†	3898.9	328.6	ug/L	3.37	328.6	ug/L	3.37	1.02%
Cr 267.716†	6707.2	326.4	ug/L	3.41	326.4	ug/L	3.41	1.05%
Fe 238.204†	6837.2	3545	ug/L	18.1	3545	ug/L	18.1	0.51%
K 766.490†	158488.7	28400	ug/L	50.8	28400	ug/L	50.8	0.18%
Mg 285.213†	70175.1	7078	ug/L	8.4	7078	ug/L	8.4	0.12%
Mn 257.610†	75902.9	213.4	ug/L	0.51	213.4	ug/L	0.51	0.24%
Mo 202.031†	4346.3	1058	ug/L	9.9	1058	ug/L	9.9	0.93%
Na 589.592†	49779.6	6762	ug/L	30.5	6762	ug/L	30.5	0.45%
Ni 231.604†	2338.7	331.8	ug/L	3.81	331.8	ug/L	3.81	1.15%
Pb 220.353†	1463.3	1078	ug/L	9.2	1078	ug/L	9.2	0.85%
Sb 206.836†	1378.2	1054	ug/L	0.9	1054	ug/L	0.9	0.08%
Se 196.026†	245.4	548.3	ug/L	13.56	548.3	ug/L	13.56	2.47%
V 311.071†	53772.4	312.5	ug/L	0.13	312.5	ug/L	0.13	0.04%
Sn 189.927†	1612.6	1039	ug/L	7.3	1039	ug/L	7.3	0.71%
Sr 421.552†	-43.8	-0.161	ug/L	0.1243	-0.161	ug/L	0.1243	76.94%
Tl 190.801†	1480.3	1108	ug/L	4.4	1108	ug/L	4.4	0.39%
Zn 206.200†	3214.2	327.7	ug/L	4.42	327.7	ug/L	4.42	1.35%
Ti 334.940†	513281.7	1049	ug/L	1.4	1049	ug/L	1.4	0.13%
B 249.772†	29351.7	971.0	ug/L	1.50	971.0	ug/L	1.50	0.15%
Cu 324.752†	78902.7	329.2	ug/L	0.38	329.2	ug/L	0.38	0.12%
S 181.975†	-194.7	-1578	ug/L	73.0	-1578	ug/L	73.0	4.63%
Zr 343.823†	224781.2	1042	ug/L	0.4	1042	ug/L	0.4	0.04%
Li 670.784†	285.1	1.498	ug/L	0.6937	1.498	ug/L	0.6937	46.31%

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Sequence No.: 12
Sample ID: lb 220-52740/22-b
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 7/14/2011 11:31:51 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: lb 220-52740/22-b

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	753445.0	0.995	mg/L	0.0075				0.75%
Y (radial)	96674.6	1.001	mg/L	0.0126				1.26%
Ag 328.068†	12.2	0.079	ug/L	0.2842	0.079	ug/L	0.2842	358.13%
Al 396.153†	-40.8	-5.173	ug/L	5.5498	-5.173	ug/L	5.5498	107.27%
As 188.979†	3.7	4.528	ug/L	5.7249	4.528	ug/L	5.7249	126.44%
Ba 233.527†	4.4	0.080	ug/L	0.0698	0.080	ug/L	0.0698	87.79%
Be 313.107†	-42.3	-0.040	ug/L	0.0559	-0.040	ug/L	0.0559	138.45%
Ca 317.933†	-122.6	-17.06	ug/L	2.452	-17.06	ug/L	2.452	14.37%
Cd 214.440†	-0.7	-0.021	ug/L	0.3415	-0.021	ug/L	0.3415	>999.9%
Co 228.616†	-4.0	-0.341	ug/L	0.4678	-0.341	ug/L	0.4678	137.27%
Cr 267.716†	16.7	0.811	ug/L	0.4734	0.811	ug/L	0.4734	58.36%
Fe 238.204†	16.4	8.482	ug/L	1.3275	8.482	ug/L	1.3275	15.65%
K 766.490†	-3.3	-0.586	ug/L	4.8215	-0.586	ug/L	4.8215	822.51%
Mg 285.213†	11.0	1.116	ug/L	0.1861	1.116	ug/L	0.1861	16.67%
Mn 257.610†	64.2	0.181	ug/L	0.0214	0.181	ug/L	0.0214	11.84%
Mo 202.031†	5.5	1.345	ug/L	0.4145	1.345	ug/L	0.4145	30.83%
Na 589.592†	-904.8	-122.9	ug/L	2.15	-122.9	ug/L	2.15	1.75%
Ni 231.604†	6.2	0.872	ug/L	0.5488	0.872	ug/L	0.5488	62.90%
Pb 220.353†	-0.6	-0.437	ug/L	2.1818	-0.437	ug/L	2.1818	498.93%
Sb 206.836†	3.3	2.549	ug/L	0.2417	2.549	ug/L	0.2417	9.48%
Se 196.026†	-3.9	-8.750	ug/L	6.2413	-8.750	ug/L	6.2413	71.33%
V 311.071†	-122.4	-0.756	ug/L	0.4991	-0.756	ug/L	0.4991	65.98%
Sn 189.927†	8.8	5.624	ug/L	0.9375	5.624	ug/L	0.9375	16.67%
Sr 421.552†	-109.3	-0.154	ug/L	0.0093	-0.154	ug/L	0.0093	6.04%
Tl 190.801†	5.6	4.151	ug/L	1.4148	4.151	ug/L	1.4148	34.09%
Zn 206.200†	38.0	3.846	ug/L	0.0918	3.846	ug/L	0.0918	2.39%

Ti 334.940†	86.7	0.177 ug/L	0.0705	0.177 ug/L	0.0705	39.83%
B 249.772†	201.9	6.746 ug/L	0.1630	6.746 ug/L	0.1630	2.42%
Cu 324.752†	-371.5	-1.547 ug/L	0.2445	-1.547 ug/L	0.2445	15.81%
S 181.975†	138.0	1271 ug/L	1.2	1271 ug/L	1.2	0.09%
Zr 343.823†	228.3	1.027 ug/L	0.0648	1.027 ug/L	0.0648	6.31%
Li 670.784†	279.7	1.470 ug/L	0.5122	1.470 ug/L	0.5122	34.85%

Sequence No.: 13
Sample ID: 220-15828-d-1-g
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 7/14/2011 11:35:01 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15828-d-1-g

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	756827.7	0.999	mg/L	0.0032				0.32%
Y (radial)	101476.8	1.051	mg/L	0.0051				0.48%
Ag 328.068†	-32.7	-0.240	ug/L	0.0308	-0.240	ug/L	0.0308	12.85%
Al 396.153†	100.8	12.57	ug/L	0.761	12.57	ug/L	0.761	6.05%
As 188.979†	-4.2	-5.212	ug/L	1.2198	-5.212	ug/L	1.2198	23.41%
Ba 233.527†	883.1	16.14	ug/L	0.062	16.14	ug/L	0.062	0.38%
Be 313.107†	-9.2	-0.008	ug/L	0.0455	-0.008	ug/L	0.0455	584.25%
Ca 317.933†	83650.4	11640	ug/L	63.7	11640	ug/L	63.7	0.55%
Cd 214.440†	9.3	0.289	ug/L	0.3647	0.289	ug/L	0.3647	126.39%
Co 228.616†	429.0	36.26	ug/L	0.026	36.26	ug/L	0.026	0.07%
Cr 267.716†	47.6	2.316	ug/L	0.6039	2.316	ug/L	0.6039	26.07%
Fe 238.204†	58.6	30.39	ug/L	4.658	30.39	ug/L	4.658	15.33%
K 766.490†	6973.3	1249	ug/L	32.4	1249	ug/L	32.4	2.60%
Mg 285.213†	2661.2	268.4	ug/L	1.94	268.4	ug/L	1.94	0.72%
Mn 257.610†	29432.3	82.87	ug/L	0.133	82.87	ug/L	0.133	0.16%
Mo 202.031†	4.2	1.022	ug/L	0.9231	1.022	ug/L	0.9231	90.34%
Na 589.592†	240837.8	32710	ug/L	76.6	32710	ug/L	76.6	0.23%
Ni 231.604†	4717.6	668.7	ug/L	2.68	668.7	ug/L	2.68	0.40%
Pb 220.353†	0.5	0.403	ug/L	3.0355	0.403	ug/L	3.0355	753.70%
Sb 206.836†	-10.5	-6.747	ug/L	1.0486	-6.747	ug/L	1.0486	15.54%
Se 196.026†	-0.8	1.789	ug/L	6.1425	1.789	ug/L	6.1425	343.40%
V 311.071†	-38.5	-0.121	ug/L	0.3817	-0.121	ug/L	0.3817	314.45%
Sn 189.927†	-3.0	-1.449	ug/L	0.7681	-1.449	ug/L	0.7681	52.99%
Sr 421.552†	25853.0	36.40	ug/L	0.061	36.40	ug/L	0.061	0.17%
Tl 190.801†	5.9	4.584	ug/L	0.8065	4.584	ug/L	0.8065	17.59%
Zn 206.200†	151.6	15.34	ug/L	0.521	15.34	ug/L	0.521	3.39%
Ti 334.940†	147.4	0.301	ug/L	0.0291	0.301	ug/L	0.0291	9.67%
B 249.772†	3264.2	109.5	ug/L	0.07	109.5	ug/L	0.07	0.07%
Cu 324.752†	2006.3	8.363	ug/L	0.0151	8.363	ug/L	0.0151	0.18%
S 181.975†	1981.0	18250	ug/L	55.1	18250	ug/L	55.1	0.30%
Zr 343.823†	127.4	0.602	ug/L	0.0657	0.602	ug/L	0.0657	10.91%
Li 670.784†	744.3	3.911	ug/L	0.1505	3.911	ug/L	0.1505	3.85%

Sequence No.: 14
Sample ID: 220-15828-d-2-i
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 7/14/2011 11:38:10 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15828-d-2-i

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	742319.9	0.980	mg/L	0.0083				0.84%
Y (radial)	97906.5	1.014	mg/L	0.0021				0.21%
Ag 328.068†	-29.2	-0.208	ug/L	0.2466	-0.208	ug/L	0.2466	118.43%
Al 396.153†	330.3	41.28	ug/L	2.667	41.28	ug/L	2.667	6.46%
As 188.979†	4.9	6.145	ug/L	0.0957	6.145	ug/L	0.0957	1.56%
Ba 233.527†	633.9	11.59	ug/L	0.005	11.59	ug/L	0.005	0.04%
Be 313.107†	-61.7	-0.054	ug/L	0.0117	-0.054	ug/L	0.0117	21.42%
Ca 317.933†	18987.3	2643	ug/L	3.0	2643	ug/L	3.0	0.11%
Cd 214.440†	8.0	0.247	ug/L	0.1314	0.247	ug/L	0.1314	53.16%
Co 228.616†	120.4	10.17	ug/L	0.048	10.17	ug/L	0.048	0.48%

Cr 267.716†	64.2	3.126 ug/L	0.4151	3.126 ug/L	0.4151	13.28%
Fe 238.204†	138.4	71.75 ug/L	1.980	71.75 ug/L	1.980	2.76%
K 766.490†	5995.3	1074 ug/L	2.8	1074 ug/L	2.8	0.26%
Mg 285.213†	1522.7	153.6 ug/L	0.21	153.6 ug/L	0.21	0.14%
Mn 257.610†	22250.3	62.65 ug/L	0.398	62.65 ug/L	0.398	0.64%
Mo 202.031†	4.8	1.171 ug/L	0.9905	1.171 ug/L	0.9905	84.59%
Na 589.592†	174696.3	23730 ug/L	23.2	23730 ug/L	23.2	0.10%
Ni 231.604†	2024.4	287.0 ug/L	1.14	287.0 ug/L	1.14	0.40%
Pb 220.353†	-2.1	-1.508 ug/L	6.5000	-1.508 ug/L	6.5000	431.05%
Sb 206.836†	-0.8	-0.380 ug/L	0.9777	-0.380 ug/L	0.9777	257.43%
Se 196.026†	-1.2	-1.836 ug/L	10.9343	-1.836 ug/L	10.9343	595.69%
V 311.071†	71.6	0.446 ug/L	0.0972	0.446 ug/L	0.0972	21.81%
Sn 189.927†	1.1	0.789 ug/L	0.8062	0.789 ug/L	0.8062	102.14%
Sr 421.552†	11535.5	16.28 ug/L	0.103	16.28 ug/L	0.103	0.63%
Tl 190.801†	-3.3	-2.363 ug/L	9.3872	-2.363 ug/L	9.3872	397.30%
Zn 206.200†	43.0	4.372 ug/L	0.3106	4.372 ug/L	0.3106	7.10%
Ti 334.940†	689.0	1.408 ug/L	0.0654	1.408 ug/L	0.0654	4.65%
B 249.772†	3089.6	103.5 ug/L	0.37	103.5 ug/L	0.37	0.35%
Cu 324.752†	6533.0	27.23 ug/L	0.252	27.23 ug/L	0.252	0.93%
S 181.975†	580.6	5351 ug/L	72.5	5351 ug/L	72.5	1.35%
Zr 343.823†	51.6	0.154 ug/L	0.0449	0.154 ug/L	0.0449	29.26%
Li 670.784†	300.8	1.581 ug/L	0.2219	1.581 ug/L	0.2219	14.04%

Sequence No.: 15
Sample ID: 220-15828-d-2-j du
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 7/14/2011 11:41:19 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15828-d-2-j du

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 371.029	744440.0	0.983	mg/L	0.0031				0.31%
Y (radial)	98873.6	1.024	mg/L	0.0024				0.23%
Ag 328.068†	-34.0	-0.244	ug/L	0.0801	-0.244	ug/L	0.0801	32.78%
Al 396.153†	301.3	37.58	ug/L	1.782	37.58	ug/L	1.782	4.74%
As 188.979†	2.5	3.102	ug/L	3.7674	3.102	ug/L	3.7674	121.45%
Ba 233.527†	624.5	11.41	ug/L	0.166	11.41	ug/L	0.166	1.46%
Be 313.107†	-121.1	-0.112	ug/L	0.0595	-0.112	ug/L	0.0595	52.90%
Ca 317.933†	18879.4	2628	ug/L	4.4	2628	ug/L	4.4	0.17%
Cd 214.440†	9.1	0.281	ug/L	0.3750	0.281	ug/L	0.3750	133.48%
Co 228.616†	122.2	10.33	ug/L	0.917	10.33	ug/L	0.917	8.88%
Cr 267.716†	69.6	3.387	ug/L	0.1658	3.387	ug/L	0.1658	4.90%
Fe 238.204†	125.4	65.00	ug/L	0.435	65.00	ug/L	0.435	0.67%
K 766.490†	5973.8	1070	ug/L	33.4	1070	ug/L	33.4	3.12%
Mg 285.213†	1488.2	150.1	ug/L	0.31	150.1	ug/L	0.31	0.21%
Mn 257.610†	22251.7	62.66	ug/L	0.027	62.66	ug/L	0.027	0.04%
Mo 202.031†	10.9	2.662	ug/L	0.6715	2.662	ug/L	0.6715	25.22%
Na 589.592†	174162.9	23660	ug/L	88.6	23660	ug/L	88.6	0.37%
Ni 231.604†	1991.1	282.2	ug/L	1.63	282.2	ug/L	1.63	0.58%
Pb 220.353†	-0.7	-0.545	ug/L	2.6589	-0.545	ug/L	2.6589	487.99%
Sb 206.836†	-0.7	-0.266	ug/L	4.8843	-0.266	ug/L	4.8843	>999.9%
Se 196.026†	-3.2	-6.341	ug/L	3.1216	-6.341	ug/L	3.1216	49.23%
V 311.071†	11.4	0.078	ug/L	0.4646	0.078	ug/L	0.4646	594.79%
Sn 189.927†	6.9	4.514	ug/L	1.9984	4.514	ug/L	1.9984	44.27%
Sr 421.552†	11465.5	16.18	ug/L	0.120	16.18	ug/L	0.120	0.74%
Tl 190.801†	-1.5	-1.065	ug/L	5.3421	-1.065	ug/L	5.3421	501.47%
Zn 206.200†	50.4	5.120	ug/L	0.7019	5.120	ug/L	0.7019	13.71%
Ti 334.940†	656.4	1.341	ug/L	0.0440	1.341	ug/L	0.0440	3.28%
B 249.772†	3019.1	101.2	ug/L	0.09	101.2	ug/L	0.09	0.09%
Cu 324.752†	6438.5	26.83	ug/L	0.729	26.83	ug/L	0.729	2.72%
S 181.975†	583.5	5378	ug/L	29.6	5378	ug/L	29.6	0.55%
Zr 343.823†	51.8	0.183	ug/L	0.0269	0.183	ug/L	0.0269	14.69%
Li 670.784†	234.6	1.233	ug/L	0.6230	1.233	ug/L	0.6230	50.53%

Sequence No.: 16
Sample ID: 220-15828-d-2-k ms
Analyst:
Initial Sample Wt:

Autosampler Location: 44
Date Collected: 7/14/2011 11:44:28 AM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: 220-15828-d-2-k ms

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	739790.8	0.976	mg/L	0.0070				0.72%
Y (radial)	95002.1	0.984	mg/L	0.0147				1.49%
Ag 328.068†	17621.2	125.4	ug/L	0.20	125.4	ug/L	0.20	0.16%
Al 396.153†	28144.7	3503	ug/L	6.1	3503	ug/L	6.1	0.18%
As 188.979†	337.3	416.6	ug/L	0.21	416.6	ug/L	0.21	0.05%
Ba 233.527†	7855.2	143.8	ug/L	0.95	143.8	ug/L	0.95	0.66%
Be 313.107†	44764.2	45.10	ug/L	0.148	45.10	ug/L	0.148	0.33%
Ca 317.933†	69529.6	9677	ug/L	1.0	9677	ug/L	1.0	0.01%
Cd 214.440†	4224.2	131.5	ug/L	0.46	131.5	ug/L	0.46	0.35%
Co 228.616†	1658.8	139.7	ug/L	0.16	139.7	ug/L	0.16	0.12%
Cr 267.716†	2743.6	133.6	ug/L	0.18	133.6	ug/L	0.18	0.13%
Fe 238.204†	6944.9	3600	ug/L	9.1	3600	ug/L	9.1	0.25%
K 766.490†	91513.3	16400	ug/L	21.1	16400	ug/L	21.1	0.13%
Mg 285.213†	71331.2	7195	ug/L	17.5	7195	ug/L	17.5	0.24%
Mn 257.610†	53450.7	150.2	ug/L	0.13	150.2	ug/L	0.13	0.09%
Mo 202.031†	1728.5	420.8	ug/L	3.77	420.8	ug/L	3.77	0.90%
Na 589.592†	231595.3	31460	ug/L	38.8	31460	ug/L	38.8	0.12%
Ni 231.604†	2961.1	419.8	ug/L	2.58	419.8	ug/L	2.58	0.62%
Pb 220.353†	575.6	424.0	ug/L	0.99	424.0	ug/L	0.99	0.23%
Sb 206.836†	538.5	412.7	ug/L	1.46	412.7	ug/L	1.46	0.35%
Se 196.026†	97.2	220.7	ug/L	10.75	220.7	ug/L	10.75	4.87%
V 311.071†	21698.7	126.0	ug/L	0.94	126.0	ug/L	0.94	0.75%
Sn 189.927†	649.7	419.0	ug/L	3.95	419.0	ug/L	3.95	0.94%
Sr 421.552†	11838.8	16.60	ug/L	0.052	16.60	ug/L	0.052	0.31%
Tl 190.801†	590.0	442.3	ug/L	1.16	442.3	ug/L	1.16	0.26%
Zn 206.200†	1308.0	133.4	ug/L	0.16	133.4	ug/L	0.16	0.12%
Ti 334.940†	208338.3	425.7	ug/L	0.16	425.7	ug/L	0.16	0.04%
B 249.772†	14952.3	487.0	ug/L	4.07	487.0	ug/L	4.07	0.84%
Cu 324.752†	38589.9	161.2	ug/L	0.82	161.2	ug/L	0.82	0.51%
S 181.975†	394.0	3847	ug/L	17.9	3847	ug/L	17.9	0.47%
Zr 343.823†	90379.4	419.0	ug/L	0.59	419.0	ug/L	0.59	0.14%
Li 670.784†	594.8	3.126	ug/L	0.2683	3.126	ug/L	0.2683	8.58%

Sequence No.: 17 Autosampler Location: 45
Sample ID: 220-15828-d-2-i sd@5 Date Collected: 7/14/2011 11:47:31 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: 220-15828-d-2-i sd@5

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	753021.8	0.994	mg/L	0.0049				0.50%
Y (radial)	94826.0	0.982	mg/L	0.0105				1.07%
Ag 328.068†	-12.1	-0.094	ug/L	0.1976	-0.094	ug/L	0.1976	210.81%
Al 396.153†	44.7	5.573	ug/L	3.5110	5.573	ug/L	3.5110	63.00%
As 188.979†	1.8	2.180	ug/L	2.0504	2.180	ug/L	2.0504	94.05%
Ba 233.527†	130.1	2.377	ug/L	0.1016	2.377	ug/L	0.1016	4.27%
Be 313.107†	-20.6	-0.019	ug/L	0.0206	-0.019	ug/L	0.0206	108.58%
Ca 317.933†	3890.2	541.4	ug/L	8.58	541.4	ug/L	8.58	1.58%
Cd 214.440†	4.1	0.127	ug/L	0.1416	0.127	ug/L	0.1416	111.67%
Co 228.616†	25.0	2.112	ug/L	0.2450	2.112	ug/L	0.2450	11.60%
Cr 267.716†	19.6	0.954	ug/L	0.1075	0.954	ug/L	0.1075	11.27%
Fe 238.204†	21.5	11.14	ug/L	1.561	11.14	ug/L	1.561	14.01%
K 766.490†	1250.4	224.0	ug/L	13.44	224.0	ug/L	13.44	6.00%
Mg 285.213†	320.1	32.28	ug/L	0.941	32.28	ug/L	0.941	2.92%
Mn 257.610†	4703.8	13.24	ug/L	0.015	13.24	ug/L	0.015	0.11%
Mo 202.031†	1.9	0.458	ug/L	0.4419	0.458	ug/L	0.4419	96.59%
Na 589.592†	34910.3	4742	ug/L	22.2	4742	ug/L	22.2	0.47%
Ni 231.604†	405.3	57.44	ug/L	0.321	57.44	ug/L	0.321	0.56%
Pb 220.353†	1.7	1.239	ug/L	5.4558	1.239	ug/L	5.4558	440.37%
Sb 206.836†	1.3	1.063	ug/L	2.6433	1.063	ug/L	2.6433	248.77%
Se 196.026†	-1.7	-3.603	ug/L	1.8704	-3.603	ug/L	1.8704	51.91%
V 311.071†	-89.5	-0.550	ug/L	0.0662	-0.550	ug/L	0.0662	12.04%

Sn 189.927†	4.0	2.593 ug/L	0.5881	2.593 ug/L	0.5881	22.68%
Sr 421.552†	2396.8	3.382 ug/L	0.1115	3.382 ug/L	0.1115	3.30%
Tl 190.801†	6.9	5.095 ug/L	1.7564	5.095 ug/L	1.7564	34.47%
Zn 206.200†	36.0	3.653 ug/L	0.2812	3.653 ug/L	0.2812	7.70%
Ti 334.940†	124.6	0.255 ug/L	0.0461	0.255 ug/L	0.0461	18.12%
B 249.772†	659.8	22.12 ug/L	0.129	22.12 ug/L	0.129	0.58%
Cu 324.752†	616.7	2.571 ug/L	0.0374	2.571 ug/L	0.0374	1.45%
S 181.975†	117.5	1083 ug/L	19.7	1083 ug/L	19.7	1.81%
Zr 343.823†	171.5	0.777 ug/L	0.0809	0.777 ug/L	0.0809	10.41%
Li 670.784†	186.2	0.978 ug/L	0.1011	0.978 ug/L	0.1011	10.34%

Sequence No.: 18
Sample ID: 220-15828-d-3-g
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 7/14/2011 11:50:40 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15828-d-3-g

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	751746.7	0.992	mg/L	0.0155				1.56%
Y (radial)	99197.5	1.027	mg/L	0.0234				2.28%
Ag 328.068†	-39.7	-0.287	ug/L	0.1070	-0.287	ug/L	0.1070	37.33%
Al 396.153†	1253.1	156.8	ug/L	3.45	156.8	ug/L	3.45	2.20%
As 188.979†	1.1	1.355	ug/L	4.5960	1.355	ug/L	4.5960	339.08%
Ba 233.527†	176.2	3.218	ug/L	0.0067	3.218	ug/L	0.0067	0.21%
Be 313.107†	-43.3	-0.028	ug/L	0.0040	-0.028	ug/L	0.0040	14.25%
Ca 317.933†	7923.3	1103	ug/L	25.3	1103	ug/L	25.3	2.29%
Cd 214.440†	8.8	0.271	ug/L	0.1659	0.271	ug/L	0.1659	61.20%
Co 228.616†	13.4	1.127	ug/L	0.3744	1.127	ug/L	0.3744	33.21%
Cr 267.716†	47.2	2.296	ug/L	0.2792	2.296	ug/L	0.2792	12.16%
Fe 238.204†	247.3	128.2	ug/L	6.55	128.2	ug/L	6.55	5.11%
K 766.490†	3171.8	568.3	ug/L	10.65	568.3	ug/L	10.65	1.87%
Mg 285.213†	1417.4	143.0	ug/L	2.41	143.0	ug/L	2.41	1.68%
Mn 257.610†	2187.6	6.154	ug/L	0.1764	6.154	ug/L	0.1764	2.87%
Mo 202.031†	3.2	0.785	ug/L	1.0157	0.785	ug/L	1.0157	129.33%
Na 589.592†	246925.8	33540	ug/L	27.7	33540	ug/L	27.7	0.08%
Ni 231.604†	506.3	71.77	ug/L	2.820	71.77	ug/L	2.820	3.93%
Pb 220.353†	6.1	4.501	ug/L	4.7942	4.501	ug/L	4.7942	106.52%
Sb 206.836†	0.2	0.295	ug/L	1.1101	0.295	ug/L	1.1101	376.09%
Se 196.026†	2.7	6.310	ug/L	18.8755	6.310	ug/L	18.8755	299.15%
V 311.071†	-39.1	-0.277	ug/L	0.0096	-0.277	ug/L	0.0096	3.47%
Sn 189.927†	6.5	4.228	ug/L	0.9651	4.228	ug/L	0.9651	22.83%
Sr 421.552†	2204.2	3.102	ug/L	0.0253	3.102	ug/L	0.0253	0.81%
Tl 190.801†	2.6	2.011	ug/L	1.5650	2.011	ug/L	1.5650	77.84%
Zn 206.200†	68.6	6.952	ug/L	0.2481	6.952	ug/L	0.2481	3.57%
Ti 334.940†	1747.7	3.571	ug/L	0.1089	3.571	ug/L	0.1089	3.05%
B 249.772†	4043.1	135.3	ug/L	3.23	135.3	ug/L	3.23	2.39%
Cu 324.752†	350.9	1.478	ug/L	0.3539	1.478	ug/L	0.3539	23.95%
S 181.975†	493.9	4553	ug/L	148.1	4553	ug/L	148.1	3.25%
Zr 343.823†	152.9	0.692	ug/L	0.2388	0.692	ug/L	0.2388	34.48%
Li 670.784†	215.0	1.130	ug/L	0.0144	1.130	ug/L	0.0144	1.27%

Sequence No.: 19
Sample ID: 220-15828-d-4-g
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 7/14/2011 11:53:49 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15828-d-4-g

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	739816.8	0.977	mg/L	0.0135				1.38%
Y (radial)	98278.0	1.018	mg/L	0.0076				0.74%
Ag 328.068†	-21.7	-0.157	ug/L	0.0375	-0.157	ug/L	0.0375	23.81%
Al 396.153†	54.2	6.751	ug/L	0.0984	6.751	ug/L	0.0984	1.46%
As 188.979†	0.6	0.795	ug/L	6.4349	0.795	ug/L	6.4349	809.45%
Ba 233.527†	1833.9	33.52	ug/L	0.776	33.52	ug/L	0.776	2.32%

Be 313.107†	-91.2	-0.088 ug/L	0.0305	-0.088 ug/L	0.0305	34.54%
Ca 317.933†	26670.4	3712 ug/L	14.7	3712 ug/L	14.7	0.40%
Cd 214.440†	10.4	0.323 ug/L	0.2236	0.323 ug/L	0.2236	69.32%
Co 228.616†	183.8	15.56 ug/L	0.918	15.56 ug/L	0.918	5.90%
Cr 267.716†	47.4	2.306 ug/L	0.5188	2.306 ug/L	0.5188	22.50%
Fe 238.204†	20.7	10.75 ug/L	1.496	10.75 ug/L	1.496	13.92%
K 766.490†	4592.0	822.7 ug/L	28.51	822.7 ug/L	28.51	3.47%
Mg 285.213†	1444.1	145.6 ug/L	0.85	145.6 ug/L	0.85	0.58%
Mn 257.610†	15723.6	44.27 ug/L	0.197	44.27 ug/L	0.197	0.44%
Mo 202.031†	3.1	0.747 ug/L	0.7796	0.747 ug/L	0.7796	104.35%
Na 589.592†	240015.4	32600 ug/L	1.9	32600 ug/L	1.9	0.01%
Ni 231.604†	2285.8	324.0 ug/L	6.64	324.0 ug/L	6.64	2.05%
Pb 220.353†	-2.9	-2.149 ug/L	1.5149	-2.149 ug/L	1.5149	70.48%
Sb 206.836†	-0.8	-0.195 ug/L	1.3570	-0.195 ug/L	1.3570	694.20%
Se 196.026†	0.1	1.230 ug/L	6.6899	1.230 ug/L	6.6899	543.92%
V 311.071†	61.6	0.413 ug/L	0.0370	0.413 ug/L	0.0370	8.97%
Sn 189.927†	2.0	1.450 ug/L	3.9050	1.450 ug/L	3.9050	269.38%
Sr 421.552†	15260.5	21.53 ug/L	0.060	21.53 ug/L	0.060	0.28%
Tl 190.801†	-0.2	-0.065 ug/L	4.5130	-0.065 ug/L	4.5130	>999.9%
Zn 206.200†	76.3	7.736 ug/L	0.0515	7.736 ug/L	0.0515	0.67%
Ti 334.940†	20.1	0.041 ug/L	0.0017	0.041 ug/L	0.0017	4.21%
B 249.772†	3161.9	106.2 ug/L	0.86	106.2 ug/L	0.86	0.81%
Cu 324.752†	-257.0	-1.069 ug/L	0.2921	-1.069 ug/L	0.2921	27.31%
S 181.975†	849.6	7828 ug/L	160.5	7828 ug/L	160.5	2.05%
Zr 343.823†	67.0	0.220 ug/L	0.1297	0.220 ug/L	0.1297	58.95%
Li 670.784†	155.8	0.819 ug/L	0.4669	0.819 ug/L	0.4669	57.01%

Sequence No.: 20 **Autosampler Location: 7**
Sample ID: CCV **Date Collected: 7/14/2011 11:57:00 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	754574.9	0.996	mg/L	0.0047				0.47%
Y (radial)	97317.0	1.008	mg/L	0.0066				0.65%
Ag 328.068†	33978.4	244.6	ug/L	1.34	244.6	ug/L	1.34	0.55%
QC value within limits for Ag 328.068 Recovery = 97.82%								
Al 396.153†	40542.7	5051	ug/L	12.0	5051	ug/L	12.0	0.24%
QC value within limits for Al 396.153 Recovery = 101.02%								
As 188.979†	428.4	531.9	ug/L	0.54	531.9	ug/L	0.54	0.10%
QC value within limits for As 188.979 Recovery = 106.37%								
Ba 233.527†	27335.0	500.6	ug/L	0.72	500.6	ug/L	0.72	0.14%
QC value within limits for Ba 233.527 Recovery = 100.11%								
Be 313.107†	517368.5	504.1	ug/L	1.19	504.1	ug/L	1.19	0.24%
QC value within limits for Be 313.107 Recovery = 100.82%								
Ca 317.933†	132851.7	18490	ug/L	37.9	18490	ug/L	37.9	0.20%
QC value within limits for Ca 317.933 Recovery = 99.94%								
Cd 214.440†	16375.4	510.0	ug/L	0.87	510.0	ug/L	0.87	0.17%
QC value within limits for Cd 214.440 Recovery = 102.00%								
Co 228.616†	6042.2	510.2	ug/L	1.27	510.2	ug/L	1.27	0.25%
QC value within limits for Co 228.616 Recovery = 102.04%								
Cr 267.716†	10570.8	514.5	ug/L	0.48	514.5	ug/L	0.48	0.09%
QC value within limits for Cr 267.716 Recovery = 102.90%								
Fe 238.204†	10906.9	5654	ug/L	28.3	5654	ug/L	28.3	0.50%
QC value within limits for Fe 238.204 Recovery = 102.81%								
K 766.490†	217319.2	38940	ug/L	824.6	38940	ug/L	824.6	2.12%
QC value within limits for K 766.490 Recovery = 97.34%								
Mg 285.213†	187519.2	18910	ug/L	352.2	18910	ug/L	352.2	1.86%
QC value within limits for Mg 285.213 Recovery = 102.22%								
Mn 257.610†	177640.0	499.4	ug/L	1.39	499.4	ug/L	1.39	0.28%
QC value within limits for Mn 257.610 Recovery = 99.88%								
Mo 202.031†	2000.7	487.2	ug/L	3.86	487.2	ug/L	3.86	0.79%
QC value within limits for Mo 202.031 Recovery = 97.43%								
Na 589.592†	286790.1	38960	ug/L	710.8	38960	ug/L	710.8	1.82%
QC value within limits for Na 589.592 Recovery = 97.39%								
Ni 231.604†	3643.1	516.9	ug/L	0.19	516.9	ug/L	0.19	0.04%
QC value within limits for Ni 231.604 Recovery = 103.38%								

Pb 220.353†	691.8	509.5 ug/L	13.02	509.5 ug/L	13.02	2.56%
QC value within limits for Pb 220.353 Recovery = 101.91%						
Sb 206.836†	647.4	491.2 ug/L	5.89	491.2 ug/L	5.89	1.20%
QC value within limits for Sb 206.836 Recovery = 98.24%						
Se 196.026†	212.8	480.8 ug/L	1.38	480.8 ug/L	1.38	0.29%
QC value within limits for Se 196.026 Recovery = 96.16%						
V 311.071†	79579.5	479.1 ug/L	1.09	479.1 ug/L	1.09	0.23%
QC value within limits for V 311.071 Recovery = 95.82%						
Sn 189.927†	771.3	497.7 ug/L	2.86	497.7 ug/L	2.86	0.57%
QC value within limits for Sn 189.927 Recovery = 99.55%						
Sr 421.552†	345075.6	487.8 ug/L	10.09	487.8 ug/L	10.09	2.07%
QC value within limits for Sr 421.552 Recovery = 97.55%						
Tl 190.801†	681.4	509.9 ug/L	4.27	509.9 ug/L	4.27	0.84%
QC value within limits for Tl 190.801 Recovery = 101.99%						
Zn 206.200†	4995.1	509.3 ug/L	1.21	509.3 ug/L	1.21	0.24%
QC value within limits for Zn 206.200 Recovery = 101.87%						
Ti 334.940†	246881.3	504.5 ug/L	1.92	504.5 ug/L	1.92	0.38%
QC value within limits for Ti 334.940 Recovery = 100.89%						
B 249.772†	14168.2	451.8 ug/L	0.68	451.8 ug/L	0.68	0.15%
QC value within limits for B 249.772 Recovery = 90.36%						
Cu 324.752†	119519.4	498.7 ug/L	1.80	498.7 ug/L	1.80	0.36%
QC value within limits for Cu 324.752 Recovery = 99.73%						
S 181.975†	1017.1	9942 ug/L	45.2	9942 ug/L	45.2	0.45%
QC value within limits for S 181.975 Recovery = 99.42%						
Zr 343.823†	103624.3	479.0 ug/L	1.34	479.0 ug/L	1.34	0.28%
QC value within limits for Zr 343.823 Recovery = 95.80%						
Li 670.784†	92786.0	487.6 ug/L	11.78	487.6 ug/L	11.78	2.42%
QC value within limits for Li 670.784 Recovery = 97.52%						

All analyte(s) passed QC.

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Sequence No.: 21 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 7/14/2011 12:00:31 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	757310.3	1.000	mg/L	0.0109				1.09%
Y (radial)	96658.3	1.001	mg/L	0.0030				0.30%
Ag 328.068†	-22.0	-0.165	ug/L	0.0046	-0.165	ug/L	0.0046	2.76%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-19.7	-2.516	ug/L	3.0727	-2.516	ug/L	3.0727	122.13%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	3.4	4.153	ug/L	1.3514	4.153	ug/L	1.3514	32.54%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	2.2	0.040	ug/L	0.0247	0.040	ug/L	0.0247	61.96%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	80.1	0.078	ug/L	0.0311	0.078	ug/L	0.0311	40.01%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	-3.4	-0.470	ug/L	2.0283	-0.470	ug/L	2.0283	431.64%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	1.1	0.033	ug/L	0.0169	0.033	ug/L	0.0169	51.38%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	4.8	0.409	ug/L	1.1529	0.409	ug/L	1.1529	282.03%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	9.7	0.472	ug/L	0.4405	0.472	ug/L	0.4405	93.36%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Fe 238.204†	-2.4	-1.257	ug/L	1.0966	-1.257	ug/L	1.0966	87.26%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	25.9	4.646	ug/L	1.4159	4.646	ug/L	1.4159	30.48%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	5.4	0.548	ug/L	0.4600	0.548	ug/L	0.4600	83.92%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	-6.7	-0.019	ug/L	0.0301	-0.019	ug/L	0.0301	158.87%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	4.9	1.188	ug/L	0.5360	1.188	ug/L	0.5360	45.13%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-1331.5	-180.9	ug/L	3.96	-180.9	ug/L	3.96	2.19%

	QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	2.2	0.307 ug/L	0.5545	0.307 ug/L	0.5545	180.52%	
	QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-1.4	-1.027 ug/L	0.0831	-1.027 ug/L	0.0831	8.09%	
	QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	9.4	7.082 ug/L	0.1572	7.082 ug/L	0.1572	2.22%	
	QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	6.0	13.32 ug/L	7.125	13.32 ug/L	7.125	53.50%	
	QC value within limits for Se 196.026 Recovery = Not calculated						
V 311.071†	-95.4	-0.587 ug/L	0.0660	-0.587 ug/L	0.0660	11.25%	
	QC value within limits for V 311.071 Recovery = Not calculated						
Sn 189.927†	0.9	0.585 ug/L	1.4349	0.585 ug/L	1.4349	245.08%	
	QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 421.552†	70.6	0.100 ug/L	0.0223	0.100 ug/L	0.0223	22.29%	
	QC value within limits for Sr 421.552 Recovery = Not calculated						
Tl 190.801†	0.6	0.472 ug/L	0.4340	0.472 ug/L	0.4340	91.86%	
	QC value within limits for Tl 190.801 Recovery = Not calculated						
Zn 206.200†	-6.8	-0.679 ug/L	0.2692	-0.679 ug/L	0.2692	39.62%	
	QC value within limits for Zn 206.200 Recovery = Not calculated						
Ti 334.940†	-6.3	-0.013 ug/L	0.0658	-0.013 ug/L	0.0658	512.41%	
	QC value within limits for Ti 334.940 Recovery = Not calculated						
B 249.772†	74.3	2.502 ug/L	0.2173	2.502 ug/L	0.2173	8.69%	
	QC value within limits for B 249.772 Recovery = Not calculated						
Cu 324.752†	-711.9	-2.966 ug/L	0.0646	-2.966 ug/L	0.0646	2.18%	
	QC value within limits for Cu 324.752 Recovery = Not calculated						
S 181.975†	0.6	5.500 ug/L	29.9484	5.500 ug/L	29.9484	544.50%	
	QC value within limits for S 181.975 Recovery = Not calculated						
Zr 343.823†	131.1	0.576 ug/L	0.2425	0.576 ug/L	0.2425	42.12%	
	QC value within limits for Zr 343.823 Recovery = Not calculated						
Li 670.784†	91.8	0.483 ug/L	0.3979	0.483 ug/L	0.3979	82.47%	
	QC value within limits for Li 670.784 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 22 **Autosampler Location: 48**
Sample ID: 220-15828-d-5-g **Date Collected: 7/14/2011 12:03:40 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 220-15828-d-5-g

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	750655.2	0.991	mg/L	0.0046				0.46%
Y (radial)	99457.9	1.030	mg/L	0.0130				1.26%
Ag 328.068†	-11.4	0.006	ug/L	0.1317	0.006	ug/L	0.1317	>999.9%
Al 396.153†	9859.9	1234	ug/L	13.9	1234	ug/L	13.9	1.13%
As 188.979†	3.0	3.888	ug/L	6.6694	3.888	ug/L	6.6694	171.56%
Ba 233.527†	741.4	13.53	ug/L	0.025	13.53	ug/L	0.025	0.18%
Be 313.107†	-104.1	0.022	ug/L	0.0113	0.022	ug/L	0.0113	50.76%
Ca 317.933†	20815.1	2897	ug/L	39.9	2897	ug/L	39.9	1.38%
Cd 214.440†	2.9	0.035	ug/L	0.1378	0.035	ug/L	0.1378	393.07%
Co 228.616†	24.8	1.970	ug/L	0.1320	1.970	ug/L	0.1320	6.70%
Cr 267.716†	193.8	9.459	ug/L	0.3470	9.459	ug/L	0.3470	3.67%
Fe 238.204†	3699.0	1918	ug/L	27.8	1918	ug/L	27.8	1.45%
K 766.490†	5191.2	930.1	ug/L	14.04	930.1	ug/L	14.04	1.51%
Mg 285.213†	2410.0	244.5	ug/L	2.64	244.5	ug/L	2.64	1.08%
Mn 257.610†	32460.6	91.40	ug/L	0.095	91.40	ug/L	0.095	0.10%
Mo 202.031†	15.5	3.851	ug/L	0.9603	3.851	ug/L	0.9603	24.94%
Na 589.592†	259486.8	35250	ug/L	16.7	35250	ug/L	16.7	0.05%
Ni 231.604†	1021.7	144.8	ug/L	1.18	144.8	ug/L	1.18	0.82%
Pb 220.353†	4.1	2.923	ug/L	4.9597	2.923	ug/L	4.9597	169.70%
Sb 206.836†	4.4	3.483	ug/L	3.0666	3.483	ug/L	3.0666	88.05%
Se 196.026†	-4.9	-8.858	ug/L	17.5075	-8.858	ug/L	17.5075	197.65%
V 311.071†	267.7	1.257	ug/L	0.3557	1.257	ug/L	0.3557	28.29%
Sn 189.927†	-1.3	-0.589	ug/L	2.9837	-0.589	ug/L	2.9837	506.66%
Sr 421.552†	5616.8	7.902	ug/L	0.1058	7.902	ug/L	0.1058	1.34%
Tl 190.801†	2.0	2.213	ug/L	3.8571	2.213	ug/L	3.8571	174.28%
Zn 206.200†	83.5	8.521	ug/L	0.1743	8.521	ug/L	0.1743	2.05%
Ti 334.940†	15587.3	31.85	ug/L	1.437	31.85	ug/L	1.437	4.51%
B 249.772†	3763.4	118.2	ug/L	0.31	118.2	ug/L	0.31	0.26%

Cu 324.752†	2204.4	9.419	ug/L	0.0547	9.419	ug/L	0.0547	0.58%
S 181.975†	699.3	6447	ug/L	13.7	6447	ug/L	13.7	0.21%
Zr 343.823†	216.2	0.895	ug/L	0.0239	0.895	ug/L	0.0239	2.67%
Li 670.784†	474.2	2.492	ug/L	0.7413	2.492	ug/L	0.7413	29.74%

Sequence No.: 23
Sample ID: 220-15828-d-7-g
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 7/14/2011 12:06:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15828-d-7-g

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	756915.6	0.999	mg/L	0.0162				1.62%
Y (radial)	98540.1	1.021	mg/L	0.0137				1.34%
Ag 328.068†	-5.4	-0.038	ug/L	0.0448	-0.038	ug/L	0.0448	117.21%
Al 396.153†	232.5	29.09	ug/L	2.382	29.09	ug/L	2.382	8.19%
As 188.979†	2.9	3.611	ug/L	3.4619	3.611	ug/L	3.4619	95.86%
Ba 233.527†	596.4	10.90	ug/L	0.259	10.90	ug/L	0.259	2.37%
Be 313.107†	-60.3	-0.055	ug/L	0.0189	-0.055	ug/L	0.0189	34.29%
Ca 317.933†	10899.2	1517	ug/L	23.1	1517	ug/L	23.1	1.52%
Cd 214.440†	8.2	0.255	ug/L	0.4104	0.255	ug/L	0.4104	160.96%
Co 228.616†	39.5	3.341	ug/L	0.2906	3.341	ug/L	0.2906	8.70%
Cr 267.716†	50.7	2.467	ug/L	0.2270	2.467	ug/L	0.2270	9.20%
Fe 238.204†	104.3	54.09	ug/L	5.427	54.09	ug/L	5.427	10.03%
K 766.490†	3634.5	651.2	ug/L	16.87	651.2	ug/L	16.87	2.59%
Mg 285.213†	1444.4	145.7	ug/L	2.98	145.7	ug/L	2.98	2.05%
Mn 257.610†	6138.0	17.28	ug/L	0.357	17.28	ug/L	0.357	2.07%
Mo 202.031†	0.6	0.159	ug/L	1.1805	0.159	ug/L	1.1805	741.55%
Na 589.592†	273595.6	37160	ug/L	30.9	37160	ug/L	30.9	0.08%
Ni 231.604†	946.3	134.1	ug/L	2.25	134.1	ug/L	2.25	1.68%
Pb 220.353†	5.2	3.814	ug/L	1.6547	3.814	ug/L	1.6547	43.38%
Sb 206.836†	-2.4	-1.645	ug/L	1.7335	-1.645	ug/L	1.7335	105.35%
Se 196.026†	-3.8	-7.936	ug/L	6.8056	-7.936	ug/L	6.8056	85.75%
V 311.071†	-10.3	-0.062	ug/L	0.1461	-0.062	ug/L	0.1461	237.26%
Sn 189.927†	3.8	2.515	ug/L	0.2583	2.515	ug/L	0.2583	10.27%
Sr 421.552†	5103.2	7.195	ug/L	0.0969	7.195	ug/L	0.0969	1.35%
Tl 190.801†	-3.7	-2.655	ug/L	2.2840	-2.655	ug/L	2.2840	86.02%
Zn 206.200†	51.3	5.207	ug/L	0.0125	5.207	ug/L	0.0125	0.24%
Ti 334.940†	423.3	0.865	ug/L	0.0588	0.865	ug/L	0.0588	6.79%
B 249.772†	3563.8	119.5	ug/L	1.50	119.5	ug/L	1.50	1.26%
Cu 324.752†	-433.6	-1.800	ug/L	0.2186	-1.800	ug/L	0.2186	12.15%
S 181.975†	596.6	5498	ug/L	73.1	5498	ug/L	73.1	1.33%
Zr 343.823†	53.6	0.189	ug/L	0.0008	0.189	ug/L	0.0008	0.45%
Li 670.784†	131.5	0.691	ug/L	0.3921	0.691	ug/L	0.3921	56.73%

Sequence No.: 24
Sample ID: 220-15848-d-1-i
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 7/14/2011 12:10:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15848-d-1-i

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	757487.1	1.000	mg/L	0.0044				0.44%
Y (radial)	98236.2	1.017	mg/L	0.0026				0.26%
Ag 328.068†	-56.1	0.018	ug/L	0.3644	0.018	ug/L	0.3644	>999.9%
Al 396.153†	61946.1	7752	ug/L	10.6	7752	ug/L	10.6	0.14%
As 188.979†	9.3	12.18	ug/L	5.173	12.18	ug/L	5.173	42.47%
Ba 233.527†	1108.3	20.15	ug/L	0.078	20.15	ug/L	0.078	0.39%
Be 313.107†	-1047.9	0.055	ug/L	0.0638	0.055	ug/L	0.0638	115.39%
Ca 317.933†	18876.6	2627	ug/L	20.5	2627	ug/L	20.5	0.78%
Cd 214.440†	10.9	0.097	ug/L	0.1326	0.097	ug/L	0.1326	136.16%
Co 228.616†	34.9	2.057	ug/L	0.3211	2.057	ug/L	0.3211	15.61%
Cr 267.716†	585.9	28.65	ug/L	0.538	28.65	ug/L	0.538	1.88%
Fe 238.204†	16271.6	8435	ug/L	12.2	8435	ug/L	12.2	0.15%

K 766.490†	4765.4	853.8 ug/L	9.12	853.8 ug/L	9.12	1.07%
Mg 285.213†	11352.7	1151 ug/L	2.4	1151 ug/L	2.4	0.21%
Mn 257.610†	29710.0	83.61 ug/L	0.191	83.61 ug/L	0.191	0.23%
Mo 202.031†	11.9	3.220 ug/L	0.6923	3.220 ug/L	0.6923	21.50%
Na 589.592†	392437.4	53310 ug/L	590.8	53310 ug/L	590.8	1.11%
Ni 231.604†	87.4	12.30 ug/L	0.002	12.30 ug/L	0.002	0.02%
Pb 220.353†	50.7	37.06 ug/L	3.876	37.06 ug/L	3.876	10.46%
Sb 206.836†	-1.0	-0.922 ug/L	1.8465	-0.922 ug/L	1.8465	200.29%
Se 196.026†	-7.1	-9.559 ug/L	20.3452	-9.559 ug/L	20.3452	212.85%
V 311.071†	1776.7	7.548 ug/L	0.1893	7.548 ug/L	0.1893	2.51%
Sn 189.927†	-0.6	1.077 ug/L	2.3554	1.077 ug/L	2.3554	218.74%
Sr 421.552†	4693.8	6.601 ug/L	0.0195	6.601 ug/L	0.0195	0.30%
Tl 190.801†	-12.8	-4.825 ug/L	0.6949	-4.825 ug/L	0.6949	14.40%
Zn 206.200†	431.0	43.81 ug/L	1.285	43.81 ug/L	1.285	2.93%
Ti 334.940†	135577.5	277.0 ug/L	1.82	277.0 ug/L	1.82	0.66%
B 249.772†	9355.2	278.2 ug/L	2.32	278.2 ug/L	2.32	0.83%
Cu 324.752†	15178.8	64.27 ug/L	0.093	64.27 ug/L	0.093	0.14%
S 181.975†	707.5	6551 ug/L	24.7	6551 ug/L	24.7	0.38%
Zr 343.823†	250.7	0.801 ug/L	0.0008	0.801 ug/L	0.0008	0.10%
Li 670.784†	986.8	5.185 ug/L	0.2429	5.185 ug/L	0.2429	4.68%

Sequence No.: 25
Sample ID: 220-15933-d-4-b
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 51
Date Collected: 7/14/2011 12:13:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15933-d-4-b

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	827093.3	1.092	mg/L	0.0075				0.69%
Y (radial)	105911.6	1.097	mg/L	0.0197				1.80%
Ag 328.068†	-1036.8	0.418	ug/L	0.3028	0.418	ug/L	0.3028	72.49%
Al 396.153†	519869.8	65060	ug/L	2357.2	65060	ug/L	2357.2	3.62%
As 188.979†	58.5	85.50	ug/L	1.985	85.50	ug/L	1.985	2.32%
Ba 233.527†	18536.5	336.9	ug/L	4.69	336.9	ug/L	4.69	1.39%
Be 313.107†	-4925.1	4.449	ug/L	0.1892	4.449	ug/L	0.1892	4.25%
Ca 317.933†	42260.9	5882	ug/L	13.6	5882	ug/L	13.6	0.23%
Cd 214.440†	164.3	0.708	ug/L	0.0036	0.708	ug/L	0.0036	0.51%
Co 228.616†	1472.9	113.7	ug/L	1.20	113.7	ug/L	1.20	1.06%
Cr 267.716†	2009.4	100.8	ug/L	1.10	100.8	ug/L	1.10	1.10%
Fe 238.204†	298129.8	154600	ug/L	35.1	154600	ug/L	35.1	0.02%
K 766.490†	33620.2	6024	ug/L	18.9	6024	ug/L	18.9	0.31%
Mg 285.213†	114428.4	11650	ug/L	18.9	11650	ug/L	18.9	0.16%
Mn 257.610†	2339027.1	6586	ug/L	5.1	6586	ug/L	5.1	0.08%
Mo 202.031†	6.3	7.559	ug/L	1.5267	7.559	ug/L	1.5267	20.20%
Na 589.592†	23593.7	3205	ug/L	6.3	3205	ug/L	6.3	0.20%
Ni 231.604†	545.0	75.65	ug/L	0.089	75.65	ug/L	0.089	0.12%
Pb 220.353†	364.6	257.8	ug/L	4.18	257.8	ug/L	4.18	1.62%
Sb 206.836†	-12.9	-10.32	ug/L	7.768	-10.32	ug/L	7.768	75.30%
Se 196.026†	-57.3	-28.03	ug/L	6.891	-28.03	ug/L	6.891	24.59%
V 311.071†	37084.4	196.4	ug/L	3.34	196.4	ug/L	3.34	1.70%
Sn 189.927†	-4.0	9.465	ug/L	0.6316	9.465	ug/L	0.6316	6.67%
Sr 421.552†	54540.7	77.05	ug/L	0.142	77.05	ug/L	0.142	0.18%
Tl 190.801†	-56.0	4.344	ug/L	0.5467	4.344	ug/L	0.5467	12.58%
Zn 206.200†	1944.2	197.4	ug/L	1.23	197.4	ug/L	1.23	0.62%
Ti 334.940†	1166820.6	2384	ug/L	4.4	2384	ug/L	4.4	0.18%
B 249.772†	17155.2	-84.89	ug/L	8.473	-84.89	ug/L	8.473	9.98%
Cu 324.752†	78373.7	345.4	ug/L	7.54	345.4	ug/L	7.54	2.18%
S 181.975†	-58.1	-183.7	ug/L	6.83	-183.7	ug/L	6.83	3.72%
Zr 343.823†	2507.2	6.253	ug/L	0.0648	6.253	ug/L	0.0648	1.04%
Li 670.784†	8212.1	43.15	ug/L	0.111	43.15	ug/L	0.111	0.26%

Sequence No.: 26
Sample ID: 220-15933-d-5-b
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 7/14/2011 12:16:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15933-d-5-b

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	914044.5	1.206	mg/L	0.0079				0.65%
Y (radial)	116813.8	1.210	mg/L	0.0048				0.40%
Ag 328.068†	-707.8	1.455	ug/L	0.3665	1.455	ug/L	0.3665	25.18%
Al 396.153†	389497.4	48740	ug/L	940.1	48740	ug/L	940.1	1.93%
As 188.979†	34.8	54.57	ug/L	1.313	54.57	ug/L	1.313	2.41%
Ba 233.527†	31302.5	570.5	ug/L	7.90	570.5	ug/L	7.90	1.38%
Be 313.107†	200.4	3.867	ug/L	0.0454	3.867	ug/L	0.0454	1.17%
Ca 317.933†	228302.8	31770	ug/L	241.9	31770	ug/L	241.9	0.76%
Cd 214.440†	132.7	0.440	ug/L	0.1617	0.440	ug/L	0.1617	36.78%
Co 228.616†	1280.1	101.6	ug/L	2.44	101.6	ug/L	2.44	2.40%
Cr 267.716†	2381.1	118.4	ug/L	0.15	118.4	ug/L	0.15	0.13%
Fe 238.204†	249730.1	129500	ug/L	584.2	129500	ug/L	584.2	0.45%
K 766.490†	36107.8	6469	ug/L	13.1	6469	ug/L	13.1	0.20%
Mg 285.213†	136216.7	13830	ug/L	40.7	13830	ug/L	40.7	0.29%
Mn 257.610†	3932936.0	11070	ug/L	15.1	11070	ug/L	15.1	0.14%
Mo 202.031†	-31.0	-2.488	ug/L	1.0054	-2.488	ug/L	1.0054	40.41%
Na 589.592†	56098.8	7620	ug/L	15.1	7620	ug/L	15.1	0.20%
Ni 231.604†	654.0	91.36	ug/L	2.842	91.36	ug/L	2.842	3.11%
Pb 220.353†	271.0	190.1	ug/L	8.17	190.1	ug/L	8.17	4.29%
Sb 206.836†	-22.5	-15.38	ug/L	1.117	-15.38	ug/L	1.117	7.26%
Se 196.026†	-69.1	-62.16	ug/L	6.032	-62.16	ug/L	6.032	9.70%
V 311.071†	26056.6	146.0	ug/L	2.45	146.0	ug/L	2.45	1.68%
Sn 189.927†	-6.1	2.068	ug/L	0.3833	2.068	ug/L	0.3833	18.54%
Sr 421.552†	3033447.2	4290	ug/L	14.0	4290	ug/L	14.0	0.33%
Tl 190.801†	-29.0	3.051	ug/L	3.2272	3.051	ug/L	3.2272	105.79%
Zn 206.200†	2531.9	257.0	ug/L	5.22	257.0	ug/L	5.22	2.03%
Ti 334.940†	464339.9	948.8	ug/L	1.92	948.8	ug/L	1.92	0.20%
B 249.772†	14968.0	-51.02	ug/L	4.205	-51.02	ug/L	4.205	8.24%
Cu 324.752†	58919.0	261.3	ug/L	3.75	261.3	ug/L	3.75	1.43%
S 181.975†	225.5	2495	ug/L	56.6	2495	ug/L	56.6	2.27%
Zr 343.823†	1144.3	0.179	ug/L	0.0575	0.179	ug/L	0.0575	32.10%
Li 670.784†	7079.0	37.20	ug/L	0.121	37.20	ug/L	0.121	0.33%

Sequence No.: 27
Sample ID: 220-15933-d-6-b
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 7/14/2011 12:19:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15933-d-6-b

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	744638.0	0.983	mg/L	0.0052				0.53%
Y (radial)	95203.4	0.986	mg/L	0.0038				0.39%
Ag 328.068†	16.4	0.147	ug/L	0.1338	0.147	ug/L	0.1338	91.17%
Al 396.153†	238.0	29.71	ug/L	0.184	29.71	ug/L	0.184	0.62%
As 188.979†	0.7	1.584	ug/L	4.6628	1.584	ug/L	4.6628	294.32%
Ba 233.527†	1469.8	26.86	ug/L	0.621	26.86	ug/L	0.621	2.31%
Be 313.107†	13.8	0.016	ug/L	0.0339	0.016	ug/L	0.0339	210.82%
Ca 317.933†	27255.1	3793	ug/L	8.4	3793	ug/L	8.4	0.22%
Cd 214.440†	4.8	0.135	ug/L	0.2321	0.135	ug/L	0.2321	172.29%
Co 228.616†	16.5	1.400	ug/L	0.5057	1.400	ug/L	0.5057	36.11%
Cr 267.716†	2111.2	102.6	ug/L	1.37	102.6	ug/L	1.37	1.34%
Fe 238.204†	1084.6	562.3	ug/L	1.84	562.3	ug/L	1.84	0.33%
K 766.490†	7230.1	1295	ug/L	13.8	1295	ug/L	13.8	1.06%
Mg 285.213†	17577.5	1773	ug/L	2.9	1773	ug/L	2.9	0.16%
Mn 257.610†	21942.8	61.71	ug/L	0.160	61.71	ug/L	0.160	0.26%
Mo 202.031†	6.9	1.706	ug/L	1.5449	1.706	ug/L	1.5449	90.58%
Na 589.592†	57177.8	7767	ug/L	23.9	7767	ug/L	23.9	0.31%
Ni 231.604†	400.2	56.72	ug/L	2.034	56.72	ug/L	2.034	3.59%
Pb 220.353†	-3.2	-2.391	ug/L	0.5589	-2.391	ug/L	0.5589	23.37%
Sb 206.836†	2.0	0.151	ug/L	3.4919	0.151	ug/L	3.4919	>999.9%
Se 196.026†	-2.0	-3.035	ug/L	22.5953	-3.035	ug/L	22.5953	744.56%
V 311.071†	57.6	0.342	ug/L	0.1193	0.342	ug/L	0.1193	34.86%
Sn 189.927†	-6.5	-3.995	ug/L	6.7577	-3.995	ug/L	6.7577	169.16%
Sr 421.552†	13092.3	18.46	ug/L	0.014	18.46	ug/L	0.014	0.08%

Tl 190.801†	0.4	0.502 ug/L	1.6378	0.502 ug/L	1.6378	326.04%
Zn 206.200†	31.6	4.056 ug/L	0.0450	4.056 ug/L	0.0450	1.11%
Ti 334.940†	341.2	0.697 ug/L	0.0035	0.697 ug/L	0.0035	0.50%
B 249.772†	428.9	12.01 ug/L	0.085	12.01 ug/L	0.085	0.71%
Cu 324.752†	225.3	1.008 ug/L	0.3701	1.008 ug/L	0.3701	36.73%
S 181.975†	529.5	4930 ug/L	105.7	4930 ug/L	105.7	2.14%
Zr 343.823†	-16.6	-0.169 ug/L	0.1101	-0.169 ug/L	0.1101	65.09%
Li 670.784†	237.6	1.249 ug/L	0.4837	1.249 ug/L	0.4837	38.73%

Sequence No.: 28
Sample ID: 220-15933-d-7-b
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 54
Date Collected: 7/14/2011 12:23:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15933-d-7-b

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	756384.4	0.998	mg/L	0.0159				1.59%
Y (radial)	99963.3	1.035	mg/L	0.0070				0.68%
Ag 328.068†	6.5	0.078	ug/L	0.1403	0.078	ug/L	0.1403	179.72%
Al 396.153†	207.0	25.82	ug/L	0.912	25.82	ug/L	0.912	3.53%
As 188.979†	2.9	4.211	ug/L	4.0530	4.211	ug/L	4.0530	96.25%
Ba 233.527†	1452.0	26.53	ug/L	0.339	26.53	ug/L	0.339	1.28%
Be 313.107†	7.6	0.009	ug/L	0.0147	0.009	ug/L	0.0147	160.62%
Ca 317.933†	26384.6	3672	ug/L	11.3	3672	ug/L	11.3	0.31%
Cd 214.440†	-0.0	-0.019	ug/L	0.1468	-0.019	ug/L	0.1468	789.30%
Co 228.616†	14.5	1.229	ug/L	0.3063	1.229	ug/L	0.3063	24.92%
Cr 267.716†	1795.8	87.31	ug/L	1.309	87.31	ug/L	1.309	1.50%
Fe 238.204†	1157.0	599.8	ug/L	3.61	599.8	ug/L	3.61	0.60%
K 766.490†	7080.3	1269	ug/L	6.4	1269	ug/L	6.4	0.51%
Mg 285.213†	17244.2	1739	ug/L	1.7	1739	ug/L	1.7	0.10%
Mn 257.610†	21886.4	61.56	ug/L	0.372	61.56	ug/L	0.372	0.60%
Mo 202.031†	7.1	1.744	ug/L	0.4482	1.744	ug/L	0.4482	25.70%
Na 589.592†	55816.6	7582	ug/L	12.8	7582	ug/L	12.8	0.17%
Ni 231.604†	357.2	50.62	ug/L	1.049	50.62	ug/L	1.049	2.07%
Pb 220.353†	3.1	2.222	ug/L	0.9998	2.222	ug/L	0.9998	44.99%
Sb 206.836†	2.7	0.921	ug/L	1.1946	0.921	ug/L	1.1946	129.73%
Se 196.026†	-12.8	-26.95	ug/L	33.087	-26.95	ug/L	33.087	122.79%
V 311.071†	83.7	0.503	ug/L	0.0941	0.503	ug/L	0.0941	18.70%
Sn 189.927†	-1.1	-0.528	ug/L	2.6318	-0.528	ug/L	2.6318	498.17%
Sr 421.552†	13060.9	18.42	ug/L	0.018	18.42	ug/L	0.018	0.10%
Tl 190.801†	-2.9	-1.947	ug/L	0.4581	-1.947	ug/L	0.4581	23.53%
Zn 206.200†	23.4	3.097	ug/L	0.3209	3.097	ug/L	0.3209	10.36%
Ti 334.940†	229.0	0.468	ug/L	0.0325	0.468	ug/L	0.0325	6.94%
B 249.772†	425.0	11.71	ug/L	0.502	11.71	ug/L	0.502	4.29%
Cu 324.752†	141.4	0.662	ug/L	0.2178	0.662	ug/L	0.2178	32.90%
S 181.975†	529.4	4928	ug/L	59.8	4928	ug/L	59.8	1.21%
Zr 343.823†	-22.0	-0.219	ug/L	0.0804	-0.219	ug/L	0.0804	36.67%
Li 670.784†	387.3	2.035	ug/L	0.0170	2.035	ug/L	0.0170	0.84%

Sequence No.: 29
Sample ID: 220-15933-d-8-b
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 55
Date Collected: 7/14/2011 12:26:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15933-d-8-b

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	900567.8	1.189	mg/L	0.0000				0.00%
Y (radial)	116909.9	1.211	mg/L	0.0058				0.48%
Ag 328.068†	-648.3	1.353	ug/L	0.1326	1.353	ug/L	0.1326	9.80%
Al 396.153†	327354.1	40970	ug/L	366.4	40970	ug/L	366.4	0.89%
As 188.979†	26.1	42.95	ug/L	12.340	42.95	ug/L	12.340	28.73%
Ba 233.527†	29890.8	544.8	ug/L	7.11	544.8	ug/L	7.11	1.30%
Be 313.107†	-23.4	3.442	ug/L	0.0419	3.442	ug/L	0.0419	1.22%
Ca 317.933†	250475.4	34860	ug/L	73.3	34860	ug/L	73.3	0.21%

Cd 214.440†	126.5	0.547 ug/L	0.1069	0.547 ug/L	0.1069	19.55%
Co 228.616†	1160.8	92.01 ug/L	0.272	92.01 ug/L	0.272	0.30%
Cr 267.716†	2250.5	111.8 ug/L	0.28	111.8 ug/L	0.28	0.25%
Fe 238.204†	229345.5	118900 ug/L	85.7	118900 ug/L	85.7	0.07%
K 766.490†	33285.4	5964 ug/L	54.6	5964 ug/L	54.6	0.92%
Mg 285.213†	122642.4	12460 ug/L	42.7	12460 ug/L	42.7	0.34%
Mn 257.610†	3584594.1	10090 ug/L	7.6	10090 ug/L	7.6	0.08%
Mo 202.031†	-41.7	-5.517 ug/L	2.7522	-5.517 ug/L	2.7522	49.89%
Na 589.592†	56147.9	7627 ug/L	68.0	7627 ug/L	68.0	0.89%
Ni 231.604†	619.2	86.53 ug/L	0.566	86.53 ug/L	0.566	0.65%
Pb 220.353†	245.1	171.5 ug/L	2.35	171.5 ug/L	2.35	1.37%
Sb 206.836†	-21.7	-14.40 ug/L	2.139	-14.40 ug/L	2.139	14.85%
Se 196.026†	-60.5	-48.80 ug/L	12.059	-48.80 ug/L	12.059	24.71%
V 311.071†	24265.7	135.9 ug/L	2.13	135.9 ug/L	2.13	1.57%
Sn 189.927†	-8.6	0.291 ug/L	5.6416	0.291 ug/L	5.6416	>999.9%
Sr 421.552†	3260734.5	4611 ug/L	37.4	4611 ug/L	37.4	0.81%
Tl 190.801†	-26.7	3.370 ug/L	5.5983	3.370 ug/L	5.5983	166.11%
Zn 206.200†	2379.8	241.5 ug/L	1.42	241.5 ug/L	1.42	0.59%
Ti 334.940†	437957.2	894.9 ug/L	0.59	894.9 ug/L	0.59	0.07%
B 249.772†	13851.1	-43.33 ug/L	5.279	-43.33 ug/L	5.279	12.18%
Cu 324.752†	55038.9	243.8 ug/L	4.15	243.8 ug/L	4.15	1.70%
S 181.975†	245.1	2634 ug/L	21.6	2634 ug/L	21.6	0.82%
Zr 343.823†	1108.8	0.449 ug/L	0.0125	0.449 ug/L	0.0125	2.79%
Li 670.784†	6259.1	32.89 ug/L	0.713	32.89 ug/L	0.713	2.17%

Sequence No.: 30
Sample ID: 220-15938-a-2-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 7/14/2011 12:29:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15938-a-2-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	752150.8	0.993	mg/L	0.0122				1.23%
Y (radial)	98392.2	1.019	mg/L	0.0043				0.42%
Ag 328.068†	-50.9	-0.383	ug/L	0.1115	-0.383	ug/L	0.1115	29.13%
Al 396.153†	7068.6	884.5	ug/L	5.92	884.5	ug/L	5.92	0.67%
As 188.979†	-3.4	-4.151	ug/L	0.9672	-4.151	ug/L	0.9672	23.30%
Ba 233.527†	3373.6	61.69	ug/L	0.606	61.69	ug/L	0.606	0.98%
Be 313.107†	-93.0	-0.068	ug/L	0.0075	-0.068	ug/L	0.0075	11.03%
Ca 317.933†	445472.8	62000	ug/L	470.6	62000	ug/L	470.6	0.76%
Cd 214.440†	-33.6	-1.051	ug/L	0.0670	-1.051	ug/L	0.0670	6.37%
Co 228.616†	22.8	1.968	ug/L	1.2149	1.968	ug/L	1.2149	61.73%
Cr 267.716†	73.9	4.139	ug/L	0.3593	4.139	ug/L	0.3593	8.68%
Fe 238.204†	229.1	118.8	ug/L	1.26	118.8	ug/L	1.26	1.06%
K 766.490†	14086.9	2524	ug/L	8.6	2524	ug/L	8.6	0.34%
Mg 285.213†	459435.4	46320	ug/L	72.1	46320	ug/L	72.1	0.16%
Mn 257.610†	2915.5	6.135	ug/L	0.0363	6.135	ug/L	0.0363	0.59%
Mo 202.031†	10.9	2.651	ug/L	1.7826	2.651	ug/L	1.7826	67.23%
Na 589.592†	564868.1	76730	ug/L	24.3	76730	ug/L	24.3	0.03%
Ni 231.604†	65.5	9.292	ug/L	1.6279	9.292	ug/L	1.6279	17.52%
Pb 220.353†	-7.7	-5.611	ug/L	6.2164	-5.611	ug/L	6.2164	110.79%
Sb 206.836†	-36.4	-20.86	ug/L	5.573	-20.86	ug/L	5.573	26.71%
Se 196.026†	-30.6	-49.26	ug/L	4.242	-49.26	ug/L	4.242	8.61%
V 311.071†	2502.2	15.06	ug/L	0.469	15.06	ug/L	0.469	3.11%
Sn 189.927†	-9.9	-3.802	ug/L	1.9633	-3.802	ug/L	1.9633	51.63%
Sr 421.552†	98768.0	138.8	ug/L	0.19	138.8	ug/L	0.19	0.14%
Tl 190.801†	-17.9	-10.76	ug/L	13.392	-10.76	ug/L	13.392	124.41%
Zn 206.200†	507.6	51.35	ug/L	0.522	51.35	ug/L	0.522	1.02%
Ti 334.940†	2809.0	5.740	ug/L	0.0347	5.740	ug/L	0.0347	0.60%
B 249.772†	4475.9	149.9	ug/L	1.64	149.9	ug/L	1.64	1.09%
Cu 324.752†	115249.5	480.2	ug/L	0.90	480.2	ug/L	0.90	0.19%
S 181.975†	1053.9	11110	ug/L	222.7	11110	ug/L	222.7	2.00%
Zr 343.823†	2035.5	9.409	ug/L	0.2364	9.409	ug/L	0.2364	2.51%
Li 670.784†	845.1	4.441	ug/L	0.0230	4.441	ug/L	0.0230	0.52%

Sequence No.: 31
Sample ID: 220-15963-d-4-a

Autosampler Location: 57
Date Collected: 7/14/2011 12:33:08 PM

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15963-d-4-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	741578.6	0.979	mg/L	0.0178				1.82%
Y (radial)	95491.9	0.989	mg/L	0.0097				0.98%
Ag 328.068†	-6.2	-0.041	ug/L	0.0044	-0.041	ug/L	0.0044	10.63%
Al 396.153†	-57.2	-7.141	ug/L	0.2061	-7.141	ug/L	0.2061	2.89%
As 188.979†	-3.1	-3.811	ug/L	0.1531	-3.811	ug/L	0.1531	4.02%
Ba 233.527†	1761.4	32.20	ug/L	0.377	32.20	ug/L	0.377	1.17%
Be 313.107†	-126.1	-0.124	ug/L	0.0442	-0.124	ug/L	0.0442	35.58%
Ca 317.933†	90187.9	12550	ug/L	11.1	12550	ug/L	11.1	0.09%
Cd 214.440†	-0.5	-0.017	ug/L	0.2058	-0.017	ug/L	0.2058	>999.9%
Co 228.616†	1.4	0.149	ug/L	0.5815	0.149	ug/L	0.5815	391.51%
Cr 267.716†	5.2	0.307	ug/L	0.7681	0.307	ug/L	0.7681	250.32%
Fe 238.204†	23.0	11.92	ug/L	3.506	11.92	ug/L	3.506	29.42%
K 766.490†	10071.1	1804	ug/L	11.4	1804	ug/L	11.4	0.63%
Mg 285.213†	46443.7	4683	ug/L	10.4	4683	ug/L	10.4	0.22%
Mn 257.610†	33757.8	94.86	ug/L	0.333	94.86	ug/L	0.333	0.35%
Mo 202.031†	-1.1	-0.262	ug/L	0.2933	-0.262	ug/L	0.2933	112.10%
Na 589.592†	257858.9	35030	ug/L	67.1	35030	ug/L	67.1	0.19%
Ni 231.604†	19.1	2.704	ug/L	1.4729	2.704	ug/L	1.4729	54.47%
Pb 220.353†	-2.3	-1.662	ug/L	2.7024	-1.662	ug/L	2.7024	162.63%
Sb 206.836†	-8.4	-5.062	ug/L	0.9985	-5.062	ug/L	0.9985	19.73%
Se 196.026†	-6.7	-11.14	ug/L	11.113	-11.14	ug/L	11.113	99.71%
V 311.071†	92.4	0.625	ug/L	0.0615	0.625	ug/L	0.0615	9.85%
Sn 189.927†	-7.9	-4.585	ug/L	1.4736	-4.585	ug/L	1.4736	32.14%
Sr 421.552†	74066.8	104.6	ug/L	0.01	104.6	ug/L	0.01	0.01%
Tl 190.801†	-7.0	-4.724	ug/L	6.3239	-4.724	ug/L	6.3239	133.87%
Zn 206.200†	396.5	40.09	ug/L	0.494	40.09	ug/L	0.494	1.23%
Ti 334.940†	-239.2	-0.489	ug/L	0.0063	-0.489	ug/L	0.0063	1.29%
B 249.772†	891.1	29.89	ug/L	0.863	29.89	ug/L	0.863	2.89%
Cu 324.752†	-656.1	-2.732	ug/L	0.2069	-2.732	ug/L	0.2069	7.57%
S 181.975†	626.2	5909	ug/L	153.2	5909	ug/L	153.2	2.59%
Zr 343.823†	-57.5	-0.317	ug/L	0.0004	-0.317	ug/L	0.0004	0.12%
Li 670.784†	101.1	0.531	ug/L	0.1481	0.531	ug/L	0.1481	27.88%

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Sequence No.: 32
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 7/14/2011 12:36:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	758852.9	1.002	mg/L	0.0159				1.59%
Y (radial)	94673.7	0.981	mg/L	0.0036				0.36%
Ag 328.068†	33935.5	244.3	ug/L	1.11	244.3	ug/L	1.11	0.46%
QC value within limits for Ag 328.068 Recovery = 97.70%								
Al 396.153†	40555.5	5053	ug/L	16.2	5053	ug/L	16.2	0.32%
QC value within limits for Al 396.153 Recovery = 101.06%								
As 188.979†	413.6	513.5	ug/L	3.94	513.5	ug/L	3.94	0.77%
QC value within limits for As 188.979 Recovery = 102.70%								
Ba 233.527†	27335.6	500.6	ug/L	0.35	500.6	ug/L	0.35	0.07%
QC value within limits for Ba 233.527 Recovery = 100.12%								
Be 313.107†	515357.3	502.1	ug/L	0.24	502.1	ug/L	0.24	0.05%
QC value within limits for Be 313.107 Recovery = 100.43%								
Ca 317.933†	133118.5	18530	ug/L	36.7	18530	ug/L	36.7	0.20%
QC value within limits for Ca 317.933 Recovery = 100.14%								
Cd 214.440†	16261.4	506.4	ug/L	2.38	506.4	ug/L	2.38	0.47%
QC value within limits for Cd 214.440 Recovery = 101.29%								
Co 228.616†	5952.5	502.6	ug/L	11.14	502.6	ug/L	11.14	2.22%
QC value within limits for Co 228.616 Recovery = 100.52%								
Cr 267.716†	10416.6	507.0	ug/L	11.75	507.0	ug/L	11.75	2.32%
QC value within limits for Cr 267.716 Recovery = 101.40%								

Fe 238.204†	10838.2	5619 ug/L	36.3	5619 ug/L	36.3	0.65%
QC value within limits for Fe 238.204 Recovery = 102.16%						
K 766.490†	227409.7	40740 ug/L	206.7	40740 ug/L	206.7	0.51%
QC value within limits for K 766.490 Recovery = 101.86%						
Mg 285.213†	194060.8	19570 ug/L	77.0	19570 ug/L	77.0	0.39%
QC value within limits for Mg 285.213 Recovery = 105.79%						
Mn 257.610†	177815.5	499.9 ug/L	0.31	499.9 ug/L	0.31	0.06%
QC value within limits for Mn 257.610 Recovery = 99.97%						
Mo 202.031†	1985.7	483.5 ug/L	11.42	483.5 ug/L	11.42	2.36%
QC value within limits for Mo 202.031 Recovery = 96.70%						
Na 589.592†	297141.5	40360 ug/L	204.2	40360 ug/L	204.2	0.51%
QC value within limits for Na 589.592 Recovery = 100.90%						
Ni 231.604†	3579.4	507.8 ug/L	8.95	507.8 ug/L	8.95	1.76%
QC value within limits for Ni 231.604 Recovery = 101.57%						
Pb 220.353†	668.6	492.5 ug/L	7.36	492.5 ug/L	7.36	1.49%
QC value within limits for Pb 220.353 Recovery = 98.50%						
Sb 206.836†	641.9	487.1 ug/L	9.78	487.1 ug/L	9.78	2.01%
QC value within limits for Sb 206.836 Recovery = 97.41%						
Se 196.026†	217.0	490.2 ug/L	10.25	490.2 ug/L	10.25	2.09%
QC value within limits for Se 196.026 Recovery = 98.05%						
V 311.071†	79728.3	480.0 ug/L	0.14	480.0 ug/L	0.14	0.03%
QC value within limits for V 311.071 Recovery = 96.00%						
Sn 189.927†	750.1	484.1 ug/L	23.42	484.1 ug/L	23.42	4.84%
QC value within limits for Sn 189.927 Recovery = 96.83%						
Sr 421.552†	357867.5	505.8 ug/L	2.92	505.8 ug/L	2.92	0.58%
QC value within limits for Sr 421.552 Recovery = 101.17%						
Tl 190.801†	684.1	512.0 ug/L	15.96	512.0 ug/L	15.96	3.12%
QC value within limits for Tl 190.801 Recovery = 102.40%						
Zn 206.200†	4898.9	499.6 ug/L	12.42	499.6 ug/L	12.42	2.49%
QC value within limits for Zn 206.200 Recovery = 99.91%						
Ti 334.940†	247159.5	505.0 ug/L	0.38	505.0 ug/L	0.38	0.08%
QC value within limits for Ti 334.940 Recovery = 101.01%						
B 249.772†	13887.5	442.5 ug/L	9.23	442.5 ug/L	9.23	2.09%
QC value less than the lower limit for B 249.772 Recovery = 88.51%						
Cu 324.752†	119884.1	500.2 ug/L	2.14	500.2 ug/L	2.14	0.43%
QC value within limits for Cu 324.752 Recovery = 100.04%						
S 181.975†	1002.4	9826 ug/L	293.4	9826 ug/L	293.4	2.99%
QC value within limits for S 181.975 Recovery = 98.26%						
Zr 343.823†	103462.2	478.4 ug/L	0.12	478.4 ug/L	0.12	0.03%
QC value within limits for Zr 343.823 Recovery = 95.68%						
Li 670.784†	96999.4	509.7 ug/L	2.33	509.7 ug/L	2.33	0.46%
QC value within limits for Li 670.784 Recovery = 101.94%						

QC Failed. Continue with analysis.

Sequence No.: 33
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/14/2011 12:39:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	762468.0	1.006	mg/L	0.0037				0.37%
Y (radial)	97324.8	1.008	mg/L	0.0050				0.49%
Ag 328.068†	-23.3	-0.173	ug/L	0.0341	-0.173	ug/L	0.0341	19.66%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	28.2	3.499	ug/L	2.2117	3.499	ug/L	2.2117	63.20%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	10.0	12.34	ug/L	6.034	12.34	ug/L	6.034	48.91%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	23.1	0.423	ug/L	0.0622	0.423	ug/L	0.0622	14.72%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-2.7	-0.003	ug/L	0.0143	-0.003	ug/L	0.0143	558.15%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	-0.1	-0.007	ug/L	1.4196	-0.007	ug/L	1.4196	>999.9%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	6.4	0.200	ug/L	0.1679	0.200	ug/L	0.1679	83.77%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-6.1	-0.511	ug/L	0.5899	-0.511	ug/L	0.5899	115.37%

QC value within limits for Co 228.616 Recovery = Not calculated

Cr 267.716†	10.8	0.524 ug/L	0.3666	0.524 ug/L	0.3666	69.92%
QC value within limits for Cr 267.716 Recovery = Not calculated							
Fe 238.204†	-1.2	-0.622 ug/L	0.9711	-0.622 ug/L	0.9711	156.02%
QC value within limits for Fe 238.204 Recovery = Not calculated							
K 766.490†	-70.4	-12.61 ug/L	6.044	-12.61 ug/L	6.044	47.93%
QC value within limits for K 766.490 Recovery = Not calculated							
Mg 285.213†	-1.0	-0.106 ug/L	0.2658	-0.106 ug/L	0.2658	251.44%
QC value within limits for Mg 285.213 Recovery = Not calculated							
Mn 257.610†	-34.6	-0.097 ug/L	0.0226	-0.097 ug/L	0.0226	23.22%
QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo 202.031†	2.4	0.577 ug/L	0.7245	0.577 ug/L	0.7245	125.57%
QC value within limits for Mo 202.031 Recovery = Not calculated							
Na 589.592†	-1342.5	-182.4 ug/L	13.95	-182.4 ug/L	13.95	7.65%
QC value within limits for Na 589.592 Recovery = Not calculated							
Ni 231.604†	7.6	1.076 ug/L	0.9192	1.076 ug/L	0.9192	85.41%
QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb 220.353†	-1.0	-0.720 ug/L	1.9994	-0.720 ug/L	1.9994	277.67%
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 206.836†	7.4	5.599 ug/L	1.0040	5.599 ug/L	1.0040	17.93%
QC value within limits for Sb 206.836 Recovery = Not calculated							
Se 196.026†	1.0	2.224 ug/L	0.8413	2.224 ug/L	0.8413	37.83%
QC value within limits for Se 196.026 Recovery = Not calculated							
V 311.071†	-32.9	-0.204 ug/L	0.2919	-0.204 ug/L	0.2919	143.13%
QC value within limits for V 311.071 Recovery = Not calculated							
Sn 189.927†	0.7	0.475 ug/L	2.9286	0.475 ug/L	2.9286	617.06%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 421.552†	92.4	0.131 ug/L	0.0105	0.131 ug/L	0.0105	8.07%
QC value within limits for Sr 421.552 Recovery = Not calculated							
Tl 190.801†	-6.5	-4.801 ug/L	6.8012	-4.801 ug/L	6.8012	141.66%
QC value within limits for Tl 190.801 Recovery = Not calculated							
Zn 206.200†	-0.1	-0.003 ug/L	0.3046	-0.003 ug/L	0.3046	>999.9%
QC value within limits for Zn 206.200 Recovery = Not calculated							
Ti 334.940†	1.9	0.004 ug/L	0.0177	0.004 ug/L	0.0177	452.71%
QC value within limits for Ti 334.940 Recovery = Not calculated							
B 249.772†	33.4	1.124 ug/L	0.9457	1.124 ug/L	0.9457	84.16%
QC value within limits for B 249.772 Recovery = Not calculated							
Cu 324.752†	-795.3	-3.314 ug/L	0.1129	-3.314 ug/L	0.1129	3.41%
QC value within limits for Cu 324.752 Recovery = Not calculated							
S 181.975†	-2.8	-25.78 ug/L	20.240	-25.78 ug/L	20.240	78.50%
QC value within limits for S 181.975 Recovery = Not calculated							
Zr 343.823†	123.1	0.462 ug/L	0.3197	0.462 ug/L	0.3197	69.19%
QC value within limits for Zr 343.823 Recovery = Not calculated							
Li 670.784†	-32.7	-0.172 ug/L	0.0049	-0.172 ug/L	0.0049	2.85%

QC value within limits for Li 670.784 Recovery = Not calculated

All analyte(s) passed QC.

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Sequence No.: 34 **Autosampler Location: 58**

Sample ID: 220-15964-e-13-b **Date Collected: 7/14/2011 12:43:03 PM**

Analyst: **Data Type: Original**

Initial Sample Wt: **Initial Sample Vol:**

Dilution: **Sample Prep Vol:**

Mean Data: 220-15964-e-13-b

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	752877.7	0.994	mg/L	0.0039				0.40%
Y (radial)	97559.0	1.010	mg/L	0.0115				1.14%
Ag 328.068†	4.3	0.028	ug/L	0.0427	0.028	ug/L	0.0427	150.60%
Al 396.153†	-65.7	-8.231	ug/L	0.7842	-8.231	ug/L	0.7842	9.53%
As 188.979†	-0.4	-0.428	ug/L	7.1929	-0.428	ug/L	7.1929	>999.9%
Ba 233.527†	23.6	0.430	ug/L	0.0039	0.430	ug/L	0.0039	0.91%
Be 313.107†	15.9	0.015	ug/L	0.0277	0.015	ug/L	0.0277	181.78%
Ca 317.933†	-121.6	-16.92	ug/L	0.119	-16.92	ug/L	0.119	0.70%
Cd 214.440†	2.0	0.061	ug/L	0.0832	0.061	ug/L	0.0832	135.48%
Co 228.616†	1.8	0.155	ug/L	0.3882	0.155	ug/L	0.3882	250.35%
Cr 267.716†	12.6	0.612	ug/L	0.0214	0.612	ug/L	0.0214	3.50%
Fe 238.204†	29.7	15.38	ug/L	0.662	15.38	ug/L	0.662	4.30%
K 766.490†	113.5	20.34	ug/L	20.440	20.34	ug/L	20.440	100.49%
Mg 285.213†	4.6	0.478	ug/L	0.2005	0.478	ug/L	0.2005	41.96%

Mn 257.610†	129.1	0.364	ug/L	0.0421	0.364	ug/L	0.0421 11.57%
Mo 202.031†	0.6	0.136	ug/L	0.3308	0.136	ug/L	0.3308 242.34%
Na 589.592†	-1219.5	-165.6	ug/L	0.93	-165.6	ug/L	0.93 0.56%
Ni 231.604†	1.4	0.202	ug/L	0.6517	0.202	ug/L	0.6517 322.09%
Pb 220.353†	4.5	3.305	ug/L	5.0979	3.305	ug/L	5.0979 154.26%
Sb 206.836†	10.8	8.196	ug/L	4.9381	8.196	ug/L	4.9381 60.25%
Se 196.026†	-1.6	-3.643	ug/L	5.2222	-3.643	ug/L	5.2222 143.33%
V 311.071†	-39.3	-0.242	ug/L	0.1759	-0.242	ug/L	0.1759 72.53%
Sn 189.927†	2.9	1.858	ug/L	1.7081	1.858	ug/L	1.7081 91.95%
Sr 421.552†	-40.2	-0.057	ug/L	0.1056	-0.057	ug/L	0.1056 186.46%
Tl 190.801†	3.9	2.887	ug/L	7.6099	2.887	ug/L	7.6099 263.63%
Zn 206.200†	37.4	3.790	ug/L	0.3179	3.790	ug/L	0.3179 8.39%
Ti 334.940†	-29.9	-0.061	ug/L	0.0438	-0.061	ug/L	0.0438 71.78%
B 249.772†	72.2	2.358	ug/L	0.1814	2.358	ug/L	0.1814 7.69%
Cu 324.752†	-638.9	-2.660	ug/L	0.0776	-2.660	ug/L	0.0776 2.92%
S 181.975†	2.5	23.19	ug/L	33.379	23.19	ug/L	33.379 143.94%
Zr 343.823†	83.0	0.391	ug/L	0.0172	0.391	ug/L	0.0172 4.38%
Li 670.784†	161.8	0.850	ug/L	0.0422	0.850	ug/L	0.0422 4.96%

Sequence No.: 35
Sample ID: 220-15975-d-1-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 7/14/2011 12:46:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15975-d-1-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	761249.2	1.005	mg/L	0.0080				0.80%
Y (radial)	96983.0	1.004	mg/L	0.0038				0.38%
Ag 328.068†	14.0	0.098	ug/L	0.1218	0.098	ug/L	0.1218	123.70%
Al 396.153†	75.8	9.450	ug/L	4.1244	9.450	ug/L	4.1244	43.64%
As 188.979†	8.1	9.970	ug/L	7.4069	9.970	ug/L	7.4069	74.29%
Ba 233.527†	5.6	0.101	ug/L	0.1156	0.101	ug/L	0.1156	114.30%
Be 313.107†	85.2	0.083	ug/L	0.0039	0.083	ug/L	0.0039	4.71%
Ca 317.933†	-60.2	-8.378	ug/L	0.9152	-8.378	ug/L	0.9152	10.92%
Cd 214.440†	-10.8	-0.338	ug/L	0.0182	-0.338	ug/L	0.0182	5.38%
Co 228.616†	2.8	0.240	ug/L	0.1758	0.240	ug/L	0.1758	73.39%
Cr 267.716†	7.6	0.367	ug/L	0.2679	0.367	ug/L	0.2679	73.07%
Fe 238.204†	0.5	0.265	ug/L	2.3521	0.265	ug/L	2.3521	887.98%
K 766.490†	79.1	14.17	ug/L	3.127	14.17	ug/L	3.127	22.06%
Mg 285.213†	0.2	0.015	ug/L	0.7468	0.015	ug/L	0.7468	>999.9%
Mn 257.610†	34.2	0.096	ug/L	0.0147	0.096	ug/L	0.0147	15.26%
Mo 202.031†	3.7	0.900	ug/L	0.5818	0.900	ug/L	0.5818	64.66%
Na 589.592†	-1295.6	-176.0	ug/L	11.55	-176.0	ug/L	11.55	6.57%
Ni 231.604†	1.7	0.242	ug/L	0.1398	0.242	ug/L	0.1398	57.76%
Pb 220.353†	5.7	4.190	ug/L	5.0371	4.190	ug/L	5.0371	120.23%
Sb 206.836†	1.9	1.453	ug/L	2.9315	1.453	ug/L	2.9315	201.74%
Se 196.026†	1.6	3.594	ug/L	17.4650	3.594	ug/L	17.4650	486.01%
V 311.071†	-77.2	-0.476	ug/L	0.4175	-0.476	ug/L	0.4175	87.70%
Sn 189.927†	2.4	1.512	ug/L	0.8398	1.512	ug/L	0.8398	55.53%
Sr 421.552†	-84.4	-0.119	ug/L	0.1016	-0.119	ug/L	0.1016	85.14%
Tl 190.801†	4.7	3.454	ug/L	1.9920	3.454	ug/L	1.9920	57.67%
Zn 206.200†	30.6	3.099	ug/L	0.1002	3.099	ug/L	0.1002	3.23%
Ti 334.940†	94.6	0.193	ug/L	0.0849	0.193	ug/L	0.0849	43.93%
B 249.772†	277.8	9.332	ug/L	0.3522	9.332	ug/L	0.3522	3.77%
Cu 324.752†	-760.0	-3.166	ug/L	0.1468	-3.166	ug/L	0.1468	4.64%
S 181.975†	0.5	4.905	ug/L	27.1103	4.905	ug/L	27.1103	552.67%
Zr 343.823†	44.0	0.114	ug/L	0.1505	0.114	ug/L	0.1505	131.94%
Li 670.784†	358.2	1.882	ug/L	0.0076	1.882	ug/L	0.0076	0.40%

Sequence No.: 36
Sample ID: 220-15975-d-2-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 60
Date Collected: 7/14/2011 12:49:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15975-d-2-a

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	745138.2	0.984	mg/L	0.0070				0.72%
Y (radial)	100058.5	1.036	mg/L	0.0094				0.91%
Ag 328.068†	-49.8	-0.350	ug/L	0.0475	-0.350	ug/L	0.0475	13.59%
Al 396.153†	41343.6	5174	ug/L	30.2	5174	ug/L	30.2	0.58%
As 188.979†	-0.1	-0.290	ug/L	7.9154	-0.290	ug/L	7.9154	>999.9%
Ba 233.527†	9840.5	179.9	ug/L	1.58	179.9	ug/L	1.58	0.88%
Be 313.107†	314.4	0.312	ug/L	0.0952	0.312	ug/L	0.0952	30.49%
Ca 317.933†	190581.6	26520	ug/L	82.9	26520	ug/L	82.9	0.31%
Cd 214.440†	11.6	0.356	ug/L	0.5495	0.356	ug/L	0.5495	154.37%
Co 228.616†	37.3	3.308	ug/L	0.4791	3.308	ug/L	0.4791	14.48%
Cr 267.716†	77.7	3.848	ug/L	0.4180	3.848	ug/L	0.4180	10.86%
Fe 238.204†	414.1	214.7	ug/L	1.47	214.7	ug/L	1.47	0.68%
K 766.490†	51131.2	9161	ug/L	15.6	9161	ug/L	15.6	0.17%
Mg 285.213†	56177.6	5664	ug/L	13.4	5664	ug/L	13.4	0.24%
Mn 257.610†	58025.5	163.2	ug/L	0.29	163.2	ug/L	0.29	0.18%
Mo 202.031†	-5.7	-1.375	ug/L	0.1504	-1.375	ug/L	0.1504	10.94%
Na 589.592†	508146.9	69020	ug/L	375.4	69020	ug/L	375.4	0.54%
Ni 231.604†	54.0	7.649	ug/L	0.0225	7.649	ug/L	0.0225	0.29%
Pb 220.353†	-2.4	-1.349	ug/L	10.3412	-1.349	ug/L	10.3412	766.82%
Sb 206.836†	-14.9	-8.520	ug/L	3.4928	-8.520	ug/L	3.4928	41.00%
Se 196.026†	-14.8	-24.81	ug/L	7.207	-24.81	ug/L	7.207	29.05%
V 311.071†	61.7	0.538	ug/L	0.1860	0.538	ug/L	0.1860	34.55%
Sn 189.927†	-3.0	-0.816	ug/L	4.4231	-0.816	ug/L	4.4231	542.09%
Sr 421.552†	92324.0	130.2	ug/L	0.51	130.2	ug/L	0.51	0.39%
Tl 190.801†	-9.0	-5.625	ug/L	3.1318	-5.625	ug/L	3.1318	55.68%
Zn 206.200†	251.4	25.45	ug/L	0.236	25.45	ug/L	0.236	0.93%
Ti 334.940†	900.5	1.840	ug/L	0.0786	1.840	ug/L	0.0786	4.27%
B 249.772†	1098.1	35.97	ug/L	0.261	35.97	ug/L	0.261	0.73%
Cu 324.752†	3059.6	12.77	ug/L	0.112	12.77	ug/L	0.112	0.88%
S 181.975†	1178.6	11030	ug/L	59.2	11030	ug/L	59.2	0.54%
Zr 343.823†	12.8	-0.408	ug/L	0.0129	-0.408	ug/L	0.0129	3.17%
Li 670.784†	767.3	4.032	ug/L	0.7048	4.032	ug/L	0.7048	17.48%

Sequence No.: 37
Sample ID: 220-15975-d-3-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 7/14/2011 12:52:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15975-d-3-a

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	756940.4	0.999	mg/L	0.0200				2.01%
Y (radial)	97807.7	1.013	mg/L	0.0005				0.04%
Ag 328.068†	-205.3	-0.146	ug/L	0.0217	-0.146	ug/L	0.0217	14.87%
Al 396.153†	290.0	36.37	ug/L	9.170	36.37	ug/L	9.170	25.21%
As 188.979†	7.3	11.67	ug/L	1.830	11.67	ug/L	1.830	15.68%
Ba 233.527†	15652.0	285.7	ug/L	0.73	285.7	ug/L	0.73	0.25%
Be 313.107†	-72.5	-0.072	ug/L	0.0403	-0.072	ug/L	0.0403	55.69%
Ca 317.933†	251021.2	34940	ug/L	919.3	34940	ug/L	919.3	2.63%
Cd 214.440†	39.0	0.412	ug/L	0.1754	0.412	ug/L	0.1754	42.54%
Co 228.616†	128.6	10.03	ug/L	0.380	10.03	ug/L	0.380	3.79%
Cr 267.716†	-11.3	0.049	ug/L	0.6673	0.049	ug/L	0.6673	>999.9%
Fe 238.204†	54284.1	28140	ug/L	26.7	28140	ug/L	26.7	0.09%
K 766.490†	29436.5	5274	ug/L	24.0	5274	ug/L	24.0	0.46%
Mg 285.213†	76349.1	7719	ug/L	15.2	7719	ug/L	15.2	0.20%
Mn 257.610†	293629.6	826.5	ug/L	1.29	826.5	ug/L	1.29	0.16%
Mo 202.031†	-6.8	-0.551	ug/L	0.7983	-0.551	ug/L	0.7983	144.90%
Na 589.592†	431682.4	58640	ug/L	1690.3	58640	ug/L	1690.3	2.88%
Ni 231.604†	53.9	7.338	ug/L	0.9148	7.338	ug/L	0.9148	12.47%
Pb 220.353†	1.9	-1.483	ug/L	7.7839	-1.483	ug/L	7.7839	524.86%
Sb 206.836†	-18.0	-9.865	ug/L	1.5754	-9.865	ug/L	1.5754	15.97%
Se 196.026†	-31.5	-41.62	ug/L	10.527	-41.62	ug/L	10.527	25.29%
V 311.071†	265.5	1.242	ug/L	0.1317	1.242	ug/L	0.1317	10.60%
Sn 189.927†	-6.5	-2.727	ug/L	2.8209	-2.727	ug/L	2.8209	103.43%
Sr 421.552†	104708.5	147.6	ug/L	4.42	147.6	ug/L	4.42	3.00%
Tl 190.801†	-12.0	-5.385	ug/L	5.9926	-5.385	ug/L	5.9926	111.28%
Zn 206.200†	77.9	7.870	ug/L	1.0149	7.870	ug/L	1.0149	12.90%

Ti 334.940†	-253.2	-0.517	ug/L	0.0713	-0.517	ug/L	0.0713 13.78%
B 249.772†	3819.6	7.927	ug/L	2.0199	7.927	ug/L	2.0199 25.48%
Cu 324.752†	-1015.2	-0.797	ug/L	0.3358	-0.797	ug/L	0.3358 42.14%
S 181.975†	1500.1	14050	ug/L	178.6	14050	ug/L	178.6 1.27%
Zr 343.823†	78.0	-1.174	ug/L	0.0479	-1.174	ug/L	0.0479 4.08%
Li 670.784†	409.4	2.151	ug/L	0.5918	2.151	ug/L	0.5918 27.51%

Sequence No.: 38
Sample ID: 220-15975-d-4-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 62
Date Collected: 7/14/2011 12:55:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15975-d-4-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	734579.8	0.970	mg/L	0.0020				0.21%
Y (radial)	95031.4	0.984	mg/L	0.0091				0.92%
Ag 328.068†	-205.7	-0.120	ug/L	0.1739	-0.120	ug/L	0.1739	144.83%
Al 396.153†	263.9	33.07	ug/L	1.671	33.07	ug/L	1.671	5.05%
As 188.979†	-0.1	2.567	ug/L	1.5494	2.567	ug/L	1.5494	60.35%
Ba 233.527†	15629.5	285.2	ug/L	0.64	285.2	ug/L	0.64	0.23%
Be 313.107†	-57.1	-0.057	ug/L	0.0288	-0.057	ug/L	0.0288	50.18%
Ca 317.933†	254661.0	35440	ug/L	498.3	35440	ug/L	498.3	1.41%
Cd 214.440†	40.3	0.433	ug/L	0.1572	0.433	ug/L	0.1572	36.26%
Co 228.616†	126.0	9.783	ug/L	0.1897	9.783	ug/L	0.1897	1.94%
Cr 267.716†	-3.2	0.456	ug/L	0.5755	0.456	ug/L	0.5755	126.27%
Fe 238.204†	55471.4	28760	ug/L	47.6	28760	ug/L	47.6	0.17%
K 766.490†	29413.7	5270	ug/L	19.2	5270	ug/L	19.2	0.36%
Mg 285.213†	76881.0	7774	ug/L	3.7	7774	ug/L	3.7	0.05%
Mn 257.610†	297590.2	837.7	ug/L	0.02	837.7	ug/L	0.02	0.00%
Mo 202.031†	-3.6	0.255	ug/L	0.0445	0.255	ug/L	0.0445	17.43%
Na 589.592†	443010.1	60180	ug/L	875.8	60180	ug/L	875.8	1.46%
Ni 231.604†	48.8	6.609	ug/L	1.6766	6.609	ug/L	1.6766	25.37%
Pb 220.353†	3.1	-0.674	ug/L	2.3110	-0.674	ug/L	2.3110	342.91%
Sb 206.836†	-25.7	-15.68	ug/L	3.887	-15.68	ug/L	3.887	24.79%
Se 196.026†	-27.1	-31.33	ug/L	0.246	-31.33	ug/L	0.246	0.79%
V 311.071†	293.8	1.406	ug/L	0.3212	1.406	ug/L	0.3212	22.85%
Sn 189.927†	-18.0	-10.13	ug/L	4.702	-10.13	ug/L	4.702	46.43%
Sr 421.552†	107224.3	151.1	ug/L	1.99	151.1	ug/L	1.99	1.32%
Tl 190.801†	-21.9	-12.64	ug/L	2.254	-12.64	ug/L	2.254	17.83%
Zn 206.200†	79.0	7.988	ug/L	0.8475	7.988	ug/L	0.8475	10.61%
Ti 334.940†	-238.9	-0.488	ug/L	0.0570	-0.488	ug/L	0.0570	11.67%
B 249.772†	3919.3	8.641	ug/L	1.4229	8.641	ug/L	1.4229	16.47%
Cu 324.752†	-923.5	-0.340	ug/L	0.0310	-0.340	ug/L	0.0310	9.12%
S 181.975†	1489.6	13950	ug/L	143.9	13950	ug/L	143.9	1.03%
Zr 343.823†	97.9	-1.011	ug/L	0.0496	-1.011	ug/L	0.0496	4.91%
Li 670.784†	452.8	2.379	ug/L	0.3206	2.379	ug/L	0.3206	13.47%

Sequence No.: 39
Sample ID: 220-15975-d-5-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 63
Date Collected: 7/14/2011 12:58:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15975-d-5-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	762253.1	1.006	mg/L	0.0073				0.73%
Y (radial)	100320.8	1.039	mg/L	0.0081				0.78%
Ag 328.068†	-185.5	-0.280	ug/L	0.1610	-0.280	ug/L	0.1610	57.46%
Al 396.153†	7234.5	905.4	ug/L	1.00	905.4	ug/L	1.00	0.11%
As 188.979†	6.1	9.679	ug/L	9.2171	9.679	ug/L	9.2171	95.23%
Ba 233.527†	8453.8	154.2	ug/L	0.35	154.2	ug/L	0.35	0.22%
Be 313.107†	23.6	0.140	ug/L	0.0526	0.140	ug/L	0.0526	37.49%
Ca 317.933†	180012.5	25050	ug/L	46.5	25050	ug/L	46.5	0.19%
Cd 214.440†	27.6	0.228	ug/L	0.3794	0.228	ug/L	0.3794	166.49%
Co 228.616†	14.2	0.406	ug/L	0.0828	0.406	ug/L	0.0828	20.40%

Cr 267.716†	37.5	2.339 ug/L	0.6659	2.339 ug/L	0.6659	28.47%
Fe 238.204†	42786.3	22180 ug/L	101.8	22180 ug/L	101.8	0.46%
K 766.490†	24844.2	4451 ug/L	4.5	4451 ug/L	4.5	0.10%
Mg 285.213†	97150.3	9812 ug/L	18.4	9812 ug/L	18.4	0.19%
Mn 257.610†	90713.1	255.0 ug/L	0.41	255.0 ug/L	0.41	0.16%
Mo 202.031†	-3.1	0.123 ug/L	0.7830	0.123 ug/L	0.7830	638.76%
Na 589.592†	474667.2	64480 ug/L	1245.4	64480 ug/L	1245.4	1.93%
Ni 231.604†	12.9	1.578 ug/L	1.0696	1.578 ug/L	1.0696	67.77%
Pb 220.353†	29.6	19.60 ug/L	6.133	19.60 ug/L	6.133	31.29%
Sb 206.836†	-17.0	-10.21 ug/L	3.666	-10.21 ug/L	3.666	35.90%
Se 196.026†	-25.1	-34.16 ug/L	19.644	-34.16 ug/L	19.644	57.52%
V 311.071†	697.3	3.524 ug/L	0.0118	3.524 ug/L	0.0118	0.34%
Sn 189.927†	-6.3	-2.853 ug/L	7.5932	-2.853 ug/L	7.5932	266.19%
Sr 421.552†	84661.2	119.4 ug/L	0.03	119.4 ug/L	0.03	0.02%
Tl 190.801†	-11.7	-5.522 ug/L	4.7771	-5.522 ug/L	4.7771	86.51%
Zn 206.200†	888.4	89.84 ug/L	1.553	89.84 ug/L	1.553	1.73%
Ti 334.940†	14838.7	30.32 ug/L	0.302	30.32 ug/L	0.302	1.00%
B 249.772†	3177.0	11.84 ug/L	0.257	11.84 ug/L	0.257	2.17%
Cu 324.752†	16648.2	72.07 ug/L	0.663	72.07 ug/L	0.663	0.92%
S 181.975†	445.3	4399 ug/L	16.6	4399 ug/L	16.6	0.38%
Zr 343.823†	128.2	-0.434 ug/L	0.1579	-0.434 ug/L	0.1579	36.34%
Li 670.784†	748.7	3.934 ug/L	0.0952	3.934 ug/L	0.0952	2.42%

User canceled analysis.

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Analysis Begun

Start Time: 7/14/2011 1:34:23 PM **Plasma On Time: 7/14/2011 8:46:01 AM**
Logged In Analyst: ctmetals **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3101802Autosampler Model: AS-93plus

Sample Information File: C:\pe\4300cycloneAT\Sample Information\071411.sif
Batch ID:
Results Data Set: 071411d
Results Library: C:\PE\4300cycloneAT\2007 Results\Results.mdb

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Sequence No.: 40 **Autosampler Location: 64**
Sample ID: 220-15933-d-5-b @2 **Date Collected: 7/14/2011 1:34:24 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 220-15933-d-5-b @2

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	852180.2	1.125	mg/L	0.0056				0.50%
Y (radial)	109438.3	1.133	mg/L	0.0198				1.75%
Ag 328.068†	-353.1	1.156	ug/L	0.0075	1.156	ug/L	0.0075	0.65%
Al 396.153†	212172.2	26550	ug/L	17.5	26550	ug/L	17.5	0.07%
As 188.979†	11.8	21.15	ug/L	15.006	21.15	ug/L	15.006	70.96%
Ba 233.527†	17078.4	311.2	ug/L	6.55	311.2	ug/L	6.55	2.10%
Be 313.107†	97.1	2.088	ug/L	0.1218	2.088	ug/L	0.1218	5.83%
Ca 317.933†	125579.4	17480	ug/L	123.8	17480	ug/L	123.8	0.71%
Cd 214.440†	78.0	0.340	ug/L	0.0909	0.340	ug/L	0.0909	26.73%
Co 228.616†	714.8	56.71	ug/L	0.714	56.71	ug/L	0.714	1.26%
Cr 267.716†	1324.4	65.85	ug/L	1.089	65.85	ug/L	1.089	1.65%
Fe 238.204†	141228.7	73220	ug/L	339.0	73220	ug/L	339.0	0.46%
K 766.490†	19707.9	3531	ug/L	1.1	3531	ug/L	1.1	0.03%
Mg 285.213†	74481.0	7565	ug/L	4.9	7565	ug/L	4.9	0.07%
Mn 257.610†	2239127.6	6305	ug/L	0.5	6305	ug/L	0.5	0.01%
Mo 202.031†	-16.3	-1.120	ug/L	1.0746	-1.120	ug/L	1.0746	95.96%
Na 589.592†	30249.6	4109	ug/L	7.7	4109	ug/L	7.7	0.19%
Ni 231.604†	364.0	50.84	ug/L	0.307	50.84	ug/L	0.307	0.60%
Pb 220.353†	153.4	107.6	ug/L	3.30	107.6	ug/L	3.30	3.07%
Sb 206.836†	-15.8	-11.04	ug/L	2.883	-11.04	ug/L	2.883	26.10%
Se 196.026†	-26.6	-7.734	ug/L	21.6261	-7.734	ug/L	21.6261	279.64%
V 311.071†	14131.5	79.09	ug/L	1.660	79.09	ug/L	1.660	2.10%
Sn 189.927†	-3.7	0.851	ug/L	3.6006	0.851	ug/L	3.6006	422.98%
Sr 421.552†	1615137.3	2284	ug/L	12.4	2284	ug/L	12.4	0.55%
Tl 190.801†	-14.2	3.010	ug/L	1.0862	3.010	ug/L	1.0862	36.09%

Zn 206.200†	1406.0	142.7	ug/L	1.80	142.7	ug/L	1.80 1.26%
Ti 334.940†	252027.3	515.0	ug/L	9.14	515.0	ug/L	9.14 1.77%
B 249.772†	8131.9	-40.04	ug/L	3.045	-40.04	ug/L	3.045 7.61%
Cu 324.752†	30994.7	138.1	ug/L	2.39	138.1	ug/L	2.39 1.73%
S 181.975†	92.4	1079	ug/L	0.7	1079	ug/L	0.7 0.07%
Zr 343.823†	588.7	-0.054	ug/L	0.0552	-0.054	ug/L	0.0552 103.11%
Li 670.784†	3830.7	20.13	ug/L	0.256	20.13	ug/L	0.256 1.27%

Sequence No.: 41
Sample ID: 220-15933-d-8-b @2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 65
Date Collected: 7/14/2011 1:37:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15933-d-8-b @2

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	841077.5	1.110	mg/L	0.0040				0.36%
Y (radial)	106956.7	1.108	mg/L	0.0042				0.38%
Ag 328.068†	-361.8	0.768	ug/L	0.1183	0.768	ug/L	0.1183	15.41%
Al 396.153†	181762.5	22750	ug/L	93.1	22750	ug/L	93.1	0.41%
As 188.979†	22.4	33.76	ug/L	1.639	33.76	ug/L	1.639	4.85%
Ba 233.527†	15954.7	290.8	ug/L	0.99	290.8	ug/L	0.99	0.34%
Be 313.107†	35.5	1.899	ug/L	0.0500	1.899	ug/L	0.0500	2.63%
Ca 317.933†	138526.6	19280	ug/L	48.1	19280	ug/L	48.1	0.25%
Cd 214.440†	59.8	-0.045	ug/L	0.0170	-0.045	ug/L	0.0170	37.61%
Co 228.616†	629.9	49.84	ug/L	0.145	49.84	ug/L	0.145	0.29%
Cr 267.716†	1235.2	61.38	ug/L	0.850	61.38	ug/L	0.850	1.38%
Fe 238.204†	128928.4	66840	ug/L	177.5	66840	ug/L	177.5	0.27%
K 766.490†	17916.8	3210	ug/L	0.8	3210	ug/L	0.8	0.02%
Mg 285.213†	66673.5	6773	ug/L	10.0	6773	ug/L	10.0	0.15%
Mn 257.610†	2023264.9	5697	ug/L	13.6	5697	ug/L	13.6	0.24%
Mo 202.031†	-27.5	-4.093	ug/L	1.3214	-4.093	ug/L	1.3214	32.28%
Na 589.592†	29731.6	4039	ug/L	16.9	4039	ug/L	16.9	0.42%
Ni 231.604†	339.8	47.47	ug/L	1.289	47.47	ug/L	1.289	2.72%
Pb 220.353†	125.8	87.57	ug/L	4.969	87.57	ug/L	4.969	5.67%
Sb 206.836†	-7.7	-4.731	ug/L	1.9364	-4.731	ug/L	1.9364	40.93%
Se 196.026†	-31.1	-21.13	ug/L	9.402	-21.13	ug/L	9.402	44.50%
V 311.071†	12814.4	71.58	ug/L	0.866	71.58	ug/L	0.866	1.21%
Sn 189.927†	-5.8	-0.586	ug/L	1.1284	-0.586	ug/L	1.1284	192.60%
Sr 421.552†	1797865.9	2542	ug/L	27.2	2542	ug/L	27.2	1.07%
Tl 190.801†	-17.6	-0.319	ug/L	1.4678	-0.319	ug/L	1.4678	459.98%
Zn 206.200†	1308.2	132.8	ug/L	0.38	132.8	ug/L	0.38	0.29%
Ti 334.940†	235661.0	481.5	ug/L	3.08	481.5	ug/L	3.08	0.64%
B 249.772†	7406.4	-37.13	ug/L	2.446	-37.13	ug/L	2.446	6.59%
Cu 324.752†	27963.7	124.7	ug/L	1.05	124.7	ug/L	1.05	0.84%
S 181.975†	103.3	1156	ug/L	17.8	1156	ug/L	17.8	1.54%
Zr 343.823†	546.1	-0.157	ug/L	0.1858	-0.157	ug/L	0.1858	118.09%
Li 670.784†	3285.6	17.27	ug/L	0.375	17.27	ug/L	0.375	2.17%

Sequence No.: 42 SFC
Sample ID: ✓ STD 20
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 66
Date Collected: 7/14/2011 1:40:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

NP. 7/14/11

Mean Data: 1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	736721.1	0.972	mg/L	0.0119				1.22%
Y (radial)	95155.4	0.986	mg/L	0.0105				1.07%
Ag 328.068†	19.4	0.142	ug/L	0.0770	0.142	ug/L	0.0770	54.35%
Al 396.153†	110.6	15.59	ug/L	6.120	15.59	ug/L	6.120	39.26%
As 188.979†	7.2	9.069	ug/L	4.0559	9.069	ug/L	4.0559	44.72%
Ba 233.527†	44.2	0.809	ug/L	0.0612	0.809	ug/L	0.0612	7.57%
Be 313.107†	-139.8	-0.136	ug/L	0.0022	-0.136	ug/L	0.0022	1.62%
Ca 317.933†	-167.6	-23.32	ug/L	0.893	-23.32	ug/L	0.893	3.83%
Cd 214.440†	-8.6	-0.270	ug/L	0.2800	-0.270	ug/L	0.2800	103.81%

Co 228.616†	-0.9	-0.124 ug/L	0.6740	-0.124 ug/L	0.6740	543.25%
Cr 267.716†	16.7	0.811 ug/L	0.0654	0.811 ug/L	0.0654	8.07%
Fe 238.204†	35.6	18.46 ug/L	1.776	18.46 ug/L	1.776	9.62%
K 766.490†	160.2	28.70 ug/L	36.324	28.70 ug/L	36.324	126.58%
Mg 285.213†	-2.4	-0.232 ug/L	0.6768	-0.232 ug/L	0.6768	291.78%
Mn 257.610†	141.5	0.398 ug/L	0.0063	0.398 ug/L	0.0063	1.58%
Mo 202.031†	-154.9	-37.70 ug/L	0.347	-37.70 ug/L	0.347	0.92%
Na 589.592†	-1006.7	-136.7 ug/L	3.78	-136.7 ug/L	3.78	2.77%
Ni 231.604†	-1.0	-0.144 ug/L	1.3822	-0.144 ug/L	1.3822	961.12%
Pb 220.353†	-4.6	-3.453 ug/L	3.6567	-3.453 ug/L	3.6567	105.91%
Sb 206.836†	2.1	1.242 ug/L	1.6608	1.242 ug/L	1.6608	133.71%
Se 196.026†	-0.2	-0.392 ug/L	14.9702	-0.392 ug/L	14.9702	>999.9%
V 311.071†	53.9	0.329 ug/L	0.0675	0.329 ug/L	0.0675	20.51%
Sn 189.927†	4.0	2.532 ug/L	3.7828	2.532 ug/L	3.7828	149.40%
Sr 421.552†	Saturated2					
Tl 190.801†	2.1	1.561 ug/L	2.0371	1.561 ug/L	2.0371	130.50%
Zn 206.200†	30.0	3.043 ug/L	0.2572	3.043 ug/L	0.2572	8.45%
Ti 334.940†	-24.3	-0.050 ug/L	0.0367	-0.050 ug/L	0.0367	73.86%
B 249.772†	-60.5	-2.112 ug/L	0.0113	-2.112 ug/L	0.0113	0.54%
Cu 324.752†	-460.7	-1.917 ug/L	0.2533	-1.917 ug/L	0.2533	13.21%
S 181.975†	62.6	576.1 ug/L	15.58	576.1 ug/L	15.58	2.70%
Zr 343.823†	27.1	0.042 ug/L	0.0845	0.042 ug/L	0.0845	199.98%
Li 670.784†	260.0	1.366 ug/L	0.0008	1.366 ug/L	0.0008	0.06%

Sequence No.: 43 SFC STD 19 7/14/11
Sample ID: 2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 67
Date Collected: 7/14/2011 1:44:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 2

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	736173.0	0.972	mg/L	0.0107				1.10%
Y (radial)	94867.3	0.983	mg/L	0.0173				1.76%
Ag 328.068†	11.7	0.086	ug/L	0.3041	0.086	ug/L	0.3041	352.28%
Al 396.153†	91.5	11.44	ug/L	1.090	11.44	ug/L	1.090	9.53%
As 188.979†	4.5	5.574	ug/L	8.8565	5.574	ug/L	8.8565	158.90%
Ba 233.527†	-7.0	-0.128	ug/L	0.0841	-0.128	ug/L	0.0841	65.70%
Be 313.107†	-103.3	-0.100	ug/L	0.0137	-0.100	ug/L	0.0137	13.78%
Ca 317.933†	-64.0	-8.904	ug/L	0.7689	-8.904	ug/L	0.7689	8.64%
Cd 214.440†	3.6	0.112	ug/L	0.1853	0.112	ug/L	0.1853	165.91%
Co 228.616†	-1.2	-0.098	ug/L	0.4759	-0.098	ug/L	0.4759	483.82%
Cr 267.716†	-0.3	-0.015	ug/L	0.5378	-0.015	ug/L	0.5378	>999.9%
Fe 238.204†	11.9	6.191	ug/L	0.5973	6.191	ug/L	0.5973	9.65%
K 766.490†	148.1	26.53	ug/L	0.866	26.53	ug/L	0.866	3.27%
Mg 285.213†	5.4	0.549	ug/L	0.3715	0.549	ug/L	0.3715	67.61%
Mn 257.610†	57.5	0.162	ug/L	0.0083	0.162	ug/L	0.0083	5.12%
Mo 202.031†	0.9	0.219	ug/L	0.0365	0.219	ug/L	0.0365	16.62%
Na 589.592†	-1277.2	-173.5	ug/L	3.36	-173.5	ug/L	3.36	1.94%
Ni 231.604†	10.9	1.549	ug/L	0.3730	1.549	ug/L	0.3730	24.08%
Pb 220.353†	4.0	2.927	ug/L	3.0261	2.927	ug/L	3.0261	103.39%
Sb 206.836†	-182.8	-11.68	ug/L	1.914	-11.68	ug/L	1.914	16.39%
Se 196.026†	1.1	2.351	ug/L	5.4188	2.351	ug/L	5.4188	230.46%
V 311.071†	48.3	0.294	ug/L	0.3662	0.294	ug/L	0.3662	124.48%
Sn 189.927†	30576.6	19600	ug/L	10.0	19600	ug/L	10.0	0.05%
Sr 421.552†	69.7	0.099	ug/L	0.0113	0.099	ug/L	0.0113	11.45%
Tl 190.801†	2.3	1.733	ug/L	0.2015	1.733	ug/L	0.2015	11.63%
Zn 206.200†	14.5	1.468	ug/L	0.1315	1.468	ug/L	0.1315	8.96%
Ti 334.940†	74.4	0.152	ug/L	0.0686	0.152	ug/L	0.0686	45.14%
B 249.772†	-51.7	-1.765	ug/L	0.0186	-1.765	ug/L	0.0186	1.05%
Cu 324.752†	-575.2	-2.396	ug/L	0.0933	-2.396	ug/L	0.0933	3.89%
S 181.975†	5.2	48.28	ug/L	73.110	48.28	ug/L	73.110	151.43%
Zr 343.823†	-16.9	-0.130	ug/L	0.1691	-0.130	ug/L	0.1691	129.92%
Li 670.784†	384.7	2.022	ug/L	0.4032	2.022	ug/L	0.4032	19.94%

Sequence No.: 44
Sample ID: CCV
Analyst:

Autosampler Location: 7
Date Collected: 7/14/2011 1:47:58 PM
Data Type: Original

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	742582.8	0.980	mg/L	0.0057				0.59%
Y (radial)	96866.0	1.003	mg/L	0.0108				1.07%
Ag 328.068†	34494.7	248.3	ug/L	0.92	248.3	ug/L	0.92	0.37%
QC value within limits for Ag 328.068 Recovery = 99.32%								
Al 396.153†	40179.0	5005	ug/L	15.4	5005	ug/L	15.4	0.31%
QC value within limits for Al 396.153 Recovery = 100.10%								
As 188.979†	426.7	529.7	ug/L	2.44	529.7	ug/L	2.44	0.46%
QC value within limits for As 188.979 Recovery = 105.95%								
Ba 233.527†	27966.9	512.1	ug/L	2.19	512.1	ug/L	2.19	0.43%
QC value within limits for Ba 233.527 Recovery = 102.43%								
Be 313.107†	520280.5	507.0	ug/L	0.55	507.0	ug/L	0.55	0.11%
QC value within limits for Be 313.107 Recovery = 101.39%								
Ca 317.933†	134101.4	18660	ug/L	75.3	18660	ug/L	75.3	0.40%
QC value within limits for Ca 317.933 Recovery = 100.88%								
Cd 214.440†	16679.5	519.5	ug/L	0.43	519.5	ug/L	0.43	0.08%
QC value within limits for Cd 214.440 Recovery = 103.89%								
Co 228.616†	6144.0	518.8	ug/L	5.35	518.8	ug/L	5.35	1.03%
QC value within limits for Co 228.616 Recovery = 103.75%								
Cr 267.716†	10712.3	521.4	ug/L	6.66	521.4	ug/L	6.66	1.28%
QC value within limits for Cr 267.716 Recovery = 104.28%								
Fe 238.204†	11217.4	5815	ug/L	53.7	5815	ug/L	53.7	0.92%
QC value within limits for Fe 238.204 Recovery = 105.73%								
K 766.490†	216757.8	38840	ug/L	340.3	38840	ug/L	340.3	0.88%
QC value within limits for K 766.490 Recovery = 97.09%								
Mg 285.213†	190438.8	19210	ug/L	202.1	19210	ug/L	202.1	1.05%
QC value within limits for Mg 285.213 Recovery = 103.82%								
Mn 257.610†	182691.3	513.6	ug/L	0.15	513.6	ug/L	0.15	0.03%
QC value within limits for Mn 257.610 Recovery = 102.72%								
Mo 202.031†	2052.5	499.8	ug/L	4.63	499.8	ug/L	4.63	0.93%
QC value within limits for Mo 202.031 Recovery = 99.96%								
Na 589.592†	294362.8	39980	ug/L	415.4	39980	ug/L	415.4	1.04%
QC value within limits for Na 589.592 Recovery = 99.96%								
Ni 231.604†	3681.2	522.3	ug/L	5.61	522.3	ug/L	5.61	1.07%
QC value within limits for Ni 231.604 Recovery = 104.46%								
Pb 220.353†	705.2	519.4	ug/L	0.57	519.4	ug/L	0.57	0.11%
QC value within limits for Pb 220.353 Recovery = 103.88%								
Sb 206.836†	648.9	492.5	ug/L	0.93	492.5	ug/L	0.93	0.19%
QC value within limits for Sb 206.836 Recovery = 98.51%								
Se 196.026†	221.9	501.3	ug/L	11.35	501.3	ug/L	11.35	2.26%
QC value within limits for Se 196.026 Recovery = 100.25%								
V 311.071†	81481.8	490.6	ug/L	0.08	490.6	ug/L	0.08	0.02%
QC value within limits for V 311.071 Recovery = 98.12%								
Sn 189.927†	801.0	516.8	ug/L	7.14	516.8	ug/L	7.14	1.38%
QC value within limits for Sn 189.927 Recovery = 103.36%								
Sr 421.552†	350185.0	495.0	ug/L	5.89	495.0	ug/L	5.89	1.19%
QC value within limits for Sr 421.552 Recovery = 99.00%								
Tl 190.801†	698.7	522.9	ug/L	5.89	522.9	ug/L	5.89	1.13%
QC value within limits for Tl 190.801 Recovery = 104.57%								
Zn 206.200†	5054.1	515.4	ug/L	8.07	515.4	ug/L	8.07	1.56%
QC value within limits for Zn 206.200 Recovery = 103.07%								
Ti 334.940†	251149.4	513.2	ug/L	1.05	513.2	ug/L	1.05	0.21%
QC value within limits for Ti 334.940 Recovery = 102.64%								
B 249.772†	14230.4	453.2	ug/L	7.15	453.2	ug/L	7.15	1.58%
QC value within limits for B 249.772 Recovery = 90.64%								
Cu 324.752†	121214.6	505.8	ug/L	4.12	505.8	ug/L	4.12	0.81%
QC value within limits for Cu 324.752 Recovery = 101.15%								
S 181.975†	1030.8	10080	ug/L	199.7	10080	ug/L	199.7	1.98%
QC value within limits for S 181.975 Recovery = 100.77%								
Zr 343.823†	105198.4	486.4	ug/L	0.85	486.4	ug/L	0.85	0.17%
QC value within limits for Zr 343.823 Recovery = 97.27%								
Li 670.784†	92068.0	483.8	ug/L	5.28	483.8	ug/L	5.28	1.09%
QC value within limits for Li 670.784 Recovery = 96.76%								

All analyte(s) passed QC.

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Sequence No.: 45
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/14/2011 1:51:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	763179.6	1.007	mg/L	0.0047				0.46%
Y (radial)	98024.2	1.015	mg/L	0.0247				2.43%
Ag 328.068†	-11.6	-0.093	ug/L	0.1228	-0.093	ug/L	0.1228	132.66%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	16.4	1.978	ug/L	2.2039	1.978	ug/L	2.2039	111.41%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	0.4	0.511	ug/L	0.4122	0.511	ug/L	0.4122	80.58%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	6.4	0.113	ug/L	0.0967	0.113	ug/L	0.0967	85.40%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	61.6	0.060	ug/L	0.0047	0.060	ug/L	0.0047	7.78%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	-7.3	-1.016	ug/L	0.3739	-1.016	ug/L	0.3739	36.82%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	-1.0	-0.032	ug/L	0.2849	-0.032	ug/L	0.2849	889.54%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	8.1	0.690	ug/L	0.3076	0.690	ug/L	0.3076	44.60%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	2.0	0.095	ug/L	0.4711	0.095	ug/L	0.4711	497.71%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Fe 238.204†	-0.7	-0.366	ug/L	2.2491	-0.366	ug/L	2.2491	615.00%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	127.5	22.85	ug/L	2.953	22.85	ug/L	2.953	12.93%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	-9.7	-0.976	ug/L	1.7123	-0.976	ug/L	1.7123	175.52%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	-8.4	-0.024	ug/L	0.0150	-0.024	ug/L	0.0150	63.94%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	7.1	1.730	ug/L	0.0773	1.730	ug/L	0.0773	4.47%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-1423.1	-193.3	ug/L	11.42	-193.3	ug/L	11.42	5.91%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	10.5	1.485	ug/L	1.3762	1.485	ug/L	1.3762	92.66%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.8	1.331	ug/L	0.1120	1.331	ug/L	0.1120	8.42%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	7.2	5.533	ug/L	1.3124	5.533	ug/L	1.3124	23.72%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-5.1	-11.32	ug/L	8.761	-11.32	ug/L	8.761	77.38%
QC value within limits for Se 196.026 Recovery = Not calculated								
V 311.071†	-229.5	-1.409	ug/L	0.0710	-1.409	ug/L	0.0710	5.04%
QC value within limits for V 311.071 Recovery = Not calculated								
Sn 189.927†	11.9	7.616	ug/L	2.4953	7.616	ug/L	2.4953	32.76%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	76.8	0.109	ug/L	0.0047	0.109	ug/L	0.0047	4.32%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Tl 190.801†	0.9	0.638	ug/L	2.5623	0.638	ug/L	2.5623	401.59%
QC value within limits for Tl 190.801 Recovery = Not calculated								
Zn 206.200†	0.8	0.083	ug/L	0.3506	0.083	ug/L	0.3506	420.62%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Ti 334.940†	19.2	0.039	ug/L	0.0179	0.039	ug/L	0.0179	45.74%
QC value within limits for Ti 334.940 Recovery = Not calculated								
B 249.772†	-22.4	-0.752	ug/L	0.1826	-0.752	ug/L	0.1826	24.28%
QC value within limits for B 249.772 Recovery = Not calculated								
Cu 324.752†	-811.5	-3.381	ug/L	0.0326	-3.381	ug/L	0.0326	0.96%
QC value within limits for Cu 324.752 Recovery = Not calculated								
S 181.975†	1.1	10.11	ug/L	3.705	10.11	ug/L	3.705	36.64%
QC value within limits for S 181.975 Recovery = Not calculated								
Zr 343.823†	135.8	0.631	ug/L	0.0435	0.631	ug/L	0.0435	6.89%
QC value within limits for Zr 343.823 Recovery = Not calculated								
Li 670.784†	195.3	1.026	ug/L	0.8170	1.026	ug/L	0.8170	79.62%
QC value within limits for Li 670.784 Recovery = Not calculated								

All analyte(s) passed QC.
User canceled analysis.

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Analysis Begun

Start Time: 7/14/2011 1:59:31 PM
Logged In Analyst: ctmetals
Spectrometer Model: Optima 4300 DV, S/N 077N3101802
Plasma On Time: 7/14/2011 8:46:01 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\4300cycloneAT\Sample Information\071411.sif
Batch ID:
Results Data Set: 071411d
Results Library: C:\PE\4300cycloneAT\2007 Results\Results.mdb

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Sequence No.: 46
Sample ID: 3 MB 220-52844/1-A
Analyst:
Initial Sample Wt:
Dilution: MR 7/14/11
Autosampler Location: 68
Date Collected: 7/14/2011 1:59:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 3

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	750325.7	0.990	mg/L	0.0027				0.27%
Y (radial)	98447.1	1.020	mg/L	0.0059				0.58%
Ag 328.068†	3.9	0.024	ug/L	0.0317	0.024	ug/L	0.0317	130.40%
Al 396.153†	18.5	2.305	ug/L	3.0558	2.305	ug/L	3.0558	132.57%
As 188.979†	3.8	4.706	ug/L	1.5506	4.706	ug/L	1.5506	32.95%
Ba 233.527†	3.2	0.057	ug/L	0.0750	0.057	ug/L	0.0750	130.44%
Be 313.107†	-83.3	-0.081	ug/L	0.0011	-0.081	ug/L	0.0011	1.34%
Ca 317.933†	-3.2	-0.442	ug/L	1.9520	-0.442	ug/L	1.9520	441.45%
Cd 214.440†	0.1	0.002	ug/L	0.0200	0.002	ug/L	0.0200	>999.9%
Co 228.616†	-2.6	-0.220	ug/L	0.1113	-0.220	ug/L	0.1113	50.67%
Cr 267.716†	7.4	0.361	ug/L	0.5763	0.361	ug/L	0.5763	159.48%
Fe 238.204†	1.7	0.856	ug/L	2.5308	0.856	ug/L	2.5308	295.73%
K 766.490†	15.9	2.853	ug/L	19.0323	2.853	ug/L	19.0323	667.19%
Mg 285.213†	13.2	1.331	ug/L	0.7357	1.331	ug/L	0.7357	55.25%
Mn 257.610†	71.3	0.201	ug/L	0.0049	0.201	ug/L	0.0049	2.42%
Mo 202.031†	0.5	0.127	ug/L	0.5905	0.127	ug/L	0.5905	466.66%
Na 589.592†	-1415.3	-192.2	ug/L	7.46	-192.2	ug/L	7.46	3.88%
Ni 231.604†	5.0	0.707	ug/L	0.4673	0.707	ug/L	0.4673	66.08%
Pb 220.353†	2.2	1.583	ug/L	0.2415	1.583	ug/L	0.2415	15.26%
Sb 206.836†	4.6	3.545	ug/L	1.0232	3.545	ug/L	1.0232	28.86%
Se 196.026†	-0.1	-0.293	ug/L	0.5229	-0.293	ug/L	0.5229	178.68%
V 311.071†	-93.6	-0.574	ug/L	0.0600	-0.574	ug/L	0.0600	10.45%
Sn 189.927†	24.1	15.48	ug/L	2.644	15.48	ug/L	2.644	17.08%
Sr 421.552†	76.1	0.108	ug/L	0.0644	0.108	ug/L	0.0644	59.82%
Tl 190.801†	2.9	2.131	ug/L	1.7676	2.131	ug/L	1.7676	82.94%
Zn 206.200†	5.7	0.581	ug/L	0.0272	0.581	ug/L	0.0272	4.68%
Ti 334.940†	-14.1	-0.029	ug/L	0.0128	-0.029	ug/L	0.0128	44.49%
B 249.772†	-51.8	-1.742	ug/L	0.0807	-1.742	ug/L	0.0807	4.63%
Cu 324.752†	-776.7	-3.236	ug/L	0.0144	-3.236	ug/L	0.0144	0.45%
S 181.975†	-2.1	-19.47	ug/L	6.129	-19.47	ug/L	6.129	31.48%
Zr 343.823†	68.4	0.277	ug/L	0.0271	0.277	ug/L	0.0271	9.81%
Li 670.784†	88.0	0.462	ug/L	0.1262	0.462	ug/L	0.1262	27.30%

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Sequence No.: 47
Sample ID: 4 220-15935-A-1-M
Analyst:
Initial Sample Wt:
Dilution: MR 7/14/11
Autosampler Location: 69
Date Collected: 7/14/2011 2:02:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 4

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	791411.3	1.045	mg/L	0.0040				0.38%
Y (radial)	103757.2	1.075	mg/L	0.0036				0.33%

Ag 328.068†	3607.3	28.18 ug/L	0.132	28.18 ug/L	0.132	0.47%
Al 396.153†	1208259.8	151200 ug/L	884.5	151200 ug/L	884.5	0.58%
As 188.979†	5.1	9.846 ug/L	9.9107	9.846 ug/L	9.9107	100.66%
Ba 233.527†	143829.2	2628 ug/L	27.2	2628 ug/L	27.2	1.04%
Be 313.107†	-491.7	1.119 ug/L	0.0032	1.119 ug/L	0.0032	0.29%
Ca 317.933†	450242.9	62660 ug/L	224.3	62660 ug/L	224.3	0.36%
Cd 214.440†	249.3	5.430 ug/L	0.2596	5.430 ug/L	0.2596	4.78%
Co 228.616†	159.0	11.94 ug/L	1.631	11.94 ug/L	1.631	13.66%
Cr 267.716†	3360.4	165.0 ug/L	1.13	165.0 ug/L	1.13	0.68%
Fe 238.204†	157917.3	81870 ug/L	314.4	81870 ug/L	314.4	0.38%
K 766.490†	67485.2	12090 ug/L	23.7	12090 ug/L	23.7	0.20%
Mg 285.213†	125907.5	12760 ug/L	7.4	12760 ug/L	7.4	0.06%
Mn 257.610†	2201434.7	6199 ug/L	21.3	6199 ug/L	21.3	0.34%
Mo 202.031†	272.1	69.43 ug/L	2.038	69.43 ug/L	2.038	2.93%
Na 589.592†	42190.6	5731 ug/L	0.9	5731 ug/L	0.9	0.02%
Ni 231.604†	466.5	65.21 ug/L	1.786	65.21 ug/L	1.786	2.74%
Pb 220.353†	316.3	237.4 ug/L	6.86	237.4 ug/L	6.86	2.89%
Sb 206.836†	-12.7	-4.081 ug/L	0.1367	-4.081 ug/L	0.1367	3.35%
Se 196.026†	-32.5	-1.897 ug/L	4.3713	-1.897 ug/L	4.3713	230.41%
V 311.071†	12059.8	66.40 ug/L	0.543	66.40 ug/L	0.543	0.82%
Sn 189.927†	197.7	131.3 ug/L	3.29	131.3 ug/L	3.29	2.50%
Sr 421.552†	546076.7	771.4 ug/L	7.26	771.4 ug/L	7.26	0.94%
Tl 190.801†	-31.7	-8.681 ug/L	6.1933	-8.681 ug/L	6.1933	71.35%
Zn 206.200†	40829.2	4129 ug/L	37.1	4129 ug/L	37.1	0.90%
Ti 334.940†	201765.2	412.3 ug/L	4.23	412.3 ug/L	4.23	1.03%
B 249.772†	13055.2	88.36 ug/L	4.678	88.36 ug/L	4.678	5.29%
Cu 324.752†	908002.7	3793 ug/L	3.1	3793 ug/L	3.1	0.08%
S 181.975†	6963.8	64520 ug/L	675.6	64520 ug/L	675.6	1.05%
Zr 343.823†	65664.0	298.6 ug/L	2.52	298.6 ug/L	2.52	0.85%
Li 670.784†	1740.2	9.145 ug/L	0.4172	9.145 ug/L	0.4172	4.56%

Sequence No.: 48
Sample ID: 220-15964-D-1-B
Analyst:
Initial Sample Wt:
Dilution: 7/14/11

Autosampler Location: 70
Date Collected: 7/14/2011 2:06:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data:

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	806948.7	1.065	mg/L	0.0085				0.80%
Y (radial)	104763.0	1.085	mg/L	0.0042				0.39%
Ag 328.068†	-844.4	-0.671	ug/L	0.0315	-0.671	ug/L	0.0315	4.69%
Al 396.153†	512529.5	64140	ug/L	1008.9	64140	ug/L	1008.9	1.57%
As 188.979†	26.6	41.54	ug/L	4.023	41.54	ug/L	4.023	9.69%
Ba 233.527†	37830.2	690.2	ug/L	3.41	690.2	ug/L	3.41	0.49%
Be 313.107†	-5481.6	2.693	ug/L	0.0056	2.693	ug/L	0.0056	0.21%
Ca 317.933†	1082604.0	150700	ug/L	1695.5	150700	ug/L	1695.5	1.13%
Cd 214.440†	118.4	0.672	ug/L	0.2375	0.672	ug/L	0.2375	35.35%
Co 228.616†	556.2	39.16	ug/L	1.014	39.16	ug/L	1.014	2.59%
Cr 267.716†	2326.5	115.4	ug/L	0.47	115.4	ug/L	0.47	0.41%
Fe 238.204†	203906.7	105700	ug/L	120.7	105700	ug/L	120.7	0.11%
K 766.490†	53789.2	9637	ug/L	39.6	9637	ug/L	39.6	0.41%
Mg 285.213†	250820.4	25370	ug/L	5.2	25370	ug/L	5.2	0.02%
Mn 257.610†	915486.8	2577	ug/L	0.0	2577	ug/L	0.0	0.00%
Mo 202.031†	-2.0	3.652	ug/L	0.0317	3.652	ug/L	0.0317	0.87%
Na 589.592†	40164.2	5456	ug/L	16.6	5456	ug/L	16.6	0.30%
Ni 231.604†	841.5	118.1	ug/L	2.43	118.1	ug/L	2.43	2.06%
Pb 220.353†	1330.9	972.7	ug/L	8.97	972.7	ug/L	8.97	0.92%
Sb 206.836†	-45.2	-19.27	ug/L	0.805	-19.27	ug/L	0.805	4.18%
Se 196.026†	-59.2	-19.62	ug/L	7.052	-19.62	ug/L	7.052	35.93%
V 311.071†	30762.7	163.6	ug/L	0.51	163.6	ug/L	0.51	0.31%
Sn 189.927†	63.7	57.20	ug/L	5.622	57.20	ug/L	5.622	9.83%
Sr 421.552†	300945.7	423.5	ug/L	1.49	423.5	ug/L	1.49	0.35%
Tl 190.801†	-64.6	-4.487	ug/L	1.2714	-4.487	ug/L	1.2714	28.34%
Zn 206.200†	4004.0	405.8	ug/L	3.12	405.8	ug/L	3.12	0.77%
Ti 334.940†	1013055.4	2070	ug/L	2.5	2070	ug/L	2.5	0.12%
B 249.772†	12249.6	-40.72	ug/L	3.809	-40.72	ug/L	3.809	9.36%
Cu 324.752†	63165.9	276.1	ug/L	1.18	276.1	ug/L	1.18	0.43%
S 181.975†	-38.0	420.1	ug/L	30.93	420.1	ug/L	30.93	7.36%

Zr 343.823†	4024.9	14.06 ug/L	0.244	14.06 ug/L	0.244	1.74%
Li 670.784†	17918.8	94.16 ug/L	0.476	94.16 ug/L	0.476	0.51%

Sequence No.: 49
Sample ID: 220-15964-f-5-b
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 71
Date Collected: 7/14/2011 2:09:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15964-f-5-b

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	803984.2	1.061	mg/L	0.0001				0.01%
Y (radial)	103656.5	1.074	mg/L	0.0007				0.06%
Ag 328.068†	-831.1	3.689	ug/L	0.1774	3.689	ug/L	0.1774	4.81%
Al 396.153†	194913.1	24390	ug/L	70.3	24390	ug/L	70.3	0.29%
As 188.979†	48.6	77.72	ug/L	1.560	77.72	ug/L	1.560	2.01%
Ba 233.527†	53797.8	981.0	ug/L	2.55	981.0	ug/L	2.55	0.26%
Be 313.107†	-5645.9	1.268	ug/L	0.0138	1.268	ug/L	0.0138	1.09%
Ca 317.933†	154357.9	21480	ug/L	147.9	21480	ug/L	147.9	0.69%
Cd 214.440†	428.5	7.975	ug/L	0.3387	7.975	ug/L	0.3387	4.25%
Co 228.616†	433.8	26.52	ug/L	0.218	26.52	ug/L	0.218	0.82%
Cr 267.716†	1784.9	90.47	ug/L	0.054	90.47	ug/L	0.054	0.06%
Fe 238.204†	363361.3	188400	ug/L	673.4	188400	ug/L	673.4	0.36%
K 766.490†	25280.4	4529	ug/L	48.2	4529	ug/L	48.2	1.06%
Mg 285.213†	71291.8	7331	ug/L	11.9	7331	ug/L	11.9	0.16%
Mn 257.610†	539574.7	1519	ug/L	4.9	1519	ug/L	4.9	0.32%
Mo 202.031†	8.1	9.323	ug/L	0.8225	9.323	ug/L	0.8225	8.82%
Na 589.592†	36000.2	4890	ug/L	32.1	4890	ug/L	32.1	0.66%
Ni 231.604†	830.1	115.6	ug/L	2.23	115.6	ug/L	2.23	1.93%
Pb 220.353†	5941.1	4348	ug/L	8.9	4348	ug/L	8.9	0.20%
Sb 206.836†	68.7	54.89	ug/L	2.060	54.89	ug/L	2.060	3.75%
Se 196.026†	-60.8	-9.812	ug/L	3.3886	-9.812	ug/L	3.3886	34.54%
V 311.071†	44974.4	251.5	ug/L	1.54	251.5	ug/L	1.54	0.61%
Sn 189.927†	378.8	252.3	ug/L	6.33	252.3	ug/L	6.33	2.51%
Sr 421.552†	136242.1	192.4	ug/L	0.64	192.4	ug/L	0.64	0.33%
Tl 190.801†	-40.0	11.09	ug/L	0.503	11.09	ug/L	0.503	4.54%
Zn 206.200†	49951.5	5051	ug/L	0.3	5051	ug/L	0.3	0.01%
Ti 334.940†	853081.5	1743	ug/L	5.4	1743	ug/L	5.4	0.31%
B 249.772†	21469.0	-84.64	ug/L	6.284	-84.64	ug/L	6.284	7.42%
Cu 324.752†	214537.2	916.9	ug/L	3.09	916.9	ug/L	3.09	0.34%
S 181.975†	897.4	8483	ug/L	84.9	8483	ug/L	84.9	1.00%
Zr 343.823†	1424.5	-1.230	ug/L	0.1551	-1.230	ug/L	0.1551	12.61%
Li 670.784†	7068.3	37.14	ug/L	0.391	37.14	ug/L	0.391	1.05%

Sequence No.: 50
Sample ID: 220-15964-e-6-d
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 72
Date Collected: 7/14/2011 2:12:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15964-e-6-d

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	835868.5	1.103	mg/L	0.0005				0.05%
Y (radial)	109970.0	1.139	mg/L	0.0065				0.57%
Ag 328.068†	-954.1	-0.929	ug/L	0.0487	-0.929	ug/L	0.0487	5.24%
Al 396.153†	604606.3	75660	ug/L	159.8	75660	ug/L	159.8	0.21%
As 188.979†	14.4	27.40	ug/L	2.203	27.40	ug/L	2.203	8.04%
Ba 233.527†	17660.9	321.4	ug/L	0.71	321.4	ug/L	0.71	0.22%
Be 313.107†	-4073.9	3.413	ug/L	0.0326	3.413	ug/L	0.0326	0.95%
Ca 317.933†	85879.3	11950	ug/L	24.3	11950	ug/L	24.3	0.20%
Cd 214.440†	90.3	-0.563	ug/L	0.3199	-0.563	ug/L	0.3199	56.84%
Co 228.616†	764.1	56.20	ug/L	0.240	56.20	ug/L	0.240	0.43%
Cr 267.716†	2815.1	139.4	ug/L	1.66	139.4	ug/L	1.66	1.19%
Fe 238.204†	228317.8	118400	ug/L	99.6	118400	ug/L	99.6	0.08%
K 766.490†	57298.0	10270	ug/L	14.0	10270	ug/L	14.0	0.14%
Mg 285.213†	212448.3	21510	ug/L	22.5	21510	ug/L	22.5	0.10%

Mn 257.610†	909398.2	2560 ug/L	8.4	2560 ug/L	8.4	0.33%
Mo 202.031†	-9.4	2.330 ug/L	0.4266	2.330 ug/L	0.4266	18.31%
Na 589.592†	11572.0	1572 ug/L	1.7	1572 ug/L	1.7	0.11%
Ni 231.604†	928.6	130.4 ug/L	0.25	130.4 ug/L	0.25	0.19%
Pb 220.353†	243.6	173.5 ug/L	6.36	173.5 ug/L	6.36	3.66%
Sb 206.836†	-8.2	-6.892 ug/L	0.9894	-6.892 ug/L	0.9894	14.36%
Se 196.026†	-39.5	-9.396 ug/L	1.8214	-9.396 ug/L	1.8214	19.39%
V 311.071†	28844.0	152.0 ug/L	0.25	152.0 ug/L	0.25	0.16%
Sn 189.927†	6.8	14.24 ug/L	5.043	14.24 ug/L	5.043	35.40%
Sr 421.552†	53490.3	75.48 ug/L	0.143	75.48 ug/L	0.143	0.19%
Tl 190.801†	-54.5	-3.694 ug/L	0.6026	-3.694 ug/L	0.6026	16.31%
Zn 206.200†	2930.7	297.4 ug/L	3.66	297.4 ug/L	3.66	1.23%
Ti 334.940†	931312.8	1903 ug/L	3.3	1903 ug/L	3.3	0.17%
B 249.772†	13880.8	-40.05 ug/L	2.425	-40.05 ug/L	2.425	6.05%
Cu 324.752†	24135.3	115.0 ug/L	0.36	115.0 ug/L	0.36	0.31%
S 181.975†	-430.9	-3316 ug/L	40.0	-3316 ug/L	40.0	1.21%
Zr 343.823†	5012.9	19.46 ug/L	0.136	19.46 ug/L	0.136	0.70%
Li 670.784†	19852.8	104.3 ug/L	0.04	104.3 ug/L	0.04	0.04%

Sequence No.: 51
Sample ID: 220-15964-e-6-e du
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 73
Date Collected: 7/14/2011 2:15:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15964-e-6-e du

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	842854.2	1.113	mg/L	0.0100				0.90%
Y (radial)	111687.6	1.157	mg/L	0.0083				0.72%
Ag 328.068†	-941.9	-0.754	ug/L	0.3023	-0.754	ug/L	0.3023	40.10%
Al 396.153†	575614.1	72040	ug/L	910.4	72040	ug/L	910.4	1.26%
As 188.979†	15.8	29.41	ug/L	3.174	29.41	ug/L	3.174	10.79%
Ba 233.527†	21335.8	388.5	ug/L	1.11	388.5	ug/L	1.11	0.28%
Be 313.107†	-3163.0	3.634	ug/L	0.0478	3.634	ug/L	0.0478	1.32%
Ca 317.933†	129389.7	18010	ug/L	9.0	18010	ug/L	9.0	0.05%
Cd 214.440†	118.0	0.242	ug/L	0.4028	0.242	ug/L	0.4028	166.49%
Co 228.616†	784.1	58.24	ug/L	1.978	58.24	ug/L	1.978	3.40%
Cr 267.716†	2690.0	133.3	ug/L	1.36	133.3	ug/L	1.36	1.02%
Fe 238.204†	232123.1	120300	ug/L	169.6	120300	ug/L	169.6	0.14%
K 766.490†	58428.3	10470	ug/L	66.3	10470	ug/L	66.3	0.63%
Mg 285.213†	208704.3	21130	ug/L	17.3	21130	ug/L	17.3	0.08%
Mn 257.610†	1295613.5	3648	ug/L	0.3	3648	ug/L	0.3	0.01%
Mo 202.031†	-9.6	2.356	ug/L	0.5939	2.356	ug/L	0.5939	25.21%
Na 589.592†	12450.3	1691	ug/L	12.4	1691	ug/L	12.4	0.73%
Ni 231.604†	938.0	131.7	ug/L	0.10	131.7	ug/L	0.10	0.07%
Pb 220.353†	354.2	254.2	ug/L	8.04	254.2	ug/L	8.04	3.16%
Sb 206.836†	-6.9	-5.157	ug/L	0.0859	-5.157	ug/L	0.0859	1.67%
Se 196.026†	-47.0	-23.07	ug/L	14.239	-23.07	ug/L	14.239	61.71%
V 311.071†	28536.2	152.1	ug/L	0.21	152.1	ug/L	0.21	0.14%
Sn 189.927†	7.3	13.94	ug/L	0.723	13.94	ug/L	0.723	5.19%
Sr 421.552†	74428.7	105.0	ug/L	0.38	105.0	ug/L	0.38	0.36%
Tl 190.801†	-43.0	2.768	ug/L	1.3984	2.768	ug/L	1.3984	50.51%
Zn 206.200†	2868.1	291.1	ug/L	2.02	291.1	ug/L	2.02	0.69%
Ti 334.940†	847456.7	1732	ug/L	0.1	1732	ug/L	0.1	0.00%
B 249.772†	14314.8	-33.91	ug/L	0.847	-33.91	ug/L	0.847	2.50%
Cu 324.752†	22219.4	107.3	ug/L	0.33	107.3	ug/L	0.33	0.30%
S 181.975†	-415.8	-3189	ug/L	50.7	-3189	ug/L	50.7	1.59%
Zr 343.823†	5075.3	19.51	ug/L	0.208	19.51	ug/L	0.208	1.07%
Li 670.784†	18498.6	97.21	ug/L	0.446	97.21	ug/L	0.446	0.46%

Sequence No.: 52
Sample ID: 220-15964-e-6-f ms
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 74
Date Collected: 7/14/2011 2:18:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15964-e-6-f ms

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	825016.8	1.089	mg/L	0.0028				0.26%
Y (radial)	108359.0	1.122	mg/L	0.0127				1.13%
Ag 328.068†	7002.6	56.94	ug/L	0.637	56.94	ug/L	0.637	1.12%
Al 396.153†	639060.8	79970	ug/L	2411.8	79970	ug/L	2411.8	3.02%
As 188.979†	170.3	222.3	ug/L	2.49	222.3	ug/L	2.49	1.12%
Ba 233.527†	23052.8	419.7	ug/L	1.44	419.7	ug/L	1.44	0.34%
Be 313.107†	15614.0	23.79	ug/L	0.027	23.79	ug/L	0.027	0.11%
Ca 317.933†	100354.2	13970	ug/L	25.1	13970	ug/L	25.1	0.18%
Cd 214.440†	2062.0	60.20	ug/L	0.354	60.20	ug/L	0.354	0.59%
Co 228.616†	1568.9	122.9	ug/L	1.97	122.9	ug/L	1.97	1.61%
Cr 267.716†	4928.4	242.6	ug/L	1.86	242.6	ug/L	1.86	0.77%
Fe 238.204†	273173.4	141600	ug/L	277.9	141600	ug/L	277.9	0.20%
K 766.490†	93814.8	16810	ug/L	33.1	16810	ug/L	33.1	0.20%
Mg 285.213†	246309.3	24940	ug/L	17.4	24940	ug/L	17.4	0.07%
Mn 257.610†	1195251.7	3365	ug/L	4.1	3365	ug/L	4.1	0.12%
Mo 202.031†	772.3	193.5	ug/L	0.92	193.5	ug/L	0.92	0.48%
Na 589.592†	21863.4	2970	ug/L	2.5	2970	ug/L	2.5	0.09%
Ni 231.604†	2200.1	310.4	ug/L	0.99	310.4	ug/L	0.99	0.32%
Pb 220.353†	701.7	508.6	ug/L	6.62	508.6	ug/L	6.62	1.30%
Sb 206.836†	219.5	167.0	ug/L	2.12	167.0	ug/L	2.12	1.27%
Se 196.026†	-5.2	81.76	ug/L	16.191	81.76	ug/L	16.191	19.80%
V 311.071†	41882.0	226.8	ug/L	0.35	226.8	ug/L	0.35	0.16%
Sn 189.927†	336.2	227.1	ug/L	4.05	227.1	ug/L	4.05	1.78%
Sr 421.552†	61750.5	87.13	ug/L	0.016	87.13	ug/L	0.016	0.02%
Tl 190.801†	203.3	193.1	ug/L	0.27	193.1	ug/L	0.27	0.14%
Zn 206.200†	3422.2	348.0	ug/L	1.34	348.0	ug/L	1.34	0.39%
Ti 334.940†	1091257.9	2230	ug/L	0.1	2230	ug/L	0.1	0.01%
B 249.772†	21913.9	130.3	ug/L	3.32	130.3	ug/L	3.32	2.55%
Cu 324.752†	40391.7	185.6	ug/L	0.44	185.6	ug/L	0.44	0.24%
S 181.975†	645.5	6700	ug/L	19.0	6700	ug/L	19.0	0.28%
Zr 343.823†	40114.6	181.2	ug/L	0.26	181.2	ug/L	0.26	0.15%
Li 670.784†	19536.9	102.7	ug/L	0.60	102.7	ug/L	0.60	0.59%

Sequence No.: 53
Sample ID: 220-15964-e-6-g msd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 75
Date Collected: 7/14/2011 2:21:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15964-e-6-g msd

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	830720.7	1.097	mg/L	0.0098				0.89%
Y (radial)	108975.6	1.129	mg/L	0.0170				1.51%
Ag 328.068†	7499.4	59.14	ug/L	0.116	59.14	ug/L	0.116	0.20%
Al 396.153†	554702.7	69410	ug/L	374.7	69410	ug/L	374.7	0.54%
As 188.979†	172.4	222.4	ug/L	4.99	222.4	ug/L	4.99	2.24%
Ba 233.527†	21646.4	394.4	ug/L	0.62	394.4	ug/L	0.62	0.16%
Be 313.107†	16546.0	23.85	ug/L	0.052	23.85	ug/L	0.052	0.22%
Ca 317.933†	91032.9	12670	ug/L	81.7	12670	ug/L	81.7	0.65%
Cd 214.440†	2063.8	61.02	ug/L	0.732	61.02	ug/L	0.732	1.20%
Co 228.616†	1402.5	110.3	ug/L	1.58	110.3	ug/L	1.58	1.43%
Cr 267.716†	3933.5	193.7	ug/L	1.75	193.7	ug/L	1.75	0.90%
Fe 238.204†	221298.5	114700	ug/L	724.8	114700	ug/L	724.8	0.63%
K 766.490†	87134.7	15610	ug/L	20.6	15610	ug/L	20.6	0.13%
Mg 285.213†	207290.3	20990	ug/L	25.3	20990	ug/L	25.3	0.12%
Mn 257.610†	1205534.0	3394	ug/L	2.4	3394	ug/L	2.4	0.07%
Mo 202.031†	778.4	193.9	ug/L	2.45	193.9	ug/L	2.45	1.27%
Na 589.592†	20917.2	2841	ug/L	18.8	2841	ug/L	18.8	0.66%
Ni 231.604†	1286.5	181.2	ug/L	1.66	181.2	ug/L	1.66	0.92%
Pb 220.353†	482.2	349.2	ug/L	9.31	349.2	ug/L	9.31	2.67%
Sb 206.836†	232.7	177.5	ug/L	1.33	177.5	ug/L	1.33	0.75%
Se 196.026†	5.8	88.78	ug/L	4.968	88.78	ug/L	4.968	5.60%
V 311.071†	38152.2	207.1	ug/L	1.25	207.1	ug/L	1.25	0.60%
Sn 189.927†	315.2	212.5	ug/L	4.75	212.5	ug/L	4.75	2.24%
Sr 421.552†	53215.2	75.08	ug/L	0.231	75.08	ug/L	0.231	0.31%
Tl 190.801†	203.1	187.8	ug/L	1.54	187.8	ug/L	1.54	0.82%
Zn 206.200†	3080.8	313.1	ug/L	3.07	313.1	ug/L	3.07	0.98%

Ti 334.940†	985115.3	2013	ug/L	6.7	2013	ug/L	6.7	0.33%
B 249.772†	18537.2	132.0	ug/L	9.59	132.0	ug/L	9.59	7.27%
Cu 324.752†	34481.2	157.7	ug/L	1.85	157.7	ug/L	1.85	1.17%
S 181.975†	707.4	7150	ug/L	40.2	7150	ug/L	40.2	0.56%
Zr 343.823†	42006.3	190.8	ug/L	0.61	190.8	ug/L	0.61	0.32%
Li 670.784†	17509.3	92.01	ug/L	0.881	92.01	ug/L	0.881	0.96%

Sequence No.: 54
Sample ID: 220-15964-e-6-d pds
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 76
Date Collected: 7/14/2011 2:24:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15964-e-6-d pds

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	818854.1	1.081	mg/L	0.0109				1.01%
Y (radial)	107905.8	1.118	mg/L	0.0077				0.69%
Ag 328.068†	448.8	7.685	ug/L	0.1405	7.685	ug/L	0.1405	1.83%
Al 396.153†	642033.4	80330	ug/L	561.1	80330	ug/L	561.1	0.70%
As 188.979†	167.7	216.8	ug/L	0.87	216.8	ug/L	0.87	0.40%
Ba 233.527†	23068.5	420.4	ug/L	1.02	420.4	ug/L	1.02	0.24%
Be 313.107†	97804.8	103.4	ug/L	0.02	103.4	ug/L	0.02	0.02%
Ca 317.933†	131124.8	18250	ug/L	86.8	18250	ug/L	86.8	0.48%
Cd 214.440†	3255.8	97.96	ug/L	1.897	97.96	ug/L	1.897	1.94%
Co 228.616†	1945.0	155.6	ug/L	2.82	155.6	ug/L	2.82	1.81%
Cr 267.716†	4835.1	237.7	ug/L	3.28	237.7	ug/L	3.28	1.38%
Fe 238.204†	234425.3	121500	ug/L	490.2	121500	ug/L	490.2	0.40%
K 766.490†	91999.7	16480	ug/L	5.8	16480	ug/L	5.8	0.04%
Mg 285.213†	276748.3	28000	ug/L	3.0	28000	ug/L	3.0	0.01%
Mn 257.610†	946300.4	2664	ug/L	3.2	2664	ug/L	3.2	0.12%
Mo 202.031†	1145.5	283.5	ug/L	2.58	283.5	ug/L	2.58	0.91%
Na 589.592†	55906.3	7594	ug/L	35.8	7594	ug/L	35.8	0.47%
Ni 231.604†	1624.6	229.1	ug/L	4.23	229.1	ug/L	4.23	1.85%
Pb 220.353†	369.6	266.9	ug/L	2.97	266.9	ug/L	2.97	1.11%
Sb 206.836†	376.6	287.5	ug/L	0.68	287.5	ug/L	0.68	0.24%
Se 196.026†	73.4	244.8	ug/L	11.89	244.8	ug/L	11.89	4.86%
V 311.071†	45129.7	246.9	ug/L	0.25	246.9	ug/L	0.25	0.10%
Sn 189.927†	438.4	292.7	ug/L	2.92	292.7	ug/L	2.92	1.00%
Sr 421.552†	119546.0	168.8	ug/L	0.61	168.8	ug/L	0.61	0.36%
Tl 190.801†	348.7	298.6	ug/L	12.46	298.6	ug/L	12.46	4.17%
Zn 206.200†	5746.6	583.0	ug/L	11.72	583.0	ug/L	11.72	2.01%
Ti 334.940†	1076459.4	2200	ug/L	2.9	2200	ug/L	2.9	0.13%
B 249.772†	22539.5	237.3	ug/L	1.93	237.3	ug/L	1.93	0.81%
Cu 324.752†	48235.4	215.8	ug/L	0.38	215.8	ug/L	0.38	0.18%
S 181.975†	-533.0	-4059	ug/L	149.7	-4059	ug/L	149.7	3.69%
Zr 343.823†	68529.2	314.9	ug/L	0.06	314.9	ug/L	0.06	0.02%
Li 670.784†	38350.2	201.5	ug/L	1.19	201.5	ug/L	1.19	0.59%

Sequence No.: 55
Sample ID: lcs 220-52844/2-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 77
Date Collected: 7/14/2011 2:28:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: lcs 220-52844/2-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	758124.0	1.001	mg/L	0.0116				1.16%
Y (radial)	99253.9	1.028	mg/L	0.0057				0.55%
Ag 328.068†	45364.7	322.5	ug/L	0.03	322.5	ug/L	0.03	0.01%
Al 396.153†	29076.5	3588	ug/L	8.4	3588	ug/L	8.4	0.23%
As 188.979†	888.9	1098	ug/L	26.9	1098	ug/L	26.9	2.45%
Ba 233.527†	18257.7	334.4	ug/L	0.75	334.4	ug/L	0.75	0.22%
Be 313.107†	112929.9	113.8	ug/L	0.24	113.8	ug/L	0.24	0.21%
Ca 317.933†	51308.0	7141	ug/L	4.9	7141	ug/L	4.9	0.07%
Cd 214.440†	10923.3	340.2	ug/L	6.72	340.2	ug/L	6.72	1.98%
Co 228.616†	4045.0	340.9	ug/L	5.04	340.9	ug/L	5.04	1.48%

Cr 267.716†	6940.5	337.8	ug/L	5.24	337.8	ug/L	5.24	1.55%
Fe 238.204†	7028.0	3643	ug/L	1.9	3643	ug/L	1.9	0.05%
K 766.490†	160884.6	28830	ug/L	35.3	28830	ug/L	35.3	0.12%
Mg 285.213†	71886.6	7251	ug/L	1.2	7251	ug/L	1.2	0.02%
Mn 257.610†	78879.5	221.8	ug/L	0.91	221.8	ug/L	0.91	0.41%
Mo 202.031†	4514.3	1099	ug/L	16.1	1099	ug/L	16.1	1.47%
Na 589.592†	50324.8	6836	ug/L	7.8	6836	ug/L	7.8	0.11%
Ni 231.604†	2438.3	346.0	ug/L	7.16	346.0	ug/L	7.16	2.07%
Pb 220.353†	1533.1	1129	ug/L	27.1	1129	ug/L	27.1	2.40%
Sb 206.836†	1425.4	1091	ug/L	17.9	1091	ug/L	17.9	1.64%
Se 196.026†	261.8	584.8	ug/L	0.82	584.8	ug/L	0.82	0.14%
V 311.071†	55018.9	319.6	ug/L	0.29	319.6	ug/L	0.29	0.09%
Sn 189.927†	1725.7	1112	ug/L	20.0	1112	ug/L	20.0	1.80%
Sr 421.552†	276.9	0.290	ug/L	0.0312	0.290	ug/L	0.0312	10.77%
Tl 190.801†	1537.3	1151	ug/L	11.2	1151	ug/L	11.2	0.98%
Zn 206.200†	3349.1	341.4	ug/L	4.32	341.4	ug/L	4.32	1.26%
Ti 334.940†	529658.6	1082	ug/L	1.7	1082	ug/L	1.7	0.16%
B 249.772†	30226.3	999.9	ug/L	2.29	999.9	ug/L	2.29	0.23%
Cu 324.752†	79873.8	333.2	ug/L	0.19	333.2	ug/L	0.19	0.06%
S 181.975†	1073.5	10110	ug/L	331.9	10110	ug/L	331.9	3.28%
Zr 343.823†	231925.9	1075	ug/L	0.4	1075	ug/L	0.4	0.04%
Li 670.784†	137.9	0.725	ug/L	0.7339	0.725	ug/L	0.7339	101.27%

Sequence No.: 56
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 7/14/2011 2:31:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	774993.1	1.023	mg/L	0.0055				0.54%
Y (radial)	99424.3	1.030	mg/L	0.0106				1.02%
Ag 328.068†	33847.0	243.6	ug/L	0.58	243.6	ug/L	0.58	0.24%
QC value within limits for Ag 328.068 Recovery = 97.45%								
Al 396.153†	40401.0	5033	ug/L	7.9	5033	ug/L	7.9	0.16%
QC value within limits for Al 396.153 Recovery = 100.67%								
As 188.979†	431.1	535.2	ug/L	11.42	535.2	ug/L	11.42	2.13%
QC value within limits for As 188.979 Recovery = 107.04%								
Ba 233.527†	27465.8	503.0	ug/L	0.97	503.0	ug/L	0.97	0.19%
QC value within limits for Ba 233.527 Recovery = 100.59%								
Be 313.107†	518369.5	505.1	ug/L	1.15	505.1	ug/L	1.15	0.23%
QC value within limits for Be 313.107 Recovery = 101.02%								
Ca 317.933†	133198.8	18540	ug/L	118.7	18540	ug/L	118.7	0.64%
QC value within limits for Ca 317.933 Recovery = 100.20%								
Cd 214.440†	16558.9	515.7	ug/L	0.78	515.7	ug/L	0.78	0.15%
QC value within limits for Cd 214.440 Recovery = 103.14%								
Co 228.616†	6057.7	511.5	ug/L	3.63	511.5	ug/L	3.63	0.71%
QC value within limits for Co 228.616 Recovery = 102.30%								
Cr 267.716†	10562.2	514.1	ug/L	2.83	514.1	ug/L	2.83	0.55%
QC value within limits for Cr 267.716 Recovery = 102.82%								
Fe 238.204†	10990.0	5697	ug/L	58.2	5697	ug/L	58.2	1.02%
QC value within limits for Fe 238.204 Recovery = 103.59%								
K 766.490†	221570.3	39700	ug/L	420.0	39700	ug/L	420.0	1.06%
QC value within limits for K 766.490 Recovery = 99.25%								
Mg 285.213†	189370.0	19100	ug/L	237.8	19100	ug/L	237.8	1.25%
QC value within limits for Mg 285.213 Recovery = 103.23%								
Mn 257.610†	178520.1	501.9	ug/L	0.16	501.9	ug/L	0.16	0.03%
QC value within limits for Mn 257.610 Recovery = 100.37%								
Mo 202.031†	2012.0	489.9	ug/L	1.08	489.9	ug/L	1.08	0.22%
QC value within limits for Mo 202.031 Recovery = 97.99%								
Na 589.592†	287732.5	39080	ug/L	523.2	39080	ug/L	523.2	1.34%
QC value within limits for Na 589.592 Recovery = 97.71%								
Ni 231.604†	3649.5	517.8	ug/L	4.50	517.8	ug/L	4.50	0.87%
QC value within limits for Ni 231.604 Recovery = 103.56%								
Pb 220.353†	688.4	507.0	ug/L	0.37	507.0	ug/L	0.37	0.07%
QC value within limits for Pb 220.353 Recovery = 101.41%								
Sb 206.836†	652.9	495.5	ug/L	16.17	495.5	ug/L	16.17	3.26%
QC value within limits for Sb 206.836 Recovery = 99.10%								

Se 196.026†	210.2	475.2 ug/L	9.74	475.2 ug/L	9.74	2.05%
QC value within limits for Se 196.026 Recovery = 95.05%						
V 311.071†	79822.3	480.6 ug/L	1.10	480.6 ug/L	1.10	0.23%
QC value within limits for V 311.071 Recovery = 96.11%						
Sn 189.927†	784.6	506.3 ug/L	0.74	506.3 ug/L	0.74	0.15%
QC value within limits for Sn 189.927 Recovery = 101.25%						
Sr 421.552†	347662.6	491.4 ug/L	6.04	491.4 ug/L	6.04	1.23%
QC value within limits for Sr 421.552 Recovery = 98.28%						
Tl 190.801†	701.8	525.1 ug/L	8.44	525.1 ug/L	8.44	1.61%
QC value within limits for Tl 190.801 Recovery = 105.02%						
Zn 206.200†	5025.4	512.4 ug/L	1.58	512.4 ug/L	1.58	0.31%
QC value within limits for Zn 206.200 Recovery = 102.48%						
Ti 334.940†	247731.1	506.2 ug/L	0.16	506.2 ug/L	0.16	0.03%
QC value within limits for Ti 334.940 Recovery = 101.24%						
B 249.772†	14298.3	456.0 ug/L	2.14	456.0 ug/L	2.14	0.47%
QC value within limits for B 249.772 Recovery = 91.20%						
Cu 324.752†	119089.2	496.9 ug/L	1.45	496.9 ug/L	1.45	0.29%
QC value within limits for Cu 324.752 Recovery = 99.38%						
S 181.975†	1032.8	10090 ug/L	143.1	10090 ug/L	143.1	1.42%
QC value within limits for S 181.975 Recovery = 100.92%						
Zr 343.823†	103618.4	478.9 ug/L	0.19	478.9 ug/L	0.19	0.04%
QC value within limits for Zr 343.823 Recovery = 95.79%						
Li 670.784†	93796.0	492.9 ug/L	6.01	492.9 ug/L	6.01	1.22%
QC value within limits for Li 670.784 Recovery = 98.58%						

All analyte(s) passed QC.

Sequence No.: 57
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/14/2011 2:35:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	766879.1	1.012 mg/L	0.0004			0.04%
Y (radial)	101791.2	1.054 mg/L	0.0019			0.18%
Ag 328.068†	-30.0	-0.223 ug/L	0.2245	-0.223 ug/L	0.2245	100.84%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 396.153†	9.8	1.135 ug/L	1.3772	1.135 ug/L	1.3772	121.31%
QC value within limits for Al 396.153 Recovery = Not calculated						
As 188.979†	3.4	4.235 ug/L	5.6308	4.235 ug/L	5.6308	132.96%
QC value within limits for As 188.979 Recovery = Not calculated						
Ba 233.527†	16.8	0.306 ug/L	0.0141	0.306 ug/L	0.0141	4.60%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	11.5	0.012 ug/L	0.1355	0.012 ug/L	0.1355	>999.9%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 317.933†	-26.1	-3.638 ug/L	0.5177	-3.638 ug/L	0.5177	14.23%
QC value within limits for Ca 317.933 Recovery = Not calculated						
Cd 214.440†	7.4	0.232 ug/L	0.3725	0.232 ug/L	0.3725	160.82%
QC value within limits for Cd 214.440 Recovery = Not calculated						
Co 228.616†	-1.6	-0.136 ug/L	0.3522	-0.136 ug/L	0.3522	259.58%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716†	11.7	0.570 ug/L	0.2714	0.570 ug/L	0.2714	47.59%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Fe 238.204†	12.0	6.195 ug/L	3.8455	6.195 ug/L	3.8455	62.07%
QC value within limits for Fe 238.204 Recovery = Not calculated						
K 766.490†	127.2	22.80 ug/L	16.347	22.80 ug/L	16.347	71.71%
QC value within limits for K 766.490 Recovery = Not calculated						
Mg 285.213†	-1.8	-0.180 ug/L	0.3912	-0.180 ug/L	0.3912	216.79%
QC value within limits for Mg 285.213 Recovery = Not calculated						
Mn 257.610†	-4.8	-0.014 ug/L	0.0105	-0.014 ug/L	0.0105	77.08%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	8.1	1.976 ug/L	0.8982	1.976 ug/L	0.8982	45.45%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	-1402.2	-190.5 ug/L	1.23	-190.5 ug/L	1.23	0.64%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	2.7	0.379 ug/L	0.2922	0.379 ug/L	0.2922	76.99%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-2.2	-1.588 ug/L	0.2608	-1.588 ug/L	0.2608	16.43%

QC value within limits for Pb 220.353 Recovery = Not calculated

Sb 206.836†	6.2	4.694 ug/L	1.9559	4.694 ug/L	1.9559	41.67%

QC value within limits for Sb 206.836 Recovery = Not calculated

Se 196.026†	-4.0	-8.811 ug/L	10.6369	-8.811 ug/L	10.6369	120.72%

QC value within limits for Se 196.026 Recovery = Not calculated

V 311.071†	-54.5	-0.339 ug/L	0.2838	-0.339 ug/L	0.2838	83.67%

QC value within limits for V 311.071 Recovery = Not calculated

Sn 189.927†	6.5	4.197 ug/L	1.8075	4.197 ug/L	1.8075	43.07%

QC value within limits for Sn 189.927 Recovery = Not calculated

Sr 421.552†	-2.5	-0.004 ug/L	0.0955	-0.004 ug/L	0.0955	>999.9%

QC value within limits for Sr 421.552 Recovery = Not calculated

Tl 190.801†	-0.7	-0.518 ug/L	5.5711	-0.518 ug/L	5.5711	>999.9%

QC value within limits for Tl 190.801 Recovery = Not calculated

Zn 206.200†	-4.8	-0.483 ug/L	0.8743	-0.483 ug/L	0.8743	181.04%

QC value within limits for Zn 206.200 Recovery = Not calculated

Ti 334.940†	91.3	0.187 ug/L	0.0334	0.187 ug/L	0.0334	17.88%

QC value within limits for Ti 334.940 Recovery = Not calculated

B 249.772†	113.8	3.796 ug/L	0.3914	3.796 ug/L	0.3914	10.31%

QC value within limits for B 249.772 Recovery = Not calculated

Cu 324.752†	-764.7	-3.185 ug/L	0.0753	-3.185 ug/L	0.0753	2.36%

QC value within limits for Cu 324.752 Recovery = Not calculated

S 181.975†	-2.0	-18.58 ug/L	11.994	-18.58 ug/L	11.994	64.54%

QC value within limits for S 181.975 Recovery = Not calculated

Zr 343.823†	142.5	0.628 ug/L	0.0507	0.628 ug/L	0.0507	8.08%

QC value within limits for Zr 343.823 Recovery = Not calculated

Li 670.784†	1.1	0.006 ug/L	0.3964	0.006 ug/L	0.3964	>999.9%

QC value within limits for Li 670.784 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 58
Sample ID: 220-15964-e-6-d sd@5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 78
Date Collected: 7/14/2011 2:38:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15964-e-6-d sd@5

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	781607.4	1.032	mg/L	0.0117				1.13%
Y (radial)	102205.4	1.059	mg/L	0.0078				0.74%
Ag 328.068†	-220.2	-0.267	ug/L	0.0208	-0.267	ug/L	0.0208	7.79%
Al 396.153†	130705.2	16360	ug/L	30.4	16360	ug/L	30.4	0.19%
As 188.979†	5.7	9.249	ug/L	8.3072	9.249	ug/L	8.3072	89.82%
Ba 233.527†	3969.6	72.23	ug/L	0.659	72.23	ug/L	0.659	0.91%
Be 313.107†	-859.1	0.772	ug/L	0.0059	0.772	ug/L	0.0059	0.76%
Ca 317.933†	18321.7	2550	ug/L	4.2	2550	ug/L	4.2	0.16%
Cd 214.440†	12.6	-0.358	ug/L	0.2550	-0.358	ug/L	0.2550	71.31%
Co 228.616†	165.7	12.16	ug/L	0.164	12.16	ug/L	0.164	1.35%
Cr 267.716†	625.1	30.94	ug/L	0.946	30.94	ug/L	0.946	3.06%
Fe 238.204†	50665.5	26270	ug/L	7.0	26270	ug/L	7.0	0.03%
K 766.490†	12433.0	2228	ug/L	8.1	2228	ug/L	8.1	0.36%
Mg 285.213†	45839.9	4642	ug/L	7.2	4642	ug/L	7.2	0.15%
Mn 257.610†	199523.8	561.7	ug/L	1.87	561.7	ug/L	1.87	0.33%
Mo 202.031†	3.3	1.821	ug/L	0.1760	1.821	ug/L	0.1760	9.67%
Na 589.592†	1425.2	193.6	ug/L	8.77	193.6	ug/L	8.77	4.53%
Ni 231.604†	207.0	29.06	ug/L	1.031	29.06	ug/L	1.031	3.55%
Pb 220.353†	54.4	38.75	ug/L	2.280	38.75	ug/L	2.280	5.88%
Sb 206.836†	2.7	1.897	ug/L	0.1130	1.897	ug/L	0.1130	5.96%
Se 196.026†	-12.2	-9.680	ug/L	24.7502	-9.680	ug/L	24.7502	255.68%
V 311.071†	6226.0	32.75	ug/L	0.287	32.75	ug/L	0.287	0.88%
Sn 189.927†	4.1	4.793	ug/L	1.0641	4.793	ug/L	1.0641	22.20%
Sr 421.552†	11495.4	16.22	ug/L	0.008	16.22	ug/L	0.008	0.05%
Tl 190.801†	-6.5	3.204	ug/L	4.2783	3.204	ug/L	4.2783	133.55%
Zn 206.200†	656.6	66.64	ug/L	0.936	66.64	ug/L	0.936	1.41%
Ti 334.940†	203018.6	414.8	ug/L	1.66	414.8	ug/L	1.66	0.40%
B 249.772†	3112.4	-7.807	ug/L	0.6778	-7.807	ug/L	0.6778	8.68%
Cu 324.752†	4244.5	20.89	ug/L	0.153	20.89	ug/L	0.153	0.73%
S 181.975†	-125.1	-1012	ug/L	17.2	-1012	ug/L	17.2	1.70%
Zr 343.823†	985.7	3.693	ug/L	0.1103	3.693	ug/L	0.1103	2.99%
Li 670.784†	4414.8	23.20	ug/L	0.326	23.20	ug/L	0.326	1.41%

Sequence No.: 59
Sample ID: 220-15964-f-10-b
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 79
Date Collected: 7/14/2011 2:41:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15964-f-10-b

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	801253.7	1.058	mg/L	0.0139				1.31%
Y (radial)	104307.8	1.080	mg/L	0.0045				0.42%
Ag 328.068†	-1040.2	3.008	ug/L	0.3739	3.008	ug/L	0.3739	12.43%
Al 396.153†	194471.3	24340	ug/L	27.1	24340	ug/L	27.1	0.11%
As 188.979†	43.7	73.59	ug/L	8.283	73.59	ug/L	8.283	11.26%
Ba 233.527†	54675.9	996.7	ug/L	1.22	996.7	ug/L	1.22	0.12%
Be 313.107†	-5796.9	1.132	ug/L	0.0254	1.132	ug/L	0.0254	2.24%
Ca 317.933†	129422.8	18010	ug/L	39.2	18010	ug/L	39.2	0.22%
Cd 214.440†	423.3	7.273	ug/L	0.2087	7.273	ug/L	0.2087	2.87%
Co 228.616†	401.9	23.08	ug/L	0.135	23.08	ug/L	0.135	0.59%
Cr 267.716†	2015.3	102.0	ug/L	1.01	102.0	ug/L	1.01	0.99%
Fe 238.204†	399814.5	207300	ug/L	598.2	207300	ug/L	598.2	0.29%
K 766.490†	25628.5	4592	ug/L	0.6	4592	ug/L	0.6	0.01%
Mg 285.213†	67171.9	6930	ug/L	2.7	6930	ug/L	2.7	0.04%
Mn 257.610†	511078.3	1439	ug/L	3.8	1439	ug/L	3.8	0.26%
Mo 202.031†	8.6	10.18	ug/L	1.090	10.18	ug/L	1.090	10.71%
Na 589.592†	32886.5	4467	ug/L	5.8	4467	ug/L	5.8	0.13%
Ni 231.604†	781.3	108.4	ug/L	1.96	108.4	ug/L	1.96	1.81%
Pb 220.353†	5641.7	4126	ug/L	55.0	4126	ug/L	55.0	1.33%
Sb 206.836†	63.0	50.05	ug/L	5.747	50.05	ug/L	5.747	11.48%
Se 196.026†	-65.3	-8.976	ug/L	11.6122	-8.976	ug/L	11.6122	129.37%
V 311.071†	41898.3	232.1	ug/L	1.08	232.1	ug/L	1.08	0.47%
Sn 189.927†	399.9	265.7	ug/L	4.27	265.7	ug/L	4.27	1.61%
Sr 421.552†	103977.8	146.8	ug/L	0.12	146.8	ug/L	0.12	0.08%
Tl 190.801†	-51.9	3.656	ug/L	2.7186	3.656	ug/L	2.7186	74.36%
Zn 206.200†	44668.1	4517	ug/L	30.9	4517	ug/L	30.9	0.69%
Ti 334.940†	854361.0	1746	ug/L	1.8	1746	ug/L	1.8	0.10%
B 249.772†	23867.6	-84.91	ug/L	0.563	-84.91	ug/L	0.563	0.66%
Cu 324.752†	196893.9	845.7	ug/L	2.27	845.7	ug/L	2.27	0.27%
S 181.975†	1060.3	9970	ug/L	317.9	9970	ug/L	317.9	3.19%
Zr 343.823†	1779.3	-0.038	ug/L	0.2190	-0.038	ug/L	0.2190	582.47%
Li 670.784†	7223.8	37.96	ug/L	0.201	37.96	ug/L	0.201	0.53%

Sequence No.: 60
Sample ID: 220-15964-d-11-b
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 80
Date Collected: 7/14/2011 2:44:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15964-d-11-b

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	777495.4	1.026	mg/L	0.0006				0.05%
Y (radial)	101672.4	1.053	mg/L	0.0014				0.13%
Ag 328.068†	-1122.0	0.512	ug/L	0.0399	0.512	ug/L	0.0399	7.81%
Al 396.153†	207412.6	25960	ug/L	26.5	25960	ug/L	26.5	0.10%
As 188.979†	22.6	43.88	ug/L	2.304	43.88	ug/L	2.304	5.25%
Ba 233.527†	34037.1	619.9	ug/L	2.26	619.9	ug/L	2.26	0.36%
Be 313.107†	-5422.1	0.973	ug/L	0.0321	0.973	ug/L	0.0321	3.30%
Ca 317.933†	970698.1	135100	ug/L	1124.6	135100	ug/L	1124.6	0.83%
Cd 214.440†	325.0	5.230	ug/L	0.0553	5.230	ug/L	0.0553	1.06%
Co 228.616†	501.1	32.79	ug/L	0.423	32.79	ug/L	0.423	1.29%
Cr 267.716†	1514.9	77.07	ug/L	0.114	77.07	ug/L	0.114	0.15%
Fe 238.204†	330830.4	171500	ug/L	378.7	171500	ug/L	378.7	0.22%
K 766.490†	27983.8	5014	ug/L	2.2	5014	ug/L	2.2	0.04%
Mg 285.213†	149906.5	15240	ug/L	9.8	15240	ug/L	9.8	0.06%
Mn 257.610†	670575.3	1888	ug/L	1.9	1888	ug/L	1.9	0.10%
Mo 202.031†	-12.5	3.657	ug/L	3.0127	3.657	ug/L	3.0127	82.37%

Na 589.592†	43932.2	5968	ug/L	1.3	5968	ug/L	1.3	0.02%
Ni 231.604†	879.5	122.8	ug/L	1.49	122.8	ug/L	1.49	1.22%
Pb 220.353†	2771.2	2021	ug/L	6.2	2021	ug/L	6.2	0.31%
Sb 206.836†	3.7	17.49	ug/L	10.729	17.49	ug/L	10.729	61.34%
Se 196.026†	-95.0	-62.37	ug/L	24.978	-62.37	ug/L	24.978	40.05%
V 311.071†	33098.8	181.7	ug/L	0.45	181.7	ug/L	0.45	0.25%
Sn 189.927†	249.4	173.3	ug/L	5.13	173.3	ug/L	5.13	2.96%
Sr 421.552†	319270.1	449.6	ug/L	6.16	449.6	ug/L	6.16	1.37%
Tl 190.801†	-65.2	-6.698	ug/L	1.8000	-6.698	ug/L	1.8000	26.87%
Zn 206.200†	28399.5	2872	ug/L	8.3	2872	ug/L	8.3	0.29%
Ti 334.940†	788304.3	1611	ug/L	0.4	1611	ug/L	0.4	0.02%
B 249.772†	19613.6	-74.82	ug/L	0.323	-74.82	ug/L	0.323	0.43%
Cu 324.752†	121570.3	527.4	ug/L	1.63	527.4	ug/L	1.63	0.31%
S 181.975†	1237.0	11850	ug/L	11.8	11850	ug/L	11.8	0.10%
Zr 343.823†	3310.9	9.262	ug/L	0.0815	9.262	ug/L	0.0815	0.88%
Li 670.784†	6519.7	34.26	ug/L	0.781	34.26	ug/L	0.781	2.28%

Sequence No.: 61 SIC
Sample ID: STD 3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 81
Date Collected: 7/14/2011 2:47:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD 3

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	759618.4	1.003	mg/L	0.0031				0.31%
Y (radial)	98451.5	1.020	mg/L	0.0107				1.05%
Ag 328.068†	2.3	0.017	ug/L	0.0831	0.017	ug/L	0.0831	478.76%
Al 396.153†	111.0	13.86	ug/L	1.908	13.86	ug/L	1.908	13.77%
As 188.979†	0.6	0.731	ug/L	1.8885	0.731	ug/L	1.8885	258.44%
Ba 233.527†	755658.3	13810	ug/L	18.7	13810	ug/L	18.7	0.14%
Be 313.107†	-20.3	-0.017	ug/L	0.0016	-0.017	ug/L	0.0016	9.07%
Ca 317.933†	-20.6	-2.865	ug/L	0.7868	-2.865	ug/L	0.7868	27.46%
Cd 214.440†	-10.8	-0.338	ug/L	0.4223	-0.338	ug/L	0.4223	125.10%
Co 228.616†	-151.2	0.468	ug/L	0.0697	0.468	ug/L	0.0697	14.88%
Cr 267.716†	-2.6	-0.124	ug/L	0.2919	-0.124	ug/L	0.2919	235.52%
Fe 238.204†	106.5	55.19	ug/L	5.247	55.19	ug/L	5.247	9.51%
K 766.490†	50.3	9.009	ug/L	6.3406	9.009	ug/L	6.3406	70.38%
Mg 285.213†	-2.1	-0.171	ug/L	0.2197	-0.171	ug/L	0.2197	128.31%
Mn 257.610†	17.2	0.048	ug/L	0.0101	0.048	ug/L	0.0101	20.93%
Mo 202.031†	3.1	0.762	ug/L	0.3705	0.762	ug/L	0.3705	48.59%
Na 589.592†	-1335.6	-181.4	ug/L	2.52	-181.4	ug/L	2.52	1.39%
Ni 231.604†	1.3	0.175	ug/L	0.1718	0.175	ug/L	0.1718	98.13%
Pb 220.353†	0.1	0.080	ug/L	3.1714	0.080	ug/L	3.1714	>999.9%
Sb 206.836†	3.2	2.492	ug/L	5.9648	2.492	ug/L	5.9648	239.33%
Se 196.026†	10.3	22.82	ug/L	13.228	22.82	ug/L	13.228	57.96%
V 311.071†	25.6	0.147	ug/L	0.2245	0.147	ug/L	0.2245	152.33%
Sn 189.927†	19.7	12.65	ug/L	3.898	12.65	ug/L	3.898	30.82%
Sr 421.552†	6.6	0.009	ug/L	0.0603	0.009	ug/L	0.0603	645.37%
Tl 190.801†	-12.2	-8.966	ug/L	0.3629	-8.966	ug/L	0.3629	4.05%
Zn 206.200†	25.2	2.551	ug/L	0.1421	2.551	ug/L	0.1421	5.57%
Ti 334.940†	291.5	0.596	ug/L	0.0207	0.596	ug/L	0.0207	3.48%
B 249.772†	5.8	-0.040	ug/L	0.3948	-0.040	ug/L	0.3948	990.11%
Cu 324.752†	-454.8	-1.888	ug/L	0.0715	-1.888	ug/L	0.0715	3.79%
S 181.975†	18.4	169.7	ug/L	14.69	169.7	ug/L	14.69	8.66%
Zr 343.823†	68.2	-35.29	ug/L	0.105	-35.29	ug/L	0.105	0.30%
Li 670.784†	160.2	0.842	ug/L	0.1804	0.842	ug/L	0.1804	21.43%

Sequence No.: 62 SIC
Sample ID: STD 4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 82
Date Collected: 7/14/2011 2:51:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD 4

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

Y 371.029	708963.8	0.936 mg/L	0.0064			0.68%
Y (radial)	94584.8	0.980 mg/L	0.0127			1.29%
Ag 328.068†	-525.4	-3.813 ug/L	0.0201	-3.813 ug/L	0.0201	0.53%
Al 396.153†	524.6	65.86 ug/L	0.986	65.86 ug/L	0.986	1.50%
As 188.979†	-6.1	-7.516 ug/L	16.8493	-7.516 ug/L	16.8493	224.18%
Ba 233.527†	80.0	1.454 ug/L	0.0869	1.454 ug/L	0.0869	5.98%
Be 313.107†	-251.9	-0.282 ug/L	0.0476	-0.282 ug/L	0.0476	16.90%
Ca 317.933†	3590447.3	499700 ug/L	2142.4	499700 ug/L	2142.4	0.43%
Cd 214.440†	40.0	1.247 ug/L	0.2633	1.247 ug/L	0.2633	21.11%
Co 228.616†	5.4	0.468 ug/L	0.2191	0.468 ug/L	0.2191	46.85%
Cr 267.716†	134.9	6.555 ug/L	0.4841	6.555 ug/L	0.4841	7.38%
Fe 238.204†	37.4	19.41 ug/L	0.957	19.41 ug/L	0.957	4.93%
K 766.490†	117.1	20.98 ug/L	3.821	20.98 ug/L	3.821	18.21%
Mg 285.213†	17.1	1.738 ug/L	0.8774	1.738 ug/L	0.8774	50.49%
Mn 257.610†	69.3	0.195 ug/L	0.0434	0.195 ug/L	0.0434	22.24%
Mo 202.031†	-17.8	-4.341 ug/L	3.8273	-4.341 ug/L	3.8273	88.17%
Na 589.592†	-1160.6	-157.7 ug/L	2.29	-157.7 ug/L	2.29	1.45%
Ni 231.604†	-18.3	-2.587 ug/L	0.0235	-2.587 ug/L	0.0235	0.91%
Pb 220.353†	-17.8	-13.07 ug/L	5.409	-13.07 ug/L	5.409	41.38%
Sb 206.836†	-66.1	3.593 ug/L	5.5356	3.593 ug/L	5.5356	154.07%
Se 196.026†	-51.0	36.15 ug/L	9.203	36.15 ug/L	9.203	25.46%
V 311.071†	-668.0	1.435 ug/L	0.0113	1.435 ug/L	0.0113	0.79%
Sn 189.927†	-30.8	0.444 ug/L	0.5180	0.444 ug/L	0.5180	116.64%
Sr 421.552†	35477.2	43.03 ug/L	0.058	43.03 ug/L	0.058	0.13%
Tl 190.801†	-33.6	-6.177 ug/L	4.2917	-6.177 ug/L	4.2917	69.47%
Zn 206.200†	-12.0	-1.163 ug/L	0.4538	-1.163 ug/L	0.4538	39.01%
Ti 334.940†	-4719.0	-9.643 ug/L	0.0323	-9.643 ug/L	0.0323	0.33%
B 249.772†	57.8	1.860 ug/L	1.0427	1.860 ug/L	1.0427	56.07%
Cu 324.752†	1.7	0.009 ug/L	0.0717	0.009 ug/L	0.0717	764.12%
S 181.975†	13.1	121.1 ug/L	53.60	121.1 ug/L	53.60	44.25%
Zr 343.823†	-102.5	-0.414 ug/L	0.1592	-0.414 ug/L	0.1592	38.40%
Li 670.784†	526.2	2.765 ug/L	0.6233	2.765 ug/L	0.6233	22.54%

Sequence No.: 63
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 7/14/2011 2:54:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	777391.3	1.026	mg/L	0.0134				1.31%
Y (radial)	98283.1	1.018	mg/L	0.0103				1.01%
Ag 328.068†	33921.7	244.2	ug/L	1.15	244.2	ug/L	1.15	0.47%
QC value within limits for Ag 328.068 Recovery = 97.66%								
Al 396.153†	40593.4	5058	ug/L	8.0	5058	ug/L	8.0	0.16%
QC value within limits for Al 396.153 Recovery = 101.15%								
As 188.979†	423.2	525.4	ug/L	2.54	525.4	ug/L	2.54	0.48%
QC value within limits for As 188.979 Recovery = 105.08%								
Ba 233.527†	27568.4	504.8	ug/L	2.22	504.8	ug/L	2.22	0.44%
QC value within limits for Ba 233.527 Recovery = 100.97%								
Be 313.107†	518913.1	505.6	ug/L	0.35	505.6	ug/L	0.35	0.07%
QC value within limits for Be 313.107 Recovery = 101.12%								
Ca 317.933†	133515.5	18580	ug/L	62.2	18580	ug/L	62.2	0.33%
QC value within limits for Ca 317.933 Recovery = 100.44%								
Cd 214.440†	16634.4	518.1	ug/L	0.32	518.1	ug/L	0.32	0.06%
QC value within limits for Cd 214.440 Recovery = 103.61%								
Co 228.616†	6004.1	506.9	ug/L	9.29	506.9	ug/L	9.29	1.83%
QC value within limits for Co 228.616 Recovery = 101.39%								
Cr 267.716†	10443.7	508.3	ug/L	9.39	508.3	ug/L	9.39	1.85%
QC value within limits for Cr 267.716 Recovery = 101.67%								
Fe 238.204†	11013.7	5710	ug/L	12.2	5710	ug/L	12.2	0.21%
QC value within limits for Fe 238.204 Recovery = 103.81%								
K 766.490†	222495.6	39860	ug/L	1122.9	39860	ug/L	1122.9	2.82%
QC value within limits for K 766.490 Recovery = 99.66%								
Mg 285.213†	191966.0	19360	ug/L	525.7	19360	ug/L	525.7	2.72%
QC value within limits for Mg 285.213 Recovery = 104.65%								
Mn 257.610†	178911.3	503.0	ug/L	1.05	503.0	ug/L	1.05	0.21%
QC value within limits for Mn 257.610 Recovery = 100.59%								

Mo 202.031†	1980.8	482.3 ug/L	6.80	482.3 ug/L	6.80	1.41%
QC value within limits for Mo 202.031 Recovery = 96.47%						
Na 589.592†	290602.9	39470 ug/L	1093.5	39470 ug/L	1093.5	2.77%
QC value within limits for Na 589.592 Recovery = 98.68%						
Ni 231.604†	3603.8	511.3 ug/L	10.23	511.3 ug/L	10.23	2.00%
QC value within limits for Ni 231.604 Recovery = 102.26%						
Pb 220.353†	676.9	498.6 ug/L	3.59	498.6 ug/L	3.59	0.72%
QC value within limits for Pb 220.353 Recovery = 99.72%						
Sb 206.836†	649.9	493.1 ug/L	8.29	493.1 ug/L	8.29	1.68%
QC value within limits for Sb 206.836 Recovery = 98.62%						
Se 196.026†	216.8	489.9 ug/L	11.80	489.9 ug/L	11.80	2.41%
QC value within limits for Se 196.026 Recovery = 97.97%						
V 311.071†	80022.6	481.8 ug/L	0.01	481.8 ug/L	0.01	0.00%
QC value within limits for V 311.071 Recovery = 96.35%						
Sn 189.927†	765.5	494.1 ug/L	8.31	494.1 ug/L	8.31	1.68%
QC value within limits for Sn 189.927 Recovery = 98.81%						
Sr 421.552†	351359.2	496.6 ug/L	13.93	496.6 ug/L	13.93	2.80%
QC value within limits for Sr 421.552 Recovery = 99.33%						
Tl 190.801†	692.1	517.9 ug/L	5.86	517.9 ug/L	5.86	1.13%
QC value within limits for Tl 190.801 Recovery = 103.59%						
Zn 206.200†	4966.8	506.4 ug/L	9.54	506.4 ug/L	9.54	1.88%
QC value within limits for Zn 206.200 Recovery = 101.28%						
Ti 334.940†	248071.9	506.9 ug/L	0.15	506.9 ug/L	0.15	0.03%
QC value within limits for Ti 334.940 Recovery = 101.38%						
B 249.772†	13955.0	444.4 ug/L	8.44	444.4 ug/L	8.44	1.90%
QC value less than the lower limit for B 249.772 Recovery = 88.88%						
Cu 324.752†	119538.7	498.8 ug/L	1.24	498.8 ug/L	1.24	0.25%
QC value within limits for Cu 324.752 Recovery = 99.75%						
S 181.975†	1015.0	9936 ug/L	203.2	9936 ug/L	203.2	2.05%
QC value within limits for S 181.975 Recovery = 99.36%						
Zr 343.823†	103828.1	480.0 ug/L	0.80	480.0 ug/L	0.80	0.17%
QC value within limits for Zr 343.823 Recovery = 96.00%						
Li 670.784†	94337.2	495.7 ug/L	14.04	495.7 ug/L	14.04	2.83%
QC value within limits for Li 670.784 Recovery = 99.15%						

QC Failed. Continue with analysis.

==========

Sequence No.: 64
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/14/2011 2:58:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	776495.6	1.025	mg/L	0.0003				0.03%
Y (radial)	100514.6	1.041	mg/L	0.0023				0.22%
Ag 328.068†	3.7	0.021	ug/L	0.0499	0.021	ug/L	0.0499	239.28%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-21.6	-2.737	ug/L	3.1856	-2.737	ug/L	3.1856	116.40%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	0.3	0.314	ug/L	0.2507	0.314	ug/L	0.2507	79.74%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	17.0	0.308	ug/L	0.0075	0.308	ug/L	0.0075	2.45%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	60.3	0.059	ug/L	0.0253	0.059	ug/L	0.0253	42.97%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	-5.1	-0.714	ug/L	0.4536	-0.714	ug/L	0.4536	63.56%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	-12.8	-0.398	ug/L	0.4076	-0.398	ug/L	0.4076	102.43%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	2.7	0.226	ug/L	0.4274	0.226	ug/L	0.4274	189.40%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-3.7	-0.178	ug/L	0.2016	-0.178	ug/L	0.2016	113.05%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Fe 238.204†	11.4	5.914	ug/L	1.6928	5.914	ug/L	1.6928	28.62%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	75.5	13.52	ug/L	10.845	13.52	ug/L	10.845	80.21%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	0.8	0.089	ug/L	0.6970	0.089	ug/L	0.6970	787.11%

QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	-18.9	-0.053 ug/L	0.0206	-0.053 ug/L	0.0206	38.80%		
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.6	0.622 ug/L	0.1284	0.622 ug/L	0.1284	20.64%		
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-1520.4	-206.5 ug/L	0.62	-206.5 ug/L	0.62	0.30%		
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-1.2	-0.170 ug/L	0.4402	-0.170 ug/L	0.4402	258.68%		
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.0	0.765 ug/L	0.2766	0.765 ug/L	0.2766	36.16%		
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	9.6	7.294 ug/L	2.5071	7.294 ug/L	2.5071	34.37%		
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	1.1	2.540 ug/L	2.3887	2.540 ug/L	2.3887	94.03%		
QC value within limits for Se 196.026 Recovery = Not calculated								
V 311.071†	-165.6	-1.018 ug/L	0.4676	-1.018 ug/L	0.4676	45.92%		
QC value within limits for V 311.071 Recovery = Not calculated								
Sn 189.927†	5.7	3.668 ug/L	5.3119	3.668 ug/L	5.3119	144.81%		
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	38.3	0.054 ug/L	0.0305	0.054 ug/L	0.0305	56.29%		
QC value within limits for Sr 421.552 Recovery = Not calculated								
Tl 190.801†	2.3	1.672 ug/L	3.3560	1.672 ug/L	3.3560	200.67%		
QC value within limits for Tl 190.801 Recovery = Not calculated								
Zn 206.200†	-1.1	-0.115 ug/L	0.0911	-0.115 ug/L	0.0911	79.58%		
QC value within limits for Zn 206.200 Recovery = Not calculated								
Ti 334.940†	57.4	0.117 ug/L	0.0406	0.117 ug/L	0.0406	34.63%		
QC value within limits for Ti 334.940 Recovery = Not calculated								
B 249.772†	14.2	0.451 ug/L	0.2245	0.451 ug/L	0.2245	49.78%		
QC value within limits for B 249.772 Recovery = Not calculated								
Cu 324.752†	-814.9	-3.395 ug/L	0.0472	-3.395 ug/L	0.0472	1.39%		
QC value within limits for Cu 324.752 Recovery = Not calculated								
S 181.975†	-2.2	-20.24 ug/L	18.317	-20.24 ug/L	18.317	90.51%		
QC value within limits for S 181.975 Recovery = Not calculated								
Zr 343.823†	116.7	0.543 ug/L	0.0829	0.543 ug/L	0.0829	15.28%		
QC value within limits for Zr 343.823 Recovery = Not calculated								
Li 670.784†	116.6	0.613 ug/L	0.5613	0.613 ug/L	0.5613	91.61%		
QC value within limits for Li 670.784 Recovery = Not calculated								

All analyte(s) passed QC.

TestAmerica

128 Long Hill Cross Roads
Shelton, Connecticut, 06484

METALS QUALITY CONTROL APPROVAL REPORT

Batch Number 53096

	1st Level Review	Comments
Chain of Custody forms have been completed.	✓	
Initial Calibration meets the following criteria*: ( )CLP ( )EPA200.7 ( )NYSDEC (✓)SW846 ( )Other	✓	
Continuing calibration meets the following criteria*: ( )CLP ( )EPA200.7 ( )NYSDEC (✓)SW846 ( )Other	✓	
Correct analytical sequence followed (CRI, ICSA,etc.) and criteria* met.	✓	
All blank criteria* met. ( )CLP ( )EPA200.7 ( )NYSDEC (✓)SW846 ( )Other	✓	
IDLs, Linear Range and IECs current.	✓	
LSC, MS,MD, MSD (if required) meet acceptance limits*: ( )CLP ( )EPA200.7 ( )NYSDEC (✓)SW846 ( )Other	✓	
Serial dilution analyzed once per SDG or 20 samples.	✓	
Post digestion spike performed as required.	✓	
Flagging correct.	✓	
All raw data submitted as per deliverable requiements.	✓	
Prep batch completed with proper information.	✓	
All deviations, prep and anlaysis methods noted in NCMs.	✓	

* Reference SOPs for appropriate acceptance criteria.

This data meets the requirements of the Metals SOP's, unless otherwise documented in a NCM.

Authorizing Signature (2nd level Review) Date 7/20/11

TestAmerica Form #MEF01105.CT

Analysis Begun

Start Time: 7/20/2011 10:56:56 AM
Logged In Analyst: ctmetals
Spectrometer Model: Optima 4300 DV, S/N 077N3101802
Plasma On Time: 7/20/2011 8:38:07 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\4300cycloneAT\Sample Information\072011.sif
Batch ID:
Results Data Set: 072011d
Results Library: C:\PE\4300cycloneAT\2007 Results\Results.mdb

Method Loaded
Method Name: TA4
IEC File: ta23.iec
Method Description: TA4
Method Last Saved: 6/3/2011 3:55:02 PM
MSF File:

Sequence No.: 1
Sample ID: STD1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 7/20/2011 10:56:57 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	753507.6	15671.90	2.08%	1.000	mg/L
Y (radial)	96832.4	1943.50	2.01%	1.000	mg/L
Ag 328.068†	-356.5	10.69	3.00%	[0.00]	ug/L
Al 396.153†	191.9	24.78	12.91%	[0.00]	ug/L
As 188.979†	-5.1	5.22	103.14%	[0.00]	ug/L
Ba 233.527†	-71.4	0.48	0.67%	[0.00]	ug/L
Be 313.107†	-2074.9	21.45	1.03%	[0.00]	ug/L
Ca 317.933†	712.2	18.19	2.55%	[0.00]	ug/L
Cd 214.440†	134.3	5.98	4.45%	[0.00]	ug/L
Co 228.616†	-10.4	4.72	45.14%	[0.00]	ug/L
Cr 267.716†	36.3	10.43	28.72%	[0.00]	ug/L
Fe 238.204†	37.8	3.13	8.28%	[0.00]	ug/L
K 766.490†	314.6	183.88	58.44%	[0.00]	ug/L
Mg 285.213†	3.2	5.16	162.36%	[0.00]	ug/L
Mn 257.610†	18.6	12.64	67.91%	[0.00]	ug/L
Mo 202.031†	2.4	0.71	29.29%	[0.00]	ug/L
Na 589.592†	1786.3	51.37	2.88%	[0.00]	ug/L
Ni 231.604†	-2.5	3.29	133.27%	[0.00]	ug/L
Pb 220.353†	20.4	3.49	17.07%	[0.00]	ug/L
Sb 206.836†	20.2	6.37	31.61%	[0.00]	ug/L
Se 196.026†	13.9	3.16	22.79%	[0.00]	ug/L
V 311.071†	3054.7	26.10	0.85%	[0.00]	ug/L
Sn 189.927†	-8.6	0.09	1.01%	[0.00]	ug/L
Sr 421.552†	124.0	64.15	51.75%	[0.00]	ug/L
Tl 190.801†	-41.1	6.62	16.09%	[0.00]	ug/L
Zn 206.200†	3.6	6.25	173.69%	[0.00]	ug/L
Ti 334.940†	-71.8	33.42	46.55%	[0.00]	ug/L
B 249.772†	230.6	8.18	3.55%	[0.00]	ug/L
Cu 324.752†	3885.4	67.24	1.73%	[0.00]	ug/L
S 181.975†	5.8	4.75	82.68%	[0.00]	ug/L
Zr 343.823†	336.7	9.87	2.93%	[0.00]	ug/L
Li 670.784†	-104.8	66.02	63.03%	[0.00]	ug/L

Sequence No.: 2
Sample ID: STD2
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 2
Date Collected: 7/20/2011 11:00:05 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: STD2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	742526.3	4208.57	0.57%	0.985	mg/L
Y (radial)	96302.3	1298.58	1.35%	0.995	mg/L
Ag 328.068†	68825.5	296.40	0.43%	[500]	ug/L
Al 396.153†	89551.2	184.31	0.21%	[11000]	ug/L
As 188.979†	1575.5	15.58	0.99%	[2000]	ug/L
Ba 233.527†	54069.2	104.91	0.19%	[1000]	ug/L
Be 313.107†	1028416.7	3630.35	0.35%	[1000]	ug/L
Ca 317.933†	357625.8	2144.59	0.60%	[50000]	ug/L
Cd 214.440†	31625.7	130.23	0.41%	[1000]	ug/L
Co 228.616†	11600.6	14.13	0.12%	[1000]	ug/L
Cr 267.716†	20487.4	16.23	0.08%	[1000]	ug/L
Fe 238.204†	39897.7	150.66	0.38%	[21000]	ug/L
K 766.490†	281378.3	924.02	0.33%	[50000]	ug/L
Mg 285.213†	499653.2	510.91	0.10%	[50000]	ug/L
Mn 257.610†	352686.5	471.75	0.13%	[1000]	ug/L
Mo 202.031†	3995.3	24.80	0.62%	[1000]	ug/L
Na 589.592†	368134.0	8392.81	2.28%	[50000]	ug/L
Ni 231.604†	6874.8	32.70	0.48%	[1000]	ug/L
Pb 220.353†	1314.6	23.30	1.77%	[1000]	ug/L
Sb 206.836†	1275.5	14.37	1.13%	[1000]	ug/L
Se 196.026†	442.7	2.75	0.62%	[1000]	ug/L
V 311.071†	162710.5	2.54	0.00%	[1000]	ug/L
Sn 189.927†	1509.8	1.67	0.11%	[1000]	ug/L
Sr 421.552†	710315.7	16901.18	2.38%	[1000]	ug/L
Tl 190.801†	1312.1	8.24	0.63%	[1000]	ug/L
Zn 206.200†	9558.3	19.45	0.20%	[1000]	ug/L
Ti 334.940†	488769.0	226.22	0.05%	[1000]	ug/L
B 249.772†	29665.8	18.35	0.06%	[1000]	ug/L
Cu 324.752†	239997.7	2012.11	0.84%	[1000]	ug/L
S 181.975†	2105.6	14.46	0.69%	[20000]	ug/L
Zr 343.823†	213585.1	22.03	0.01%	[1000]	ug/L
Li 670.784†	196619.6	1522.32	0.77%	[1000]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin, Calc Int	0.0	137.7	0.00000	1.000000	
Al 396.153	1	Lin, Calc Int	-0.0	8.141	0.00000	1.000000	
As 188.979	1	Lin, Calc Int	0.0	0.7878	0.00000	1.000000	
Ba 233.527	1	Lin, Calc Int	0.0	54.07	0.00000	1.000000	
Be 313.107	1	Lin, Calc Int	-0.0	1028	0.00000	1.000000	
Ca 317.933	1	Lin, Calc Int	-0.0	7.153	0.00000	1.000000	
Cd 214.440	1	Lin, Calc Int	-0.0	31.63	0.00000	1.000000	
Co 228.616	1	Lin, Calc Int	0.0	11.60	0.00000	1.000000	
Cr 267.716	1	Lin, Calc Int	0.0	20.49	0.00000	1.000000	
Fe 238.204	1	Lin, Calc Int	0.0	1.900	0.00000	1.000000	
K 766.490	1	Lin, Calc Int	0.0	5.628	0.00000	1.000000	
Mg 285.213	1	Lin, Calc Int	0.0	9.993	0.00000	1.000000	
Mn 257.610	1	Lin, Calc Int	0.0	352.7	0.00000	1.000000	
Mo 202.031	1	Lin, Calc Int	0.0	3.995	0.00000	1.000000	
Na 589.592	1	Lin, Calc Int	-0.0	7.363	0.00000	1.000000	
Ni 231.604	1	Lin, Calc Int	0.0	6.875	0.00000	1.000000	
Pb 220.353	1	Lin, Calc Int	0.0	1.315	0.00000	1.000000	
Sb 206.836	1	Lin, Calc Int	0.0	1.275	0.00000	1.000000	
Se 196.026	1	Lin, Calc Int	0.0	0.4427	0.00000	1.000000	
V 311.071	1	Lin, Calc Int	0.0	162.7	0.00000	1.000000	
Sn 189.927	1	Lin, Calc Int	0.0	1.510	0.00000	1.000000	
Sr 421.552	1	Lin, Calc Int	0.0	710.3	0.00000	1.000000	
Tl 190.801	1	Lin, Calc Int	0.0	1.312	0.00000	1.000000	
Zn 206.200	1	Lin, Calc Int	0.0	9.558	0.00000	1.000000	
Ti 334.940	1	Lin, Calc Int	-0.0	488.8	0.00000	1.000000	
B 249.772	1	Lin, Calc Int	0.0	29.67	0.00000	1.000000	
Cu 324.752	1	Lin, Calc Int	0.0	240.0	0.00000	1.000000	
S 181.975	1	Lin, Calc Int	0.0	0.1053	0.00000	1.000000	
Zr 343.823	1	Lin, Calc Int	-0.0	213.6	0.00000	1.000000	
Li 670.784	1	Lin, Calc Int	0.0	196.6	0.00000	1.000000	

Sequence No.: 3 **Autosampler Location: 3**

Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 7/20/2011 11:03:40 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	743358.0	0.987	mg/L	0.0166				1.69%
Y (radial)	96965.4	1.001	mg/L	0.0003				0.03%
Ag 328.068†	34650.9	250.1	ug/L	0.34	250.1	ug/L	0.34	0.13%
QC value within limits for Ag 328.068 Recovery = 100.06%								
Al 396.153†	41132.1	5029	ug/L	20.4	5029	ug/L	20.4	0.41%
QC value within limits for Al 396.153 Recovery = 100.58%								
As 188.979†	423.1	539.0	ug/L	7.53	539.0	ug/L	7.53	1.40%
QC value within limits for As 188.979 Recovery = 107.80%								
Ba 233.527†	27544.3	510.4	ug/L	2.08	510.4	ug/L	2.08	0.41%
QC value within limits for Ba 233.527 Recovery = 102.08%								
Be 313.107†	521162.1	508.8	ug/L	2.41	508.8	ug/L	2.41	0.47%
QC value within limits for Be 313.107 Recovery = 101.75%								
Ca 317.933†	133369.9	18650	ug/L	146.4	18650	ug/L	146.4	0.79%
QC value within limits for Ca 317.933 Recovery = 100.79%								
Cd 214.440†	16522.4	522.3	ug/L	8.53	522.3	ug/L	8.53	1.63%
QC value within limits for Cd 214.440 Recovery = 104.46%								
Co 228.616†	6130.0	528.2	ug/L	10.26	528.2	ug/L	10.26	1.94%
QC value within limits for Co 228.616 Recovery = 105.64%								
Cr 267.716†	10725.2	524.2	ug/L	9.29	524.2	ug/L	9.29	1.77%
QC value within limits for Cr 267.716 Recovery = 104.85%								
Fe 238.204†	10695.0	5629	ug/L	13.8	5629	ug/L	13.8	0.24%
QC value within limits for Fe 238.204 Recovery = 102.35%								
K 766.490†	226635.2	40270	ug/L	275.1	40270	ug/L	275.1	0.68%
QC value within limits for K 766.490 Recovery = 100.68%								
Mg 285.213†	192152.7	19230	ug/L	54.9	19230	ug/L	54.9	0.29%
QC value within limits for Mg 285.213 Recovery = 103.96%								
Mn 257.610†	181759.4	514.5	ug/L	1.94	514.5	ug/L	1.94	0.38%
QC value within limits for Mn 257.610 Recovery = 102.90%								
Mo 202.031†	2027.5	507.7	ug/L	7.33	507.7	ug/L	7.33	1.44%
QC value within limits for Mo 202.031 Recovery = 101.54%								
Na 589.592†	289974.8	39380	ug/L	68.0	39380	ug/L	68.0	0.17%
QC value within limits for Na 589.592 Recovery = 98.46%								
Ni 231.604†	3654.9	532.1	ug/L	7.65	532.1	ug/L	7.65	1.44%
QC value within limits for Ni 231.604 Recovery = 106.43%								
Pb 220.353†	685.3	522.6	ug/L	4.80	522.6	ug/L	4.80	0.92%
QC value within limits for Pb 220.353 Recovery = 104.53%								
Sb 206.836†	666.5	524.8	ug/L	5.63	524.8	ug/L	5.63	1.07%
QC value within limits for Sb 206.836 Recovery = 104.96%								
Se 196.026†	219.0	503.8	ug/L	9.69	503.8	ug/L	9.69	1.92%
QC value within limits for Se 196.026 Recovery = 100.75%								
V 311.071†	81551.8	492.9	ug/L	0.62	492.9	ug/L	0.62	0.12%
QC value within limits for V 311.071 Recovery = 98.57%								
Sn 189.927†	774.1	516.0	ug/L	12.10	516.0	ug/L	12.10	2.34%
QC value within limits for Sn 189.927 Recovery = 103.20%								
Sr 421.552†	350564.3	493.3	ug/L	1.46	493.3	ug/L	1.46	0.30%
QC value within limits for Sr 421.552 Recovery = 98.65%								
Tl 190.801†	707.4	545.4	ug/L	2.83	545.4	ug/L	2.83	0.52%
QC value within limits for Tl 190.801 Recovery = 109.08%								
Zn 206.200†	5041.6	531.9	ug/L	8.41	531.9	ug/L	8.41	1.58%
QC value within limits for Zn 206.200 Recovery = 106.37%								
Ti 334.940†	251431.7	514.4	ug/L	0.94	514.4	ug/L	0.94	0.18%
QC value within limits for Ti 334.940 Recovery = 102.88%								
B 249.772†	14621.1	468.8	ug/L	7.73	468.8	ug/L	7.73	1.65%
QC value within limits for B 249.772 Recovery = 93.76%								
Cu 324.752†	122831.4	512.5	ug/L	1.34	512.5	ug/L	1.34	0.26%
QC value within limits for Cu 324.752 Recovery = 102.50%								
S 181.975†	1010.3	10180	ug/L	147.2	10180	ug/L	147.2	1.45%
QC value within limits for S 181.975 Recovery = 101.81%								
Zr 343.823†	105549.1	487.8	ug/L	0.25	487.8	ug/L	0.25	0.05%
QC value within limits for Zr 343.823 Recovery = 97.56%								
Li 670.784†	98528.8	501.1	ug/L	0.36	501.1	ug/L	0.36	0.07%
QC value within limits for Li 670.784 Recovery = 100.22%								

All analyte(s) passed QC.

Sequence No.: 4
Sample ID: ICB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/20/2011 11:07:11 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	760540.5	1.009	mg/L	0.0051				0.51%
Y (radial)	97563.2	1.008	mg/L	0.0127				1.26%
Ag 328.068†	-10.8	-0.083	ug/L	0.0570	-0.083	ug/L	0.0570	68.89%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	27.6	3.405	ug/L	3.0601	3.405	ug/L	3.0601	89.86%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	2.5	3.192	ug/L	4.5676	3.192	ug/L	4.5676	143.09%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	12.7	0.235	ug/L	0.0043	0.235	ug/L	0.0043	1.81%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	40.3	0.039	ug/L	0.0674	0.039	ug/L	0.0674	172.34%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	11.8	1.647	ug/L	0.0001	1.647	ug/L	0.0001	0.01%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	-1.4	-0.044	ug/L	0.1817	-0.044	ug/L	0.1817	415.72%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-9.2	-0.796	ug/L	0.0066	-0.796	ug/L	0.0066	0.83%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	5.8	0.285	ug/L	0.2836	0.285	ug/L	0.2836	99.57%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Fe 238.204†	-12.2	-6.408	ug/L	1.8509	-6.408	ug/L	1.8509	28.88%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	-24.2	-4.295	ug/L	7.3374	-4.295	ug/L	7.3374	170.83%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	14.8	1.478	ug/L	1.2346	1.478	ug/L	1.2346	83.51%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	7.8	0.022	ug/L	0.0324	0.022	ug/L	0.0324	146.22%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-0.9	-0.219	ug/L	1.3535	-0.219	ug/L	1.3535	617.77%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-390.1	-52.98	ug/L	12.982	-52.98	ug/L	12.982	24.50%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-8.9	-1.292	ug/L	1.2276	-1.292	ug/L	1.2276	95.04%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-5.2	-3.948	ug/L	2.0912	-3.948	ug/L	2.0912	52.97%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	3.8	2.954	ug/L	0.7761	2.954	ug/L	0.7761	26.27%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	0.3	0.578	ug/L	14.2815	0.578	ug/L	14.2815	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
V 311.071†	-14.3	-0.090	ug/L	0.1505	-0.090	ug/L	0.1505	167.08%
QC value within limits for V 311.071 Recovery = Not calculated								
Sn 189.927†	2.6	1.754	ug/L	2.0949	1.754	ug/L	2.0949	119.45%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	88.5	0.125	ug/L	0.0219	0.125	ug/L	0.0219	17.56%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Tl 190.801†	5.1	3.898	ug/L	3.8818	3.898	ug/L	3.8818	99.59%
QC value within limits for Tl 190.801 Recovery = Not calculated								
Zn 206.200†	-0.9	-0.090	ug/L	0.4564	-0.090	ug/L	0.4564	508.28%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Ti 334.940†	-13.4	-0.027	ug/L	0.0397	-0.027	ug/L	0.0397	144.97%
QC value within limits for Ti 334.940 Recovery = Not calculated								
B 249.772†	140.0	4.748	ug/L	0.0227	4.748	ug/L	0.0227	0.48%
QC value within limits for B 249.772 Recovery = Not calculated								
Cu 324.752†	99.5	0.414	ug/L	0.1505	0.414	ug/L	0.1505	36.36%
QC value within limits for Cu 324.752 Recovery = Not calculated								
S 181.975†	-2.5	-24.09	ug/L	12.595	-24.09	ug/L	12.595	52.28%
QC value within limits for S 181.975 Recovery = Not calculated								
Zr 343.823†	110.5	0.487	ug/L	0.0711	0.487	ug/L	0.0711	14.60%
QC value within limits for Zr 343.823 Recovery = Not calculated								

Li 670.784† -0.1 0.000 ug/L 0.7525 0.000 ug/L 0.7525 >999.9%
QC value within limits for Li 670.784 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 5 **Autosampler Location: 4**
Sample ID: CRI **Date Collected: 7/20/2011 11:10:18 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	760142.2	1.009	mg/L	0.0084				0.83%
Y (radial)	96505.5	0.997	mg/L	0.0045				0.45%
Ag 328.068†	294.4	1.985	ug/L	0.1068	1.985	ug/L	0.1068	5.38%
QC value within limits for Ag 328.068 Recovery = 99.27%								
Al 396.153†	4137.9	506.9	ug/L	7.63	506.9	ug/L	7.63	1.51%
QC value within limits for Al 396.153 Recovery = 101.38%								
As 188.979†	18.1	22.93	ug/L	0.910	22.93	ug/L	0.910	3.97%
QC value within limits for As 188.979 Recovery = 76.43%								
Ba 233.527†	574.0	10.63	ug/L	0.120	10.63	ug/L	0.120	1.12%
QC value within limits for Ba 233.527 Recovery = 106.33%								
Be 313.107†	10403.8	10.23	ug/L	0.045	10.23	ug/L	0.045	0.44%
QC value within limits for Be 313.107 Recovery = 102.34%								
Ca 317.933†	7132.7	997.2	ug/L	10.37	997.2	ug/L	10.37	1.04%
QC value within limits for Ca 317.933 Recovery = 99.72%								
Cd 214.440†	329.7	10.42	ug/L	0.006	10.42	ug/L	0.006	0.05%
QC value within limits for Cd 214.440 Recovery = 104.18%								
Co 228.616†	111.8	9.607	ug/L	0.3465	9.607	ug/L	0.3465	3.61%
QC value within limits for Co 228.616 Recovery = 96.07%								
Cr 267.716†	212.1	10.38	ug/L	0.363	10.38	ug/L	0.363	3.50%
QC value within limits for Cr 267.716 Recovery = 103.76%								
Fe 238.204†	482.1	253.8	ug/L	5.61	253.8	ug/L	5.61	2.21%
QC value within limits for Fe 238.204 Recovery = 101.51%								
K 766.490†	5653.5	1005	ug/L	4.2	1005	ug/L	4.2	0.42%
QC value within limits for K 766.490 Recovery = 100.46%								
Mg 285.213†	10425.7	1043	ug/L	11.4	1043	ug/L	11.4	1.09%
QC value within limits for Mg 285.213 Recovery = 104.35%								
Mn 257.610†	3708.6	10.47	ug/L	0.016	10.47	ug/L	0.016	0.16%
QC value within limits for Mn 257.610 Recovery = 104.68%								
Mo 202.031†	117.3	29.37	ug/L	0.579	29.37	ug/L	0.579	1.97%
QC value within limits for Mo 202.031 Recovery = 97.91%								
Na 589.592†	6760.8	918.2	ug/L	2.33	918.2	ug/L	2.33	0.25%
QC value within limits for Na 589.592 Recovery = 91.82%								
Ni 231.604†	67.7	9.853	ug/L	0.6537	9.853	ug/L	0.6537	6.63%
QC value within limits for Ni 231.604 Recovery = 98.53%								
Pb 220.353†	38.6	29.49	ug/L	3.050	29.49	ug/L	3.050	10.34%
QC value within limits for Pb 220.353 Recovery = 98.31%								
Sb 206.836†	41.5	32.96	ug/L	9.935	32.96	ug/L	9.935	30.15%
QC value within limits for Sb 206.836 Recovery = 109.85%								
Se 196.026†	28.2	64.14	ug/L	2.212	64.14	ug/L	2.212	3.45%
QC value within limits for Se 196.026 Recovery = 85.52%								
V 311.071†	1722.5	10.10	ug/L	0.148	10.10	ug/L	0.148	1.46%
QC value within limits for V 311.071 Recovery = 100.96%								
Sn 189.927†	47.1	31.40	ug/L	0.646	31.40	ug/L	0.646	2.06%
QC value within limits for Sn 189.927 Recovery = 104.66%								
Sr 421.552†	6787.1	9.541	ug/L	0.0353	9.541	ug/L	0.0353	0.37%
QC value within limits for Sr 421.552 Recovery = 95.41%								
Tl 190.801†	42.8	33.04	ug/L	2.260	33.04	ug/L	2.260	6.84%
QC value within limits for Tl 190.801 Recovery = 110.13%								
Zn 206.200†	346.9	36.38	ug/L	0.236	36.38	ug/L	0.236	0.65%
QC value within limits for Zn 206.200 Recovery = 121.27%								
Ti 334.940†	14828.5	30.34	ug/L	0.108	30.34	ug/L	0.108	0.36%
QC value within limits for Ti 334.940 Recovery = 101.13%								
B 249.772†	1432.9	47.22	ug/L	0.011	47.22	ug/L	0.011	0.02%
QC value within limits for B 249.772 Recovery = 94.43%								
Cu 324.752†	4900.2	20.45	ug/L	0.027	20.45	ug/L	0.027	0.13%
QC value within limits for Cu 324.752 Recovery = 102.24%								
S 181.975†	109.6	1073	ug/L	4.7	1073	ug/L	4.7	0.43%

QC value within limits for S 181.975 Recovery = 107.31%

Zr 343.823†	6268.4	29.10 ug/L	0.054	29.10 ug/L	0.054	0.18%

QC value within limits for Zr 343.823 Recovery = 97.01%

Li 670.784†	2133.5	10.85 ug/L	0.359	10.85 ug/L	0.359	3.31%

QC value within limits for Li 670.784 Recovery = 108.51%

All analyte(s) passed QC.

Sequence No.: 6 **Autosampler Location: 5**
Sample ID: ICSA **Date Collected: 7/20/2011 11:13:31 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	663149.0	0.880	mg/L	0.0136				1.55%
Y (radial)	91749.6	0.948	mg/L	0.0001				0.02%
Ag 328.068†	-1887.1	-4.923	ug/L	0.8726	-4.923	ug/L	0.8726	17.72%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	4354895.6	534900	ug/L	12.4	534900	ug/L	12.4	0.00%
QC value within limits for Al 396.153 Recovery = 106.99%								
As 188.979†	-19.9	-25.70	ug/L	8.014	-25.70	ug/L	8.014	31.19%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	446.3	5.419	ug/L	0.4948	5.419	ug/L	0.4948	9.13%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-276.8	-0.301	ug/L	0.0353	-0.301	ug/L	0.0353	11.73%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	3507801.2	490400	ug/L	1558.5	490400	ug/L	1558.5	0.32%
QC value within limits for Ca 317.933 Recovery = 98.09%								
Cd 214.440†	119.0	-1.512	ug/L	0.1476	-1.512	ug/L	0.1476	9.76%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	42.2	-3.647	ug/L	0.9693	-3.647	ug/L	0.9693	26.58%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-126.2	2.587	ug/L	0.2974	2.587	ug/L	0.2974	11.50%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Fe 238.204†	351217.5	184900	ug/L	492.5	184900	ug/L	492.5	0.27%
QC value within limits for Fe 238.204 Recovery = 92.43%								
K 766.490†	127.8	22.70	ug/L	4.527	22.70	ug/L	4.527	19.94%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	4694536.4	469900	ug/L	161.3	469900	ug/L	161.3	0.03%
QC value within limits for Mg 285.213 Recovery = 93.98%								
Mn 257.610†	-1383.1	-24.97	ug/L	0.038	-24.97	ug/L	0.038	0.15%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-50.9	-5.515	ug/L	1.9991	-5.515	ug/L	1.9991	36.25%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-334.0	-45.37	ug/L	5.081	-45.37	ug/L	5.081	11.20%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	4.5	-1.420	ug/L	1.7372	-1.420	ug/L	1.7372	122.35%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-38.4	-1.463	ug/L	14.7901	-1.463	ug/L	14.7901	>999.9%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-28.8	30.14	ug/L	8.750	30.14	ug/L	8.750	29.03%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-110.4	13.56	ug/L	7.080	13.56	ug/L	7.080	52.22%
QC value within limits for Se 196.026 Recovery = Not calculated								
V 311.071†	1509.2	2.172	ug/L	0.5734	2.172	ug/L	0.5734	26.40%
QC value within limits for V 311.071 Recovery = Not calculated								
Sn 189.927†	-16.7	8.782	ug/L	2.9235	8.782	ug/L	2.9235	33.29%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	19335.3	20.21	ug/L	0.203	20.21	ug/L	0.203	1.00%
QC value greater than the upper limit for Sr 421.552 Recovery = Not calculated								
Tl 190.801†	-53.1	-7.323	ug/L	7.5255	-7.323	ug/L	7.5255	102.76%
QC value within limits for Tl 190.801 Recovery = Not calculated								
Zn 206.200†	292.6	30.56	ug/L	1.652	30.56	ug/L	1.652	5.41%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Ti 334.940†	-3982.8	-8.149	ug/L	0.2708	-8.149	ug/L	0.2708	3.32%
QC value within limits for Ti 334.940 Recovery = Not calculated								
B 249.772†	20593.4	-96.74	ug/L	1.910	-96.74	ug/L	1.910	1.97%
QC value within limits for B 249.772 Recovery = Not calculated								

Cu 324.752†	-5031.3	1.586 ug/L	0.0930	1.586 ug/L	0.0930	5.86%
QC value within limits for Cu 324.752 Recovery = Not calculated						
S 181.975†	-1491.6	127.5 ug/L	6.04	127.5 ug/L	6.04	4.73%
QC value within limits for S 181.975 Recovery = Not calculated						
Zr 343.823†	1072.8	0.509 ug/L	0.1865	0.509 ug/L	0.1865	36.64%
QC value within limits for Zr 343.823 Recovery = Not calculated						
Li 670.784†	916.0	4.659 ug/L	0.5260	4.659 ug/L	0.5260	11.29%
QC value within limits for Li 670.784 Recovery = Not calculated						

QC Failed. Continue with analysis.

Sequence No.: 7 **Autosampler Location: 6**
Sample ID: ICSAB **Date Collected: 7/20/2011 11:17:06 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	663470.0	0.881 mg/L	0.0040			0.46%
Y (radial)	91057.6	0.940 mg/L	0.0027			0.28%
Ag 328.068†	13410.2	104.3 ug/L	0.33	104.3 ug/L	0.33	0.32%
QC value within limits for Ag 328.068 Recovery = 104.33%						
Al 396.153†	4355746.1	535000 ug/L	2574.9	535000 ug/L	2574.9	0.48%
QC value within limits for Al 396.153 Recovery = 107.00%						
As 188.979†	374.8	476.7 ug/L	11.50	476.7 ug/L	11.50	2.41%
QC value within limits for As 188.979 Recovery = 95.34%						
Ba 233.527†	26973.7	497.1 ug/L	0.74	497.1 ug/L	0.74	0.15%
QC value within limits for Ba 233.527 Recovery = 99.41%						
Be 313.107†	506100.0	494.0 ug/L	0.18	494.0 ug/L	0.18	0.04%
QC value within limits for Be 313.107 Recovery = 98.81%						
Ca 317.933†	3449758.5	482300 ug/L	5652.1	482300 ug/L	5652.1	1.17%
QC value within limits for Ca 317.933 Recovery = 96.46%						
Cd 214.440†	14425.5	450.8 ug/L	1.68	450.8 ug/L	1.68	0.37%
QC value within limits for Cd 214.440 Recovery = 90.17%						
Co 228.616†	5393.1	457.6 ug/L	2.01	457.6 ug/L	2.01	0.44%
QC value within limits for Co 228.616 Recovery = 91.52%						
Cr 267.716†	9916.7	493.3 ug/L	1.41	493.3 ug/L	1.41	0.29%
QC value within limits for Cr 267.716 Recovery = 98.65%						
Fe 238.204†	351749.6	185100 ug/L	1873.4	185100 ug/L	1873.4	1.01%
QC value within limits for Fe 238.204 Recovery = 92.57%						
K 766.490†	185.3	32.92 ug/L	23.196	32.92 ug/L	23.196	70.46%
QC value within limits for K 766.490 Recovery = Not calculated						
Mg 285.213†	4749784.6	475400 ug/L	1876.3	475400 ug/L	1876.3	0.39%
QC value within limits for Mg 285.213 Recovery = 95.09%						
Mn 257.610†	169190.9	458.4 ug/L	0.20	458.4 ug/L	0.20	0.04%
QC value within limits for Mn 257.610 Recovery = 91.68%						
Mo 202.031†	1893.5	481.2 ug/L	3.34	481.2 ug/L	3.34	0.69%
QC value within limits for Mo 202.031 Recovery = 96.23%						
Na 589.592†	-252.3	-34.27 ug/L	9.432	-34.27 ug/L	9.432	27.52%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	3130.4	453.8 ug/L	0.80	453.8 ug/L	0.80	0.18%
QC value within limits for Ni 231.604 Recovery = 90.75%						
Pb 220.353†	606.0	490.1 ug/L	13.39	490.1 ug/L	13.39	2.73%
QC value within limits for Pb 220.353 Recovery = 98.02%						
Sb 206.836†	608.5	529.2 ug/L	14.62	529.2 ug/L	14.62	2.76%
QC value within limits for Sb 206.836 Recovery = 105.85%						
Se 196.026†	343.5	1037 ug/L	26.0	1037 ug/L	26.0	2.51%
QC value within limits for Se 196.026 Recovery = 103.66%						
V 311.071†	82316.3	490.6 ug/L	2.18	490.6 ug/L	2.18	0.45%
QC value within limits for V 311.071 Recovery = 98.12%						
Sn 189.927†	691.0	479.7 ug/L	2.13	479.7 ug/L	2.13	0.44%
QC value within limits for Sn 189.927 Recovery = 95.93%						
Sr 421.552†	364991.7	507.0 ug/L	4.12	507.0 ug/L	4.12	0.81%
QC value within limits for Sr 421.552 Recovery = 101.39%						
Tl 190.801†	557.4	463.0 ug/L	20.98	463.0 ug/L	20.98	4.53%
QC value within limits for Tl 190.801 Recovery = 92.61%						
Zn 206.200†	4291.8	453.1 ug/L	1.32	453.1 ug/L	1.32	0.29%
QC value within limits for Zn 206.200 Recovery = 90.62%						
Ti 334.940†	243984.0	499.2 ug/L	0.60	499.2 ug/L	0.60	0.12%

QC value within limits for Ti 334.940 Recovery = 99.84%

B 249.772†	35122.7	391.8 ug/L	5.76	391.8 ug/L	5.76	1.47%

QC value less than the lower limit for B 249.772 Recovery = 78.37%

Cu 324.752†	131327.4	569.8 ug/L	3.66	569.8 ug/L	3.66	0.64%

QC value within limits for Cu 324.752 Recovery = 113.96%

S 181.975†	-1446.1	728.1 ug/L	174.09	728.1 ug/L	174.09	23.91%

QC value within limits for S 181.975 Recovery = Not calculated

Zr 343.823†	107304.0	492.0 ug/L	1.50	492.0 ug/L	1.50	0.30%

QC value within limits for Zr 343.823 Recovery = 98.40%

Li 670.784†	107069.4	544.6 ug/L	2.25	544.6 ug/L	2.25	0.41%

QC value within limits for Li 670.784 Recovery = 108.91%

QC Failed. Continue with analysis.

Sequence No.: 8
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 7/20/2011 11:20:42 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	748418.6	0.993	mg/L	0.0014				0.14%
Y (radial)	97007.7	1.002	mg/L	0.0119				1.19%
Ag 328.068†	34540.2	249.3	ug/L	0.09	249.3	ug/L	0.09	0.04%
QC value within limits for Ag 328.068 Recovery = 99.73%								
Al 396.153†	41408.6	5063	ug/L	14.3	5063	ug/L	14.3	0.28%
QC value within limits for Al 396.153 Recovery = 101.26%								
As 188.979†	421.2	536.6	ug/L	7.00	536.6	ug/L	7.00	1.30%
QC value within limits for As 188.979 Recovery = 107.31%								
Ba 233.527†	27694.9	513.2	ug/L	0.43	513.2	ug/L	0.43	0.08%
QC value within limits for Ba 233.527 Recovery = 102.63%								
Be 313.107†	522780.3	510.3	ug/L	0.81	510.3	ug/L	0.81	0.16%
QC value within limits for Be 313.107 Recovery = 102.07%								
Ca 317.933†	133492.5	18660	ug/L	23.7	18660	ug/L	23.7	0.13%
QC value within limits for Ca 317.933 Recovery = 100.88%								
Cd 214.440†	16672.1	527.0	ug/L	1.33	527.0	ug/L	1.33	0.25%
QC value within limits for Cd 214.440 Recovery = 105.40%								
Co 228.616†	6051.8	521.5	ug/L	0.79	521.5	ug/L	0.79	0.15%
QC value within limits for Co 228.616 Recovery = 104.29%								
Cr 267.716†	10634.1	519.8	ug/L	1.31	519.8	ug/L	1.31	0.25%
QC value within limits for Cr 267.716 Recovery = 103.96%								
Fe 238.204†	10750.3	5658	ug/L	0.3	5658	ug/L	0.3	0.01%
QC value within limits for Fe 238.204 Recovery = 102.88%								
K 766.490†	224567.2	39900	ug/L	1180.1	39900	ug/L	1180.1	2.96%
QC value within limits for K 766.490 Recovery = 99.76%								
Mg 285.213†	192494.4	19270	ug/L	538.4	19270	ug/L	538.4	2.79%
QC value within limits for Mg 285.213 Recovery = 104.15%								
Mn 257.610†	182387.3	516.3	ug/L	0.22	516.3	ug/L	0.22	0.04%
QC value within limits for Mn 257.610 Recovery = 103.25%								
Mo 202.031†	2000.6	501.0	ug/L	2.04	501.0	ug/L	2.04	0.41%
QC value within limits for Mo 202.031 Recovery = 100.19%								
Na 589.592†	287858.5	39100	ug/L	1155.9	39100	ug/L	1155.9	2.96%
QC value within limits for Na 589.592 Recovery = 97.74%								
Ni 231.604†	3626.8	528.1	ug/L	2.25	528.1	ug/L	2.25	0.43%
QC value within limits for Ni 231.604 Recovery = 105.61%								
Pb 220.353†	691.5	527.3	ug/L	2.30	527.3	ug/L	2.30	0.44%
QC value within limits for Pb 220.353 Recovery = 105.47%								
Sb 206.836†	654.6	515.4	ug/L	3.59	515.4	ug/L	3.59	0.70%
QC value within limits for Sb 206.836 Recovery = 103.08%								
Se 196.026†	213.5	491.4	ug/L	2.69	491.4	ug/L	2.69	0.55%
QC value within limits for Se 196.026 Recovery = 98.28%								
V 311.071†	81706.0	493.8	ug/L	0.02	493.8	ug/L	0.02	0.00%
QC value within limits for V 311.071 Recovery = 98.76%								
Sn 189.927†	760.8	507.2	ug/L	9.37	507.2	ug/L	9.37	1.85%
QC value within limits for Sn 189.927 Recovery = 101.43%								
Sr 421.552†	349785.9	492.2	ug/L	14.47	492.2	ug/L	14.47	2.94%
QC value within limits for Sr 421.552 Recovery = 98.43%								
Tl 190.801†	690.7	532.7	ug/L	5.39	532.7	ug/L	5.39	1.01%
QC value within limits for Tl 190.801 Recovery = 106.54%								

Zn 206.200†	5022.2	529.8 ug/L	1.97	529.8 ug/L	1.97	0.37%
QC value within limits for Zn 206.200 Recovery = 105.96%						
Ti 334.940†	251516.3	514.6 ug/L	0.25	514.6 ug/L	0.25	0.05%
QC value within limits for Ti 334.940 Recovery = 102.92%						
B 249.772†	14355.6	459.7 ug/L	1.79	459.7 ug/L	1.79	0.39%
QC value within limits for B 249.772 Recovery = 91.94%						
Cu 324.752†	122646.2	511.7 ug/L	0.29	511.7 ug/L	0.29	0.06%
QC value within limits for Cu 324.752 Recovery = 102.34%						
S 181.975†	1003.0	10110 ug/L	37.9	10110 ug/L	37.9	0.38%
QC value within limits for S 181.975 Recovery = 101.14%						
Zr 343.823†	105820.1	489.1 ug/L	0.70	489.1 ug/L	0.70	0.14%
QC value within limits for Zr 343.823 Recovery = 97.81%						
Li 670.784†	97750.0	497.2 ug/L	16.16	497.2 ug/L	16.16	3.25%
QC value within limits for Li 670.784 Recovery = 99.43%						

All analyte(s) passed QC.

Sequence No.: 9 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 7/20/2011 11:24:16 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	751460.3	0.997	mg/L	0.0093				0.93%
Y (radial)	96607.0	0.998	mg/L	0.0085				0.85%
Ag 328.068†	14.9	0.106	ug/L	0.1084	0.106	ug/L	0.1084	102.73%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	67.2	8.273	ug/L	2.0909	8.273	ug/L	2.0909	25.27%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	0.9	1.123	ug/L	4.0984	1.123	ug/L	4.0984	365.09%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	8.9	0.165	ug/L	0.0117	0.165	ug/L	0.0117	7.10%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	38.6	0.037	ug/L	0.0812	0.037	ug/L	0.0812	218.39%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	9.6	1.343	ug/L	1.2621	1.343	ug/L	1.2621	94.00%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	-0.5	-0.016	ug/L	0.1666	-0.016	ug/L	0.1666	>999.9%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-4.6	-0.400	ug/L	0.1517	-0.400	ug/L	0.1517	37.94%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	1.0	0.048	ug/L	0.0031	0.048	ug/L	0.0031	6.42%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Fe 238.204†	12.9	6.766	ug/L	3.6792	6.766	ug/L	3.6792	54.38%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	103.5	18.40	ug/L	21.213	18.40	ug/L	21.213	115.31%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	20.3	2.039	ug/L	0.2549	2.039	ug/L	0.2549	12.50%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	-6.1	-0.018	ug/L	0.0004	-0.018	ug/L	0.0004	2.34%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-1.9	-0.469	ug/L	0.1257	-0.469	ug/L	0.1257	26.79%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-499.6	-67.85	ug/L	3.370	-67.85	ug/L	3.370	4.97%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-7.6	-1.100	ug/L	0.7789	-1.100	ug/L	0.7789	70.83%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-9.1	-6.889	ug/L	4.8920	-6.889	ug/L	4.8920	71.01%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	5.8	4.528	ug/L	2.5510	4.528	ug/L	2.5510	56.34%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	1.6	3.597	ug/L	9.9400	3.597	ug/L	9.9400	276.36%
QC value within limits for Se 196.026 Recovery = Not calculated								
V 311.071†	1.3	0.007	ug/L	0.0611	0.007	ug/L	0.0611	911.11%
QC value within limits for V 311.071 Recovery = Not calculated								
Sn 189.927†	0.8	0.562	ug/L	1.6739	0.562	ug/L	1.6739	298.00%
QC value within limits for Sn 189,927 Recovery = Not calculated								
Sr 421.552†	27.5	0.039	ug/L	0.0545	0.039	ug/L	0.0545	140.73%

QC value within limits for Sr 421.552 Recovery = Not calculated

Tl 190.801†	8.5	6.503 ug/L	0.8421	6.503 ug/L	0.8421	12.95%
QC value within limits for Tl 190.801 Recovery = Not calculated							
Zn 206.200†	-0.4	-0.046 ug/L	0.6320	-0.046 ug/L	0.6320	>999.9%
QC value within limits for Zn 206.200 Recovery = Not calculated							
Ti 334.940†	-40.0	-0.082 ug/L	0.0190	-0.082 ug/L	0.0190	23.29%
QC value within limits for Ti 334.940 Recovery = Not calculated							
B 249.772†	128.4	4.298 ug/L	0.0640	4.298 ug/L	0.0640	1.49%
QC value within limits for B 249.772 Recovery = Not calculated							
Cu 324.752†	21.0	0.088 ug/L	0.0822	0.088 ug/L	0.0822	92.92%
QC value within limits for Cu 324.752 Recovery = Not calculated							
S 181.975†	-2.7	-25.65 ug/L	3.991	-25.65 ug/L	3.991	15.56%
QC value within limits for S 181.975 Recovery = Not calculated							
Zr 343.823†	92.2	0.421 ug/L	0.0771	0.421 ug/L	0.0771	18.32%
QC value within limits for Zr 343.823 Recovery = Not calculated							
Li 670.784†	65.2	0.332 ug/L	0.1692	0.332 ug/L	0.1692	51.01%

QC value within limits for Li 670.784 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: mb 220-53039/1-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 7/20/2011 11:27:24 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: mb 220-53039/1-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	756724.1	1.004	mg/L	0.0193				1.92%
Y (radial)	96314.6	0.995	mg/L	0.0070				0.71%
Ag 328.068†	36.5	0.264	ug/L	0.0225	0.264	ug/L	0.0225	8.54%
Al 396.153†	91.1	11.30	ug/L	1.109	11.30	ug/L	1.109	9.82%
As 188.979†	3.3	4.234	ug/L	2.3461	4.234	ug/L	2.3461	55.41%
Ba 233.527†	11.8	0.218	ug/L	0.0129	0.218	ug/L	0.0129	5.92%
Be 313.107†	22.5	0.021	ug/L	0.0711	0.021	ug/L	0.0711	331.44%
Ca 317.933†	45.9	6.417	ug/L	1.5727	6.417	ug/L	1.5727	24.51%
Cd 214.440†	0.9	0.027	ug/L	0.0757	0.027	ug/L	0.0757	275.50%
Co 228.616†	-7.6	-0.658	ug/L	0.1420	-0.658	ug/L	0.1420	21.57%
Cr 267.716†	-2.4	-0.118	ug/L	0.1380	-0.118	ug/L	0.1380	116.72%
Fe 238.204†	14.6	7.675	ug/L	0.1311	7.675	ug/L	0.1311	1.71%
K 766.490†	-25.6	-4.554	ug/L	8.8511	-4.554	ug/L	8.8511	194.35%
Mg 285.213†	24.8	2.486	ug/L	0.9795	2.486	ug/L	0.9795	39.40%
Mn 257.610†	68.2	0.193	ug/L	0.0012	0.193	ug/L	0.0012	0.60%
Mo 202.031†	-9.7	-2.423	ug/L	1.1082	-2.423	ug/L	1.1082	45.74%
Na 589.592†	-136.4	-18.52	ug/L	10.602	-18.52	ug/L	10.602	57.24%
Ni 231.604†	-3.0	-0.443	ug/L	0.5114	-0.443	ug/L	0.5114	115.41%
Pb 220.353†	-7.1	-5.373	ug/L	1.2804	-5.373	ug/L	1.2804	23.83%
Sb 206.836†	0.1	0.121	ug/L	2.9704	0.121	ug/L	2.9704	>999.9%
Se 196.026†	3.2	7.320	ug/L	9.9896	7.320	ug/L	9.9896	136.46%
V 311.071†	22.9	0.141	ug/L	0.1859	0.141	ug/L	0.1859	132.08%
Sn 189.927†	11.5	7.640	ug/L	0.4394	7.640	ug/L	0.4394	5.75%
Sr 421.552†	-15.3	-0.022	ug/L	0.0036	-0.022	ug/L	0.0036	16.47%
Tl 190.801†	5.1	3.870	ug/L	1.7054	3.870	ug/L	1.7054	44.07%
Zn 206.200†	20.1	2.103	ug/L	0.2115	2.103	ug/L	0.2115	10.06%
Ti 334.940†	-56.3	-0.115	ug/L	0.0543	-0.115	ug/L	0.0543	47.07%
B 249.772†	210.3	7.056	ug/L	0.1544	7.056	ug/L	0.1544	2.19%
Cu 324.752†	230.4	0.961	ug/L	0.2944	0.961	ug/L	0.2944	30.63%
S 181.975†	0.9	8.387	ug/L	13.5201	8.387	ug/L	13.5201	161.20%
Zr 343.823†	69.2	0.285	ug/L	0.0113	0.285	ug/L	0.0113	3.98%
Li 670.784†	116.1	0.591	ug/L	0.2071	0.591	ug/L	0.2071	35.07%

Sequence No.: 11
Sample ID: lcs 220-53039/2-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 7/20/2011 11:30:33 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: lcs 220-53039/2-a

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	749763.2	0.995	mg/L	0.0030				0.30%
Y (radial)	96281.8	0.994	mg/L	0.0008				0.09%
Ag 328.068†	43481.7	310.0	ug/L	0.22	310.0	ug/L	0.22	0.07%
Al 396.153†	28957.0	3508	ug/L	2.3	3508	ug/L	2.3	0.06%
As 188.979†	821.9	1041	ug/L	0.4	1041	ug/L	0.4	0.04%
Ba 233.527†	17493.7	324.2	ug/L	1.92	324.2	ug/L	1.92	0.59%
Be 313.107†	109486.2	110.5	ug/L	0.38	110.5	ug/L	0.38	0.34%
Ca 317.933†	51517.6	7203	ug/L	25.2	7203	ug/L	25.2	0.35%
Cd 214.440†	10233.1	323.5	ug/L	0.27	323.5	ug/L	0.27	0.08%
Co 228.616†	3808.6	327.5	ug/L	0.46	327.5	ug/L	0.46	0.14%
Cr 267.716†	6612.5	323.2	ug/L	0.85	323.2	ug/L	0.85	0.26%
Fe 238.204†	6849.6	3605	ug/L	18.0	3605	ug/L	18.0	0.50%
K 766.490†	157471.1	27980	ug/L	713.7	27980	ug/L	713.7	2.55%
Mg 285.213†	71701.4	7178	ug/L	17.0	7178	ug/L	17.0	0.24%
Mn 257.610†	75232.7	213.0	ug/L	0.62	213.0	ug/L	0.62	0.29%
Mo 202.031†	4246.4	1063	ug/L	0.9	1063	ug/L	0.9	0.08%
Na 589.592†	51064.8	6936	ug/L	2.2	6936	ug/L	2.2	0.03%
Ni 231.604†	2277.9	331.7	ug/L	0.05	331.7	ug/L	0.05	0.02%
Pb 220.353†	1424.5	1087	ug/L	5.7	1087	ug/L	5.7	0.53%
Sb 206.836†	1361.1	1080	ug/L	0.3	1080	ug/L	0.3	0.03%
Se 196.026†	234.9	535.1	ug/L	2.40	535.1	ug/L	2.40	0.45%
V 311.071†	53236.5	310.4	ug/L	1.07	310.4	ug/L	1.07	0.34%
Sn 189.927†	1601.1	1066	ug/L	5.2	1066	ug/L	5.2	0.49%
Sr 421.552†	184.0	0.156	ug/L	0.1559	0.156	ug/L	0.1559	99.83%
Tl 190.801†	1441.9	1113	ug/L	2.0	1113	ug/L	2.0	0.18%
Zn 206.200†	3112.3	328.3	ug/L	2.12	328.3	ug/L	2.12	0.65%
Ti 334.940†	513063.2	1050	ug/L	0.8	1050	ug/L	0.8	0.08%
B 249.772†	29632.9	983.5	ug/L	1.56	983.5	ug/L	1.56	0.16%
Cu 324.752†	78242.1	326.5	ug/L	0.57	326.5	ug/L	0.57	0.17%
S 181.975†	-196.5	-1649	ug/L	79.4	-1649	ug/L	79.4	4.82%
Zr 343.823†	224867.1	1042	ug/L	0.7	1042	ug/L	0.7	0.07%
Li 670.784†	190.0	0.966	ug/L	0.3813	0.966	ug/L	0.3813	39.46%

Sequence No.: 12
Sample ID: 220-16037-a-2-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 7/20/2011 11:34:04 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16037-a-2-a

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	795539.4	1.056	mg/L	0.0068				0.64%
Y (radial)	101538.5	1.049	mg/L	0.0156				1.48%
Ag 328.068†	-523.8	0.614	ug/L	0.0564	0.614	ug/L	0.0564	9.20%
Al 396.153†	320350.4	39350	ug/L	126.2	39350	ug/L	126.2	0.32%
As 188.979†	19.8	32.24	ug/L	2.027	32.24	ug/L	2.027	6.29%
Ba 233.527†	12491.9	230.1	ug/L	2.00	230.1	ug/L	2.00	0.87%
Be 313.107†	-10349.1	1.021	ug/L	0.0232	1.021	ug/L	0.0232	2.27%
Ca 317.933†	52644.7	7360	ug/L	38.2	7360	ug/L	38.2	0.52%
Cd 214.440†	216.9	4.446	ug/L	0.1068	4.446	ug/L	0.1068	2.40%
Co 228.616†	541.2	37.57	ug/L	0.407	37.57	ug/L	0.407	1.08%
Cr 267.716†	1381.0	69.24	ug/L	1.084	69.24	ug/L	1.084	1.57%
Fe 238.204†	160574.1	84520	ug/L	509.1	84520	ug/L	509.1	0.60%
K 766.490†	49049.2	8716	ug/L	25.0	8716	ug/L	25.0	0.29%
Mg 285.213†	148659.9	14940	ug/L	15.1	14940	ug/L	15.1	0.10%
Mn 257.610†	346648.7	982.2	ug/L	1.39	982.2	ug/L	1.39	0.14%
Mo 202.031†	3.2	4.105	ug/L	0.0670	4.105	ug/L	0.0670	1.63%
Na 589.592†	2781.6	377.8	ug/L	2.28	377.8	ug/L	2.28	0.60%
Ni 231.604†	2709.8	393.3	ug/L	0.13	393.3	ug/L	0.13	0.03%
Pb 220.353†	742.1	559.4	ug/L	8.03	559.4	ug/L	8.03	1.44%
Sb 206.836†	-6.5	-5.109	ug/L	7.7895	-5.109	ug/L	7.7895	152.47%
Se 196.026†	-34.2	-21.90	ug/L	14.679	-21.90	ug/L	14.679	67.02%
V 311.071†	26189.3	126.3	ug/L	1.50	126.3	ug/L	1.50	1.19%
Sn 189.927†	2.7	16.25	ug/L	3.443	16.25	ug/L	3.443	21.19%
Sr 421.552†	52199.4	73.38	ug/L	0.193	73.38	ug/L	0.193	0.26%
Tl 190.801†	-48.4	10.36	ug/L	0.771	10.36	ug/L	0.771	7.44%
Zn 206.200†	11447.5	1198	ug/L	8.0	1198	ug/L	8.0	0.66%

Ti 334.940†	1399501.7	2863	ug/L	6.4	2863	ug/L	6.4	0.23%
B 249.772†	9621.3	-37.28	ug/L	0.129	-37.28	ug/L	0.129	0.35%
Cu 324.752†	612903.4	2564	ug/L	7.4	2564	ug/L	7.4	0.29%
S 181.975†	-226.1	-1695	ug/L	18.7	-1695	ug/L	18.7	1.11%
Zr 343.823†	2097.0	6.832	ug/L	0.1337	6.832	ug/L	0.1337	1.96%
Li 670.784†	16751.9	85.20	ug/L	0.519	85.20	ug/L	0.519	0.61%

Sequence No.: 13 **Autosampler Location: 41**
Sample ID: 220-16037-a-4-a **Date Collected: 7/20/2011 11:37:08 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 220-16037-a-4-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	802064.5	1.064	mg/L	0.0028				0.27%
Y (radial)	104682.9	1.081	mg/L	0.0178				1.65%
Ag 328.068†	-283.2	1.528	ug/L	0.0156	1.528	ug/L	0.0156	1.02%
Al 396.153†	342463.3	42070	ug/L	1799.4	42070	ug/L	1799.4	4.28%
As 188.979†	-13.0	9.692	ug/L	1.6316	9.692	ug/L	1.6316	16.83%
Ba 233.527†	17185.9	317.0	ug/L	1.38	317.0	ug/L	1.38	0.44%
Be 313.107†	-1100.9	7.729	ug/L	0.0358	7.729	ug/L	0.0358	0.46%
Ca 317.933†	32213.7	4504	ug/L	3.4	4504	ug/L	3.4	0.07%
Cd 214.440†	1112.6	33.23	ug/L	0.206	33.23	ug/L	0.206	0.62%
Co 228.616†	385.6	26.10	ug/L	0.245	26.10	ug/L	0.245	0.94%
Cr 267.716†	61890.2	3022	ug/L	13.9	3022	ug/L	13.9	0.46%
Fe 238.204†	130086.6	68470	ug/L	109.6	68470	ug/L	109.6	0.16%
K 766.490†	40596.8	7214	ug/L	5.0	7214	ug/L	5.0	0.07%
Mg 285.213†	117486.1	11810	ug/L	16.0	11810	ug/L	16.0	0.14%
Mn 257.610†	375991.4	1066	ug/L	2.2	1066	ug/L	2.2	0.20%
Mo 202.031†	9.7	5.104	ug/L	0.0924	5.104	ug/L	0.0924	1.81%
Na 589.592†	3172.6	430.9	ug/L	4.13	430.9	ug/L	4.13	0.96%
Ni 231.604†	4468.9	649.3	ug/L	2.30	649.3	ug/L	2.30	0.35%
Pb 220.353†	631.3	476.9	ug/L	6.81	476.9	ug/L	6.81	1.43%
Sb 206.836†	63.8	-0.542	ug/L	0.5562	-0.542	ug/L	0.5562	102.68%
Se 196.026†	-27.8	-18.42	ug/L	5.301	-18.42	ug/L	5.301	28.78%
V 311.071†	19741.1	93.81	ug/L	0.319	93.81	ug/L	0.319	0.34%
Sn 189.927†	234.4	166.7	ug/L	3.36	166.7	ug/L	3.36	2.01%
Sr 421.552†	25210.9	35.43	ug/L	0.035	35.43	ug/L	0.035	0.10%
Tl 190.801†	-38.4	8.327	ug/L	2.2620	8.327	ug/L	2.2620	27.16%
Zn 206.200†	17737.6	1881	ug/L	10.8	1881	ug/L	10.8	0.57%
Ti 334.940†	1111076.4	2273	ug/L	4.7	2273	ug/L	4.7	0.20%
B 249.772†	7893.2	-26.87	ug/L	0.844	-26.87	ug/L	0.844	3.14%
Cu 324.752†	1878932.1	7837	ug/L	79.2	7837	ug/L	79.2	1.01%
S 181.975†	-209.8	-1635	ug/L	41.0	-1635	ug/L	41.0	2.51%
Zr 343.823†	693.9	0.832	ug/L	0.1128	0.832	ug/L	0.1128	13.56%
Li 670.784†	17975.1	91.42	ug/L	0.458	91.42	ug/L	0.458	0.50%

Sequence No.: 14 **Autosampler Location: 42**
Sample ID: 220-16037-a-5-a **Date Collected: 7/20/2011 11:40:42 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 220-16037-a-5-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	801057.2	1.063	mg/L	0.0153				1.44%
Y (radial)	103029.5	1.064	mg/L	0.0038				0.36%
Ag 328.068†	-139.6	2.021	ug/L	0.1699	2.021	ug/L	0.1699	8.41%
Al 396.153†	279388.5	34320	ug/L	1015.6	34320	ug/L	1015.6	2.96%
As 188.979†	-16.6	4.519	ug/L	8.4916	4.519	ug/L	8.4916	187.91%
Ba 233.527†	13723.3	253.1	ug/L	0.00	253.1	ug/L	0.00	0.00%
Be 313.107†	-1340.5	5.871	ug/L	0.0609	5.871	ug/L	0.0609	1.04%
Ca 317.933†	28357.1	3965	ug/L	2.2	3965	ug/L	2.2	0.06%
Cd 214.440†	899.9	26.79	ug/L	0.500	26.79	ug/L	0.500	1.87%
Co 228.616†	253.9	15.96	ug/L	0.101	15.96	ug/L	0.101	0.63%

Cr 267.716†	62074.4	3031	ug/L	10.1	3031	ug/L	10.1	0.33%
Fe 238.204†	110679.3	58260	ug/L	108.5	58260	ug/L	108.5	0.19%
K 766.490†	30743.4	5463	ug/L	42.3	5463	ug/L	42.3	0.78%
Mg 285.213†	91806.8	9231	ug/L	10.3	9231	ug/L	10.3	0.11%
Mn 257.610†	216609.4	613.8	ug/L	1.66	613.8	ug/L	1.66	0.27%
Mo 202.031†	8.0	4.277	ug/L	1.0580	4.277	ug/L	1.0580	24.74%
Na 589.592†	2607.3	354.1	ug/L	4.50	354.1	ug/L	4.50	1.27%
Ni 231.604†	4486.1	651.9	ug/L	13.44	651.9	ug/L	13.44	2.06%
Pb 220.353†	600.1	453.6	ug/L	9.47	453.6	ug/L	9.47	2.09%
Sb 206.836†	49.8	-11.88	ug/L	3.348	-11.88	ug/L	3.348	28.19%
Se 196.026†	-8.9	17.80	ug/L	20.610	17.80	ug/L	20.610	115.80%
V 311.071†	15905.1	75.28	ug/L	0.303	75.28	ug/L	0.303	0.40%
Sn 189.927†	216.7	152.8	ug/L	1.40	152.8	ug/L	1.40	0.92%
Sr 421.552†	23767.1	33.40	ug/L	0.003	33.40	ug/L	0.003	0.01%
Tl 190.801†	-24.0	12.56	ug/L	2.370	12.56	ug/L	2.370	18.87%
Zn 206.200†	12456.1	1329	ug/L	13.6	1329	ug/L	13.6	1.03%
Ti 334.940†	905891.1	1853	ug/L	1.7	1853	ug/L	1.7	0.09%
B 249.772†	6710.8	-23.03	ug/L	6.271	-23.03	ug/L	6.271	27.23%
Cu 324.752†	1473860.7	6148	ug/L	22.8	6148	ug/L	22.8	0.37%
S 181.975†	-170.3	-1338	ug/L	110.9	-1338	ug/L	110.9	8.28%
Zr 343.823†	586.5	0.797	ug/L	0.0960	0.797	ug/L	0.0960	12.05%
Li 670.784†	13734.2	69.85	ug/L	0.471	69.85	ug/L	0.471	0.67%

Sequence No.: 15
Sample ID: 220-16006-a-38-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 7/20/2011 11:44:18 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-38-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	779567.2	1.035	mg/L	0.0083				0.80%
Y (radial)	100300.3	1.036	mg/L	0.0075				0.73%
Ag 328.068†	-457.7	-0.192	ug/L	0.1773	-0.192	ug/L	0.1773	92.31%
Al 396.153†	336815.9	41370	ug/L	648.5	41370	ug/L	648.5	1.57%
As 188.979†	8.4	16.15	ug/L	3.507	16.15	ug/L	3.507	21.71%
Ba 233.527†	5675.2	104.2	ug/L	0.51	104.2	ug/L	0.51	0.49%
Be 313.107†	-4740.7	1.207	ug/L	0.0790	1.207	ug/L	0.0790	6.55%
Ca 317.933†	17668.7	2470	ug/L	1.4	2470	ug/L	1.4	0.06%
Cd 214.440†	49.7	-0.171	ug/L	0.0435	-0.171	ug/L	0.0435	25.40%
Co 228.616†	311.2	21.38	ug/L	0.549	21.38	ug/L	0.549	2.57%
Cr 267.716†	3109.1	153.0	ug/L	0.10	153.0	ug/L	0.10	0.06%
Fe 238.204†	115981.8	61050	ug/L	223.1	61050	ug/L	223.1	0.37%
K 766.490†	14011.8	2490	ug/L	5.6	2490	ug/L	5.6	0.22%
Mg 285.213†	62519.5	6302	ug/L	11.1	6302	ug/L	11.1	0.18%
Mn 257.610†	349326.1	990.2	ug/L	0.92	990.2	ug/L	0.92	0.09%
Mo 202.031†	-1.3	2.068	ug/L	0.0303	2.068	ug/L	0.0303	1.47%
Na 589.592†	144.9	19.69	ug/L	1.617	19.69	ug/L	1.617	8.21%
Ni 231.604†	227.1	32.38	ug/L	0.471	32.38	ug/L	0.471	1.45%
Pb 220.353†	47.4	33.47	ug/L	2.892	33.47	ug/L	2.892	8.64%
Sb 206.836†	2.5	-0.240	ug/L	3.8378	-0.240	ug/L	3.8378	>999.9%
Se 196.026†	-22.1	-10.84	ug/L	0.529	-10.84	ug/L	0.529	4.88%
V 311.071†	14715.5	71.91	ug/L	0.103	71.91	ug/L	0.103	0.14%
Sn 189.927†	1.0	8.200	ug/L	4.5171	8.200	ug/L	4.5171	55.09%
Sr 421.552†	15247.3	21.43	ug/L	0.062	21.43	ug/L	0.062	0.29%
Tl 190.801†	-30.8	2.611	ug/L	4.4602	2.611	ug/L	4.4602	170.82%
Zn 206.200†	775.9	82.45	ug/L	1.142	82.45	ug/L	1.142	1.38%
Ti 334.940†	734423.6	1503	ug/L	0.6	1503	ug/L	0.6	0.04%
B 249.772†	7099.2	-21.88	ug/L	2.302	-21.88	ug/L	2.302	10.52%
Cu 324.752†	7922.9	40.46	ug/L	0.324	40.46	ug/L	0.324	0.80%
S 181.975†	-152.7	-1260	ug/L	64.9	-1260	ug/L	64.9	5.15%
Zr 343.823†	995.1	2.730	ug/L	0.1416	2.730	ug/L	0.1416	5.19%
Li 670.784†	6127.6	31.16	ug/L	0.143	31.16	ug/L	0.143	0.46%

Sequence No.: 16
Sample ID: 220-16006-a-42-a
Analyst:
Initial Sample Wt:

Autosampler Location: 44
Date Collected: 7/20/2011 11:47:25 AM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: 220-16006-a-42-a

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	776627.3	1.031	mg/L	0.0051				0.50%
Y (radial)	102627.2	1.060	mg/L	0.0079				0.74%
Ag 328.068†	-737.2	0.951	ug/L	0.0265	0.951	ug/L	0.0265	2.79%
Al 396.153†	531498.7	65290	ug/L	691.9	65290	ug/L	691.9	1.06%
As 188.979†	61.2	89.53	ug/L	14.911	89.53	ug/L	14.911	16.66%
Ba 233.527†	25943.4	478.2	ug/L	4.36	478.2	ug/L	4.36	0.91%
Be 313.107†	5301.0	12.82	ug/L	0.197	12.82	ug/L	0.197	1.54%
Ca 317.933†	1164940.4	162900	ug/L	1105.8	162900	ug/L	1105.8	0.68%
Cd 214.440†	224.9	3.572	ug/L	0.0878	3.572	ug/L	0.0878	2.46%
Co 228.616†	702.9	52.05	ug/L	1.133	52.05	ug/L	1.133	2.18%
Cr 267.716†	6938.6	341.4	ug/L	0.32	341.4	ug/L	0.32	0.09%
Fe 238.204†	235677.8	124000	ug/L	381.0	124000	ug/L	381.0	0.31%
K 766.490†	19865.7	3530	ug/L	0.2	3530	ug/L	0.2	0.01%
Mg 285.213†	267066.8	26820	ug/L	64.4	26820	ug/L	64.4	0.24%
Mn 257.610†	485669.8	1376	ug/L	12.4	1376	ug/L	12.4	0.90%
Mo 202.031†	64.3	20.93	ug/L	3.053	20.93	ug/L	3.053	14.59%
Na 589.592†	8982.1	1220	ug/L	8.3	1220	ug/L	8.3	0.68%
Ni 231.604†	3127.9	453.6	ug/L	2.58	453.6	ug/L	2.58	0.57%
Pb 220.353†	1496.1	1131	ug/L	0.4	1131	ug/L	0.4	0.04%
Sb 206.836†	-13.2	3.332	ug/L	0.6219	3.332	ug/L	0.6219	18.67%
Se 196.026†	-73.6	-39.58	ug/L	36.841	-39.58	ug/L	36.841	93.09%
V 311.071†	26516.5	139.0	ug/L	1.14	139.0	ug/L	1.14	0.82%
Sn 189.927†	360.1	254.9	ug/L	2.28	254.9	ug/L	2.28	0.89%
Sr 421.552†	349274.0	489.4	ug/L	3.54	489.4	ug/L	3.54	0.72%
Tl 190.801†	-61.4	-2.969	ug/L	2.9040	-2.969	ug/L	2.9040	97.82%
Zn 206.200†	26027.9	2726	ug/L	21.4	2726	ug/L	21.4	0.79%
Ti 334.940†	967645.8	1980	ug/L	12.4	1980	ug/L	12.4	0.63%
B 249.772†	23233.8	252.5	ug/L	6.87	252.5	ug/L	6.87	2.72%
Cu 324.752†	219828.8	931.1	ug/L	3.95	931.1	ug/L	3.95	0.42%
S 181.975†	-90.8	-48.97	ug/L	54.943	-48.97	ug/L	54.943	112.19%
Zr 343.823†	2047.4	4.464	ug/L	0.0213	4.464	ug/L	0.0213	0.48%
Li 670.784†	9617.8	48.92	ug/L	0.806	48.92	ug/L	0.806	1.65%

Sequence No.: 17 Autosampler Location: 45
Sample ID: 220-16006-a-43-a Date Collected: 7/20/2011 11:50:30 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: 220-16006-a-43-a

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	755320.2	1.002	mg/L	0.0116				1.16%
Y (radial)	101796.3	1.051	mg/L	0.0039				0.37%
Ag 328.068†	-853.4	-2.340	ug/L	0.2101	-2.340	ug/L	0.2101	8.98%
Al 396.153†	401919.7	49370	ug/L	692.3	49370	ug/L	692.3	1.40%
As 188.979†	10.0	18.99	ug/L	6.760	18.99	ug/L	6.760	35.59%
Ba 233.527†	13615.4	251.0	ug/L	4.40	251.0	ug/L	4.40	1.75%
Be 313.107†	-7551.5	1.252	ug/L	0.0843	1.252	ug/L	0.0843	6.74%
Ca 317.933†	1994802.6	278900	ug/L	1533.2	278900	ug/L	1533.2	0.55%
Cd 214.440†	145.4	2.463	ug/L	0.2174	2.463	ug/L	0.2174	8.83%
Co 228.616†	344.9	22.38	ug/L	0.450	22.38	ug/L	0.450	2.01%
Cr 267.716†	2354.9	116.9	ug/L	2.18	116.9	ug/L	2.18	1.86%
Fe 238.204†	142052.9	74770	ug/L	247.0	74770	ug/L	247.0	0.33%
K 766.490†	19048.0	3385	ug/L	46.1	3385	ug/L	46.1	1.36%
Mg 285.213†	387315.9	38820	ug/L	425.2	38820	ug/L	425.2	1.10%
Mn 257.610†	420975.2	1192	ug/L	0.1	1192	ug/L	0.1	0.01%
Mo 202.031†	-8.4	0.808	ug/L	0.1711	0.808	ug/L	0.1711	21.16%
Na 589.592†	6325.3	859.1	ug/L	3.48	859.1	ug/L	3.48	0.40%
Ni 231.604†	455.9	65.51	ug/L	1.563	65.51	ug/L	1.563	2.39%
Pb 220.353†	344.0	258.3	ug/L	11.25	258.3	ug/L	11.25	4.36%
Sb 206.836†	-47.0	-8.531	ug/L	2.9148	-8.531	ug/L	2.9148	34.17%
Se 196.026†	-77.1	-43.86	ug/L	10.731	-43.86	ug/L	10.731	24.47%
V 311.071†	25309.4	130.9	ug/L	0.25	130.9	ug/L	0.25	0.19%

Sn 189.927†	2.0	23.61	ug/L	0.068	23.61	ug/L	0.068	0.29%
Sr 421.552†	500899.1	701.2	ug/L	8.22	701.2	ug/L	8.22	1.17%
Tl 190.801†	-69.1	-4.903	ug/L	12.3484	-4.903	ug/L	12.3484	251.85%
Zn 206.200†	3918.7	410.9	ug/L	6.14	410.9	ug/L	6.14	1.49%
Ti 334.940†	1085166.2	2220	ug/L	0.7	2220	ug/L	0.7	0.03%
B 249.772†	10742.4	42.22	ug/L	6.818	42.22	ug/L	6.818	16.15%
Cu 324.752†	55625.9	240.9	ug/L	0.71	240.9	ug/L	0.71	0.30%
S 181.975†	253.2	3585	ug/L	3.8	3585	ug/L	3.8	0.11%
Zr 343.823†	4645.2	19.07	ug/L	0.402	19.07	ug/L	0.402	2.11%
Li 670.784†	8227.6	41.85	ug/L	0.043	41.85	ug/L	0.043	0.10%

Sequence No.: 18
Sample ID: 220-16006-a-44-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 7/20/2011 11:53:38 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-44-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	796310.9	1.057	mg/L	0.0122				1.15%
Y (radial)	104437.0	1.079	mg/L	0.0101				0.93%
Ag 328.068†	-573.0	-0.537	ug/L	0.1806	-0.537	ug/L	0.1806	33.62%
Al 396.153†	393747.2	48360	ug/L	812.7	48360	ug/L	812.7	1.68%
As 188.979†	6.3	18.29	ug/L	8.722	18.29	ug/L	8.722	47.68%
Ba 233.527†	8024.5	147.6	ug/L	2.65	147.6	ug/L	2.65	1.80%
Be 313.107†	-4951.8	1.344	ug/L	0.0598	1.344	ug/L	0.0598	4.45%
Ca 317.933†	182057.2	25450	ug/L	40.3	25450	ug/L	40.3	0.16%
Cd 214.440†	1309.6	39.44	ug/L	1.247	39.44	ug/L	1.247	3.16%
Co 228.616†	305.1	20.49	ug/L	0.070	20.49	ug/L	0.070	0.34%
Cr 267.716†	16566.8	810.1	ug/L	2.22	810.1	ug/L	2.22	0.27%
Fe 238.204†	130949.5	68920	ug/L	120.9	68920	ug/L	120.9	0.18%
K 766.490†	16695.1	2967	ug/L	5.3	2967	ug/L	5.3	0.18%
Mg 285.213†	74993.0	7557	ug/L	3.6	7557	ug/L	3.6	0.05%
Mn 257.610†	164442.0	465.9	ug/L	1.64	465.9	ug/L	1.64	0.35%
Mo 202.031†	282.9	73.50	ug/L	1.033	73.50	ug/L	1.033	1.41%
Na 589.592†	599.9	81.48	ug/L	12.872	81.48	ug/L	12.872	15.80%
Ni 231.604†	2225.1	322.9	ug/L	6.42	322.9	ug/L	6.42	1.99%
Pb 220.353†	149.4	111.1	ug/L	0.96	111.1	ug/L	0.96	0.87%
Sb 206.836†	5.1	-6.236	ug/L	0.9096	-6.236	ug/L	0.9096	14.58%
Se 196.026†	-35.9	-30.10	ug/L	21.880	-30.10	ug/L	21.880	72.69%
V 311.071†	21073.3	110.0	ug/L	0.06	110.0	ug/L	0.06	0.05%
Sn 189.927†	8.4	14.44	ug/L	2.457	14.44	ug/L	2.457	17.01%
Sr 421.552†	320907.8	451.4	ug/L	8.27	451.4	ug/L	8.27	1.83%
Tl 190.801†	-36.4	1.123	ug/L	1.8213	1.123	ug/L	1.8213	162.22%
Zn 206.200†	11789.0	1240	ug/L	24.0	1240	ug/L	24.0	1.93%
Ti 334.940†	777716.8	1591	ug/L	0.2	1591	ug/L	0.2	0.01%
B 249.772†	8011.9	-24.82	ug/L	4.120	-24.82	ug/L	4.120	16.60%
Cu 324.752†	20591.4	94.21	ug/L	1.308	94.21	ug/L	1.308	1.39%
S 181.975†	-123.4	-943.8	ug/L	28.78	-943.8	ug/L	28.78	3.05%
Zr 343.823†	846.9	1.747	ug/L	0.0608	1.747	ug/L	0.0608	3.48%
Li 670.784†	7573.2	38.52	ug/L	0.147	38.52	ug/L	0.147	0.38%

Sequence No.: 19
Sample ID: 220-16006-a-48-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 7/20/2011 11:56:44 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-48-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	792633.4	1.052	mg/L	0.0014				0.14%
Y (radial)	105846.9	1.093	mg/L	0.0109				0.99%
Ag 328.068†	-827.1	-0.603	ug/L	0.0413	-0.603	ug/L	0.0413	6.85%
Al 396.153†	487434.8	59870	ug/L	2021.5	59870	ug/L	2021.5	3.38%
As 188.979†	18.3	37.15	ug/L	0.903	37.15	ug/L	0.903	2.43%
Ba 233.527†	13675.8	251.9	ug/L	2.33	251.9	ug/L	2.33	0.93%

Be 313.107†	-4675.9	2.012 ug/L	0.0580	2.012 ug/L	0.0580	2.88%
Ca 317.933†	253405.6	35430 ug/L	64.7	35430 ug/L	64.7	0.18%
Cd 214.440†	443.0	11.15 ug/L	0.242	11.15 ug/L	0.242	2.17%
Co 228.616†	426.9	29.55 ug/L	0.575	29.55 ug/L	0.575	1.95%
Cr 267.716†	18699.1	915.0 ug/L	0.74	915.0 ug/L	0.74	0.08%
Fe 238.204†	190340.6	100200 ug/L	123.5	100200 ug/L	123.5	0.12%
K 766.490†	15595.6	2771 ug/L	11.3	2771 ug/L	11.3	0.41%
Mg 285.213†	243968.0	24490 ug/L	23.2	24490 ug/L	23.2	0.09%
Mn 257.610†	360165.6	1020 ug/L	2.0	1020 ug/L	2.0	0.20%
Mo 202.031†	4.4	5.017 ug/L	0.1093	5.017 ug/L	0.1093	2.18%
Na 589.592†	1708.0	232.0 ug/L	0.55	232.0 ug/L	0.55	0.24%
Ni 231.604†	841.0	121.2 ug/L	0.27	121.2 ug/L	0.27	0.22%
Pb 220.353†	643.5	484.6 ug/L	2.22	484.6 ug/L	2.22	0.46%
Sb 206.836†	63.5	39.83 ug/L	4.763	39.83 ug/L	4.763	11.96%
Se 196.026†	-46.6	-31.70 ug/L	5.711	-31.70 ug/L	5.711	18.02%
V 311.071†	37632.9	209.7 ug/L	0.10	209.7 ug/L	0.10	0.05%
Sn 189.927†	357.8	246.8 ug/L	6.04	246.8 ug/L	6.04	2.45%
Sr 421.552†	45382.7	63.38 ug/L	0.074	63.38 ug/L	0.074	0.12%
Tl 190.801†	-47.9	-3.127 ug/L	3.3825	-3.127 ug/L	3.3825	108.18%
Zn 206.200†	15061.7	1583 ug/L	2.8	1583 ug/L	2.8	0.18%
Ti 334.940†	828117.9	1694 ug/L	3.6	1694 ug/L	3.6	0.21%
B 249.772†	11856.7	-28.96 ug/L	0.518	-28.96 ug/L	0.518	1.79%
Cu 324.752†	121613.7	518.9 ug/L	0.15	518.9 ug/L	0.15	0.03%
S 181.975†	-387.3	-2936 ug/L	6.3	-2936 ug/L	6.3	0.21%
Zr 343.823†	876.6	0.678 ug/L	0.1045	0.678 ug/L	0.1045	15.42%
Li 670.784†	9446.4	48.04 ug/L	0.191	48.04 ug/L	0.191	0.40%

Sequence No.: 20 **Autosampler Location: 7**
Sample ID: CCV **Date Collected: 7/20/2011 11:59:49 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	774571.6	1.028	mg/L	0.0028				0.27%
Y (radial)	98409.9	1.016	mg/L	0.0090				0.88%
Ag 328.068†	34066.7	245.9	ug/L	0.58	245.9	ug/L	0.58	0.24%
QC value within limits for Ag 328.068 Recovery = 98.37%								
Al 396.153†	41119.8	5028	ug/L	14.7	5028	ug/L	14.7	0.29%
QC value within limits for Al 396.153 Recovery = 100.56%								
As 188.979†	414.1	527.6	ug/L	4.85	527.6	ug/L	4.85	0.92%
QC value within limits for As 188.979 Recovery = 105.52%								
Ba 233.527†	27221.2	504.4	ug/L	0.33	504.4	ug/L	0.33	0.07%
QC value within limits for Ba 233.527 Recovery = 100.88%								
Be 313.107†	521184.3	508.8	ug/L	0.86	508.8	ug/L	0.86	0.17%
QC value within limits for Be 313.107 Recovery = 101.75%								
Ca 317.933†	133910.7	18720	ug/L	44.4	18720	ug/L	44.4	0.24%
QC value within limits for Ca 317.933 Recovery = 101.20%								
Cd 214.440†	16329.0	516.2	ug/L	1.61	516.2	ug/L	1.61	0.31%
QC value within limits for Cd 214.440 Recovery = 103.23%								
Co 228.616†	5980.8	515.3	ug/L	0.07	515.3	ug/L	0.07	0.01%
QC value within limits for Co 228.616 Recovery = 103.07%								
Cr 267.716†	10490.5	512.8	ug/L	1.47	512.8	ug/L	1.47	0.29%
QC value within limits for Cr 267.716 Recovery = 102.56%								
Fe 238.204†	10818.3	5694	ug/L	25.3	5694	ug/L	25.3	0.44%
QC value within limits for Fe 238.204 Recovery = 103.53%								
K 766.490†	227610.3	40450	ug/L	214.4	40450	ug/L	214.4	0.53%
QC value within limits for K 766.490 Recovery = 101.11%								
Mg 285.213†	196009.0	19620	ug/L	23.0	19620	ug/L	23.0	0.12%
QC value within limits for Mg 285.213 Recovery = 106.05%								
Mn 257.610†	178124.0	504.2	ug/L	0.51	504.2	ug/L	0.51	0.10%
QC value within limits for Mn 257.610 Recovery = 100.83%								
Mo 202.031†	1971.5	493.7	ug/L	0.62	493.7	ug/L	0.62	0.13%
QC value within limits for Mo 202.031 Recovery = 98.73%								
Na 589.592†	293912.6	39920	ug/L	120.9	39920	ug/L	120.9	0.30%
QC value within limits for Na 589.592 Recovery = 99.80%								
Ni 231.604†	3600.8	524.3	ug/L	1.58	524.3	ug/L	1.58	0.30%
QC value within limits for Ni 231.604 Recovery = 104.85%								

Pb 220.353†	670.2	511.1 ug/L	12.92	511.1 ug/L	12.92	2.53%
QC value within limits for Pb 220.353 Recovery = 102.22%						
Sb 206.836†	637.3	501.9 ug/L	5.33	501.9 ug/L	5.33	1.06%
QC value within limits for Sb 206.836 Recovery = 100.38%						
Se 196.026†	210.9	485.6 ug/L	16.72	485.6 ug/L	16.72	3.44%
QC value within limits for Se 196.026 Recovery = 97.12%						
V 311.071†	79955.3	483.1 ug/L	0.32	483.1 ug/L	0.32	0.07%
QC value within limits for V 311.071 Recovery = 96.63%						
Sn 189.927†	767.3	511.5 ug/L	3.03	511.5 ug/L	3.03	0.59%
QC value within limits for Sn 189.927 Recovery = 102.29%						
Sr 421.552†	357437.5	502.9 ug/L	0.59	502.9 ug/L	0.59	0.12%
QC value within limits for Sr 421.552 Recovery = 100.59%						
Tl 190.801†	684.1	527.6 ug/L	1.76	527.6 ug/L	1.76	0.33%
QC value within limits for Tl 190.801 Recovery = 105.52%						
Zn 206.200†	4916.4	518.7 ug/L	0.60	518.7 ug/L	0.60	0.11%
QC value within limits for Zn 206.200 Recovery = 103.73%						
Ti 334.940†	248604.9	508.6 ug/L	0.31	508.6 ug/L	0.31	0.06%
QC value within limits for Ti 334.940 Recovery = 101.73%						
B 249.772†	14129.1	451.9 ug/L	0.38	451.9 ug/L	0.38	0.08%
QC value within limits for B 249.772 Recovery = 90.38%						
Cu 324.752†	121097.2	505.3 ug/L	1.65	505.3 ug/L	1.65	0.33%
QC value within limits for Cu 324.752 Recovery = 101.05%						
S 181.975†	1003.3	10130 ug/L	12.1	10130 ug/L	12.1	0.12%
QC value within limits for S 181.975 Recovery = 101.27%						
Zr 343.823†	103921.4	480.3 ug/L	0.72	480.3 ug/L	0.72	0.15%
QC value within limits for Zr 343.823 Recovery = 96.06%						
Li 670.784†	99018.7	503.6 ug/L	5.32	503.6 ug/L	5.32	1.06%
QC value within limits for Li 670.784 Recovery = 100.72%						

All analyte(s) passed QC.

Sequence No.: 21
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/20/2011 12:03:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	771525.0	1.024	mg/L	0.0014				0.13%
Y (radial)	99910.5	1.032	mg/L	0.0035				0.34%
Ag 328.068†	-9.3	-0.071	ug/L	0.2274	-0.071	ug/L	0.2274	321.26%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	40.4	5.009	ug/L	2.5066	5.009	ug/L	2.5066	50.04%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-2.9	-3.650	ug/L	7.2795	-3.650	ug/L	7.2795	199.45%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	14.7	0.271	ug/L	0.2812	0.271	ug/L	0.2812	103.69%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	41.6	0.041	ug/L	0.0422	0.041	ug/L	0.0422	103.28%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	4.5	0.636	ug/L	3.1109	0.636	ug/L	3.1109	489.40%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	-9.5	-0.301	ug/L	0.0731	-0.301	ug/L	0.0731	24.26%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-9.2	-0.796	ug/L	0.6406	-0.796	ug/L	0.6406	80.51%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-11.4	-0.555	ug/L	0.3785	-0.555	ug/L	0.3785	68.18%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Fe 238.204†	7.7	4.066	ug/L	1.2528	4.066	ug/L	1.2528	30.81%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	-126.7	-22.52	ug/L	11.093	-22.52	ug/L	11.093	49.27%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	9.2	0.926	ug/L	0.1852	0.926	ug/L	0.1852	20.01%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	-1.9	-0.005	ug/L	0.0375	-0.005	ug/L	0.0375	691.85%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-3.6	-0.905	ug/L	0.7018	-0.905	ug/L	0.7018	77.54%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-965.5	-131.1	ug/L	8.28	-131.1	ug/L	8.28	6.32%

QC value within limits for Na 589.592 Recovery = Not calculated

Ni 231.604†	-3.5	-0.514 ug/L	1.5790	-0.514 ug/L	1.5790	307.22%

QC value within limits for Ni 231.604 Recovery = Not calculated

Pb 220.353†	-3.0	-2.317 ug/L	0.1482	-2.317 ug/L	0.1482	6.39%

QC value within limits for Pb 220.353 Recovery = Not calculated

Sb 206.836†	3.4	2.646 ug/L	0.5705	2.646 ug/L	0.5705	21.56%

QC value within limits for Sb 206.836 Recovery = Not calculated

Se 196.026†	-2.1	-4.765 ug/L	3.9966	-4.765 ug/L	3.9966	83.87%

QC value within limits for Se 196.026 Recovery = Not calculated

V 311.071†	21.4	0.128 ug/L	0.7875	0.128 ug/L	0.7875	617.09%

QC value within limits for V 311.071 Recovery = Not calculated

Sn 189.927†	-0.7	-0.457 ug/L	0.5799	-0.457 ug/L	0.5799	126.86%

QC value within limits for Sn 189.927 Recovery = Not calculated

Sr 421.552†	66.6	0.094 ug/L	0.0575	0.094 ug/L	0.0575	61.32%

QC value within limits for Sr 421.552 Recovery = Not calculated

Tl 190.801†	0.9	0.657 ug/L	4.6467	0.657 ug/L	4.6467	707.61%

QC value within limits for Tl 190.801 Recovery = Not calculated

Zn 206.200†	1.4	0.142 ug/L	0.2761	0.142 ug/L	0.2761	194.54%

QC value within limits for Zn 206.200 Recovery = Not calculated

Ti 334.940†	59.9	0.123 ug/L	0.1256	0.123 ug/L	0.1256	102.48%

QC value within limits for Ti 334.940 Recovery = Not calculated

B 249.772†	96.6	3.239 ug/L	0.4083	3.239 ug/L	0.4083	12.61%

QC value within limits for B 249.772 Recovery = Not calculated

Cu 324.752†	98.1	0.409 ug/L	0.0170	0.409 ug/L	0.0170	4.16%

QC value within limits for Cu 324.752 Recovery = Not calculated

S 181.975†	-2.2	-20.76 ug/L	32.617	-20.76 ug/L	32.617	157.11%

QC value within limits for S 181.975 Recovery = Not calculated

Zr 343.823†	112.9	0.561 ug/L	0.1131	0.561 ug/L	0.1131	20.15%

QC value within limits for Zr 343.823 Recovery = Not calculated

Li 670.784†	-31.3	-0.159 ug/L	0.4128	-0.159 ug/L	0.4128	259.22%

QC value within limits for Li 670.784 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 22
Sample ID: 220-16006-a-50-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 48
Date Collected: 7/20/2011 12:06:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-50-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	780556.5	1.036	mg/L	0.0080				0.77%
Y (radial)	101648.7	1.050	mg/L	0.0096				0.92%
Ag 328.068†	-897.0	-0.674	ug/L	0.0612	-0.674	ug/L	0.0612	9.07%
Al 396.153†	570289.0	70050	ug/L	76.9	70050	ug/L	76.9	0.11%
As 188.979†	21.0	38.19	ug/L	1.894	38.19	ug/L	1.894	4.96%
Ba 233.527†	16179.1	297.9	ug/L	2.23	297.9	ug/L	2.23	0.75%
Be 313.107†	-913.9	6.204	ug/L	0.0943	6.204	ug/L	0.0943	1.52%
Ca 317.933†	504527.0	70540	ug/L	136.6	70540	ug/L	136.6	0.19%
Cd 214.440†	267.3	5.237	ug/L	0.3548	5.237	ug/L	0.3548	6.77%
Co 228.616†	974.6	76.04	ug/L	0.891	76.04	ug/L	0.891	1.17%
Cr 267.716†	9388.7	460.9	ug/L	3.65	460.9	ug/L	3.65	0.79%
Fe 238.204†	214056.2	112700	ug/L	236.2	112700	ug/L	236.2	0.21%
K 766.490†	17442.8	3100	ug/L	17.2	3100	ug/L	17.2	0.55%
Mg 285.213†	414708.0	41580	ug/L	134.4	41580	ug/L	134.4	0.32%
Mn 257.610†	607504.4	1721	ug/L	3.3	1721	ug/L	3.3	0.19%
Mo 202.031†	50.5	17.03	ug/L	1.915	17.03	ug/L	1.915	11.24%
Na 589.592†	3933.8	534.3	ug/L	8.34	534.3	ug/L	8.34	1.56%
Ni 231.604†	3964.0	575.4	ug/L	2.83	575.4	ug/L	2.83	0.49%
Pb 220.353†	1226.4	927.6	ug/L	13.96	927.6	ug/L	13.96	1.50%
Sb 206.836†	-0.7	1.282	ug/L	3.0145	1.282	ug/L	3.0145	235.16%
Se 196.026†	-56.4	-35.37	ug/L	1.948	-35.37	ug/L	1.948	5.51%
V 311.071†	29702.2	159.2	ug/L	0.18	159.2	ug/L	0.18	0.12%
Sn 189.927†	396.5	274.5	ug/L	2.80	274.5	ug/L	2.80	1.02%
Sr 421.552†	77242.6	107.7	ug/L	0.67	107.7	ug/L	0.67	0.62%
Tl 190.801†	-62.6	-10.50	ug/L	1.194	-10.50	ug/L	1.194	11.36%
Zn 206.200†	21208.5	2223	ug/L	3.6	2223	ug/L	3.6	0.16%
Ti 334.940†	895535.5	1832	ug/L	3.2	1832	ug/L	3.2	0.18%
B 249.772†	14387.6	2.951	ug/L	3.8230	2.951	ug/L	3.8230	129.55%

Cu 324.752†	201876.7	854.9	ug/L	4.27	854.9	ug/L	4.27	0.50%
S 181.975†	-568.8	-4140	ug/L	20.3	-4140	ug/L	20.3	0.49%
Zr 343.823†	1373.2	2.533	ug/L	0.0464	2.533	ug/L	0.0464	1.83%
Li 670.784†	9562.7	48.64	ug/L	0.384	48.64	ug/L	0.384	0.79%

Sequence No.: 23
Sample ID: 220-16006-a-51-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 7/20/2011 12:09:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-51-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	793302.6	1.053	mg/L	0.0130				1.24%
Y (radial)	103763.4	1.072	mg/L	0.0069				0.64%
Ag 328.068†	-442.8	0.539	ug/L	0.1723	0.539	ug/L	0.1723	31.98%
Al 396.153†	377459.7	46370	ug/L	126.1	46370	ug/L	126.1	0.27%
As 188.979†	18.0	32.59	ug/L	1.557	32.59	ug/L	1.557	4.78%
Ba 233.527†	12299.2	226.8	ug/L	3.38	226.8	ug/L	3.38	1.49%
Be 313.107†	-4469.3	1.277	ug/L	0.0499	1.277	ug/L	0.0499	3.91%
Ca 317.933†	97428.1	13620	ug/L	37.2	13620	ug/L	37.2	0.27%
Cd 214.440†	349.2	9.090	ug/L	0.2377	9.090	ug/L	0.2377	2.62%
Co 228.616†	314.4	21.59	ug/L	0.716	21.59	ug/L	0.716	3.32%
Cr 267.716†	13967.4	683.3	ug/L	0.97	683.3	ug/L	0.97	0.14%
Fe 238.204†	129958.4	68400	ug/L	75.6	68400	ug/L	75.6	0.11%
K 766.490†	12880.8	2289	ug/L	27.1	2289	ug/L	27.1	1.18%
Mg 285.213†	109031.6	10960	ug/L	11.8	10960	ug/L	11.8	0.11%
Mn 257.610†	271521.4	769.4	ug/L	1.50	769.4	ug/L	1.50	0.19%
Mo 202.031†	4.6	3.818	ug/L	0.5531	3.818	ug/L	0.5531	14.49%
Na 589.592†	938.9	127.5	ug/L	5.25	127.5	ug/L	5.25	4.12%
Ni 231.604†	541.2	77.98	ug/L	2.777	77.98	ug/L	2.777	3.56%
Pb 220.353†	465.8	351.4	ug/L	9.12	351.4	ug/L	9.12	2.60%
Sb 206.836†	36.0	19.47	ug/L	4.290	19.47	ug/L	4.290	22.04%
Se 196.026†	-23.0	-4.829	ug/L	29.9144	-4.829	ug/L	29.9144	619.44%
V 311.071†	29424.1	162.8	ug/L	0.03	162.8	ug/L	0.03	0.02%
Sn 189.927†	272.0	187.9	ug/L	5.49	187.9	ug/L	5.49	2.92%
Sr 421.552†	29990.5	42.03	ug/L	0.265	42.03	ug/L	0.265	0.63%
Tl 190.801†	-32.7	1.617	ug/L	2.7273	1.617	ug/L	2.7273	168.70%
Zn 206.200†	10107.7	1063	ug/L	16.2	1063	ug/L	16.2	1.53%
Ti 334.940†	709902.9	1452	ug/L	1.4	1452	ug/L	1.4	0.09%
B 249.772†	8032.4	-21.89	ug/L	3.221	-21.89	ug/L	3.221	14.71%
Cu 324.752†	82502.7	352.1	ug/L	0.23	352.1	ug/L	0.23	0.07%
S 181.975†	-189.3	-1466	ug/L	36.1	-1466	ug/L	36.1	2.46%
Zr 343.823†	627.3	0.392	ug/L	0.1847	0.392	ug/L	0.1847	47.13%
Li 670.784†	7155.2	36.39	ug/L	0.441	36.39	ug/L	0.441	1.21%

Sequence No.: 24
Sample ID: 220-16006-a-52-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 7/20/2011 12:12:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-52-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	783137.1	1.039	mg/L	0.0050				0.48%
Y (radial)	100640.7	1.039	mg/L	0.0028				0.27%
Ag 328.068†	-302.9	-0.084	ug/L	0.1878	-0.084	ug/L	0.1878	222.97%
Al 396.153†	140008.4	17200	ug/L	206.4	17200	ug/L	206.4	1.20%
As 188.979†	6.1	11.43	ug/L	2.342	11.43	ug/L	2.342	20.49%
Ba 233.527†	4277.3	78.55	ug/L	1.292	78.55	ug/L	1.292	1.64%
Be 313.107†	-2528.3	0.961	ug/L	0.0143	0.961	ug/L	0.0143	1.48%
Ca 317.933†	7337.5	1026	ug/L	8.7	1026	ug/L	8.7	0.85%
Cd 214.440†	38.5	0.007	ug/L	0.3228	0.007	ug/L	0.3228	>999.9%
Co 228.616†	172.5	11.43	ug/L	1.337	11.43	ug/L	1.337	11.69%
Cr 267.716†	872.2	43.42	ug/L	0.725	43.42	ug/L	0.725	1.67%
Fe 238.204†	80669.0	42460	ug/L	218.4	42460	ug/L	218.4	0.51%

K 766.490†	12670.7	2252	ug/L	5.0	2252	ug/L	5.0	0.22%
Mg 285.213†	33846.3	3419	ug/L	9.5	3419	ug/L	9.5	0.28%
Mn 257.610†	263078.0	745.8	ug/L	1.73	745.8	ug/L	1.73	0.23%
Mo 202.031†	16.1	5.676	ug/L	0.7347	5.676	ug/L	0.7347	12.94%
Na 589.592†	-127.7	-17.35	ug/L	8.007	-17.35	ug/L	8.007	46.16%
Ni 231.604†	143.6	20.43	ug/L	0.442	20.43	ug/L	0.442	2.16%
Pb 220.353†	24.6	15.90	ug/L	2.820	15.90	ug/L	2.820	17.73%
Sb 206.836†	6.1	4.292	ug/L	4.6389	4.292	ug/L	4.6389	108.08%
Se 196.026†	-10.4	3.451	ug/L	0.5819	3.451	ug/L	0.5819	16.86%
V 311.071†	7851.5	37.20	ug/L	0.224	37.20	ug/L	0.224	0.60%
Sn 189.927†	6.6	8.791	ug/L	3.1701	8.791	ug/L	3.1701	36.06%
Sr 421.552†	6840.9	9.616	ug/L	0.0613	9.616	ug/L	0.0613	0.64%
Tl 190.801†	-13.6	5.456	ug/L	7.1053	5.456	ug/L	7.1053	130.23%
Zn 206.200†	527.6	55.55	ug/L	0.080	55.55	ug/L	0.080	0.14%
Ti 334.940†	431788.6	883.4	ug/L	0.15	883.4	ug/L	0.15	0.02%
B 249.772†	4798.6	-19.91	ug/L	2.679	-19.91	ug/L	2.679	13.46%
Cu 324.752†	6003.3	30.19	ug/L	0.017	30.19	ug/L	0.017	0.05%
S 181.975†	-89.1	-742.8	ug/L	68.91	-742.8	ug/L	68.91	9.28%
Zr 343.823†	1368.0	5.045	ug/L	0.0414	5.045	ug/L	0.0414	0.82%
Li 670.784†	2892.8	14.71	ug/L	0.401	14.71	ug/L	0.401	2.72%

Sequence No.: 25
Sample ID: 220-16006-a-56-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 51
Date Collected: 7/20/2011 12:15:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-56-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	772612.6	1.025	mg/L	0.0068				0.66%
Y (radial)	104639.9	1.081	mg/L	0.0068				0.63%
Ag 328.068†	-548.8	-0.221	ug/L	0.0914	-0.221	ug/L	0.0914	41.41%
Al 396.153†	315260.9	38720	ug/L	699.6	38720	ug/L	699.6	1.81%
As 188.979†	20.1	31.71	ug/L	3.934	31.71	ug/L	3.934	12.41%
Ba 233.527†	10187.0	187.5	ug/L	1.23	187.5	ug/L	1.23	0.66%
Be 313.107†	-2476.3	1.608	ug/L	0.0311	1.608	ug/L	0.0311	1.94%
Ca 317.933†	120842.9	16900	ug/L	24.8	16900	ug/L	24.8	0.15%
Cd 214.440†	274.3	6.611	ug/L	0.4379	6.611	ug/L	0.4379	6.62%
Co 228.616†	261.0	17.66	ug/L	0.274	17.66	ug/L	0.274	1.55%
Cr 267.716†	1872.3	92.90	ug/L	0.457	92.90	ug/L	0.457	0.49%
Fe 238.204†	137270.6	72250	ug/L	223.5	72250	ug/L	223.5	0.31%
K 766.490†	11244.4	1998	ug/L	13.7	1998	ug/L	13.7	0.69%
Mg 285.213†	93634.0	9425	ug/L	1.9	9425	ug/L	1.9	0.02%
Mn 257.610†	192111.9	544.3	ug/L	1.59	544.3	ug/L	1.59	0.29%
Mo 202.031†	1.8	3.271	ug/L	0.3425	3.271	ug/L	0.3425	10.47%
Na 589.592†	221.8	30.13	ug/L	7.388	30.13	ug/L	7.388	24.52%
Ni 231.604†	301.6	43.08	ug/L	0.977	43.08	ug/L	0.977	2.27%
Pb 220.353†	833.9	630.4	ug/L	3.59	630.4	ug/L	3.59	0.57%
Sb 206.836†	-7.1	-5.045	ug/L	3.2874	-5.045	ug/L	3.2874	65.16%
Se 196.026†	-34.3	-26.94	ug/L	5.373	-26.94	ug/L	5.373	19.94%
V 311.071†	19949.7	109.2	ug/L	0.09	109.2	ug/L	0.09	0.08%
Sn 189.927†	10.3	12.61	ug/L	0.813	12.61	ug/L	0.813	6.45%
Sr 421.552†	24980.0	34.93	ug/L	0.100	34.93	ug/L	0.100	0.29%
Tl 190.801†	-28.2	-0.396	ug/L	1.9936	-0.396	ug/L	1.9936	503.00%
Zn 206.200†	7407.3	775.7	ug/L	5.63	775.7	ug/L	5.63	0.73%
Ti 334.940†	506995.4	1037	ug/L	0.4	1037	ug/L	0.4	0.04%
B 249.772†	8659.4	-17.23	ug/L	2.541	-17.23	ug/L	2.541	14.75%
Cu 324.752†	20233.4	93.12	ug/L	0.787	93.12	ug/L	0.787	0.84%
S 181.975†	-72.5	-403.1	ug/L	5.01	-403.1	ug/L	5.01	1.24%
Zr 343.823†	760.2	0.992	ug/L	0.0158	0.992	ug/L	0.0158	1.59%
Li 670.784†	5506.5	28.01	ug/L	0.100	28.01	ug/L	0.100	0.36%

Sequence No.: 26
Sample ID: 220-16006-a-57-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 7/20/2011 12:18:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-57-a

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	795635.6	1.056	mg/L	0.0014				0.13%
Y (radial)	102954.5	1.063	mg/L	0.0116				1.09%
Ag 328.068†	-820.1	-0.942	ug/L	0.2867	-0.942	ug/L	0.2867	30.45%
Al 396.153†	638440.8	78420	ug/L	268.0	78420	ug/L	268.0	0.34%
As 188.979†	14.9	26.66	ug/L	0.152	26.66	ug/L	0.152	0.57%
Ba 233.527†	20098.2	370.6	ug/L	1.58	370.6	ug/L	1.58	0.43%
Be 313.107†	-7365.0	1.742	ug/L	0.0287	1.742	ug/L	0.0287	1.64%
Ca 317.933†	125921.7	17610	ug/L	62.8	17610	ug/L	62.8	0.36%
Cd 214.440†	516.2	13.58	ug/L	0.073	13.58	ug/L	0.073	0.54%
Co 228.616†	487.9	33.82	ug/L	1.455	33.82	ug/L	1.455	4.30%
Cr 267.716†	3540.3	174.9	ug/L	1.35	174.9	ug/L	1.35	0.77%
Fe 238.204†	182606.5	96110	ug/L	265.1	96110	ug/L	265.1	0.28%
K 766.490†	18781.5	3337	ug/L	19.1	3337	ug/L	19.1	0.57%
Mg 285.213†	179096.0	17990	ug/L	27.9	17990	ug/L	27.9	0.15%
Mn 257.610†	355325.4	1007	ug/L	0.4	1007	ug/L	0.4	0.04%
Mo 202.031†	-7.0	1.991	ug/L	1.2046	1.991	ug/L	1.2046	60.50%
Na 589.592†	2226.5	302.4	ug/L	7.84	302.4	ug/L	7.84	2.59%
Ni 231.604†	423.6	60.59	ug/L	1.034	60.59	ug/L	1.034	1.71%
Pb 220.353†	1074.8	814.7	ug/L	7.01	814.7	ug/L	7.01	0.86%
Sb 206.836†	-3.9	-3.855	ug/L	0.8073	-3.855	ug/L	0.8073	20.94%
Se 196.026†	-38.4	-21.03	ug/L	17.258	-21.03	ug/L	17.258	82.08%
V 311.071†	27648.0	141.5	ug/L	0.88	141.5	ug/L	0.88	0.62%
Sn 189.927†	1.0	12.71	ug/L	3.193	12.71	ug/L	3.193	25.11%
Sr 421.552†	27978.0	39.14	ug/L	0.173	39.14	ug/L	0.173	0.44%
Tl 190.801†	-46.7	5.135	ug/L	3.0078	5.135	ug/L	3.0078	58.58%
Zn 206.200†	5293.2	555.2	ug/L	2.15	555.2	ug/L	2.15	0.39%
Ti 334.940†	1124170.5	2300	ug/L	0.0	2300	ug/L	0.0	0.00%
B 249.772†	12922.2	24.38	ug/L	1.608	24.38	ug/L	1.608	6.60%
Cu 324.752†	18653.8	89.45	ug/L	0.068	89.45	ug/L	0.068	0.08%
S 181.975†	-326.7	-2558	ug/L	201.9	-2558	ug/L	201.9	7.89%
Zr 343.823†	1446.1	3.182	ug/L	0.0037	3.182	ug/L	0.0037	0.12%
Li 670.784†	11004.5	55.97	ug/L	1.639	55.97	ug/L	1.639	2.93%

Sequence No.: 27
Sample ID: 220-16006-a-57-b du
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 7/20/2011 12:21:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-57-b du

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	784404.8	1.041	mg/L	0.0213				2.05%
Y (radial)	103358.4	1.067	mg/L	0.0036				0.34%
Ag 328.068†	-884.3	-1.132	ug/L	0.2181	-1.132	ug/L	0.2181	19.26%
Al 396.153†	557443.8	68470	ug/L	1278.4	68470	ug/L	1278.4	1.87%
As 188.979†	23.1	37.76	ug/L	3.487	37.76	ug/L	3.487	9.23%
Ba 233.527†	12049.4	221.6	ug/L	4.43	221.6	ug/L	4.43	2.00%
Be 313.107†	-5979.0	1.768	ug/L	0.0721	1.768	ug/L	0.0721	4.08%
Ca 317.933†	267221.2	37360	ug/L	227.8	37360	ug/L	227.8	0.61%
Cd 214.440†	525.6	13.69	ug/L	0.308	13.69	ug/L	0.308	2.25%
Co 228.616†	670.0	49.83	ug/L	0.839	49.83	ug/L	0.839	1.68%
Cr 267.716†	2784.2	138.2	ug/L	2.76	138.2	ug/L	2.76	2.00%
Fe 238.204†	194870.9	102600	ug/L	385.3	102600	ug/L	385.3	0.38%
K 766.490†	16651.7	2959	ug/L	43.3	2959	ug/L	43.3	1.46%
Mg 285.213†	286959.0	28790	ug/L	31.5	28790	ug/L	31.5	0.11%
Mn 257.610†	532275.0	1508	ug/L	1.2	1508	ug/L	1.2	0.08%
Mo 202.031†	-1.8	3.557	ug/L	2.3090	3.557	ug/L	2.3090	64.91%
Na 589.592†	640.0	86.93	ug/L	8.215	86.93	ug/L	8.215	9.45%
Ni 231.604†	386.1	55.07	ug/L	0.472	55.07	ug/L	0.472	0.86%
Pb 220.353†	490.0	368.3	ug/L	5.50	368.3	ug/L	5.50	1.49%
Sb 206.836†	-16.1	-10.69	ug/L	2.685	-10.69	ug/L	2.685	25.12%
Se 196.026†	-46.6	-29.64	ug/L	6.313	-29.64	ug/L	6.313	21.30%
V 311.071†	25396.2	131.4	ug/L	0.17	131.4	ug/L	0.17	0.13%
Sn 189.927†	-4.4	8.300	ug/L	1.2225	8.300	ug/L	1.2225	14.73%
Sr 421.552†	28440.4	39.51	ug/L	0.060	39.51	ug/L	0.060	0.15%

Tl 190.801†	-59.5	-8.308 ug/L	3.8167	-8.308 ug/L	3.8167	45.94%
Zn 206.200†	3184.9	334.4 ug/L	8.45	334.4 ug/L	8.45	2.53%
Ti 334.940†	957344.5	1959 ug/L	4.0	1959 ug/L	4.0	0.21%
B 249.772†	11690.5	-44.76 ug/L	10.099	-44.76 ug/L	10.099	22.56%
Cu 324.752†	17385.9	84.95 ug/L	0.889	84.95 ug/L	0.889	1.05%
S 181.975†	-475.5	-3642 ug/L	7.2	-3642 ug/L	7.2	0.20%
Zr 343.823†	1184.6	2.080 ug/L	0.4250	2.080 ug/L	0.4250	20.43%
Li 670.784†	9498.7	48.31 ug/L	0.463	48.31 ug/L	0.463	0.96%

Sequence No.: 28
Sample ID: 220-16006-a-57-c ms
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 7/20/2011 12:24:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-57-c ms

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	803902.2	1.067	mg/L	0.0008				0.08%
Y (radial)	105478.8	1.089	mg/L	0.0114				1.05%
Ag 328.068†	7583.6	59.27	ug/L	0.234	59.27	ug/L	0.234	0.39%
Al 396.153†	588861.9	72320	ug/L	922.2	72320	ug/L	922.2	1.28%
As 188.979†	174.5	227.9	ug/L	1.85	227.9	ug/L	1.85	0.81%
Ba 233.527†	16247.0	299.6	ug/L	0.86	299.6	ug/L	0.86	0.29%
Be 313.107†	14395.8	23.08	ug/L	0.022	23.08	ug/L	0.022	0.10%
Ca 317.933†	80529.3	11260	ug/L	12.1	11260	ug/L	12.1	0.11%
Cd 214.440†	2456.3	75.19	ug/L	0.004	75.19	ug/L	0.004	0.00%
Co 228.616†	1165.3	92.65	ug/L	0.212	92.65	ug/L	0.212	0.23%
Cr 267.716†	4306.4	212.1	ug/L	0.80	212.1	ug/L	0.80	0.38%
Fe 238.204†	165078.2	86890	ug/L	102.4	86890	ug/L	102.4	0.12%
K 766.490†	46446.2	8253	ug/L	50.0	8253	ug/L	50.0	0.61%
Mg 285.213†	136134.9	13690	ug/L	26.0	13690	ug/L	26.0	0.19%
Mn 257.610†	330208.0	935.7	ug/L	0.03	935.7	ug/L	0.03	0.00%
Mo 202.031†	800.4	203.7	ug/L	1.80	203.7	ug/L	1.80	0.89%
Na 589.592†	10617.5	1442	ug/L	6.0	1442	ug/L	6.0	0.42%
Ni 231.604†	823.0	118.8	ug/L	1.91	118.8	ug/L	1.91	1.61%
Pb 220.353†	853.9	647.6	ug/L	0.29	647.6	ug/L	0.29	0.04%
Sb 206.836†	231.7	182.9	ug/L	4.20	182.9	ug/L	4.20	2.29%
Se 196.026†	14.3	90.34	ug/L	0.023	90.34	ug/L	0.023	0.02%
V 311.071†	36204.4	193.4	ug/L	0.25	193.4	ug/L	0.25	0.13%
Sn 189.927†	304.4	213.6	ug/L	7.05	213.6	ug/L	7.05	3.30%
Sr 421.552†	24550.1	34.40	ug/L	0.031	34.40	ug/L	0.031	0.09%
Tl 190.801†	222.2	209.5	ug/L	3.08	209.5	ug/L	3.08	1.47%
Zn 206.200†	4134.2	434.3	ug/L	2.26	434.3	ug/L	2.26	0.52%
Ti 334.940†	1147076.1	2347	ug/L	0.4	2347	ug/L	0.4	0.02%
B 249.772†	15485.3	150.2	ug/L	2.71	150.2	ug/L	2.71	1.81%
Cu 324.752†	32749.9	147.1	ug/L	0.41	147.1	ug/L	0.41	0.28%
S 181.975†	-264.9	-2102	ug/L	73.3	-2102	ug/L	73.3	3.49%
Zr 343.823†	19257.3	85.13	ug/L	0.171	85.13	ug/L	0.171	0.20%
Li 670.784†	9397.9	47.80	ug/L	0.178	47.80	ug/L	0.178	0.37%

Sequence No.: 29
Sample ID: 220-16006-a-57-d msd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 7/20/2011 12:27:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-57-d msd

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	807955.2	1.072	mg/L	0.0167				1.55%
Y (radial)	104995.3	1.084	mg/L	0.0233				2.15%
Ag 328.068†	7669.4	59.37	ug/L	0.387	59.37	ug/L	0.387	0.65%
Al 396.153†	504723.0	61990	ug/L	981.6	61990	ug/L	981.6	1.58%
As 188.979†	168.9	220.4	ug/L	8.34	220.4	ug/L	8.34	3.78%
Ba 233.527†	15664.7	288.9	ug/L	0.14	288.9	ug/L	0.14	0.05%
Be 313.107†	15296.4	22.82	ug/L	0.007	22.82	ug/L	0.007	0.03%
Ca 317.933†	72712.7	10170	ug/L	101.2	10170	ug/L	101.2	1.00%

Cd 214.440†	2348.0	72.00 ug/L	1.079	72.00 ug/L	1.079	1.50%
Co 228.616†	1089.3	87.02 ug/L	1.623	87.02 ug/L	1.623	1.87%
Cr 267.716†	4102.6	202.0 ug/L	2.44	202.0 ug/L	2.44	1.21%
Fe 238.204†	149496.3	78690 ug/L	715.4	78690 ug/L	715.4	0.91%
K 766.490†	44059.2	7829 ug/L	19.4	7829 ug/L	19.4	0.25%
Mg 285.213†	116013.6	11670 ug/L	6.0	11670 ug/L	6.0	0.05%
Mn 257.610†	273955.2	776.2 ug/L	2.76	776.2 ug/L	2.76	0.36%
Mo 202.031†	797.0	202.6 ug/L	2.90	202.6 ug/L	2.90	1.43%
Na 589.592†	10328.7	1403 ug/L	11.9	1403 ug/L	11.9	0.85%
Ni 231.604†	770.8	111.3 ug/L	0.38	111.3 ug/L	0.38	0.34%
Pb 220.353†	837.4	634.9 ug/L	7.69	634.9 ug/L	7.69	1.21%
Sb 206.836†	231.1	182.5 ug/L	3.62	182.5 ug/L	3.62	1.98%
Se 196.026†	29.0	118.2 ug/L	3.01	118.2 ug/L	3.01	2.54%
V 311.071†	33139.3	178.1 ug/L	1.04	178.1 ug/L	1.04	0.58%
Sn 189.927†	307.4	214.1 ug/L	4.32	214.1 ug/L	4.32	2.02%
Sr 421.552†	23321.0	32.69 ug/L	0.024	32.69 ug/L	0.024	0.07%
Tl 190.801†	229.0	209.9 ug/L	2.30	209.9 ug/L	2.30	1.10%
Zn 206.200†	4049.7	425.4 ug/L	3.54	425.4 ug/L	3.54	0.83%
Ti 334.940†	1003595.2	2053 ug/L	5.1	2053 ug/L	5.1	0.25%
B 249.772†	14538.4	153.4 ug/L	9.30	153.4 ug/L	9.30	6.06%
Cu 324.752†	30386.0	136.2 ug/L	0.41	136.2 ug/L	0.41	0.30%
S 181.975†	-233.5	-1865 ug/L	3.2	-1865 ug/L	3.2	0.17%
Zr 343.823†	21477.5	95.83 ug/L	0.811	95.83 ug/L	0.811	0.85%
Li 670.784†	7726.5	39.30 ug/L	0.721	39.30 ug/L	0.721	1.84%

Sequence No.: 30
Sample ID: 220-16006-a-57-a pds
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 7/20/2011 12:30:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-57-a pds

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	788890.6	1.047	mg/L	0.0123				1.17%
Y (radial)	103317.0	1.067	mg/L	0.0075				0.70%
Ag 328.068†	701.3	8.422	ug/L	0.1468	8.422	ug/L	0.1468	1.74%
Al 396.153†	665167.2	81690	ug/L	161.3	81690	ug/L	161.3	0.20%
As 188.979†	175.5	230.0	ug/L	3.23	230.0	ug/L	3.23	1.40%
Ba 233.527†	25366.9	468.2	ug/L	0.76	468.2	ug/L	0.76	0.16%
Be 313.107†	99405.2	106.7	ug/L	0.01	106.7	ug/L	0.01	0.01%
Ca 317.933†	172722.7	24150	ug/L	16.7	24150	ug/L	16.7	0.07%
Cd 214.440†	3735.6	115.3	ug/L	2.11	115.3	ug/L	2.11	1.83%
Co 228.616†	1668.0	135.3	ug/L	2.54	135.3	ug/L	2.54	1.88%
Cr 267.716†	5578.5	274.6	ug/L	4.33	274.6	ug/L	4.33	1.58%
Fe 238.204†	185803.2	97800	ug/L	127.9	97800	ug/L	127.9	0.13%
K 766.490†	55441.2	9852	ug/L	21.4	9852	ug/L	21.4	0.22%
Mg 285.213†	244589.6	24550	ug/L	39.5	24550	ug/L	39.5	0.16%
Mn 257.610†	389186.3	1102	ug/L	0.3	1102	ug/L	0.3	0.03%
Mo 202.031†	1197.3	303.5	ug/L	4.03	303.5	ug/L	4.03	1.33%
Na 589.592†	49132.8	6673	ug/L	16.6	6673	ug/L	16.6	0.25%
Ni 231.604†	1132.1	163.7	ug/L	0.54	163.7	ug/L	0.54	0.33%
Pb 220.353†	1212.5	920.4	ug/L	3.25	920.4	ug/L	3.25	0.35%
Sb 206.836†	384.0	304.4	ug/L	16.03	304.4	ug/L	16.03	5.26%
Se 196.026†	100.3	295.2	ug/L	16.49	295.2	ug/L	16.49	5.59%
V 311.071†	44236.2	238.6	ug/L	0.94	238.6	ug/L	0.94	0.39%
Sn 189.927†	456.3	316.0	ug/L	12.45	316.0	ug/L	12.45	3.94%
Sr 421.552†	95923.0	134.7	ug/L	0.43	134.7	ug/L	0.43	0.32%
Tl 190.801†	340.9	304.7	ug/L	15.53	304.7	ug/L	15.53	5.10%
Zn 206.200†	8140.0	853.9	ug/L	11.33	853.9	ug/L	11.33	1.33%
Ti 334.940†	1271273.8	2601	ug/L	0.8	2601	ug/L	0.8	0.03%
B 249.772†	21680.3	312.4	ug/L	2.33	312.4	ug/L	2.33	0.75%
Cu 324.752†	43903.5	194.9	ug/L	0.19	194.9	ug/L	0.19	0.10%
S 181.975†	-425.2	-3294	ug/L	45.2	-3294	ug/L	45.2	1.37%
Zr 343.823†	67438.5	310.0	ug/L	0.05	310.0	ug/L	0.05	0.01%
Li 670.784†	30352.8	154.4	ug/L	0.65	154.4	ug/L	0.65	0.42%

Sequence No.: 31
Sample ID: 220-16006-a-57-a sd@5

Autosampler Location: 57
Date Collected: 7/20/2011 12:33:58 PM

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-57-a sd@5

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	774467.5	1.028	mg/L	0.0039				0.38%
Y (radial)	103213.7	1.066	mg/L	0.0077				0.73%
Ag 328.068†	-148.5	-0.037	ug/L	0.1512	-0.037	ug/L	0.1512	404.22%
Al 396.153†	129054.7	15850	ug/L	16.8	15850	ug/L	16.8	0.11%
As 188.979†	-0.3	1.204	ug/L	15.3911	1.204	ug/L	15.3911	>999.9%
Ba 233.527†	4336.7	79.97	ug/L	0.183	79.97	ug/L	0.183	0.23%
Be 313.107†	-1545.1	0.350	ug/L	0.0149	0.350	ug/L	0.0149	4.25%
Ca 317.933†	25531.4	3570	ug/L	23.6	3570	ug/L	23.6	0.66%
Cd 214.440†	95.9	2.458	ug/L	0.3298	2.458	ug/L	0.3298	13.42%
Co 228.616†	105.8	7.402	ug/L	0.3271	7.402	ug/L	0.3271	4.42%
Cr 267.716†	737.1	36.41	ug/L	0.245	36.41	ug/L	0.245	0.67%
Fe 238.204†	38182.6	20100	ug/L	64.9	20100	ug/L	64.9	0.32%
K 766.490†	3886.3	690.6	ug/L	14.77	690.6	ug/L	14.77	2.14%
Mg 285.213†	36516.8	3669	ug/L	11.0	3669	ug/L	11.0	0.30%
Mn 257.610†	73955.9	209.5	ug/L	0.30	209.5	ug/L	0.30	0.15%
Mo 202.031†	-7.6	-1.111	ug/L	0.6054	-1.111	ug/L	0.6054	54.47%
Na 589.592†	-538.4	-73.13	ug/L	1.650	-73.13	ug/L	1.650	2.26%
Ni 231.604†	87.8	12.56	ug/L	0.487	12.56	ug/L	0.487	3.88%
Pb 220.353†	231.2	175.2	ug/L	6.64	175.2	ug/L	6.64	3.79%
Sb 206.836†	-6.7	-5.489	ug/L	0.1830	-5.489	ug/L	0.1830	3.33%
Se 196.026†	-11.1	-11.30	ug/L	11.731	-11.30	ug/L	11.731	103.82%
V 311.071†	5720.8	29.24	ug/L	0.338	29.24	ug/L	0.338	1.16%
Sn 189.927†	-3.0	0.534	ug/L	2.3494	0.534	ug/L	2.3494	439.95%
Sr 421.552†	5664.2	7.923	ug/L	0.0314	7.923	ug/L	0.0314	0.40%
Tl 190.801†	3.0	10.74	ug/L	4.320	10.74	ug/L	4.320	40.24%
Zn 206.200†	1160.0	121.7	ug/L	1.16	121.7	ug/L	1.16	0.96%
Ti 334.940†	233876.7	478.5	ug/L	0.38	478.5	ug/L	0.38	0.08%
B 249.772†	2920.7	12.47	ug/L	0.298	12.47	ug/L	0.298	2.39%
Cu 324.752†	3398.8	16.61	ug/L	0.118	16.61	ug/L	0.118	0.71%
S 181.975†	-88.8	-732.0	ug/L	29.85	-732.0	ug/L	29.85	4.08%
Zr 343.823†	497.3	1.612	ug/L	0.0952	1.612	ug/L	0.0952	5.90%
Li 670.784†	2510.6	12.77	ug/L	0.240	12.77	ug/L	0.240	1.88%

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Sequence No.: 32
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 7/20/2011 12:36:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	773552.0	1.027	mg/L	0.0104				1.01%
Y (radial)	99025.8	1.023	mg/L	0.0144				1.41%
Ag 328.068†	33887.6	244.6	ug/L	0.01	244.6	ug/L	0.01	0.01%
QC value within limits for Ag 328.068 Recovery = 97.85%								
Al 396.153†	41203.6	5039	ug/L	0.1	5039	ug/L	0.1	0.00%
QC value within limits for Al 396.153 Recovery = 100.77%								
As 188.979†	410.1	522.5	ug/L	3.72	522.5	ug/L	3.72	0.71%
QC value within limits for As 188.979 Recovery = 104.50%								
Ba 233.527†	27051.6	501.2	ug/L	0.14	501.2	ug/L	0.14	0.03%
QC value within limits for Ba 233.527 Recovery = 100.25%								
Be 313.107†	517336.3	505.0	ug/L	1.91	505.0	ug/L	1.91	0.38%
QC value within limits for Be 313.107 Recovery = 101.00%								
Ca 317.933†	133064.5	18600	ug/L	32.6	18600	ug/L	32.6	0.18%
QC value within limits for Ca 317.933 Recovery = 100.56%								
Cd 214.440†	16140.7	510.2	ug/L	4.66	510.2	ug/L	4.66	0.91%
QC value within limits for Cd 214.440 Recovery = 102.04%								
Co 228.616†	5937.7	511.6	ug/L	4.81	511.6	ug/L	4.81	0.94%
QC value within limits for Co 228.616 Recovery = 102.32%								
Cr 267.716†	10369.0	506.8	ug/L	6.41	506.8	ug/L	6.41	1.26%
QC value within limits for Cr 267.716 Recovery = 101.37%								

Fe 238.204†	10780.3	5674 ug/L	17.4	5674 ug/L	17.4	0.31%
QC value within limits for Fe 238.204 Recovery = 103.17%						
K 766.490†	224103.2	39820 ug/L	495.4	39820 ug/L	495.4	1.24%
QC value within limits for K 766.490 Recovery = 99.56%						
Mg 285.213†	192674.1	19290 ug/L	193.3	19290 ug/L	193.3	1.00%
QC value within limits for Mg 285.213 Recovery = 104.24%						
Mn 257.610†	177187.4	501.5 ug/L	1.32	501.5 ug/L	1.32	0.26%
QC value within limits for Mn 257.610 Recovery = 100.31%						
Mo 202.031†	1944.9	487.0 ug/L	2.56	487.0 ug/L	2.56	0.53%
QC value within limits for Mo 202.031 Recovery = 97.40%						
Na 589.592†	289133.1	39270 ug/L	409.2	39270 ug/L	409.2	1.04%
QC value within limits for Na 589.592 Recovery = 98.18%						
Ni 231.604†	3534.6	514.6 ug/L	3.78	514.6 ug/L	3.78	0.73%
QC value within limits for Ni 231.604 Recovery = 102.93%						
Pb 220.353†	657.0	501.0 ug/L	16.01	501.0 ug/L	16.01	3.20%
QC value within limits for Pb 220.353 Recovery = 100.21%						
Sb 206.836†	631.8	497.6 ug/L	7.04	497.6 ug/L	7.04	1.42%
QC value within limits for Sb 206.836 Recovery = 99.51%						
Se 196.026†	208.4	479.9 ug/L	3.08	479.9 ug/L	3.08	0.64%
QC value within limits for Se 196.026 Recovery = 95.97%						
V 311.071†	79618.3	481.1 ug/L	0.23	481.1 ug/L	0.23	0.05%
QC value within limits for V 311.071 Recovery = 96.22%						
Sn 189.927†	744.9	496.6 ug/L	2.50	496.6 ug/L	2.50	0.50%
QC value within limits for Sn 189.927 Recovery = 99.33%						
Sr 421.552†	349833.4	492.2 ug/L	4.83	492.2 ug/L	4.83	0.98%
QC value within limits for Sr 421.552 Recovery = 98.45%						
Tl 190.801†	673.9	519.8 ug/L	2.49	519.8 ug/L	2.49	0.48%
QC value within limits for Tl 190.801 Recovery = 103.97%						
Zn 206.200†	4856.7	512.4 ug/L	3.18	512.4 ug/L	3.18	0.62%
QC value within limits for Zn 206.200 Recovery = 102.47%						
Ti 334.940†	248244.1	507.9 ug/L	0.35	507.9 ug/L	0.35	0.07%
QC value within limits for Ti 334.940 Recovery = 101.58%						
B 249.772†	13983.0	447.1 ug/L	5.60	447.1 ug/L	5.60	1.25%
QC value less than the lower limit for B 249.772 Recovery = 89.41%						
Cu 324.752†	120774.4	503.9 ug/L	2.28	503.9 ug/L	2.28	0.45%
QC value within limits for Cu 324.752 Recovery = 100.78%						
S 181.975†	984.0	9933 ug/L	67.1	9933 ug/L	67.1	0.68%
QC value within limits for S 181.975 Recovery = 99.33%						
Zr 343.823†	103843.5	480.0 ug/L	0.30	480.0 ug/L	0.30	0.06%
QC value within limits for Zr 343.823 Recovery = 95.99%						
Li 670.784†	97392.1	495.3 ug/L	6.16	495.3 ug/L	6.16	1.24%
QC value within limits for Li 670.784 Recovery = 99.07%						

QC Failed. Continue with analysis.

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Sequence No.: 33 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 7/20/2011 12:40:30 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	781095.9	1.037	mg/L	0.0139				1.34%
Y (radial)	98663.5	1.019	mg/L	0.0233				2.28%
Ag 328.068†	13.5	0.096	ug/L	0.1329	0.096	ug/L	0.1329	137.95%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	45.9	5.658	ug/L	2.5496	5.658	ug/L	2.5496	45.06%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	2.1	2.712	ug/L	11.6904	2.712	ug/L	11.6904	430.99%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	12.7	0.236	ug/L	0.0906	0.236	ug/L	0.0906	38.34%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	11.8	0.012	ug/L	0.0307	0.012	ug/L	0.0307	255.22%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	0.4	0.061	ug/L	0.2398	0.061	ug/L	0.2398	391.05%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	-12.4	-0.394	ug/L	0.3226	-0.394	ug/L	0.3226	81.96%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-7.4	-0.641	ug/L	0.5148	-0.641	ug/L	0.5148	80.25%

QC value within limits for Co 228.616 Recovery = Not calculated							
Cr 267.716†	-1.0	-0.050 ug/L	0.3082	-0.050 ug/L	0.3082	618.54%	
QC value within limits for Cr 267.716 Recovery = Not calculated							
Fe 238.204†	4.7	2.469 ug/L	0.0672	2.469 ug/L	0.0672	2.72%	
QC value within limits for Fe 238.204 Recovery = Not calculated							
K 766.490†	-52.0	-9.236 ug/L	7.5137	-9.236 ug/L	7.5137	81.35%	
QC value within limits for K 766.490 Recovery = Not calculated							
Mg 285.213†	15.5	1.556 ug/L	0.4936	1.556 ug/L	0.4936	31.73%	
QC value within limits for Mg 285.213 Recovery = Not calculated							
Mn 257.610†	-4.9	-0.014 ug/L	0.0144	-0.014 ug/L	0.0144	102.68%	
QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo 202.031†	-1.6	-0.408 ug/L	0.2867	-0.408 ug/L	0.2867	70.23%	
QC value within limits for Mo 202.031 Recovery = Not calculated							
Na 589.592†	-1049.6	-142.6 ug/L	8.52	-142.6 ug/L	8.52	5.98%	
QC value within limits for Na 589.592 Recovery = Not calculated							
Ni 231.604†	-3.4	-0.493 ug/L	1.2151	-0.493 ug/L	1.2151	246.45%	
QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb 220.353†	-1.7	-1.291 ug/L	0.5558	-1.291 ug/L	0.5558	43.05%	
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 206.836†	8.2	6.418 ug/L	6.6270	6.418 ug/L	6.6270	103.25%	
QC value within limits for Sb 206.836 Recovery = Not calculated							
Se 196.026†	1.9	4.319 ug/L	6.8687	4.319 ug/L	6.8687	159.05%	
QC value within limits for Se 196.026 Recovery = Not calculated							
V 311.071†	45.8	0.278 ug/L	0.0435	0.278 ug/L	0.0435	15.66%	
QC value within limits for V 311.071 Recovery = Not calculated							
Sn 189.927†	1.9	1.239 ug/L	4.0569	1.239 ug/L	4.0569	327.41%	
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 421.552†	1.4	0.002 ug/L	0.0436	0.002 ug/L	0.0436	>999.9%	
QC value within limits for Sr 421.552 Recovery = Not calculated							
Tl 190.801†	7.3	5.589 ug/L	5.3019	5.589 ug/L	5.3019	94.87%	
QC value within limits for Tl 190.801 Recovery = Not calculated							
Zn 206.200†	7.5	0.787 ug/L	0.3098	0.787 ug/L	0.3098	39.35%	
QC value within limits for Zn 206.200 Recovery = Not calculated							
Ti 334.940†	68.8	0.141 ug/L	0.0334	0.141 ug/L	0.0334	23.71%	
QC value within limits for Ti 334.940 Recovery = Not calculated							
B 249.772†	94.6	3.177 ug/L	0.0115	3.177 ug/L	0.0115	0.36%	
QC value within limits for B 249.772 Recovery = Not calculated							
Cu 324.752†	-115.4	-0.481 ug/L	0.0329	-0.481 ug/L	0.0329	6.85%	
QC value within limits for Cu 324.752 Recovery = Not calculated							
S 181.975†	-0.3	-2.812 ug/L	17.5083	-2.812 ug/L	17.5083	622.54%	
QC value within limits for S 181.975 Recovery = Not calculated							
Zr 343.823†	86.9	0.381 ug/L	0.1983	0.381 ug/L	0.1983	52.04%	
QC value within limits for Zr 343.823 Recovery = Not calculated							
Li 670.784†	45.7	0.232 ug/L	0.1042	0.232 ug/L	0.1042	44.85%	
QC value within limits for Li 670.784 Recovery = Not calculated							

All analyte(s) passed QC.

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Sequence No.: 34
Sample ID: 220-16006-a-58-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 7/20/2011 12:43:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-58-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 371.029	792252.0	1.051	mg/L	0.0018				0.17%
Y (radial)	103699.5	1.071	mg/L	0.0013				0.12%
Ag 328.068†	-416.9	-0.288	ug/L	0.3002	-0.288	ug/L	0.3002	104.13%
Al 396.153†	257963.4	31690	ug/L	280.6	31690	ug/L	280.6	0.89%
As 188.979†	13.5	21.52	ug/L	2.432	21.52	ug/L	2.432	11.30%
Ba 233.527†	4987.4	91.57	ug/L	0.195	91.57	ug/L	0.195	0.21%
Be 313.107†	-3632.9	1.208	ug/L	0.0147	1.208	ug/L	0.0147	1.22%
Ca 317.933†	14372.3	2009	ug/L	0.9	2009	ug/L	0.9	0.04%
Cd 214.440†	307.7	8.198	ug/L	0.1507	8.198	ug/L	0.1507	1.84%
Co 228.616†	290.0	20.41	ug/L	0.855	20.41	ug/L	0.855	4.19%
Cr 267.716†	1053.0	52.49	ug/L	0.184	52.49	ug/L	0.184	0.35%
Fe 238.204†	101836.8	53600	ug/L	100.4	53600	ug/L	100.4	0.19%
K 766.490†	10935.0	1943	ug/L	13.7	1943	ug/L	13.7	0.70%
Mg 285.213†	52393.8	5284	ug/L	6.4	5284	ug/L	6.4	0.12%

Mn 257.610†	292830.4	830.1 ug/L	2.27	830.1 ug/L	2.27	0.27%
Mo 202.031†	2.0	2.595 ug/L	1.5248	2.595 ug/L	1.5248	58.77%
Na 589.592†	-92.0	-12.49 ug/L	9.258	-12.49 ug/L	9.258	74.09%
Ni 231.604†	205.9	29.37 ug/L	0.480	29.37 ug/L	0.480	1.63%
Pb 220.353†	63.6	45.71 ug/L	0.181	45.71 ug/L	0.181	0.40%
Sb 206.836†	6.5	4.587 ug/L	0.2430	4.587 ug/L	0.2430	5.30%
Se 196.026†	-11.7	7.832 ug/L	10.7282	7.832 ug/L	10.7282	136.98%
V 311.071†	12604.9	62.27 ug/L	0.370	62.27 ug/L	0.370	0.59%
Sn 189.927†	-1.3	5.256 ug/L	5.8794	5.256 ug/L	5.8794	111.86%
Sr 421.552†	10497.9	14.75 ug/L	0.116	14.75 ug/L	0.116	0.79%
Tl 190.801†	-19.2	6.896 ug/L	4.0993	6.896 ug/L	4.0993	59.45%
Zn 206.200†	893.9	93.95 ug/L	0.476	93.95 ug/L	0.476	0.51%
Ti 334.940†	598574.3	1225 ug/L	2.5	1225 ug/L	2.5	0.20%
B 249.772†	6166.2	-21.47 ug/L	0.575	-21.47 ug/L	0.575	2.68%
Cu 324.752†	7071.2	36.00 ug/L	0.180	36.00 ug/L	0.180	0.50%
S 181.975†	-131.2	-1086 ug/L	1.6	-1086 ug/L	1.6	0.15%
Zr 343.823†	1048.1	3.142 ug/L	0.0187	3.142 ug/L	0.0187	0.59%
Li 670.784†	4849.9	24.67 ug/L	0.445	24.67 ug/L	0.445	1.80%

Sequence No.: 35
Sample ID: 220-16006-a-62-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 7/20/2011 12:46:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-62-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	778245.7	1.033	mg/L	0.0127				1.23%
Y (radial)	105178.6	1.086	mg/L	0.0025				0.23%
Ag 328.068†	-428.6	-0.164	ug/L	0.2624	-0.164	ug/L	0.2624	159.74%
Al 396.153†	285833.2	35110	ug/L	162.2	35110	ug/L	162.2	0.46%
As 188.979†	20.6	30.86	ug/L	2.288	30.86	ug/L	2.288	7.41%
Ba 233.527†	12169.1	224.4	ug/L	2.50	224.4	ug/L	2.50	1.12%
Be 313.107†	-2747.8	0.959	ug/L	0.0477	0.959	ug/L	0.0477	4.98%
Ca 317.933†	175683.8	24560	ug/L	37.7	24560	ug/L	37.7	0.15%
Cd 214.440†	140.2	2.829	ug/L	0.1780	2.829	ug/L	0.1780	6.29%
Co 228.616†	213.1	14.41	ug/L	0.845	14.41	ug/L	0.845	5.87%
Cr 267.716†	1818.0	89.95	ug/L	1.831	89.95	ug/L	1.831	2.04%
Fe 238.204†	106823.5	56230	ug/L	32.8	56230	ug/L	32.8	0.06%
K 766.490†	11640.1	2068	ug/L	17.5	2068	ug/L	17.5	0.84%
Mg 285.213†	101835.3	10230	ug/L	12.3	10230	ug/L	12.3	0.12%
Mn 257.610†	197751.0	560.2	ug/L	0.99	560.2	ug/L	0.99	0.18%
Mo 202.031†	-6.3	0.617	ug/L	0.9248	0.617	ug/L	0.9248	149.95%
Na 589.592†	311.7	42.34	ug/L	2.519	42.34	ug/L	2.519	5.95%
Ni 231.604†	280.7	40.22	ug/L	1.175	40.22	ug/L	1.175	2.92%
Pb 220.353†	1621.4	1231	ug/L	20.1	1231	ug/L	20.1	1.63%
Sb 206.836†	-4.2	-1.728	ug/L	10.1097	-1.728	ug/L	10.1097	585.07%
Se 196.026†	-36.2	-39.09	ug/L	10.662	-39.09	ug/L	10.662	27.28%
V 311.071†	16770.4	91.23	ug/L	0.843	91.23	ug/L	0.843	0.92%
Sn 189.927†	69.1	51.41	ug/L	1.909	51.41	ug/L	1.909	3.71%
Sr 421.552†	43964.2	61.54	ug/L	0.254	61.54	ug/L	0.254	0.41%
Tl 190.801†	-33.5	-6.851	ug/L	4.1147	-6.851	ug/L	4.1147	60.06%
Zn 206.200†	5152.9	539.8	ug/L	2.95	539.8	ug/L	2.95	0.55%
Ti 334.940†	458400.0	937.9	ug/L	0.43	937.9	ug/L	0.43	0.05%
B 249.772†	6842.3	-9.913	ug/L	2.2830	-9.913	ug/L	2.2830	23.03%
Cu 324.752†	23191.5	103.5	ug/L	0.23	103.5	ug/L	0.23	0.22%
S 181.975†	-125.2	-878.9	ug/L	6.24	-878.9	ug/L	6.24	0.71%
Zr 343.823†	713.3	1.083	ug/L	0.1058	1.083	ug/L	0.1058	9.77%
Li 670.784†	4953.0	25.19	ug/L	0.347	25.19	ug/L	0.347	1.38%

Sequence No.: 36
Sample ID: 220-16006-a-63-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 60
Date Collected: 7/20/2011 12:49:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-63-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	794164.9	1.054	mg/L	0.0003				0.02%
Y (radial)	102033.7	1.054	mg/L	0.0056				0.53%
Ag 328.068†	-630.7	0.580	ug/L	0.1005	0.580	ug/L	0.1005	17.33%
Al 396.153†	400396.6	49180	ug/L	83.6	49180	ug/L	83.6	0.17%
As 188.979†	23.5	38.60	ug/L	2.797	38.60	ug/L	2.797	7.25%
Ba 233.527†	10948.5	201.2	ug/L	1.36	201.2	ug/L	1.36	0.68%
Be 313.107†	-3962.0	1.438	ug/L	0.0022	1.438	ug/L	0.0022	0.15%
Ca 317.933†	203888.4	28510	ug/L	5.3	28510	ug/L	5.3	0.02%
Cd 214.440†	192.6	3.228	ug/L	0.2775	3.228	ug/L	0.2775	8.60%
Co 228.616†	319.4	20.91	ug/L	1.955	20.91	ug/L	1.955	9.35%
Cr 267.716†	2710.9	134.5	ug/L	2.11	134.5	ug/L	2.11	1.57%
Fe 238.204†	190564.8	100300	ug/L	46.6	100300	ug/L	46.6	0.05%
K 766.490†	13974.5	2483	ug/L	24.7	2483	ug/L	24.7	0.99%
Mg 285.213†	194321.2	19520	ug/L	82.4	19520	ug/L	82.4	0.42%
Mn 257.610†	332162.2	940.9	ug/L	2.00	940.9	ug/L	2.00	0.21%
Mo 202.031†	-0.3	3.854	ug/L	0.7981	3.854	ug/L	0.7981	20.71%
Na 589.592†	933.6	126.8	ug/L	5.28	126.8	ug/L	5.28	4.16%
Ni 231.604†	401.7	57.33	ug/L	1.130	57.33	ug/L	1.130	1.97%
Pb 220.353†	666.7	501.3	ug/L	0.42	501.3	ug/L	0.42	0.08%
Sb 206.836†	-9.1	-5.966	ug/L	0.9596	-5.966	ug/L	0.9596	16.08%
Se 196.026†	-44.0	-27.64	ug/L	32.234	-27.64	ug/L	32.234	116.61%
V 311.071†	23432.8	126.2	ug/L	0.14	126.2	ug/L	0.14	0.11%
Sn 189.927†	29.1	27.15	ug/L	7.451	27.15	ug/L	7.451	27.44%
Sr 421.552†	40563.6	56.70	ug/L	0.102	56.70	ug/L	0.102	0.18%
Tl 190.801†	-36.8	0.360	ug/L	2.2361	0.360	ug/L	2.2361	620.89%
Zn 206.200†	4611.9	483.6	ug/L	0.63	483.6	ug/L	0.63	0.13%
Ti 334.940†	668001.2	1367	ug/L	2.5	1367	ug/L	2.5	0.19%
B 249.772†	12098.2	-21.32	ug/L	2.175	-21.32	ug/L	2.175	10.20%
Cu 324.752†	49661.6	219.2	ug/L	1.26	219.2	ug/L	1.26	0.57%
S 181.975†	-337.6	-2615	ug/L	80.8	-2615	ug/L	80.8	3.09%
Zr 343.823†	780.6	0.295	ug/L	0.0419	0.295	ug/L	0.0419	14.22%
Li 670.784†	7169.8	36.47	ug/L	0.819	36.47	ug/L	0.819	2.25%

Sequence No.: 37
Sample ID: 220-16006-a-64-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 7/20/2011 12:52:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-64-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	798414.9	1.060	mg/L	0.0053				0.50%
Y (radial)	104169.4	1.076	mg/L	0.0014				0.13%
Ag 328.068†	-560.8	-0.545	ug/L	0.0699	-0.545	ug/L	0.0699	12.82%
Al 396.153†	457505.8	56200	ug/L	5.4	56200	ug/L	5.4	0.01%
As 188.979†	25.4	37.35	ug/L	4.839	37.35	ug/L	4.839	12.96%
Ba 233.527†	10788.4	198.8	ug/L	1.50	198.8	ug/L	1.50	0.76%
Be 313.107†	-4872.1	1.783	ug/L	0.0348	1.783	ug/L	0.0348	1.95%
Ca 317.933†	443619.3	62020	ug/L	278.1	62020	ug/L	278.1	0.45%
Cd 214.440†	248.7	5.953	ug/L	0.9829	5.953	ug/L	0.9829	16.51%
Co 228.616†	292.8	19.27	ug/L	0.454	19.27	ug/L	0.454	2.36%
Cr 267.716†	1860.1	92.24	ug/L	0.899	92.24	ug/L	0.899	0.97%
Fe 238.204†	127240.8	66970	ug/L	278.7	66970	ug/L	278.7	0.42%
K 766.490†	15811.7	2810	ug/L	29.5	2810	ug/L	29.5	1.05%
Mg 285.213†	117935.8	11850	ug/L	31.1	11850	ug/L	31.1	0.26%
Mn 257.610†	404085.7	1145	ug/L	4.2	1145	ug/L	4.2	0.37%
Mo 202.031†	-16.9	-1.623	ug/L	2.6001	-1.623	ug/L	2.6001	160.20%
Na 589.592†	710.7	96.52	ug/L	6.599	96.52	ug/L	6.599	6.84%
Ni 231.604†	294.8	42.15	ug/L	0.289	42.15	ug/L	0.289	0.69%
Pb 220.353†	178.2	133.6	ug/L	2.25	133.6	ug/L	2.25	1.69%
Sb 206.836†	-29.1	-17.62	ug/L	2.140	-17.62	ug/L	2.140	12.15%
Se 196.026†	-51.0	-54.45	ug/L	13.499	-54.45	ug/L	13.499	24.79%
V 311.071†	20689.1	107.0	ug/L	0.57	107.0	ug/L	0.57	0.53%
Sn 189.927†	-23.1	-4.469	ug/L	2.2370	-4.469	ug/L	2.2370	50.06%
Sr 421.552†	217525.4	305.4	ug/L	0.77	305.4	ug/L	0.77	0.25%
Tl 190.801†	-52.1	-8.312	ug/L	5.9587	-8.312	ug/L	5.9587	71.68%
Zn 206.200†	1460.3	153.5	ug/L	1.34	153.5	ug/L	1.34	0.87%

Ti 334.940†	823290.0	1684	ug/L	1.8	1684	ug/L	1.8	0.10%
B 249.772†	7669.7	-28.00	ug/L	1.940	-28.00	ug/L	1.940	6.93%
Cu 324.752†	17932.9	82.89	ug/L	0.450	82.89	ug/L	0.450	0.54%
S 181.975†	-167.0	-1227	ug/L	8.9	-1227	ug/L	8.9	0.72%
Zr 343.823†	749.5	0.986	ug/L	0.0702	0.986	ug/L	0.0702	7.12%
Li 670.784†	8694.0	44.22	ug/L	0.409	44.22	ug/L	0.409	0.92%

Sequence No.: 38
Sample ID: 220-16006-a-69-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 62
Date Collected: 7/20/2011 12:55:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-69-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	817983.7	1.086	mg/L	0.0125				1.15%
Y (radial)	105490.0	1.089	mg/L	0.0017				0.16%
Ag 328.068†	-1050.0	-0.991	ug/L	0.3360	-0.991	ug/L	0.3360	33.91%
Al 396.153†	1013264.1	124500	ug/L	419.1	124500	ug/L	419.1	0.34%
As 188.979†	144.5	192.4	ug/L	19.43	192.4	ug/L	19.43	10.10%
Ba 233.527†	14327.2	263.5	ug/L	0.70	263.5	ug/L	0.70	0.27%
Be 313.107†	-7035.6	2.045	ug/L	0.0723	2.045	ug/L	0.0723	3.53%
Ca 317.933†	23991.3	3354	ug/L	2.1	3354	ug/L	2.1	0.06%
Cd 214.440†	722.7	19.26	ug/L	0.296	19.26	ug/L	0.296	1.54%
Co 228.616†	488.8	32.63	ug/L	0.011	32.63	ug/L	0.011	0.03%
Cr 267.716†	3548.4	175.8	ug/L	2.31	175.8	ug/L	2.31	1.32%
Fe 238.204†	239206.8	125900	ug/L	341.8	125900	ug/L	341.8	0.27%
K 766.490†	24730.0	4394	ug/L	38.7	4394	ug/L	38.7	0.88%
Mg 285.213†	138693.2	13970	ug/L	19.1	13970	ug/L	19.1	0.14%
Mn 257.610†	410725.0	1164	ug/L	1.4	1164	ug/L	1.4	0.12%
Mo 202.031†	12.7	8.102	ug/L	2.9872	8.102	ug/L	2.9872	36.87%
Na 589.592†	527.4	71.63	ug/L	6.354	71.63	ug/L	6.354	8.87%
Ni 231.604†	506.2	72.26	ug/L	0.911	72.26	ug/L	0.911	1.26%
Pb 220.353†	469.3	355.0	ug/L	0.96	355.0	ug/L	0.96	0.27%
Sb 206.836†	4.9	1.773	ug/L	1.8135	1.773	ug/L	1.8135	102.30%
Se 196.026†	-43.9	-19.00	ug/L	25.499	-19.00	ug/L	25.499	134.21%
V 311.071†	38671.8	208.6	ug/L	0.42	208.6	ug/L	0.42	0.20%
Sn 189.927†	7.2	16.25	ug/L	2.118	16.25	ug/L	2.118	13.04%
Sr 421.552†	19596.8	27.54	ug/L	0.026	27.54	ug/L	0.026	0.09%
Tl 190.801†	-53.8	1.607	ug/L	1.4908	1.607	ug/L	1.4908	92.74%
Zn 206.200†	2595.0	273.0	ug/L	4.16	273.0	ug/L	4.16	1.53%
Ti 334.940†	1121953.5	2295	ug/L	2.4	2295	ug/L	2.4	0.10%
B 249.772†	14608.4	-46.24	ug/L	1.437	-46.24	ug/L	1.437	3.11%
Cu 324.752†	57811.4	256.2	ug/L	0.14	256.2	ug/L	0.14	0.05%
S 181.975†	-103.7	-563.1	ug/L	35.09	-563.1	ug/L	35.09	6.23%
Zr 343.823†	1194.7	0.005	ug/L	0.0467	0.005	ug/L	0.0467	>999.9%
Li 670.784†	17342.6	88.20	ug/L	0.083	88.20	ug/L	0.083	0.09%

Sequence No.: 39
Sample ID: 220-16006-a-70-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 63
Date Collected: 7/20/2011 12:59:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-70-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	804566.1	1.068	mg/L	0.0021				0.20%
Y (radial)	101994.6	1.053	mg/L	0.0030				0.28%
Ag 328.068†	-1155.4	-0.895	ug/L	0.0019	-0.895	ug/L	0.0019	0.21%
Al 396.153†	963442.2	118300	ug/L	1556.7	118300	ug/L	1556.7	1.32%
As 188.979†	18.2	33.86	ug/L	18.882	33.86	ug/L	18.882	55.76%
Ba 233.527†	12313.8	225.9	ug/L	2.26	225.9	ug/L	2.26	1.00%
Be 313.107†	-9444.2	2.428	ug/L	0.1762	2.428	ug/L	0.1762	7.26%
Ca 317.933†	7279.9	1018	ug/L	2.0	1018	ug/L	2.0	0.20%
Cd 214.440†	133.1	0.030	ug/L	0.6432	0.030	ug/L	0.6432	>999.9%
Co 228.616†	846.8	61.18	ug/L	0.036	61.18	ug/L	0.036	0.06%

Cr 267.716†	2452.8	122.7 ug/L	1.31	122.7 ug/L	1.31	1.07%
Fe 238.204†	278194.5	146400 ug/L	412.8	146400 ug/L	412.8	0.28%
K 766.490†	24836.4	4413 ug/L	1.2	4413 ug/L	1.2	0.03%
Mg 285.213†	153636.2	15490 ug/L	170.1	15490 ug/L	170.1	1.10%
Mn 257.610†	624538.6	1770 ug/L	2.2	1770 ug/L	2.2	0.12%
Mo 202.031†	0.2	5.776 ug/L	0.1035	5.776 ug/L	0.1035	1.79%
Na 589.592†	210.1	28.53 ug/L	5.806	28.53 ug/L	5.806	20.35%
Ni 231.604†	527.8	75.21 ug/L	0.802	75.21 ug/L	0.802	1.07%
Pb 220.353†	87.4	61.90 ug/L	0.850	61.90 ug/L	0.850	1.37%
Sb 206.836†	6.4	3.439 ug/L	4.2326	3.439 ug/L	4.2326	123.07%
Se 196.026†	-37.3	8.241 ug/L	17.3774	8.241 ug/L	17.3774	210.86%
V 311.071†	34691.6	175.6 ug/L	3.77	175.6 ug/L	3.77	2.15%
Sn 189.927†	-8.5	9.184 ug/L	3.4043	9.184 ug/L	3.4043	37.07%
Sr 421.552†	13090.2	18.41 ug/L	0.122	18.41 ug/L	0.122	0.66%
Tl 190.801†	-66.7	2.995 ug/L	13.9105	2.995 ug/L	13.9105	464.40%
Zn 206.200†	2169.1	227.9 ug/L	1.33	227.9 ug/L	1.33	0.58%
Ti 334.940†	1466014.9	2999 ug/L	9.2	2999 ug/L	9.2	0.31%
B 249.772†	16091.8	-84.04 ug/L	8.877	-84.04 ug/L	8.877	10.56%
Cu 324.752†	11983.7	67.79 ug/L	1.595	67.79 ug/L	1.595	2.35%
S 181.975†	-240.9	-1820 ug/L	5.3	-1820 ug/L	5.3	0.29%
Zr 343.823†	2566.9	7.476 ug/L	0.1442	7.476 ug/L	0.1442	1.93%
Li 670.784†	15684.9	79.77 ug/L	0.079	79.77 ug/L	0.079	0.10%

Sequence No.: 40
Sample ID: 220-16006-a-71-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 64
Date Collected: 7/20/2011 1:02:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-71-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	778037.9	1.033	mg/L	0.0077				0.75%
Y (radial)	102663.8	1.060	mg/L	0.0075				0.71%
Ag 328.068†	-607.7	-0.653	ug/L	0.0299	-0.653	ug/L	0.0299	4.58%
Al 396.153†	461258.9	56660	ug/L	109.0	56660	ug/L	109.0	0.19%
As 188.979†	8.6	16.53	ug/L	3.383	16.53	ug/L	3.383	20.47%
Ba 233.527†	9172.7	168.8	ug/L	0.38	168.8	ug/L	0.38	0.23%
Be 313.107†	-7143.1	1.476	ug/L	0.0398	1.476	ug/L	0.0398	2.70%
Ca 317.933†	3928.7	549.3	ug/L	12.13	549.3	ug/L	12.13	2.21%
Cd 214.440†	34.2	-1.035	ug/L	0.0047	-1.035	ug/L	0.0047	0.45%
Co 228.616†	399.1	27.10	ug/L	0.363	27.10	ug/L	0.363	1.34%
Cr 267.716†	1260.4	63.06	ug/L	0.261	63.06	ug/L	0.261	0.41%
Fe 238.204†	140837.6	74130	ug/L	227.8	74130	ug/L	227.8	0.31%
K 766.490†	16355.2	2906	ug/L	21.6	2906	ug/L	21.6	0.74%
Mg 285.213†	84015.6	8464	ug/L	23.5	8464	ug/L	23.5	0.28%
Mn 257.610†	410224.5	1163	ug/L	1.4	1163	ug/L	1.4	0.12%
Mo 202.031†	-5.5	1.518	ug/L	0.6179	1.518	ug/L	0.6179	40.70%
Na 589.592†	-148.1	-20.11	ug/L	3.814	-20.11	ug/L	3.814	18.96%
Ni 231.604†	315.6	45.11	ug/L	0.030	45.11	ug/L	0.030	0.07%
Pb 220.353†	42.9	30.04	ug/L	1.758	30.04	ug/L	1.758	5.85%
Sb 206.836†	0.4	-0.533	ug/L	1.4695	-0.533	ug/L	1.4695	275.61%
Se 196.026†	-20.5	0.553	ug/L	19.8855	0.553	ug/L	19.8855	>999.9%
V 311.071†	19910.1	95.79	ug/L	0.479	95.79	ug/L	0.479	0.50%
Sn 189.927†	-14.4	1.234	ug/L	6.4779	1.234	ug/L	6.4779	524.77%
Sr 421.552†	8292.5	11.67	ug/L	0.009	11.67	ug/L	0.009	0.08%
Tl 190.801†	-42.7	3.947	ug/L	0.9897	3.947	ug/L	0.9897	25.08%
Zn 206.200†	1151.7	121.0	ug/L	0.18	121.0	ug/L	0.18	0.15%
Ti 334.940†	1063401.6	2176	ug/L	0.3	2176	ug/L	0.3	0.01%
B 249.772†	8543.5	-29.16	ug/L	1.783	-29.16	ug/L	1.783	6.11%
Cu 324.752†	8108.5	42.83	ug/L	0.135	42.83	ug/L	0.135	0.31%
S 181.975†	-177.3	-1429	ug/L	45.9	-1429	ug/L	45.9	3.22%
Zr 343.823†	3751.5	15.13	ug/L	0.003	15.13	ug/L	0.003	0.02%
Li 670.784†	8313.3	42.28	ug/L	0.034	42.28	ug/L	0.034	0.08%

Sequence No.: 41 57
Sample ID: mb 220-53046/1-a
Analyst:
Initial Sample Wt:

MP. 7/20/11

Autosampler Location: 65
Date Collected: 7/20/2011 1:05:13 PM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: ~~mb 220-53046/1-a~~

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	771963.3	1.024	mg/L	0.0025				0.25%
Y (radial)	100308.7	1.036	mg/L	0.0043				0.42%
Ag 328.068†	-9.6	-0.066	ug/L	0.0155	-0.066	ug/L	0.0155	23.37%
Al 396.153†	322.1	39.60	ug/L	0.068	39.60	ug/L	0.068	0.17%
As 188.979†	-2.9	-3.664	ug/L	7.2914	-3.664	ug/L	7.2914	198.98%
Ba 233.527†	9.9	0.183	ug/L	0.0320	0.183	ug/L	0.0320	17.47%
Be 313.107†	-42.8	-0.038	ug/L	0.0174	-0.038	ug/L	0.0174	45.26%
Ca 317.933†	342.2	47.84	ug/L	2.046	47.84	ug/L	2.046	4.28%
Cd 214.440†	-1.6	-0.050	ug/L	0.1286	-0.050	ug/L	0.1286	258.58%
Co 228.616†	-0.6	-0.052	ug/L	0.6799	-0.052	ug/L	0.6799	>999.9%
Cr 267.716†	-1.4	-0.069	ug/L	0.1347	-0.069	ug/L	0.1347	195.83%
Fe 238.204†	46.8	24.64	ug/L	2.038	24.64	ug/L	2.038	8.27%
K 766.490†	-2.0	-0.354	ug/L	15.9950	-0.354	ug/L	15.9950	>999.9%
Mg 285.213†	29.4	2.958	ug/L	0.2642	2.958	ug/L	0.2642	8.93%
Mn 257.610†	30.7	0.087	ug/L	0.0364	0.087	ug/L	0.0364	41.88%
Mo 202.031†	-3.3	-0.832	ug/L	0.8180	-0.832	ug/L	0.8180	98.37%
Na 589.592†	-1057.4	-143.6	ug/L	10.08	-143.6	ug/L	10.08	7.02%
Ni 231.604†	1.6	0.231	ug/L	1.5017	0.231	ug/L	1.5017	651.14%
Pb 220.353†	-7.3	-5.520	ug/L	4.1884	-5.520	ug/L	4.1884	75.88%
Sb 206.836†	4.0	3.211	ug/L	2.8550	3.211	ug/L	2.8550	88.92%
Se 196.026†	-5.2	-11.65	ug/L	3.318	-11.65	ug/L	3.318	28.49%
V 311.071†	82.2	0.496	ug/L	0.0230	0.496	ug/L	0.0230	4.64%
Sn 189.927†	11.3	7.517	ug/L	0.0693	7.517	ug/L	0.0693	0.92%
Sr 421.552†	271.5	0.382	ug/L	0.0330	0.382	ug/L	0.0330	8.64%
Tl 190.801†	-5.8	-4.396	ug/L	1.9051	-4.396	ug/L	1.9051	43.34%
Zn 206.200†	1.8	0.183	ug/L	0.3626	0.183	ug/L	0.3626	198.51%
Ti 334.940†	405.1	0.829	ug/L	0.1287	0.829	ug/L	0.1287	15.52%
B 249.772†	252.3	8.400	ug/L	0.5315	8.400	ug/L	0.5315	6.33%
Cu 324.752†	-172.2	-0.714	ug/L	0.1457	-0.714	ug/L	0.1457	20.40%
S 181.975†	3.1	29.34	ug/L	26.337	29.34	ug/L	26.337	89.75%
Zr 343.823†	-16.8	-0.046	ug/L	0.1860	-0.046	ug/L	0.1860	402.39%
Li 670.784†	148.5	0.755	ug/L	0.3430	0.755	ug/L	0.3430	45.43%

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Sequence No.: 42
Sample ID: ~~lcs 220-53046/2-a~~
Analyst: LB 220-52980/4-13
Initial Sample Wt:
Dilution: MM 7/20/11

Autosampler Location: 66
Date Collected: 7/20/2011 1:08:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ~~lcs 220-53046/2-a~~

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	739900.6	0.982	mg/L	0.0010				0.10%
Y (radial)	99263.3	1.025	mg/L	0.0194				1.89%
Ag 328.068†	17.2	0.130	ug/L	0.1203	0.130	ug/L	0.1203	92.65%
Al 396.153†	788.9	96.94	ug/L	0.301	96.94	ug/L	0.301	0.31%
As 188.979†	-5.8	-7.397	ug/L	8.1074	-7.397	ug/L	8.1074	109.60%
Ba 233.527†	41.2	0.765	ug/L	0.1626	0.765	ug/L	0.1626	21.26%
Be 313.107†	-194.9	-0.189	ug/L	0.0266	-0.189	ug/L	0.0266	14.04%
Ca 317.933†	-83.3	-11.64	ug/L	0.587	-11.64	ug/L	0.587	5.05%
Cd 214.440†	-1.3	-0.041	ug/L	0.1842	-0.041	ug/L	0.1842	454.58%
Co 228.616†	3.3	0.281	ug/L	0.3651	0.281	ug/L	0.3651	129.70%
Cr 267.716†	8.1	0.396	ug/L	0.2169	0.396	ug/L	0.2169	54.78%
Fe 238.204†	15.9	8.389	ug/L	2.6411	8.389	ug/L	2.6411	31.48%
K 766.490†	834.6	148.3	ug/L	13.70	148.3	ug/L	13.70	9.24%
Mg 285.213†	26.6	2.671	ug/L	0.4840	2.671	ug/L	0.4840	18.12%
Mn 257.610†	309.1	0.876	ug/L	0.0219	0.876	ug/L	0.0219	2.50%
Mo 202.031†	-2.6	-0.641	ug/L	0.8381	-0.641	ug/L	0.8381	130.77%
Na 589.592†	4204408.3	571000	ug/L	7057.6	571000	ug/L	7057.6	1.24%
Ni 231.604†	-1.9	-0.278	ug/L	0.0710	-0.278	ug/L	0.0710	25.55%
Pb 220.353†	-2.8	-2.118	ug/L	0.1557	-2.118	ug/L	0.1557	7.35%
Sb 206.836†	0.2	0.152	ug/L	3.9954	0.152	ug/L	3.9954	>999.9%
Se 196.026†	-4.6	-10.37	ug/L	0.178	-10.37	ug/L	0.178	1.71%
V 311.071†	187.1	1.149	ug/L	0.1844	1.149	ug/L	0.1844	16.04%

Sn 189.927†	-2.2	-1.462 ug/L	3.3080	-1.462 ug/L	3.3080	226.34%
Sr 421.552†	148.2	0.209 ug/L	0.0036	0.209 ug/L	0.0036	1.72%
Tl 190.801†	5.2	3.934 ug/L	1.4966	3.934 ug/L	1.4966	38.04%
Zn 206.200†	156.8	16.40 ug/L	0.610	16.40 ug/L	0.610	3.72%
Ti 334.940†	44.6	0.091 ug/L	0.0682	0.091 ug/L	0.0682	74.67%
B 249.772†	3.6	0.085 ug/L	0.1815	0.085 ug/L	0.1815	213.36%
Cu 324.752†	269.2	1.123 ug/L	0.0433	1.123 ug/L	0.0433	3.85%
S 181.975†	1.5	14.31 ug/L	8.948	14.31 ug/L	8.948	62.53%
Zr 343.823†	-38.6	-0.115 ug/L	0.1633	-0.115 ug/L	0.1633	142.06%
Li 670.784†	105.4	0.536 ug/L	0.2751	0.536 ug/L	0.2751	51.29%

Sequence No.: 43
Sample ID: ~~lb-220-52980/4-b~~ LCS 220-53057/2-A
Analyst: AP 7/20/11
Initial Sample Wt:
Dilution:

Autosampler Location: 67
Date Collected: 7/20/2011 1:12:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ~~lb-220-52980/4-b~~

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	770399.5	1.022	mg/L	0.0133				1.30%
Y (radial)	100211.1	1.035	mg/L	0.0029				0.28%
Ag 328.068†	43409.9	309.4	ug/L	0.00	309.4	ug/L	0.00	0.00%
Al 396.153†	29376.7	3559	ug/L	27.3	3559	ug/L	27.3	0.77%
As 188.979†	814.9	1032	ug/L	23.3	1032	ug/L	23.3	2.26%
Ba 233.527†	17422.7	322.8	ug/L	1.11	322.8	ug/L	1.11	0.34%
Be 313.107†	108589.7	109.7	ug/L	0.06	109.7	ug/L	0.06	0.06%
Ca 317.933†	51299.6	7172	ug/L	38.0	7172	ug/L	38.0	0.53%
Cd 214.440†	10196.2	322.3	ug/L	4.08	322.3	ug/L	4.08	1.27%
Co 228.616†	3805.7	327.3	ug/L	4.57	327.3	ug/L	4.57	1.40%
Cr 267.716†	6583.8	321.8	ug/L	4.64	321.8	ug/L	4.64	1.44%
Fe 238.204†	6832.3	3596	ug/L	20.0	3596	ug/L	20.0	0.56%
K 766.490†	155835.7	27690	ug/L	218.5	27690	ug/L	218.5	0.79%
Mg 285.213†	72128.1	7221	ug/L	6.9	7221	ug/L	6.9	0.10%
Mn 257.610†	74857.9	211.9	ug/L	0.04	211.9	ug/L	0.04	0.02%
Mo 202.031†	4256.4	1065	ug/L	10.0	1065	ug/L	10.0	0.94%
Na 589.592†	51968.9	7058	ug/L	8.8	7058	ug/L	8.8	0.12%
Ni 231.604†	2267.8	330.2	ug/L	1.83	330.2	ug/L	1.83	0.55%
Pb 220.353†	1429.9	1091	ug/L	14.1	1091	ug/L	14.1	1.29%
Sb 206.836†	1357.3	1077	ug/L	20.1	1077	ug/L	20.1	1.87%
Se 196.026†	239.3	544.9	ug/L	11.11	544.9	ug/L	11.11	2.04%
V 311.071†	53048.7	309.2	ug/L	0.45	309.2	ug/L	0.45	0.15%
Sn 189.927†	1595.8	1062	ug/L	17.4	1062	ug/L	17.4	1.63%
Sr 421.552†	314.6	0.340	ug/L	0.0465	0.340	ug/L	0.0465	13.66%
Tl 190.801†	1428.7	1103	ug/L	8.5	1103	ug/L	8.5	0.77%
Zn 206.200†	3093.3	326.3	ug/L	4.89	326.3	ug/L	4.89	1.50%
Ti 334.940†	513816.7	1051	ug/L	0.5	1051	ug/L	0.5	0.05%
B 249.772†	29798.2	989.1	ug/L	4.44	989.1	ug/L	4.44	0.45%
Cu 324.752†	78156.1	326.1	ug/L	0.07	326.1	ug/L	0.07	0.02%
S 181.975†	-205.3	-1730	ug/L	14.2	-1730	ug/L	14.2	0.82%
Zr 343.823†	225070.3	1043	ug/L	0.7	1043	ug/L	0.7	0.07%
Li 670.784†	205.3	1.044	ug/L	0.5150	1.044	ug/L	0.5150	49.34%

Sequence No.: 44
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 7/20/2011 1:15:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	772230.2	1.025	mg/L	0.0102				0.99%
Y (radial)	100419.0	1.037	mg/L	0.0073				0.70%
Ag 328.068†	33827.8	244.2	ug/L	0.63	244.2	ug/L	0.63	0.26%
QC value within limits for Ag 328.068 Recovery = 97.68%								
Al 396.153†	41083.1	5024	ug/L	8.3	5024	ug/L	8.3	0.16%
QC value within limits for Al 396.153 Recovery = 100.47%								

As 188.979†	409.6	521.8 ug/L	10.75	521.8 ug/L	10.75	2.06%
QC value within limits for As 188.979 Recovery = 104.36%						
Ba 233.527†	27021.2	500.7 ug/L	0.31	500.7 ug/L	0.31	0.06%
QC value within limits for Ba 233.527 Recovery = 100.14%						
Be 313.107†	516821.4	504.5 ug/L	0.53	504.5 ug/L	0.53	0.11%
QC value within limits for Be 313.107 Recovery = 100.90%						
Ca 317.933†	132877.6	18580 ug/L	20.4	18580 ug/L	20.4	0.11%
QC value within limits for Ca 317.933 Recovery = 100.42%						
Cd 214.440†	16082.3	508.4 ug/L	0.96	508.4 ug/L	0.96	0.19%
QC value within limits for Cd 214.440 Recovery = 101.67%						
Co 228.616†	5947.9	512.5 ug/L	3.77	512.5 ug/L	3.77	0.74%
QC value within limits for Co 228.616 Recovery = 102.50%						
Cr 267.716†	10401.9	508.4 ug/L	4.85	508.4 ug/L	4.85	0.95%
QC value within limits for Cr 267.716 Recovery = 101.69%						
Fe 238.204†	10720.1	5642 ug/L	26.8	5642 ug/L	26.8	0.48%
QC value within limits for Fe 238.204 Recovery = 102.59%						
K 766.490†	219955.4	39090 ug/L	820.2	39090 ug/L	820.2	2.10%
QC value within limits for K 766.490 Recovery = 97.71%						
Mg 285.213†	189407.8	18960 ug/L	344.9	18960 ug/L	344.9	1.82%
QC value within limits for Mg 285.213 Recovery = 102.48%						
Mn 257.610†	176600.4	499.9 ug/L	0.72	499.9 ug/L	0.72	0.14%
QC value within limits for Mn 257.610 Recovery = 99.98%						
Mo 202.031†	1956.1	489.8 ug/L	3.16	489.8 ug/L	3.16	0.65%
QC value within limits for Mo 202.031 Recovery = 97.96%						
Na 589.592†	284932.4	38700 ug/L	825.0	38700 ug/L	825.0	2.13%
QC value within limits for Na 589.592 Recovery = 96.75%						
Ni 231.604†	3547.3	516.5 ug/L	6.10	516.5 ug/L	6.10	1.18%
QC value within limits for Ni 231.604 Recovery = 103.30%						
Pb 220.353†	664.9	507.1 ug/L	7.90	507.1 ug/L	7.90	1.56%
QC value within limits for Pb 220.353 Recovery = 101.42%						
Sb 206.836†	638.3	502.7 ug/L	4.72	502.7 ug/L	4.72	0.94%
QC value within limits for Sb 206.836 Recovery = 100.54%						
Se 196.026†	211.0	485.7 ug/L	21.83	485.7 ug/L	21.83	4.49%
QC value within limits for Se 196.026 Recovery = 97.15%						
V 311.071†	79475.8	480.3 ug/L	0.84	480.3 ug/L	0.84	0.18%
QC value within limits for V 311.071 Recovery = 96.05%						
Sn 189.927†	758.0	505.3 ug/L	11.71	505.3 ug/L	11.71	2.32%
QC value within limits for Sn 189.927 Recovery = 101.06%						
Sr 421.552†	343750.5	483.7 ug/L	9.04	483.7 ug/L	9.04	1.87%
QC value within limits for Sr 421.552 Recovery = 96.73%						
Tl 190.801†	684.8	528.1 ug/L	1.32	528.1 ug/L	1.32	0.25%
QC value within limits for Tl 190.801 Recovery = 105.62%						
Zn 206.200†	4856.4	512.4 ug/L	4.93	512.4 ug/L	4.93	0.96%
QC value within limits for Zn 206.200 Recovery = 102.47%						
Ti 334.940†	247264.5	505.9 ug/L	0.20	505.9 ug/L	0.20	0.04%
QC value within limits for Ti 334.940 Recovery = 101.18%						
B 249.772†	14141.7	452.6 ug/L	2.93	452.6 ug/L	2.93	0.65%
QC value within limits for B 249.772 Recovery = 90.51%						
Cu 324.752†	120368.2	502.2 ug/L	1.24	502.2 ug/L	1.24	0.25%
QC value within limits for Cu 324.752 Recovery = 100.45%						
S 181.975†	982.3	9907 ug/L	128.0	9907 ug/L	128.0	1.29%
QC value within limits for S 181.975 Recovery = 99.07%						
Zr 343.823†	103624.6	479.0 ug/L	1.22	479.0 ug/L	1.22	0.25%
QC value within limits for Zr 343.823 Recovery = 95.79%						
Li 670.784†	95570.2	486.1 ug/L	12.20	486.1 ug/L	12.20	2.51%
QC value within limits for Li 670.784 Recovery = 97.21%						

All analyte(s) passed QC.

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Sequence No.: 45
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/20/2011 1:19:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	764665.3	1.015	mg/L	0.0146				1.44%
Y (radial)	99442.3	1.027	mg/L	0.0007				0.07%
Ag 328.068†	3.0	0.019	ug/L	0.2090	0.019	ug/L	0.2090	>999.9%

	QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 396.153†	30.6	3.801 ug/L	1.7738	3.801 ug/L	1.7738	46.67%	
	QC value within limits for Al 396.153 Recovery = Not calculated						
As 188.979†	-3.0	-3.854 ug/L	4.1572	-3.854 ug/L	4.1572	107.86%	
	QC value within limits for As 188.979 Recovery = Not calculated						
Ba 233.527†	13.5	0.251 ug/L	0.1663	0.251 ug/L	0.1663	66.26%	
	QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	20.9	0.021 ug/L	0.0369	0.021 ug/L	0.0369	178.54%	
	QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 317.933†	9.0	1.265 ug/L	2.1661	1.265 ug/L	2.1661	171.25%	
	QC value within limits for Ca 317.933 Recovery = Not calculated						
Cd 214.440†	-2.1	-0.068 ug/L	0.0962	-0.068 ug/L	0.0962	141.48%	
	QC value within limits for Cd 214.440 Recovery = Not calculated						
Co 228.616†	-6.9	-0.596 ug/L	0.0217	-0.596 ug/L	0.0217	3.65%	
	QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716†	-8.4	-0.411 ug/L	0.1996	-0.411 ug/L	0.1996	48.55%	
	QC value within limits for Cr 267.716 Recovery = Not calculated						
Fe 238.204†	1.8	0.948 ug/L	1.2178	0.948 ug/L	1.2178	128.41%	
	QC value within limits for Fe 238.204 Recovery = Not calculated						
K 766.490†	39.3	6.988 ug/L	5.5317	6.988 ug/L	5.5317	79.16%	
	QC value within limits for K 766.490 Recovery = Not calculated						
Mg 285.213†	13.2	1.318 ug/L	0.9782	1.318 ug/L	0.9782	74.22%	
	QC value within limits for Mg 285.213 Recovery = Not calculated						
Mn 257.610†	-4.1	-0.012 ug/L	0.0581	-0.012 ug/L	0.0581	492.79%	
	QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	-3.7	-0.920 ug/L	1.2356	-0.920 ug/L	1.2356	134.28%	
	QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	-655.1	-88.98 ug/L	0.509	-88.98 ug/L	0.509	0.57%	
	QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	-6.9	-0.999 ug/L	0.8921	-0.999 ug/L	0.8921	89.29%	
	QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-5.2	-3.984 ug/L	1.1718	-3.984 ug/L	1.1718	29.41%	
	QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	7.1	5.560 ug/L	0.7011	5.560 ug/L	0.7011	12.61%	
	QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	1.4	3.091 ug/L	16.6911	3.091 ug/L	16.6911	539.92%	
	QC value within limits for Se 196.026 Recovery = Not calculated						
V 311.071†	42.9	0.260 ug/L	0.1105	0.260 ug/L	0.1105	42.47%	
	QC value within limits for V 311.071 Recovery = Not calculated						
Sn 189.927†	4.6	3.040 ug/L	3.6069	3.040 ug/L	3.6069	118.64%	
	QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 421.552†	33.6	0.047 ug/L	0.0288	0.047 ug/L	0.0288	60.88%	
	QC value within limits for Sr 421.552 Recovery = Not calculated						
Tl 190.801†	6.6	5.060 ug/L	0.1832	5.060 ug/L	0.1832	3.62%	
	QC value within limits for Tl 190.801 Recovery = Not calculated						
Zn 206.200†	-3.1	-0.332 ug/L	0.7247	-0.332 ug/L	0.7247	218.25%	
	QC value within limits for Zn 206.200 Recovery = Not calculated						
Ti 334.940†	46.7	0.096 ug/L	0.0725	0.096 ug/L	0.0725	75.88%	
	QC value within limits for Ti 334.940 Recovery = Not calculated						
B 249.772†	139.0	4.681 ug/L	0.0632	4.681 ug/L	0.0632	1.35%	
	QC value within limits for B 249.772 Recovery = Not calculated						
Cu 324.752†	-112.0	-0.467 ug/L	0.4255	-0.467 ug/L	0.4255	91.18%	
	QC value within limits for Cu 324.752 Recovery = Not calculated						
S 181.975†	-2.3	-22.24 ug/L	18.932	-22.24 ug/L	18.932	85.13%	
	QC value within limits for S 181.975 Recovery = Not calculated						
Zr 343.823†	106.4	0.533 ug/L	0.0330	0.533 ug/L	0.0330	6.19%	
	QC value within limits for Zr 343.823 Recovery = Not calculated						
Li 670.784†	57.4	0.292 ug/L	0.3221	0.292 ug/L	0.3221	110.42%	
	QC value within limits for Li 670.784 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 46
Sample ID: ~~220-15975-d-6-b~~
Analyst:
Initial Sample Wt: MB 220-53046/1-A
Dilution:

Autosampler Location: 68
Date Collected: 7/20/2011 1:22:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

7/20/11

Mean Data: ~~220-15975-d-6-b~~

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD

Y 371.029	774228.7	1.027 mg/L	0.0024				0.24%
Y (radial)	99472.6	1.027 mg/L	0.0162				1.58%
Ag 328.068†	30.6	0.221 ug/L	0.0328	0.221 ug/L		0.0328	14.84%
Al 396.153†	60.2	7.479 ug/L	2.6003	7.479 ug/L		2.6003	34.77%
As 188.979†	-1.8	-2.256 ug/L	5.0286	-2.256 ug/L		5.0286	222.86%
Ba 233.527†	28.3	0.523 ug/L	0.0051	0.523 ug/L		0.0051	0.97%
Be 313.107†	4.3	0.005 ug/L	0.0401	0.005 ug/L		0.0401	884.88%
Ca 317.933†	15.2	2.128 ug/L	2.1579	2.128 ug/L		2.1579	101.41%
Cd 214.440†	-1.1	-0.037 ug/L	0.2752	-0.037 ug/L		0.2752	748.39%
Co 228.616†	-3.8	-0.332 ug/L	0.2258	-0.332 ug/L		0.2258	68.10%
Cr 267.716†	0.5	0.025 ug/L	0.2069	0.025 ug/L		0.2069	821.97%
Fe 238.204†	35.2	18.54 ug/L	3.208	18.54 ug/L		3.208	17.30%
K 766.490†	175.4	31.16 ug/L	39.506	31.16 ug/L		39.506	126.77%
Mg 285.213†	39.6	3.975 ug/L	0.0592	3.975 ug/L		0.0592	1.49%
Mn 257.610†	584.0	1.656 ug/L	0.0119	1.656 ug/L		0.0119	0.72%
Mo 202.031†	-7.0	-1.745 ug/L	1.5559	-1.745 ug/L		1.5559	89.18%
Na 589.592†	-310.1	-42.12 ug/L	2.740	-42.12 ug/L		2.740	6.50%
Ni 231.604†	-7.2	-1.049 ug/L	0.3507	-1.049 ug/L		0.3507	33.44%
Pb 220.353†	-1.3	-1.020 ug/L	0.6881	-1.020 ug/L		0.6881	67.43%
Sb 206.836†	5.3	4.179 ug/L	0.0571	4.179 ug/L		0.0571	1.37%
Se 196.026†	-1.0	-2.330 ug/L	10.5895	-2.330 ug/L		10.5895	454.52%
V 311.071†	-11.7	-0.075 ug/L	0.5837	-0.075 ug/L		0.5837	782.48%
Sn 189.927†	8.5	5.649 ug/L	0.9085	5.649 ug/L		0.9085	16.08%
Sr 421.552†	-142.9	-0.201 ug/L	0.0159	-0.201 ug/L		0.0159	7.88%
Tl 190.801†	4.0	3.087 ug/L	0.3676	3.087 ug/L		0.3676	11.91%
Zn 206.200†	49.2	5.142 ug/L	0.2753	5.142 ug/L		0.2753	5.35%
Ti 334.940†	42.1	0.086 ug/L	0.0357	0.086 ug/L		0.0357	41.44%
B 249.772†	52.3	1.682 ug/L	0.4703	1.682 ug/L		0.4703	27.96%
Cu 324.752†	-87.8	-0.363 ug/L	0.1060	-0.363 ug/L		0.1060	29.15%
S 181.975†	7.7	73.01 ug/L	32.721	73.01 ug/L		32.721	44.82%
Zr 343.823†	58.5	0.293 ug/L	0.0251	0.293 ug/L		0.0251	8.55%
Li 670.784†	243.7	1.239 ug/L	0.3306	1.239 ug/L		0.3306	26.67%

Sequence No.: 47
Sample ID: ~~220-15975-d-7-b~~
Analyst:
Initial Sample Wt: 220-15978-H-1-A
Dilution:

Autosampler Location: 69
Date Collected: 7/20/2011 1:25:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

7/20/11

Mean Data: ~~220-15975-d-7-b~~

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	769090.5	1.021	mg/L	0.0185				1.81%
Y (radial)	102318.4	1.057	mg/L	0.0142				1.34%
Ag 328.068†	-94.4	-0.608	ug/L	0.0927	-0.608	ug/L	0.0927	15.26%
Al 396.153†	64.1	7.996	ug/L	2.3138	7.996	ug/L	2.3138	28.94%
As 188.979†	-16.7	-20.99	ug/L	3.265	-20.99	ug/L	3.265	15.55%
Ba 233.527†	6647.6	122.9	ug/L	2.01	122.9	ug/L	2.01	1.63%
Be 313.107†	-78.9	-0.084	ug/L	0.1165	-0.084	ug/L	0.1165	138.76%
Ca 317.933†	590263.0	82530	ug/L	227.8	82530	ug/L	227.8	0.28%
Cd 214.440†	3.9	0.078	ug/L	0.2015	0.078	ug/L	0.2015	259.84%
Co 228.616†	-1.0	-0.027	ug/L	0.2073	-0.027	ug/L	0.2073	766.82%
Cr 267.716†	-19.0	-0.745	ug/L	0.4683	-0.745	ug/L	0.4683	62.85%
Fe 238.204†	2944.9	1550	ug/L	41.2	1550	ug/L	41.2	2.66%
K 766.490†	20428.6	3630	ug/L	81.7	3630	ug/L	81.7	2.25%
Mg 285.213†	133533.5	13360	ug/L	3.3	13360	ug/L	3.3	0.02%
Mn 257.610†	16722.0	46.81	ug/L	0.064	46.81	ug/L	0.064	0.14%
Mo 202.031†	-10.6	-2.591	ug/L	0.5441	-2.591	ug/L	0.5441	21.00%
Na 589.592†	90332.8	12270	ug/L	38.4	12270	ug/L	38.4	0.31%
Ni 231.604†	-6.4	-0.953	ug/L	0.4161	-0.953	ug/L	0.4161	43.64%
Pb 220.353†	2.0	1.379	ug/L	1.5162	1.379	ug/L	1.5162	109.92%
Sb 206.836†	-37.4	-20.49	ug/L	2.255	-20.49	ug/L	2.255	11.00%
Se 196.026†	-27.2	-35.85	ug/L	2.292	-35.85	ug/L	2.292	6.39%
V 311.071†	235.4	2.090	ug/L	0.3553	2.090	ug/L	0.3553	17.00%
Sn 189.927†	-16.1	-7.296	ug/L	1.2314	-7.296	ug/L	1.2314	16.88%
Sr 421.552†	100111.9	139.8	ug/L	0.40	139.8	ug/L	0.40	0.29%
Tl 190.801†	-18.3	-10.74	ug/L	7.555	-10.74	ug/L	7.555	70.34%
Zn 206.200†	1438.9	150.5	ug/L	4.77	150.5	ug/L	4.77	3.17%
Ti 334.940†	-909.8	-1.862	ug/L	0.0608	-1.862	ug/L	0.0608	3.27%
B 249.772†	751.5	18.70	ug/L	0.190	18.70	ug/L	0.190	1.01%

Cu 324.752†	290.5	1.399	ug/L	0.3820	1.399	ug/L	0.3820	27.29%
S 181.975†	1295.4	12710	ug/L	146.6	12710	ug/L	146.6	1.15%
Zr 343.823†	-1.1	-0.167	ug/L	0.1651	-0.167	ug/L	0.1651	98.83%
Li 670.784†	484.4	2.464	ug/L	0.3346	2.464	ug/L	0.3346	13.58%

Sequence No.: 48
Sample ID: 220-15978-h-2-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 70
Date Collected: 7/20/2011 1:28:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15978-h-2-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	783095.9	1.039	mg/L	0.0197				1.89%
Y (radial)	104256.4	1.077	mg/L	0.0018				0.17%
Ag 328.068†	-63.4	-0.427	ug/L	0.0595	-0.427	ug/L	0.0595	13.94%
Al 396.153†	2067.3	254.0	ug/L	7.90	254.0	ug/L	7.90	3.11%
As 188.979†	-6.5	-8.211	ug/L	4.6858	-8.211	ug/L	4.6858	57.07%
Ba 233.527†	2104.5	38.92	ug/L	0.638	38.92	ug/L	0.638	1.64%
Be 313.107†	23.2	0.051	ug/L	0.0241	0.051	ug/L	0.0241	47.22%
Ca 317.933†	592288.5	82810	ug/L	406.5	82810	ug/L	406.5	0.49%
Cd 214.440†	-7.2	-0.243	ug/L	0.0925	-0.243	ug/L	0.0925	38.08%
Co 228.616†	8.2	0.709	ug/L	0.6543	0.709	ug/L	0.6543	92.24%
Cr 267.716†	7.2	0.543	ug/L	0.6064	0.543	ug/L	0.6064	111.64%
Fe 238.204†	945.7	497.8	ug/L	3.32	497.8	ug/L	3.32	0.67%
K 766.490†	9330.2	1658	ug/L	17.1	1658	ug/L	17.1	1.03%
Mg 285.213†	157448.9	15760	ug/L	24.1	15760	ug/L	24.1	0.15%
Mn 257.610†	8212.2	22.58	ug/L	0.312	22.58	ug/L	0.312	1.38%
Mo 202.031†	-9.4	-2.343	ug/L	2.0886	-2.343	ug/L	2.0886	89.15%
Na 589.592†	64569.4	8770	ug/L	42.6	8770	ug/L	42.6	0.49%
Ni 231.604†	2.4	0.344	ug/L	1.8041	0.344	ug/L	1.8041	524.92%
Pb 220.353†	-6.9	-5.263	ug/L	4.4595	-5.263	ug/L	4.4595	84.73%
Sb 206.836†	-40.3	-22.78	ug/L	3.522	-22.78	ug/L	3.522	15.46%
Se 196.026†	-30.3	-43.47	ug/L	5.468	-43.47	ug/L	5.468	12.58%
V 311.071†	539.9	3.841	ug/L	0.0047	3.841	ug/L	0.0047	0.12%
Sn 189.927†	-23.2	-11.97	ug/L	0.769	-11.97	ug/L	0.769	6.42%
Sr 421.552†	157562.4	220.6	ug/L	0.86	220.6	ug/L	0.86	0.39%
Tl 190.801†	-13.1	-6.745	ug/L	2.7913	-6.745	ug/L	2.7913	41.39%
Zn 206.200†	226.9	23.74	ug/L	0.815	23.74	ug/L	0.815	3.43%
Ti 334.940†	3582.6	7.330	ug/L	0.1747	7.330	ug/L	0.1747	2.38%
B 249.772†	581.6	17.48	ug/L	0.001	17.48	ug/L	0.001	0.00%
Cu 324.752†	507.5	2.175	ug/L	0.1035	2.175	ug/L	0.1035	4.76%
S 181.975†	1623.7	15900	ug/L	107.7	15900	ug/L	107.7	0.68%
Zr 343.823†	-5.3	-0.062	ug/L	0.0143	-0.062	ug/L	0.0143	23.18%
Li 670.784†	428.8	2.181	ug/L	0.0810	2.181	ug/L	0.0810	3.71%

Sequence No.: 49
Sample ID: 220-15978-h-3-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 71
Date Collected: 7/20/2011 1:31:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15978-h-3-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	772917.4	1.026	mg/L	0.0112				1.09%
Y (radial)	103081.6	1.065	mg/L	0.0009				0.09%
Ag 328.068†	-224.9	-1.580	ug/L	0.0376	-1.580	ug/L	0.0376	2.38%
Al 396.153†	5030.2	618.1	ug/L	4.46	618.1	ug/L	4.46	0.72%
As 188.979†	-11.2	-14.19	ug/L	0.682	-14.19	ug/L	0.682	4.81%
Ba 233.527†	5893.3	109.0	ug/L	1.21	109.0	ug/L	1.21	1.11%
Be 313.107†	-112.0	-0.046	ug/L	0.1745	-0.046	ug/L	0.1745	382.42%
Ca 317.933†	1551761.4	217000	ug/L	1136.4	217000	ug/L	1136.4	0.52%
Cd 214.440†	-9.7	-0.331	ug/L	0.0124	-0.331	ug/L	0.0124	3.75%
Co 228.616†	22.9	2.006	ug/L	0.6399	2.006	ug/L	0.6399	31.90%
Cr 267.716†	-30.8	-0.906	ug/L	0.6351	-0.906	ug/L	0.6351	70.12%
Fe 238.204†	1632.0	859.0	ug/L	9.76	859.0	ug/L	9.76	1.14%

K 766.490†	18168.4	3228	ug/L	15.7	3228	ug/L	15.7	0.49%
Mg 285.213†	502920.5	50330	ug/L	27.6	50330	ug/L	27.6	0.05%
Mn 257.610†	141685.5	399.5	ug/L	0.30	399.5	ug/L	0.30	0.08%
Mo 202.031†	-17.0	-4.229	ug/L	0.9692	-4.229	ug/L	0.9692	22.92%
Na 589.592†	245974.4	33410	ug/L	82.2	33410	ug/L	82.2	0.25%
Ni 231.604†	50.9	7.392	ug/L	1.1336	7.392	ug/L	1.1336	15.33%
Pb 220.353†	-11.4	-8.740	ug/L	0.4367	-8.740	ug/L	0.4367	5.00%
Sb 206.836†	-49.9	-15.91	ug/L	0.785	-15.91	ug/L	0.785	4.93%
Se 196.026†	-43.8	-33.54	ug/L	18.960	-33.54	ug/L	18.960	56.53%
V 311.071†	688.3	5.482	ug/L	0.8636	5.482	ug/L	0.8636	15.75%
Sn 189.927†	-29.5	-10.63	ug/L	2.815	-10.63	ug/L	2.815	26.47%
Sr 421.552†	378497.9	529.8	ug/L	0.04	529.8	ug/L	0.04	0.01%
Tl 190.801†	-20.9	-7.454	ug/L	0.6107	-7.454	ug/L	0.6107	8.19%
Zn 206.200†	69.2	7.225	ug/L	0.0177	7.225	ug/L	0.0177	0.25%
Ti 334.940†	7986.3	16.34	ug/L	0.442	16.34	ug/L	0.442	2.71%
B 249.772†	1326.5	41.04	ug/L	0.955	41.04	ug/L	0.955	2.33%
Cu 324.752†	471.3	2.068	ug/L	0.3265	2.068	ug/L	0.3265	15.79%
S 181.975†	3643.3	36140	ug/L	428.0	36140	ug/L	428.0	1.18%
Zr 343.823†	-19.7	-0.264	ug/L	0.1239	-0.264	ug/L	0.1239	46.96%
Li 670.784†	2162.3	11.00	ug/L	0.237	11.00	ug/L	0.237	2.15%

Sequence No.: 50
Sample ID: 220-15978-h-4-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 72
Date Collected: 7/20/2011 1:35:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15978-h-4-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	759619.9	1.008	mg/L	0.0062				0.61%
Y (radial)	102245.2	1.056	mg/L	0.0079				0.75%
Ag 328.068†	-206.7	-1.467	ug/L	0.0377	-1.467	ug/L	0.0377	2.57%
Al 396.153†	773.5	95.23	ug/L	3.637	95.23	ug/L	3.637	3.82%
As 188.979†	-8.8	-11.12	ug/L	7.052	-11.12	ug/L	7.052	63.41%
Ba 233.527†	3499.1	64.72	ug/L	0.819	64.72	ug/L	0.819	1.27%
Be 313.107†	-24.9	-0.026	ug/L	0.0077	-0.026	ug/L	0.0077	29.24%
Ca 317.933†	1305485.0	182500	ug/L	41.7	182500	ug/L	41.7	0.02%
Cd 214.440†	-10.2	-0.336	ug/L	0.3053	-0.336	ug/L	0.3053	90.75%
Co 228.616†	34.9	3.049	ug/L	0.1485	3.049	ug/L	0.1485	4.87%
Cr 267.716†	-34.1	-1.197	ug/L	1.8985	-1.197	ug/L	1.8985	158.60%
Fe 238.204†	820.4	431.8	ug/L	0.25	431.8	ug/L	0.25	0.06%
K 766.490†	11601.8	2062	ug/L	7.7	2062	ug/L	7.7	0.37%
Mg 285.213†	394918.1	39520	ug/L	13.4	39520	ug/L	13.4	0.03%
Mn 257.610†	28505.0	79.05	ug/L	0.064	79.05	ug/L	0.064	0.08%
Mo 202.031†	-19.0	-4.747	ug/L	0.4270	-4.747	ug/L	0.4270	8.99%
Na 589.592†	263218.4	35750	ug/L	22.0	35750	ug/L	22.0	0.06%
Ni 231.604†	15.2	2.215	ug/L	0.8849	2.215	ug/L	0.8849	39.95%
Pb 220.353†	-6.7	-5.152	ug/L	0.3595	-5.152	ug/L	0.3595	6.98%
Sb 206.836†	-47.3	-17.50	ug/L	8.542	-17.50	ug/L	8.542	48.81%
Se 196.026†	-54.2	-67.62	ug/L	12.153	-67.62	ug/L	12.153	17.97%
V 311.071†	571.0	4.783	ug/L	0.0577	4.783	ug/L	0.0577	1.21%
Sn 189.927†	-8.7	1.634	ug/L	6.1850	1.634	ug/L	6.1850	378.56%
Sr 421.552†	366725.6	513.7	ug/L	0.65	513.7	ug/L	0.65	0.13%
Tl 190.801†	-16.8	-5.938	ug/L	2.0676	-5.938	ug/L	2.0676	34.82%
Zn 206.200†	83.8	8.754	ug/L	0.4377	8.754	ug/L	0.4377	5.00%
Ti 334.940†	-268.0	-0.548	ug/L	0.2057	-0.548	ug/L	0.2057	37.52%
B 249.772†	3121.2	103.4	ug/L	2.98	103.4	ug/L	2.98	2.89%
Cu 324.752†	1003.6	4.235	ug/L	0.2341	4.235	ug/L	0.2341	5.53%
S 181.975†	1443.5	14910	ug/L	346.8	14910	ug/L	346.8	2.33%
Zr 343.823†	-102.3	-0.554	ug/L	0.0196	-0.554	ug/L	0.0196	3.54%
Li 670.784†	3211.5	16.33	ug/L	0.159	16.33	ug/L	0.159	0.97%

Sequence No.: 51
Sample ID: 220-15975-d-8-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 73
Date Collected: 7/20/2011 1:38:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15975-d-8-a

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	758023.9	1.006	mg/L	0.0049				0.49%
Y (radial)	104178.1	1.076	mg/L	0.0109				1.01%
Ag 328.068†	-25.5	-0.177	ug/L	0.0641	-0.177	ug/L	0.0641	36.11%
Al 396.153†	31.6	4.012	ug/L	0.1611	4.012	ug/L	0.1611	4.02%
As 188.979†	-8.0	-10.14	ug/L	5.204	-10.14	ug/L	5.204	51.31%
Ba 233.527†	25323.7	468.4	ug/L	2.85	468.4	ug/L	2.85	0.61%
Be 313.107†	-33.5	-0.035	ug/L	0.0052	-0.035	ug/L	0.0052	14.82%
Ca 317.933†	199319.2	27870	ug/L	71.9	27870	ug/L	71.9	0.26%
Cd 214.440†	2.9	0.091	ug/L	0.1452	0.091	ug/L	0.1452	160.07%
Co 228.616†	5.8	0.947	ug/L	0.3236	0.947	ug/L	0.3236	34.17%
Cr 267.716†	-12.6	-0.529	ug/L	0.2284	-0.529	ug/L	0.2284	43.15%
Fe 238.204†	140.6	73.99	ug/L	1.558	73.99	ug/L	1.558	2.11%
K 766.490†	28124.4	4998	ug/L	19.1	4998	ug/L	19.1	0.38%
Mg 285.213†	70784.0	7083	ug/L	15.6	7083	ug/L	15.6	0.22%
Mn 257.610†	58309.2	165.0	ug/L	0.45	165.0	ug/L	0.45	0.27%
Mo 202.031†	-11.2	-2.795	ug/L	0.8582	-2.795	ug/L	0.8582	30.70%
Na 589.592†	587884.6	79850	ug/L	92.5	79850	ug/L	92.5	0.12%
Ni 231.604†	1.7	0.244	ug/L	0.3748	0.244	ug/L	0.3748	153.31%
Pb 220.353†	-1.3	-1.022	ug/L	0.5680	-1.022	ug/L	0.5680	55.56%
Sb 206.836†	-25.1	-16.79	ug/L	0.151	-16.79	ug/L	0.151	0.90%
Se 196.026†	-18.7	-33.77	ug/L	14.549	-33.77	ug/L	14.549	43.08%
V 311.071†	139.9	1.043	ug/L	0.3847	1.043	ug/L	0.3847	36.89%
Sn 189.927†	-21.4	-13.08	ug/L	2.007	-13.08	ug/L	2.007	15.35%
Sr 421.552†	86744.7	121.7	ug/L	0.29	121.7	ug/L	0.29	0.24%
Tl 190.801†	-4.3	-2.222	ug/L	4.5993	-2.222	ug/L	4.5993	206.99%
Zn 206.200†	47.6	4.974	ug/L	0.2208	4.974	ug/L	0.2208	4.44%
Ti 334.940†	-326.0	-0.667	ug/L	0.0257	-0.667	ug/L	0.0257	3.85%
B 249.772†	676.2	22.48	ug/L	0.315	22.48	ug/L	0.315	1.40%
Cu 324.752†	65.4	0.281	ug/L	0.1057	0.281	ug/L	0.1057	37.57%
S 181.975†	1089.3	10560	ug/L	151.8	10560	ug/L	151.8	1.44%
Zr 343.823†	-51.3	-1.356	ug/L	0.0660	-1.356	ug/L	0.0660	4.87%
Li 670.784†	-41.6	-0.212	ug/L	0.4087	-0.212	ug/L	0.4087	192.96%

Sequence No.: 52
Sample ID: 220-15975-d-8-b du
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 74
Date Collected: 7/20/2011 1:41:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15975-d-8-b du

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	764145.2	1.014	mg/L	0.0086				0.85%
Y (radial)	101938.8	1.053	mg/L	0.0304				2.89%
Ag 328.068†	-16.6	-0.202	ug/L	0.3259	-0.202	ug/L	0.3259	161.29%
Al 396.153†	288.4	35.53	ug/L	2.141	35.53	ug/L	2.141	6.03%
As 188.979†	-5.6	-7.145	ug/L	3.5948	-7.145	ug/L	3.5948	50.31%
Ba 233.527†	25375.2	469.3	ug/L	0.49	469.3	ug/L	0.49	0.10%
Be 313.107†	-62.2	-0.063	ug/L	0.0073	-0.063	ug/L	0.0073	11.45%
Ca 317.933†	199673.2	27920	ug/L	43.3	27920	ug/L	43.3	0.16%
Cd 214.440†	-5.1	-0.163	ug/L	0.0488	-0.163	ug/L	0.0488	29.98%
Co 228.616†	-1.7	0.297	ug/L	0.1486	0.297	ug/L	0.1486	50.01%
Cr 267.716†	-11.4	-0.472	ug/L	0.3210	-0.472	ug/L	0.3210	67.98%
Fe 238.204†	140.6	73.99	ug/L	1.330	73.99	ug/L	1.330	1.80%
K 766.490†	28071.8	4988	ug/L	41.9	4988	ug/L	41.9	0.84%
Mg 285.213†	70828.2	7088	ug/L	2.4	7088	ug/L	2.4	0.03%
Mn 257.610†	58035.2	164.2	ug/L	0.00	164.2	ug/L	0.00	0.00%
Mo 202.031†	-8.4	-2.091	ug/L	1.9190	-2.091	ug/L	1.9190	91.77%
Na 589.592†	587321.7	79770	ug/L	187.7	79770	ug/L	187.7	0.24%
Ni 231.604†	0.2	0.028	ug/L	0.0314	0.028	ug/L	0.0314	110.39%
Pb 220.353†	0.2	0.131	ug/L	3.6952	0.131	ug/L	3.6952	>999.9%
Sb 206.836†	-24.0	-15.88	ug/L	1.210	-15.88	ug/L	1.210	7.62%
Se 196.026†	-11.7	-17.96	ug/L	0.557	-17.96	ug/L	0.557	3.10%
V 311.071†	170.4	1.171	ug/L	0.4250	1.171	ug/L	0.4250	36.28%
Sn 189.927†	-12.8	-7.325	ug/L	9.0808	-7.325	ug/L	9.0808	123.98%
Sr 421.552†	86762.1	121.7	ug/L	0.30	121.7	ug/L	0.30	0.25%

Tl 190.801†	-2.5	-0.869 ug/L	0.2026	-0.869 ug/L	0.2026	23.32%
Zn 206.200†	36.3	3.789 ug/L	0.1256	3.789 ug/L	0.1256	3.31%
Ti 334.940†	-383.1	-0.784 ug/L	0.0031	-0.784 ug/L	0.0031	0.39%
B 249.772†	633.6	21.04 ug/L	0.326	21.04 ug/L	0.326	1.55%
Cu 324.752†	18.7	0.087 ug/L	0.0284	0.087 ug/L	0.0284	32.62%
S 181.975†	1066.9	10350 ug/L	12.8	10350 ug/L	12.8	0.12%
Zr 343.823†	2824.5	12.08 ug/L	0.016	12.08 ug/L	0.016	0.13%
Li 670.784†	-184.0	-0.936 ug/L	0.1225	-0.936 ug/L	0.1225	13.09%

Sequence No.: 53
Sample ID: 220-15975-d-8-c ms
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 75
Date Collected: 7/20/2011 1:44:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15975-d-8-c ms

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	776034.0	1.030	mg/L	0.0072				0.70%
Y (radial)	101923.4	1.053	mg/L	0.0109				1.04%
Ag 328.068†	16741.8	119.4	ug/L	0.48	119.4	ug/L	0.48	0.40%
Al 396.153†	28295.2	3457	ug/L	2.3	3457	ug/L	2.3	0.07%
As 188.979†	321.6	407.6	ug/L	7.33	407.6	ug/L	7.33	1.80%
Ba 233.527†	31772.6	587.8	ug/L	3.47	587.8	ug/L	3.47	0.59%
Be 313.107†	42906.8	43.32	ug/L	0.391	43.32	ug/L	0.391	0.90%
Ca 317.933†	252671.3	35330	ug/L	228.4	35330	ug/L	228.4	0.65%
Cd 214.440†	3911.0	123.6	ug/L	0.67	123.6	ug/L	0.67	0.54%
Co 228.616†	1449.6	125.0	ug/L	0.63	125.0	ug/L	0.63	0.50%
Cr 267.716†	2530.4	123.8	ug/L	1.75	123.8	ug/L	1.75	1.41%
Fe 238.204†	6788.7	3573	ug/L	19.6	3573	ug/L	19.6	0.55%
K 766.490†	111943.1	19890	ug/L	35.5	19890	ug/L	35.5	0.18%
Mg 285.213†	141496.8	14160	ug/L	44.8	14160	ug/L	44.8	0.32%
Mn 257.610†	86619.1	245.0	ug/L	1.73	245.0	ug/L	1.73	0.71%
Mo 202.031†	1634.6	409.3	ug/L	4.00	409.3	ug/L	4.00	0.98%
Na 589.592†	640098.8	86940	ug/L	145.0	86940	ug/L	145.0	0.17%
Ni 231.604†	862.4	125.5	ug/L	0.73	125.5	ug/L	0.73	0.59%
Pb 220.353†	527.0	402.0	ug/L	2.99	402.0	ug/L	2.99	0.74%
Sb 206.836†	515.0	412.3	ug/L	1.75	412.3	ug/L	1.75	0.42%
Se 196.026†	68.7	167.9	ug/L	9.61	167.9	ug/L	9.61	5.72%
V 311.071†	20727.0	120.9	ug/L	0.35	120.9	ug/L	0.35	0.29%
Sn 189.927†	612.9	409.4	ug/L	10.46	409.4	ug/L	10.46	2.55%
Sr 421.552†	87784.5	123.1	ug/L	0.30	123.1	ug/L	0.30	0.24%
Tl 190.801†	542.9	420.7	ug/L	0.73	420.7	ug/L	0.73	0.17%
Zn 206.200†	1223.8	129.1	ug/L	1.78	129.1	ug/L	1.78	1.38%
Ti 334.940†	201921.5	413.1	ug/L	1.38	413.1	ug/L	1.38	0.34%
B 249.772†	12488.9	405.7	ug/L	3.10	405.7	ug/L	3.10	0.76%
Cu 324.752†	31133.0	130.2	ug/L	0.49	130.2	ug/L	0.49	0.38%
S 181.975†	915.8	9130	ug/L	167.8	9130	ug/L	167.8	1.84%
Zr 343.823†	88093.1	407.1	ug/L	1.35	407.1	ug/L	1.35	0.33%
Li 670.784†	233.3	1.187	ug/L	0.2554	1.187	ug/L	0.2554	21.53%

Sequence No.: 54
Sample ID: 220-15975-d-8-d msd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 76
Date Collected: 7/20/2011 1:47:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15975-d-8-d msd

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	776835.6	1.031	mg/L	0.0180				1.75%
Y (radial)	100842.4	1.041	mg/L	0.0003				0.03%
Ag 328.068†	16969.3	121.1	ug/L	0.24	121.1	ug/L	0.24	0.20%
Al 396.153†	28538.5	3486	ug/L	1.0	3486	ug/L	1.0	0.03%
As 188.979†	326.3	413.6	ug/L	4.41	413.6	ug/L	4.41	1.07%
Ba 233.527†	32295.4	597.5	ug/L	1.11	597.5	ug/L	1.11	0.19%
Be 313.107†	43257.7	43.68	ug/L	0.116	43.68	ug/L	0.116	0.27%
Ca 317.933†	258888.2	36200	ug/L	287.3	36200	ug/L	287.3	0.79%

Cd 214.440†	3952.1	124.9	ug/L	1.88	124.9	ug/L	1.88	1.51%
Co 228.616†	1466.9	126.5	ug/L	2.02	126.5	ug/L	2.02	1.60%
Cr 267.716†	2568.8	125.7	ug/L	2.63	125.7	ug/L	2.63	2.09%
Fe 238.204†	6802.3	3580	ug/L	0.9	3580	ug/L	0.9	0.02%
K 766.490†	114620.8	20370	ug/L	434.6	20370	ug/L	434.6	2.13%
Mg 285.213†	144773.0	14490	ug/L	264.2	14490	ug/L	264.2	1.82%
Mn 257.610†	88302.7	249.7	ug/L	0.23	249.7	ug/L	0.23	0.09%
Mo 202.031†	1663.8	416.6	ug/L	7.46	416.6	ug/L	7.46	1.79%
Na 589.592†	657627.5	89320	ug/L	1910.2	89320	ug/L	1910.2	2.14%
Ni 231.604†	874.2	127.3	ug/L	2.15	127.3	ug/L	2.15	1.69%
Pb 220.353†	545.4	416.0	ug/L	8.95	416.0	ug/L	8.95	2.15%
Sb 206.836†	520.1	416.5	ug/L	9.02	416.5	ug/L	9.02	2.17%
Se 196.026†	77.2	187.4	ug/L	2.02	187.4	ug/L	2.02	1.08%
V 311.071†	20977.5	122.4	ug/L	0.34	122.4	ug/L	0.34	0.28%
Sn 189.927†	625.7	418.0	ug/L	11.89	418.0	ug/L	11.89	2.84%
Sr 421.552†	89718.3	125.8	ug/L	2.54	125.8	ug/L	2.54	2.02%
Tl 190.801†	533.6	413.7	ug/L	3.55	413.7	ug/L	3.55	0.86%
Zn 206.200†	1221.7	128.9	ug/L	0.70	128.9	ug/L	0.70	0.54%
Ti 334.940†	203680.8	416.7	ug/L	0.22	416.7	ug/L	0.22	0.05%
B 249.772†	12652.4	411.2	ug/L	4.49	411.2	ug/L	4.49	1.09%
Cu 324.752†	31724.1	132.6	ug/L	0.16	132.6	ug/L	0.16	0.12%
S 181.975†	937.1	9342	ug/L	207.9	9342	ug/L	207.9	2.23%
Zr 343.823†	88533.9	409.1	ug/L	0.07	409.1	ug/L	0.07	0.02%
Li 670.784†	256.5	1.304	ug/L	0.0512	1.304	ug/L	0.0512	3.93%

Sequence No.: 55
Sample ID: lcs 220-53046/2-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 77
Date Collected: 7/20/2011 1:50:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: lcs 220-53046/2-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	783583.1	1.040	mg/L	0.0053				0.51%
Y (radial)	101448.0	1.048	mg/L	0.0082				0.78%
Ag 328.068†	42039.6	299.6	ug/L	0.47	299.6	ug/L	0.47	0.16%
Al 396.153†	28250.7	3422	ug/L	5.5	3422	ug/L	5.5	0.16%
As 188.979†	797.3	1010	ug/L	9.6	1010	ug/L	9.6	0.95%
Ba 233.527†	16784.9	311.0	ug/L	0.03	311.0	ug/L	0.03	0.01%
Be 313.107†	106110.6	107.1	ug/L	0.33	107.1	ug/L	0.33	0.30%
Ca 317.933†	49540.7	6926	ug/L	5.4	6926	ug/L	5.4	0.08%
Cd 214.440†	9959.2	314.8	ug/L	3.08	314.8	ug/L	3.08	0.98%
Co 228.616†	3722.9	320.2	ug/L	4.23	320.2	ug/L	4.23	1.32%
Cr 267.716†	6426.5	314.1	ug/L	3.11	314.1	ug/L	3.11	0.99%
Fe 238.204†	6681.6	3517	ug/L	49.7	3517	ug/L	49.7	1.41%
K 766.490†	154137.9	27390	ug/L	62.8	27390	ug/L	62.8	0.23%
Mg 285.213†	70289.2	7036	ug/L	3.8	7036	ug/L	3.8	0.05%
Mn 257.610†	72832.3	206.2	ug/L	0.33	206.2	ug/L	0.33	0.16%
Mo 202.031†	4162.7	1042	ug/L	10.9	1042	ug/L	10.9	1.04%
Na 589.592†	49613.7	6739	ug/L	22.2	6739	ug/L	22.2	0.33%
Ni 231.604†	2228.6	324.5	ug/L	2.81	324.5	ug/L	2.81	0.87%
Pb 220.353†	1386.6	1058	ug/L	4.3	1058	ug/L	4.3	0.41%
Sb 206.836†	1337.2	1061	ug/L	11.2	1061	ug/L	11.2	1.06%
Se 196.026†	234.0	532.9	ug/L	9.24	532.9	ug/L	9.24	1.73%
V 311.071†	51362.1	299.3	ug/L	0.76	299.3	ug/L	0.76	0.25%
Sn 189.927†	1555.3	1035	ug/L	2.5	1035	ug/L	2.5	0.24%
Sr 421.552†	-93.0	-0.230	ug/L	0.0599	-0.230	ug/L	0.0599	26.06%
Tl 190.801†	1399.4	1080	ug/L	10.9	1080	ug/L	10.9	1.01%
Zn 206.200†	3041.0	320.8	ug/L	0.25	320.8	ug/L	0.25	0.08%
Ti 334.940†	498808.6	1021	ug/L	0.6	1021	ug/L	0.6	0.06%
B 249.772†	28640.5	950.4	ug/L	3.02	950.4	ug/L	3.02	0.32%
Cu 324.752†	76019.1	317.2	ug/L	0.45	317.2	ug/L	0.45	0.14%
S 181.975†	-187.8	-1570	ug/L	23.2	-1570	ug/L	23.2	1.48%
Zr 343.823†	218837.1	1014	ug/L	1.0	1014	ug/L	1.0	0.10%
Li 670.784†	218.6	1.112	ug/L	0.4491	1.112	ug/L	0.4491	40.40%

Sequence No.: 56
Sample ID: CCV

Autosampler Location: 7
Date Collected: 7/20/2011 1:54:29 PM

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	759412.4	1.008	mg/L	0.0033				0.33%
Y (radial)	98601.6	1.018	mg/L	0.0128				1.25%
Ag 328.068†	34497.3	249.0	ug/L	0.12	249.0	ug/L	0.12	0.05%
QC value within limits for Ag 328.068 Recovery = 99.61%								
Al 396.153†	41064.0	5021	ug/L	12.6	5021	ug/L	12.6	0.25%
QC value within limits for Al 396.153 Recovery = 100.42%								
As 188.979†	419.2	534.1	ug/L	7.22	534.1	ug/L	7.22	1.35%
QC value within limits for As 188.979 Recovery = 106.82%								
Ba 233.527†	27495.6	509.5	ug/L	0.76	509.5	ug/L	0.76	0.15%
QC value within limits for Ba 233.527 Recovery = 101.89%								
Be 313.107†	519047.0	506.7	ug/L	1.08	506.7	ug/L	1.08	0.21%
QC value within limits for Be 313.107 Recovery = 101.34%								
Ca 317.933†	132393.1	18510	ug/L	50.4	18510	ug/L	50.4	0.27%
QC value within limits for Ca 317.933 Recovery = 100.05%								
Cd 214.440†	16376.3	517.7	ug/L	0.91	517.7	ug/L	0.91	0.17%
QC value within limits for Cd 214.440 Recovery = 103.53%								
Co 228.616†	6062.1	522.3	ug/L	3.45	522.3	ug/L	3.45	0.66%
QC value within limits for Co 228.616 Recovery = 104.47%								
Cr 267.716†	10621.0	519.2	ug/L	2.72	519.2	ug/L	2.72	0.52%
QC value within limits for Cr 267.716 Recovery = 103.83%								
Fe 238.204†	10771.2	5669	ug/L	10.3	5669	ug/L	10.3	0.18%
QC value within limits for Fe 238.204 Recovery = 103.08%								
K 766.490†	224547.6	39900	ug/L	36.5	39900	ug/L	36.5	0.09%
QC value within limits for K 766.490 Recovery = 99.75%								
Mg 285.213†	192396.5	19260	ug/L	109.9	19260	ug/L	109.9	0.57%
QC value within limits for Mg 285.213 Recovery = 104.09%								
Mn 257.610†	181329.7	513.3	ug/L	0.34	513.3	ug/L	0.34	0.07%
QC value within limits for Mn 257.610 Recovery = 102.66%								
Mo 202.031†	1997.8	500.3	ug/L	1.60	500.3	ug/L	1.60	0.32%
QC value within limits for Mo 202.031 Recovery = 100.05%								
Na 589.592†	291741.5	39620	ug/L	22.6	39620	ug/L	22.6	0.06%
QC value within limits for Na 589.592 Recovery = 99.06%								
Ni 231.604†	3648.5	531.2	ug/L	3.94	531.2	ug/L	3.94	0.74%
QC value within limits for Ni 231.604 Recovery = 106.24%								
Pb 220.353†	677.3	516.5	ug/L	8.43	516.5	ug/L	8.43	1.63%
QC value within limits for Pb 220.353 Recovery = 103.30%								
Sb 206.836†	651.1	512.7	ug/L	1.67	512.7	ug/L	1.67	0.33%
QC value within limits for Sb 206.836 Recovery = 102.54%								
Se 196.026†	215.1	495.0	ug/L	6.92	495.0	ug/L	6.92	1.40%
QC value within limits for Se 196.026 Recovery = 99.00%								
V 311.071†	81302.3	491.3	ug/L	0.21	491.3	ug/L	0.21	0.04%
QC value within limits for V 311.071 Recovery = 98.27%								
Sn 189.927†	769.6	513.0	ug/L	2.89	513.0	ug/L	2.89	0.56%
QC value within limits for Sn 189.927 Recovery = 102.61%								
Sr 421.552†	351178.0	494.1	ug/L	0.56	494.1	ug/L	0.56	0.11%
QC value within limits for Sr 421.552 Recovery = 98.83%								
Tl 190.801†	689.0	531.4	ug/L	8.09	531.4	ug/L	8.09	1.52%
QC value within limits for Tl 190.801 Recovery = 106.27%								
Zn 206.200†	4938.2	521.0	ug/L	0.74	521.0	ug/L	0.74	0.14%
QC value within limits for Zn 206.200 Recovery = 104.20%								
Ti 334.940†	251201.8	513.9	ug/L	0.75	513.9	ug/L	0.75	0.15%
QC value within limits for Ti 334.940 Recovery = 102.79%								
B 249.772†	14475.2	463.7	ug/L	2.54	463.7	ug/L	2.54	0.55%
QC value within limits for B 249.772 Recovery = 92.74%								
Cu 324.752†	122944.4	513.0	ug/L	0.02	513.0	ug/L	0.02	0.00%
QC value within limits for Cu 324.752 Recovery = 102.59%								
S 181.975†	1010.1	10180	ug/L	17.4	10180	ug/L	17.4	0.17%
QC value within limits for S 181.975 Recovery = 101.81%								
Zr 343.823†	105622.6	488.2	ug/L	0.21	488.2	ug/L	0.21	0.04%
QC value within limits for Zr 343.823 Recovery = 97.63%								
Li 670.784†	97725.0	497.0	ug/L	1.04	497.0	ug/L	1.04	0.21%
QC value within limits for Li 670.784 Recovery = 99.41%								

All analyte(s) passed QC.

Sequence No.: 57
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/20/2011 1:58:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	788928.8	1.047	mg/L	0.0125				1.19%
Y (radial)	100787.1	1.041	mg/L	0.0070				0.67%
Ag 328.068†	0.8	0.003	ug/L	0.0082	0.003	ug/L	0.0082	313.03%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	23.7	2.937	ug/L	0.0027	2.937	ug/L	0.0027	0.09%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-2.1	-2.608	ug/L	7.7564	-2.608	ug/L	7.7564	297.46%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	15.0	0.278	ug/L	0.1933	0.278	ug/L	0.1933	69.53%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	24.1	0.024	ug/L	0.0230	0.024	ug/L	0.0230	97.00%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	22.8	3.183	ug/L	0.6051	3.183	ug/L	0.6051	19.01%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	-0.4	-0.013	ug/L	0.2064	-0.013	ug/L	0.2064	>999.9%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-11.5	-0.990	ug/L	0.0252	-0.990	ug/L	0.0252	2.55%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-10.1	-0.494	ug/L	0.2670	-0.494	ug/L	0.2670	54.05%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Fe 238.204†	-6.1	-3.207	ug/L	2.7114	-3.207	ug/L	2.7114	84.54%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	41.4	7.358	ug/L	9.4361	7.358	ug/L	9.4361	128.24%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	19.0	1.899	ug/L	0.3303	1.899	ug/L	0.3303	17.40%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	-16.2	-0.046	ug/L	0.0203	-0.046	ug/L	0.0203	44.22%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-1.8	-0.442	ug/L	0.4923	-0.442	ug/L	0.4923	111.38%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-812.3	-110.3	ug/L	9.81	-110.3	ug/L	9.81	8.89%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-5.7	-0.835	ug/L	0.2206	-0.835	ug/L	0.2206	26.42%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.2	0.903	ug/L	1.8194	0.903	ug/L	1.8194	201.59%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	9.7	7.653	ug/L	2.1608	7.653	ug/L	2.1608	28.23%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-4.4	-9.988	ug/L	8.1916	-9.988	ug/L	8.1916	82.01%
QC value within limits for Se 196.026 Recovery = Not calculated								
V 311.071†	-6.7	-0.044	ug/L	0.3231	-0.044	ug/L	0.3231	739.54%
QC value within limits for V 311.071 Recovery = Not calculated								
Sn 189.927†	1.4	0.897	ug/L	1.5979	0.897	ug/L	1.5979	178.21%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	72.9	0.103	ug/L	0.0925	0.103	ug/L	0.0925	90.11%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Tl 190.801†	5.4	4.139	ug/L	0.8405	4.139	ug/L	0.8405	20.30%
QC value within limits for Tl 190.801 Recovery = Not calculated								
Zn 206.200†	1.6	0.168	ug/L	0.6400	0.168	ug/L	0.6400	381.57%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Ti 334.940†	37.0	0.076	ug/L	0.0681	0.076	ug/L	0.0681	89.87%
QC value within limits for Ti 334.940 Recovery = Not calculated								
B 249.772†	182.8	6.175	ug/L	0.0988	6.175	ug/L	0.0988	1.60%
QC value within limits for B 249.772 Recovery = Not calculated								
Cu 324.752†	-318.5	-1.328	ug/L	0.3955	-1.328	ug/L	0.3955	29.79%
QC value within limits for Cu 324.752 Recovery = Not calculated								
S 181.975†	-0.1	-0.849	ug/L	46.3050	-0.849	ug/L	46.3050	>999.9%
QC value within limits for S 181.975 Recovery = Not calculated								
Zr 343.823†	93.0	0.459	ug/L	0.0676	0.459	ug/L	0.0676	14.75%
QC value within limits for Zr 343.823 Recovery = Not calculated								
Li 670.784†	-39.3	-0.200	ug/L	0.6732	-0.200	ug/L	0.6732	336.99%

QC value within limits for Li 670.784 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 58
Sample ID: 220-15975-d-8-a sd@5
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 78
Date Collected: 7/20/2011 2:01:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15975-d-8-a sd@5

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	769020.5	1.021	mg/L	0.0095				0.93%
Y (radial)	101587.9	1.049	mg/L	0.0065				0.62%
Ag 328.068†	7.7	0.056	ug/L	0.2964	0.056	ug/L	0.2964	526.13%
Al 396.153†	-26.4	-3.163	ug/L	1.6316	-3.163	ug/L	1.6316	51.58%
As 188.979†	0.7	0.940	ug/L	1.0860	0.940	ug/L	1.0860	115.53%
Ba 233.527†	5386.7	99.63	ug/L	0.437	99.63	ug/L	0.437	0.44%
Be 313.107†	-40.3	-0.040	ug/L	0.0081	-0.040	ug/L	0.0081	20.22%
Ca 317.933†	41047.9	5739	ug/L	12.1	5739	ug/L	12.1	0.21%
Cd 214.440†	-0.3	-0.011	ug/L	0.0236	-0.011	ug/L	0.0236	220.29%
Co 228.616†	-6.2	-0.437	ug/L	0.4293	-0.437	ug/L	0.4293	98.13%
Cr 267.716†	2.7	0.147	ug/L	0.3459	0.147	ug/L	0.3459	235.54%
Fe 238.204†	20.7	10.90	ug/L	3.530	10.90	ug/L	3.530	32.38%
K 766.490†	5754.4	1023	ug/L	1.0	1023	ug/L	1.0	0.09%
Mg 285.213†	14552.1	1456	ug/L	4.6	1456	ug/L	4.6	0.32%
Mn 257.610†	12516.8	35.42	ug/L	0.008	35.42	ug/L	0.008	0.02%
Mo 202.031†	-6.5	-1.622	ug/L	0.3888	-1.622	ug/L	0.3888	23.97%
Na 589.592†	119801.2	16270	ug/L	48.1	16270	ug/L	48.1	0.30%
Ni 231.604†	-3.8	-0.548	ug/L	0.9554	-0.548	ug/L	0.9554	174.34%
Pb 220.353†	-11.6	-8.811	ug/L	5.3603	-8.811	ug/L	5.3603	60.84%
Sb 206.836†	-5.8	-3.991	ug/L	2.3972	-3.991	ug/L	2.3972	60.07%
Se 196.026†	-9.8	-20.42	ug/L	15.172	-20.42	ug/L	15.172	74.28%
V 311.071†	71.9	0.481	ug/L	0.1374	0.481	ug/L	0.1374	28.60%
Sn 189.927†	-5.4	-3.366	ug/L	2.8802	-3.366	ug/L	2.8802	85.57%
Sr 421.552†	17814.7	25.00	ug/L	0.030	25.00	ug/L	0.030	0.12%
Tl 190.801†	0.8	0.853	ug/L	4.3581	0.853	ug/L	4.3581	510.69%
Zn 206.200†	6.9	0.720	ug/L	0.0960	0.720	ug/L	0.0960	13.32%
Ti 334.940†	-137.7	-0.282	ug/L	0.0155	-0.282	ug/L	0.0155	5.48%
B 249.772†	219.6	7.355	ug/L	0.0045	7.355	ug/L	0.0045	0.06%
Cu 324.752†	-163.7	-0.681	ug/L	0.0821	-0.681	ug/L	0.0821	12.06%
S 181.975†	206.2	2003	ug/L	25.3	2003	ug/L	25.3	1.26%
Zr 343.823†	38.5	-0.085	ug/L	0.0529	-0.085	ug/L	0.0529	61.97%
Li 670.784†	190.4	0.968	ug/L	0.0692	0.968	ug/L	0.0692	7.14%

Sequence No.: 59
Sample ID: 220-16029-a-1-c
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 79
Date Collected: 7/20/2011 2:04:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16029-a-1-c

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	736820.9	0.978	mg/L	0.0010				0.11%
Y (radial)	100939.9	1.042	mg/L	0.0032				0.31%
Ag 328.068†	-56.2	-0.380	ug/L	0.1397	-0.380	ug/L	0.1397	36.79%
Al 396.153†	34.2	3.232	ug/L	3.0091	3.232	ug/L	3.0091	93.09%
As 188.979†	-4.7	-6.107	ug/L	15.0579	-6.107	ug/L	15.0579	246.56%
Ba 233.527†	1559.8	28.87	ug/L	0.070	28.87	ug/L	0.070	0.24%
Be 313.107†	-204.7	-0.203	ug/L	0.0080	-0.203	ug/L	0.0080	3.92%
Ca 317.933†	349345.0	48840	ug/L	56.4	48840	ug/L	56.4	0.12%
Cd 214.440†	-43.4	-1.374	ug/L	0.1480	-1.374	ug/L	0.1480	10.78%
Co 228.616†	0.1	0.065	ug/L	1.0212	0.065	ug/L	1.0212	>999.9%
Cr 267.716†	-40.1	-0.157	ug/L	0.3699	-0.157	ug/L	0.3699	235.60%
Fe 238.204†	92.5	48.70	ug/L	0.071	48.70	ug/L	0.071	0.15%
K 766.490†	9866.4	1753	ug/L	5.4	1753	ug/L	5.4	0.31%
Mg 285.213†	1554332.4	155500	ug/L	195.0	155500	ug/L	195.0	0.13%

Mn 257.610†	496.0	-5.563 ug/L	0.0200	-5.563 ug/L	0.0200	0.36%
Mo 202.031†	83.1	20.81 ug/L	2.233	20.81 ug/L	2.233	10.73%
Na 589.592†	4122090.0	559900 ug/L	202.6	559900 ug/L	202.6	0.04%
Ni 231.604†	11.2	1.625 ug/L	0.0011	1.625 ug/L	0.0011	0.07%
Pb 220.353†	-5.0	-3.770 ug/L	5.7848	-3.770 ug/L	5.7848	153.42%
Sb 206.836†	12.1	15.03 ug/L	0.156	15.03 ug/L	0.156	1.04%
Se 196.026†	-20.9	-32.60 ug/L	23.054	-32.60 ug/L	23.054	70.71%
V 311.071†	1570.2	7.425 ug/L	0.0836	7.425 ug/L	0.0836	1.13%
Sn 189.927†	-2.5	0.314 ug/L	6.0887	0.314 ug/L	6.0887	>999.9%
Sr 421.552†	105844.5	148.3 ug/L	0.07	148.3 ug/L	0.07	0.04%
Tl 190.801†	-19.7	-13.18 ug/L	13.616	-13.18 ug/L	13.616	103.32%
Zn 206.200†	82.1	8.578 ug/L	0.7967	8.578 ug/L	0.7967	9.29%
Ti 334.940†	-546.2	-1.117 ug/L	0.0526	-1.117 ug/L	0.0526	4.71%
B 249.772†	1124.5	37.70 ug/L	0.337	37.70 ug/L	0.337	0.89%
Cu 324.752†	15632.7	65.14 ug/L	0.135	65.14 ug/L	0.135	0.21%
S 181.975†	1066.7	14870 ug/L	10.8	14870 ug/L	10.8	0.07%
Zr 343.823†	50.5	0.216 ug/L	0.3584	0.216 ug/L	0.3584	165.95%
Li 670.784†	473.7	2.409 ug/L	0.2917	2.409 ug/L	0.2917	12.11%

Sequence No.: 60
Sample ID: 220-16029-a-2-b
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 80
Date Collected: 7/20/2011 2:08:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16029-a-2-b

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	730015.5	0.969	mg/L	0.0115				1.19%
Y (radial)	100564.9	1.039	mg/L	0.0018				0.18%
Ag 328.068†	-187.6	-1.340	ug/L	0.2325	-1.340	ug/L	0.2325	17.35%
Al 396.153†	20.6	-3.325	ug/L	0.6598	-3.325	ug/L	0.6598	19.84%
As 188.979†	-10.5	-13.88	ug/L	12.814	-13.88	ug/L	12.814	92.33%
Ba 233.527†	9552.9	176.7	ug/L	1.07	176.7	ug/L	1.07	0.61%
Be 313.107†	-155.8	-0.166	ug/L	0.0269	-0.166	ug/L	0.0269	16.27%
Ca 317.933†	1041887.0	145700	ug/L	328.4	145700	ug/L	328.4	0.23%
Cd 214.440†	-43.7	-1.383	ug/L	0.2008	-1.383	ug/L	0.2008	14.51%
Co 228.616†	-6.2	-0.210	ug/L	0.0698	-0.210	ug/L	0.0698	33.20%
Cr 267.716†	91.4	6.417	ug/L	0.2247	6.417	ug/L	0.2247	3.50%
Fe 238.204†	81.6	42.95	ug/L	3.269	42.95	ug/L	3.269	7.61%
K 766.490†	7167.2	1274	ug/L	10.5	1274	ug/L	10.5	0.82%
Mg 285.213†	1694033.6	169500	ug/L	48.8	169500	ug/L	48.8	0.03%
Mn 257.610†	495.0	-6.192	ug/L	0.0322	-6.192	ug/L	0.0322	0.52%
Mo 202.031†	503.3	126.0	ug/L	2.34	126.0	ug/L	2.34	1.86%
Na 589.592†	4167758.0	566100	ug/L	5502.2	566100	ug/L	5502.2	0.97%
Ni 231.604†	10.5	1.528	ug/L	0.5095	1.528	ug/L	0.5095	33.34%
Pb 220.353†	-5.2	-3.595	ug/L	4.7062	-3.595	ug/L	4.7062	130.90%
Sb 206.836†	-2.5	14.84	ug/L	1.023	14.84	ug/L	1.023	6.89%
Se 196.026†	-34.3	-33.89	ug/L	2.656	-33.89	ug/L	2.656	7.84%
V 311.071†	1107.3	5.411	ug/L	0.1985	5.411	ug/L	0.1985	3.67%
Sn 189.927†	-19.1	-6.765	ug/L	12.0177	-6.765	ug/L	12.0177	177.65%
Sr 421.552†	196044.2	273.9	ug/L	0.63	273.9	ug/L	0.63	0.23%
Tl 190.801†	-25.6	-14.08	ug/L	6.914	-14.08	ug/L	6.914	49.10%
Zn 206.200†	173.9	18.24	ug/L	2.278	18.24	ug/L	2.278	12.49%
Ti 334.940†	-1780.8	-3.643	ug/L	0.3303	-3.643	ug/L	0.3303	9.07%
B 249.772†	1174.4	39.40	ug/L	0.410	39.40	ug/L	0.410	1.04%
Cu 324.752†	16562.1	69.01	ug/L	0.390	69.01	ug/L	0.390	0.56%
S 181.975†	15368.4	151100	ug/L	1368.3	151100	ug/L	1368.3	0.91%
Zr 343.823†	-53.9	-0.585	ug/L	0.2669	-0.585	ug/L	0.2669	45.59%
Li 670.784†	855.3	4.350	ug/L	0.6019	4.350	ug/L	0.6019	13.84%

Sequence No.: 61
Sample ID: 220-16029-a-3-b
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 81
Date Collected: 7/20/2011 2:11:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16029-a-3-b

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	733009.1	0.973	mg/L	0.0011				0.12%
Y (radial)	99731.6	1.030	mg/L	0.0010				0.09%
Ag 328.068†	-219.4	-1.504	ug/L	0.1704	-1.504	ug/L	0.1704	11.33%
Al 396.153†	2709.1	333.0	ug/L	6.63	333.0	ug/L	6.63	1.99%
As 188.979†	-0.6	-0.595	ug/L	8.7765	-0.595	ug/L	8.7765	>999.9%
Ba 233.527†	15388.3	284.6	ug/L	2.36	284.6	ug/L	2.36	0.83%
Be 313.107†	34.2	0.016	ug/L	0.0717	0.016	ug/L	0.0717	440.21%
Ca 317.933†	1512786.1	211500	ug/L	785.8	211500	ug/L	785.8	0.37%
Cd 214.440†	3493.4	110.4	ug/L	1.51	110.4	ug/L	1.51	1.37%
Co 228.616†	682.3	59.02	ug/L	0.047	59.02	ug/L	0.047	0.08%
Cr 267.716†	67.0	3.428	ug/L	0.0620	3.428	ug/L	0.0620	1.81%
Fe 238.204†	3332.7	1754	ug/L	6.6	1754	ug/L	6.6	0.38%
K 766.490†	10589.3	1882	ug/L	12.3	1882	ug/L	12.3	0.65%
Mg 285.213†	109726.7	10980	ug/L	30.1	10980	ug/L	30.1	0.27%
Mn 257.610†	821367.3	2328	ug/L	2.0	2328	ug/L	2.0	0.09%
Mo 202.031†	-20.8	-5.137	ug/L	0.6625	-5.137	ug/L	0.6625	12.90%
Na 589.592†	4175611.6	567100	ug/L	3797.1	567100	ug/L	3797.1	0.67%
Ni 231.604†	2313.8	336.6	ug/L	5.81	336.6	ug/L	5.81	1.73%
Pb 220.353†	7794.0	5929	ug/L	49.2	5929	ug/L	49.2	0.83%
Sb 206.836†	357.0	302.5	ug/L	3.45	302.5	ug/L	3.45	1.14%
Se 196.026†	-55.4	-60.96	ug/L	11.622	-60.96	ug/L	11.622	19.06%
V 311.071†	221.7	3.471	ug/L	1.0886	3.471	ug/L	1.0886	31.36%
Sn 189.927†	-20.8	-5.190	ug/L	1.8152	-5.190	ug/L	1.8152	34.98%
Sr 421.552†	395129.7	553.3	ug/L	1.22	553.3	ug/L	1.22	0.22%
Tl 190.801†	-23.2	-9.957	ug/L	4.9409	-9.957	ug/L	4.9409	49.62%
Zn 206.200†	159871.8	16730	ug/L	43.3	16730	ug/L	43.3	0.26%
Ti 334.940†	-2143.7	-4.386	ug/L	0.0955	-4.386	ug/L	0.0955	2.18%
B 249.772†	2737.0	84.76	ug/L	0.645	84.76	ug/L	0.645	0.76%
Cu 324.752†	33440.3	139.5	ug/L	0.13	139.5	ug/L	0.13	0.09%
S 181.975†	15135.1	144100	ug/L	1037.6	144100	ug/L	1037.6	0.72%
Zr 343.823†	-82.8	-1.159	ug/L	0.1338	-1.159	ug/L	0.1338	11.55%
Li 670.784†	2248.0	11.43	ug/L	0.250	11.43	ug/L	0.250	2.19%

Sequence No.: 62
Sample ID: 220-16029-a-1-d ms
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 82
Date Collected: 7/20/2011 2:15:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16029-a-1-d ms

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	745405.2	0.989	mg/L	0.0012				0.12%
Y (radial)	99892.5	1.032	mg/L	0.0003				0.02%
Ag 328.068†	17390.4	124.2	ug/L	0.15	124.2	ug/L	0.15	0.12%
Al 396.153†	29059.9	3550	ug/L	9.9	3550	ug/L	9.9	0.28%
As 188.979†	328.4	416.1	ug/L	9.05	416.1	ug/L	9.05	2.18%
Ba 233.527†	8176.7	151.5	ug/L	0.38	151.5	ug/L	0.38	0.25%
Be 313.107†	41317.4	41.76	ug/L	0.023	41.76	ug/L	0.023	0.06%
Ca 317.933†	402903.9	56330	ug/L	697.7	56330	ug/L	697.7	1.24%
Cd 214.440†	3724.7	117.7	ug/L	0.05	117.7	ug/L	0.05	0.05%
Co 228.616†	1369.4	117.7	ug/L	0.63	117.7	ug/L	0.63	0.54%
Cr 267.716†	2467.8	122.5	ug/L	1.39	122.5	ug/L	1.39	1.14%
Fe 238.204†	6576.8	3462	ug/L	8.7	3462	ug/L	8.7	0.25%
K 766.490†	95858.6	17030	ug/L	159.5	17030	ug/L	159.5	0.94%
Mg 285.213†	1655931.8	165700	ug/L	1592.5	165700	ug/L	1592.5	0.96%
Mn 257.610†	27991.8	71.94	ug/L	0.208	71.94	ug/L	0.208	0.29%
Mo 202.031†	1707.6	427.5	ug/L	5.64	427.5	ug/L	5.64	1.32%
Na 589.592†	4229745.7	574500	ug/L	1875.3	574500	ug/L	1875.3	0.33%
Ni 231.604†	813.3	118.4	ug/L	0.72	118.4	ug/L	0.72	0.61%
Pb 220.353†	514.8	392.8	ug/L	8.26	392.8	ug/L	8.26	2.10%
Sb 206.836†	535.4	430.7	ug/L	11.33	430.7	ug/L	11.33	2.63%
Se 196.026†	88.3	218.5	ug/L	34.41	218.5	ug/L	34.41	15.75%
V 311.071†	21974.0	126.2	ug/L	0.40	126.2	ug/L	0.40	0.32%
Sn 189.927†	580.1	388.5	ug/L	14.78	388.5	ug/L	14.78	3.80%
Sr 421.552†	106753.1	149.5	ug/L	1.44	149.5	ug/L	1.44	0.97%
Tl 190.801†	476.6	370.9	ug/L	10.18	370.9	ug/L	10.18	2.74%
Zn 206.200†	1212.1	127.8	ug/L	0.73	127.8	ug/L	0.73	0.57%

Ti 334.940†	199563.8	408.3	ug/L	0.83	408.3	ug/L	0.83	0.20%
B 249.772†	12895.6	419.9	ug/L	2.12	419.9	ug/L	2.12	0.51%
Cu 324.752†	48104.4	200.9	ug/L	0.92	200.9	ug/L	0.92	0.46%
S 181.975†	1048.2	15000	ug/L	253.3	15000	ug/L	253.3	1.69%
Zr 343.823†	87411.2	404.9	ug/L	0.78	404.9	ug/L	0.78	0.19%
Li 670.784†	788.9	4.013	ug/L	0.0920	4.013	ug/L	0.0920	2.29%

Sequence No.: 63
Sample ID: 220-15975-d-6-b
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 83
Date Collected: 7/20/2011 2:19:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15975-d-6-b

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	786344.1	1.044	mg/L	0.0021				0.20%
Y (radial)	103248.4	1.066	mg/L	0.0079				0.74%
Ag 328.068†	-353.2	-0.370	ug/L	0.1413	-0.370	ug/L	0.1413	38.18%
Al 396.153†	782.7	96.30	ug/L	7.282	96.30	ug/L	7.282	7.56%
As 188.979†	-5.0	-1.933	ug/L	0.3366	-1.933	ug/L	0.3366	17.41%
Ba 233.527†	3519.6	64.39	ug/L	0.391	64.39	ug/L	0.391	0.61%
Be 313.107†	45.6	0.054	ug/L	0.0100	0.054	ug/L	0.0100	18.46%
Ca 317.933†	354095.3	49510	ug/L	60.3	49510	ug/L	60.3	0.12%
Cd 214.440†	33.5	-0.258	ug/L	0.0178	-0.258	ug/L	0.0178	6.88%
Co 228.616†	21.7	0.100	ug/L	0.5691	0.100	ug/L	0.5691	570.05%
Cr 267.716†	-12.7	0.326	ug/L	0.2311	0.326	ug/L	0.2311	70.80%
Fe 238.204†	87790.3	46210	ug/L	25.9	46210	ug/L	25.9	0.06%
K 766.490†	40718.9	7236	ug/L	28.3	7236	ug/L	28.3	0.39%
Mg 285.213†	93491.6	9391	ug/L	22.1	9391	ug/L	22.1	0.24%
Mn 257.610†	237430.7	672.8	ug/L	2.52	672.8	ug/L	2.52	0.37%
Mo 202.031†	-13.1	-1.479	ug/L	0.9684	-1.479	ug/L	0.9684	65.49%
Na 589.592†	341814.1	46430	ug/L	1088.6	46430	ug/L	1088.6	2.34%
Ni 231.604†	8.2	0.673	ug/L	1.4272	0.673	ug/L	1.4272	212.06%
Pb 220.353†	1.0	-3.942	ug/L	6.2900	-3.942	ug/L	6.2900	159.55%
Sb 206.836†	-25.7	-14.86	ug/L	2.715	-14.86	ug/L	2.715	18.26%
Se 196.026†	-38.4	-42.86	ug/L	13.135	-42.86	ug/L	13.135	30.65%
V 311.071†	422.2	1.895	ug/L	0.1832	1.895	ug/L	0.1832	9.67%
Sn 189.927†	-2.2	0.539	ug/L	2.3994	0.539	ug/L	2.3994	445.56%
Sr 421.552†	140563.7	197.2	ug/L	0.12	197.2	ug/L	0.12	0.06%
Tl 190.801†	-21.0	-10.44	ug/L	9.725	-10.44	ug/L	9.725	93.13%
Zn 206.200†	69.5	7.269	ug/L	0.4211	7.269	ug/L	0.4211	5.79%
Ti 334.940†	1277.3	2.613	ug/L	0.0037	2.613	ug/L	0.0037	0.14%
B 249.772†	5624.5	-8.101	ug/L	1.3334	-8.101	ug/L	1.3334	16.46%
Cu 324.752†	13.1	5.691	ug/L	0.0143	5.691	ug/L	0.0143	0.25%
S 181.975†	479.1	4835	ug/L	94.1	4835	ug/L	94.1	1.95%
Zr 343.823†	307.7	0.150	ug/L	0.0462	0.150	ug/L	0.0462	30.79%
Li 670.784†	539.2	2.742	ug/L	0.0482	2.742	ug/L	0.0482	1.76%

Sequence No.: 64
Sample ID: 220-15975-d-7-b
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 84
Date Collected: 7/20/2011 2:22:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15975-d-7-b

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	761889.8	1.011	mg/L	0.0046				0.45%
Y (radial)	100696.9	1.040	mg/L	0.0195				1.87%
Ag 328.068†	-388.2	-1.299	ug/L	0.1388	-1.299	ug/L	0.1388	10.68%
Al 396.153†	760.6	93.71	ug/L	15.546	93.71	ug/L	15.546	16.59%
As 188.979†	-9.6	-9.092	ug/L	1.1916	-9.092	ug/L	1.1916	13.11%
Ba 233.527†	5621.0	103.5	ug/L	1.05	103.5	ug/L	1.05	1.01%
Be 313.107†	-36.2	-0.035	ug/L	0.0595	-0.035	ug/L	0.0595	168.31%
Ca 317.933†	1234225.0	172600	ug/L	895.5	172600	ug/L	895.5	0.52%
Cd 214.440†	30.0	0.041	ug/L	0.1384	0.041	ug/L	0.1384	338.13%
Co 228.616†	40.5	2.327	ug/L	0.3310	2.327	ug/L	0.3310	14.23%

Cr 267.716†	-17.9	-0.115	ug/L	0.1928	-0.115	ug/L	0.1928 166.96%
Fe 238.204†	60458.2	31820	ug/L	7.4	31820	ug/L	7.4 0.02%
K 766.490†	125071.6	22220	ug/L	77.5	22220	ug/L	77.5 0.35%
Mg 285.213†	158277.8	15860	ug/L	11.0	15860	ug/L	11.0 0.07%
Mn 257.610†	211644.9	599.4	ug/L	1.36	599.4	ug/L	1.36 0.23%
Mo 202.031†	-23.9	-4.742	ug/L	0.7978	-4.742	ug/L	0.7978 16.83%
Na 589.592†	1003316.2	136300	ug/L	1495.9	136300	ug/L	1495.9 1.10%
Ni 231.604†	12.4	1.443	ug/L	0.4329	1.443	ug/L	0.4329 30.01%
Pb 220.353†	6.5	1.700	ug/L	11.4451	1.700	ug/L	11.4451 673.20%
Sb 206.836†	-55.3	-24.93	ug/L	2.995	-24.93	ug/L	2.995 12.01%
Se 196.026†	-53.1	-48.48	ug/L	2.964	-48.48	ug/L	2.964 6.11%
V 311.071†	625.4	4.718	ug/L	0.0322	4.718	ug/L	0.0322 0.68%
Sn 189.927†	-31.4	-13.79	ug/L	2.329	-13.79	ug/L	2.329 16.90%
Sr 421.552†	664703.7	933.3	ug/L	10.76	933.3	ug/L	10.76 1.15%
Tl 190.801†	-18.0	-4.651	ug/L	3.5906	-4.651	ug/L	3.5906 77.20%
Zn 206.200†	90.0	9.404	ug/L	0.7057	9.404	ug/L	0.7057 7.50%
Ti 334.940†	-24.6	-0.050	ug/L	0.0136	-0.050	ug/L	0.0136 27.01%
B 249.772†	4061.2	0.750	ug/L	0.9641	0.750	ug/L	0.9641 128.53%
Cu 324.752†	65.6	4.155	ug/L	0.1862	4.155	ug/L	0.1862 4.48%
S 181.975†	315.2	3476	ug/L	76.9	3476	ug/L	76.9 2.21%
Zr 343.823†	117.0	-0.422	ug/L	0.0770	-0.422	ug/L	0.0770 18.25%
Li 670.784†	637.3	3.241	ug/L	0.0507	3.241	ug/L	0.0507 1.56%

Sequence No.: 65
Sample ID: 220-15975-d-9-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 85
Date Collected: 7/20/2011 2:25:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-15975-d-9-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	785410.3	1.042	mg/L	0.0049				0.47%
Y (radial)	102580.0	1.059	mg/L	0.0027				0.25%
Ag 328.068†	-358.6	-0.296	ug/L	0.0307	-0.296	ug/L	0.0307	10.38%
Al 396.153†	413.1	50.94	ug/L	6.479	50.94	ug/L	6.479	12.72%
As 188.979†	0.2	4.877	ug/L	5.6253	4.877	ug/L	5.6253	115.35%
Ba 233.527†	4137.5	75.78	ug/L	0.316	75.78	ug/L	0.316	0.42%
Be 313.107†	72.3	0.070	ug/L	0.0099	0.070	ug/L	0.0099	14.24%
Ca 317.933†	204321.8	28570	ug/L	135.8	28570	ug/L	135.8	0.48%
Cd 214.440†	33.4	-0.327	ug/L	0.3657	-0.327	ug/L	0.3657	111.82%
Co 228.616†	59.4	3.276	ug/L	0.5832	3.276	ug/L	0.5832	17.80%
Cr 267.716†	3.6	1.139	ug/L	0.1236	1.139	ug/L	0.1236	10.85%
Fe 238.204†	92140.4	48500	ug/L	49.6	48500	ug/L	49.6	0.10%
K 766.490†	29643.5	5268	ug/L	64.6	5268	ug/L	64.6	1.23%
Mg 285.213†	75642.3	7606	ug/L	17.7	7606	ug/L	17.7	0.23%
Mn 257.610†	289270.4	819.9	ug/L	0.28	819.9	ug/L	0.28	0.03%
Mo 202.031†	-17.2	-2.414	ug/L	0.1765	-2.414	ug/L	0.1765	7.31%
Na 589.592†	485904.4	66000	ug/L	168.1	66000	ug/L	168.1	0.25%
Ni 231.604†	25.6	3.181	ug/L	0.2186	3.181	ug/L	0.2186	6.87%
Pb 220.353†	14.2	5.842	ug/L	0.9379	5.842	ug/L	0.9379	16.05%
Sb 206.836†	-22.0	-14.20	ug/L	3.846	-14.20	ug/L	3.846	27.09%
Se 196.026†	-32.8	-34.97	ug/L	25.077	-34.97	ug/L	25.077	71.72%
V 311.071†	424.5	1.698	ug/L	0.2746	1.698	ug/L	0.2746	16.17%
Sn 189.927†	-2.5	-0.490	ug/L	3.5268	-0.490	ug/L	3.5268	719.27%
Sr 421.552†	98425.5	138.2	ug/L	0.62	138.2	ug/L	0.62	0.45%
Tl 190.801†	-6.2	0.201	ug/L	6.4815	0.201	ug/L	6.4815	>999.9%
Zn 206.200†	98.0	10.26	ug/L	0.876	10.26	ug/L	0.876	8.54%
Ti 334.940†	-82.0	-0.168	ug/L	0.0354	-0.168	ug/L	0.0354	21.10%
B 249.772†	5793.5	-12.20	ug/L	1.208	-12.20	ug/L	1.208	9.90%
Cu 324.752†	-650.7	3.204	ug/L	0.2749	3.204	ug/L	0.2749	8.58%
S 181.975†	173.6	1879	ug/L	48.5	1879	ug/L	48.5	2.58%
Zr 343.823†	154.8	-0.714	ug/L	0.0506	-0.714	ug/L	0.0506	7.08%
Li 670.784†	551.5	2.805	ug/L	0.4158	2.805	ug/L	0.4158	14.82%

Sequence No.: 66
Sample ID: 220-15975-d-10-a
Analyst:
Initial Sample Wt:

Autosampler Location: 86
Date Collected: 7/20/2011 2:28:22 PM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: 220-15975-d-10-a

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	774019.3	1.027	mg/L	0.0034				0.33%
Y (radial)	104071.0	1.075	mg/L	0.0085				0.79%
Ag 328.068†	2.3	0.033	ug/L	0.1673	0.033	ug/L	0.1673	501.34%
Al 396.153†	1223.8	150.3	ug/L	0.26	150.3	ug/L	0.26	0.18%
As 188.979†	-2.9	-3.678	ug/L	8.7512	-3.678	ug/L	8.7512	237.91%
Ba 233.527†	2877.3	53.21	ug/L	0.393	53.21	ug/L	0.393	0.74%
Be 313.107†	3.1	0.020	ug/L	0.0751	0.020	ug/L	0.0751	380.65%
Ca 317.933†	99569.5	13920	ug/L	47.1	13920	ug/L	47.1	0.34%
Cd 214.440†	-7.1	-0.233	ug/L	0.1504	-0.233	ug/L	0.1504	64.70%
Co 228.616†	-0.8	-0.038	ug/L	0.4286	-0.038	ug/L	0.4286	>999.9%
Cr 267.716†	15.8	0.813	ug/L	0.3194	0.813	ug/L	0.3194	39.31%
Fe 238.204†	495.6	260.9	ug/L	2.78	260.9	ug/L	2.78	1.06%
K 766.490†	10646.6	1892	ug/L	19.3	1892	ug/L	19.3	1.02%
Mg 285.213†	32920.9	3295	ug/L	4.2	3295	ug/L	4.2	0.13%
Mn 257.610†	11119.0	31.38	ug/L	0.097	31.38	ug/L	0.097	0.31%
Mo 202.031†	0.8	0.212	ug/L	0.1434	0.212	ug/L	0.1434	67.46%
Na 589.592†	217642.1	29560	ug/L	30.1	29560	ug/L	30.1	0.10%
Ni 231.604†	-0.6	-0.085	ug/L	0.3961	-0.085	ug/L	0.3961	465.83%
Pb 220.353†	-9.0	-6.889	ug/L	0.9900	-6.889	ug/L	0.9900	14.37%
Sb 206.836†	-12.8	-8.557	ug/L	4.6741	-8.557	ug/L	4.6741	54.62%
Se 196.026†	-10.3	-18.94	ug/L	1.128	-18.94	ug/L	1.128	5.95%
V 311.071†	127.5	0.822	ug/L	0.0878	0.822	ug/L	0.0878	10.68%
Sn 189.927†	-6.5	-3.721	ug/L	1.6464	-3.721	ug/L	1.6464	44.25%
Sr 421.552†	41243.1	57.86	ug/L	0.054	57.86	ug/L	0.054	0.09%
Tl 190.801†	-2.8	-1.504	ug/L	4.5220	-1.504	ug/L	4.5220	300.73%
Zn 206.200†	52.0	5.447	ug/L	0.7707	5.447	ug/L	0.7707	14.15%
Ti 334.940†	2113.6	4.324	ug/L	0.1654	4.324	ug/L	0.1654	3.83%
B 249.772†	607.5	19.36	ug/L	0.307	19.36	ug/L	0.307	1.59%
Cu 324.752†	142.2	0.624	ug/L	0.1080	0.624	ug/L	0.1080	17.31%
S 181.975†	976.8	9378	ug/L	106.5	9378	ug/L	106.5	1.14%
Zr 343.823†	-65.6	-0.417	ug/L	0.0398	-0.417	ug/L	0.0398	9.54%
Li 670.784†	-4.3	-0.022	ug/L	0.1971	-0.022	ug/L	0.1971	893.44%

Sequence No.: 67
Sample ID: 220-16006-a-75-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 87
Date Collected: 7/20/2011 2:31:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-75-a

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	814205.5	1.081	mg/L	0.0161				1.49%
Y (radial)	105512.4	1.090	mg/L	0.0108				0.99%
Ag 328.068†	-1060.5	-0.951	ug/L	0.1175	-0.951	ug/L	0.1175	12.35%
Al 396.153†	1026863.9	126100	ug/L	1007.0	126100	ug/L	1007.0	0.80%
As 188.979†	29.2	46.06	ug/L	6.436	46.06	ug/L	6.436	13.97%
Ba 233.527†	12405.4	227.9	ug/L	0.44	227.9	ug/L	0.44	0.19%
Be 313.107†	-8672.1	2.968	ug/L	0.0805	2.968	ug/L	0.0805	2.71%
Ca 317.933†	12164.7	1701	ug/L	9.2	1701	ug/L	9.2	0.54%
Cd 214.440†	101.8	-0.463	ug/L	0.1272	-0.463	ug/L	0.1272	27.46%
Co 228.616†	667.5	46.52	ug/L	0.854	46.52	ug/L	0.854	1.84%
Cr 267.716†	2765.7	137.7	ug/L	1.58	137.7	ug/L	1.58	1.14%
Fe 238.204†	245220.5	129100	ug/L	1176.3	129100	ug/L	1176.3	0.91%
K 766.490†	25457.5	4524	ug/L	36.7	4524	ug/L	36.7	0.81%
Mg 285.213†	164305.0	16540	ug/L	112.6	16540	ug/L	112.6	0.68%
Mn 257.610†	501340.2	1421	ug/L	1.9	1421	ug/L	1.9	0.14%
Mo 202.031†	-4.3	3.961	ug/L	0.2712	3.961	ug/L	0.2712	6.85%
Na 589.592†	1152.5	156.5	ug/L	0.14	156.5	ug/L	0.14	0.09%
Ni 231.604†	603.6	86.41	ug/L	0.813	86.41	ug/L	0.813	0.94%
Pb 220.353†	124.5	92.54	ug/L	1.001	92.54	ug/L	1.001	1.08%
Sb 206.836†	4.3	1.657	ug/L	0.5687	1.657	ug/L	0.5687	34.32%
Se 196.026†	-29.6	14.90	ug/L	19.681	14.90	ug/L	19.681	132.08%
V 311.071†	37732.5	195.3	ug/L	0.65	195.3	ug/L	0.65	0.33%

Sn 189.927†	-12.7	6.165 ug/L	2.5956	6.165 ug/L	2.5956	42.10%
Sr 421.552†	17640.9	24.81 ug/L	0.075	24.81 ug/L	0.075	0.30%
Tl 190.801†	-66.5	1.148 ug/L	6.1991	1.148 ug/L	6.1991	540.03%
Zn 206.200†	3142.5	329.9 ug/L	4.01	329.9 ug/L	4.01	1.22%
Ti 334.940†	1439490.2	2945 ug/L	2.7	2945 ug/L	2.7	0.09%
B 249.772†	14628.2	-59.12 ug/L	5.833	-59.12 ug/L	5.833	9.87%
Cu 324.752†	19056.5	95.15 ug/L	0.540	95.15 ug/L	0.540	0.57%
S 181.975†	-226.3	-1649 ug/L	35.0	-1649 ug/L	35.0	2.12%
Zr 343.823†	1738.7	3.909 ug/L	0.0145	3.909 ug/L	0.0145	0.37%
Li 670.784†	17555.3	89.29 ug/L	0.657	89.29 ug/L	0.657	0.74%

Sequence No.: 68 **Autosampler Location: 7**
Sample ID: CCV **Date Collected: 7/20/2011 2:34:42 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	772836.7	1.026	mg/L	0.0013				0.13%
Y (radial)	98949.1	1.022	mg/L	0.0067				0.66%
Ag 328.068†	33960.0	245.1	ug/L	1.47	245.1	ug/L	1.47	0.60%
QC value within limits for Ag 328.068 Recovery = 98.06%								
Al 396.153†	41033.0	5018	ug/L	11.5	5018	ug/L	11.5	0.23%
QC value within limits for Al 396.153 Recovery = 100.35%								
As 188.979†	406.2	517.5	ug/L	4.35	517.5	ug/L	4.35	0.84%
QC value within limits for As 188.979 Recovery = 103.50%								
Ba 233.527†	27045.1	501.1	ug/L	2.28	501.1	ug/L	2.28	0.46%
QC value within limits for Ba 233.527 Recovery = 100.22%								
Be 313.107†	516402.7	504.1	ug/L	0.61	504.1	ug/L	0.61	0.12%
QC value within limits for Be 313.107 Recovery = 100.82%								
Ca 317.933†	133165.2	18620	ug/L	113.5	18620	ug/L	113.5	0.61%
QC value within limits for Ca 317.933 Recovery = 100.64%								
Cd 214.440†	16183.1	511.5	ug/L	0.50	511.5	ug/L	0.50	0.10%
QC value within limits for Cd 214.440 Recovery = 102.31%								
Co 228.616†	5928.9	510.9	ug/L	4.61	510.9	ug/L	4.61	0.90%
QC value within limits for Co 228.616 Recovery = 102.17%								
Cr 267.716†	10396.1	508.2	ug/L	4.68	508.2	ug/L	4.68	0.92%
QC value within limits for Cr 267.716 Recovery = 101.63%								
Fe 238.204†	10875.4	5724	ug/L	55.9	5724	ug/L	55.9	0.98%
QC value within limits for Fe 238.204 Recovery = 104.08%								
K 766.490†	224459.4	39890	ug/L	813.7	39890	ug/L	813.7	2.04%
QC value within limits for K 766.490 Recovery = 99.71%								
Mg 285.213†	192131.6	19230	ug/L	294.2	19230	ug/L	294.2	1.53%
QC value within limits for Mg 285.213 Recovery = 103.95%								
Mn 257.610†	177005.2	501.0	ug/L	2.85	501.0	ug/L	2.85	0.57%
QC value within limits for Mn 257.610 Recovery = 100.20%								
Mo 202.031†	1943.7	486.7	ug/L	4.00	486.7	ug/L	4.00	0.82%
QC value within limits for Mo 202.031 Recovery = 97.34%								
Na 589.592†	292292.2	39700	ug/L	660.9	39700	ug/L	660.9	1.66%
QC value within limits for Na 589.592 Recovery = 99.25%								
Ni 231.604†	3555.9	517.7	ug/L	5.96	517.7	ug/L	5.96	1.15%
QC value within limits for Ni 231.604 Recovery = 103.55%								
Pb 220.353†	668.8	510.0	ug/L	1.46	510.0	ug/L	1.46	0.29%
QC value within limits for Pb 220.353 Recovery = 101.99%								
Sb 206.836†	625.2	492.3	ug/L	6.22	492.3	ug/L	6.22	1.26%
QC value within limits for Sb 206.836 Recovery = 98.47%								
Se 196.026†	209.9	483.3	ug/L	12.53	483.3	ug/L	12.53	2.59%
QC value within limits for Se 196.026 Recovery = 96.66%								
V 311.071†	79623.3	481.1	ug/L	2.48	481.1	ug/L	2.48	0.52%
QC value within limits for V 311.071 Recovery = 96.23%								
Sn 189.927†	750.6	500.4	ug/L	7.50	500.4	ug/L	7.50	1.50%
QC value within limits for Sn 189.927 Recovery = 100.08%								
Sr 421.552†	351533.3	494.6	ug/L	7.96	494.6	ug/L	7.96	1.61%
QC value within limits for Sr 421.552 Recovery = 98.93%								
Tl 190.801†	680.9	525.2	ug/L	2.13	525.2	ug/L	2.13	0.40%
QC value within limits for Tl 190.801 Recovery = 105.03%								
Zn 206.200†	4827.8	509.4	ug/L	7.39	509.4	ug/L	7.39	1.45%
QC value within limits for Zn 206.200 Recovery = 101.87%								

Ti 334.940†	247812.5	507.0 ug/L	2.49	507.0 ug/L	2.49	0.49%
QC value within limits for Ti 334.940 Recovery = 101.40%						
B 249.772†	13932.1	445.1 ug/L	4.56	445.1 ug/L	4.56	1.02%
QC value less than the lower limit for B 249.772 Recovery = 89.03%						
Cu 324.752†	120758.1	503.9 ug/L	3.36	503.9 ug/L	3.36	0.67%
QC value within limits for Cu 324.752 Recovery = 100.77%						
S 181.975†	996.6	10050 ug/L	7.4	10050 ug/L	7.4	0.07%
QC value within limits for S 181.975 Recovery = 100.52%						
Zr 343.823†	103879.4	480.2 ug/L	1.81	480.2 ug/L	1.81	0.38%
QC value within limits for Zr 343.823 Recovery = 96.04%						
Li 670.784†	97208.2	494.4 ug/L	10.66	494.4 ug/L	10.66	2.16%
QC value within limits for Li 670.784 Recovery = 98.88%						
QC Failed. Continue with analysis.						

Sequence No.: 69
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 7/20/2011 2:38:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	777164.6	1.031	mg/L	0.0047				0.46%
Y (radial)	102006.0	1.053	mg/L	0.0178				1.69%
Ag 328.068†	-0.7	-0.010	ug/L	0.0542	-0.010	ug/L	0.0542	566.39%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	52.8	6.510	ug/L	1.3832	6.510	ug/L	1.3832	21.25%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	0.0	0.029	ug/L	3.2414	0.029	ug/L	3.2414	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	15.3	0.282	ug/L	0.0056	0.282	ug/L	0.0056	1.99%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	30.5	0.030	ug/L	0.0647	0.030	ug/L	0.0647	216.82%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	2.9	0.410	ug/L	1.1433	0.410	ug/L	1.1433	278.56%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	-8.7	-0.275	ug/L	0.1817	-0.275	ug/L	0.1817	66.04%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-6.9	-0.591	ug/L	0.2020	-0.591	ug/L	0.2020	34.19%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-12.3	-0.599	ug/L	0.1865	-0.599	ug/L	0.1865	31.16%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Fe 238.204†	5.2	2.728	ug/L	2.3451	2.728	ug/L	2.3451	85.97%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	115.1	20.45	ug/L	17.596	20.45	ug/L	17.596	86.06%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	14.7	1.474	ug/L	0.4781	1.474	ug/L	0.4781	32.43%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	-10.7	-0.030	ug/L	0.0310	-0.030	ug/L	0.0310	102.11%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-1.7	-0.417	ug/L	1.8887	-0.417	ug/L	1.8887	453.31%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-12.6	-1.707	ug/L	3.7860	-1.707	ug/L	3.7860	221.82%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-4.4	-0.644	ug/L	0.9554	-0.644	ug/L	0.9554	148.26%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-6.5	-4.951	ug/L	0.2587	-4.951	ug/L	0.2587	5.22%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-0.2	-0.141	ug/L	4.3774	-0.141	ug/L	4.3774	>999.9%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	3.9	8.844	ug/L	0.7989	8.844	ug/L	0.7989	9.03%
QC value within limits for Se 196.026 Recovery = Not calculated								
V 311.071†	-38.6	-0.241	ug/L	0.0119	-0.241	ug/L	0.0119	4.93%
QC value within limits for V 311.071 Recovery = Not calculated								
Sn 189.927†	0.4	0.250	ug/L	0.5911	0.250	ug/L	0.5911	236.14%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	47.6	0.067	ug/L	0.0831	0.067	ug/L	0.0831	123.91%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Tl 190.801†	1.3	0.960	ug/L	2.4845	0.960	ug/L	2.4845	258.67%

QC value within limits for Tl 190.801 Recovery = Not calculated

Zn 206.200†	2.2	0.228 ug/L	0.2227	0.228 ug/L	0.2227	97.57%

QC value within limits for Zn 206.200 Recovery = Not calculated

Ti 334.940†	26.3	0.054 ug/L	0.0330	0.054 ug/L	0.0330	61.39%

QC value within limits for Ti 334.940 Recovery = Not calculated

B 249.772†	85.3	2.865 ug/L	0.6310	2.865 ug/L	0.6310	22.02%

QC value within limits for B 249.772 Recovery = Not calculated

Cu 324.752†	-294.0	-1.225 ug/L	0.1067	-1.225 ug/L	0.1067	8.71%

QC value within limits for Cu 324.752 Recovery = Not calculated

S 181.975†	-0.7	-6.465 ug/L	14.2455	-6.465 ug/L	14.2455	220.34%

QC value within limits for S 181.975 Recovery = Not calculated

Zr 343.823†	126.0	0.589 ug/L	0.0410	0.589 ug/L	0.0410	6.96%

QC value within limits for Zr 343.823 Recovery = Not calculated

Li 670.784†	-41.3	-0.210 ug/L	0.5455	-0.210 ug/L	0.5455	259.67%

QC value within limits for Li 670.784 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 70
Sample ID: 220-16006-a-75-b du
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 88
Date Collected: 7/20/2011 2:41:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-75-b du

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	815392.1	1.082	mg/L	0.0129				1.19%
Y (radial)	106755.1	1.102	mg/L	0.0049				0.44%
Ag 328.068†	-1114.0	-1.122	ug/L	0.1073	-1.122	ug/L	0.1073	9.56%
Al 396.153†	1055348.1	129600	ug/L	436.3	129600	ug/L	436.3	0.34%
As 188.979†	48.8	71.24	ug/L	17.444	71.24	ug/L	17.444	24.49%
Ba 233.527†	13125.2	241.2	ug/L	1.86	241.2	ug/L	1.86	0.77%
Be 313.107†	-9521.4	2.672	ug/L	0.0971	2.672	ug/L	0.0971	3.63%
Ca 317.933†	13842.2	1935	ug/L	8.6	1935	ug/L	8.6	0.44%
Cd 214.440†	108.1	-0.376	ug/L	0.5279	-0.376	ug/L	0.5279	140.38%
Co 228.616†	698.3	48.75	ug/L	1.422	48.75	ug/L	1.422	2.92%
Cr 267.716†	3009.0	149.7	ug/L	1.45	149.7	ug/L	1.45	0.97%
Fe 238.204†	252655.6	133000	ug/L	311.4	133000	ug/L	311.4	0.23%
K 766.490†	25671.9	4562	ug/L	11.2	4562	ug/L	11.2	0.25%
Mg 285.213†	169428.8	17060	ug/L	18.5	17060	ug/L	18.5	0.11%
Mn 257.610†	536306.0	1520	ug/L	0.6	1520	ug/L	0.6	0.04%
Mo 202.031†	-4.9	3.965	ug/L	0.9619	3.965	ug/L	0.9619	24.26%
Na 589.592†	1223.3	166.1	ug/L	12.56	166.1	ug/L	12.56	7.56%
Ni 231.604†	609.7	87.25	ug/L	2.426	87.25	ug/L	2.426	2.78%
Pb 220.353†	156.4	116.7	ug/L	2.97	116.7	ug/L	2.97	2.54%
Sb 206.836†	13.6	8.781	ug/L	0.1853	8.781	ug/L	0.1853	2.11%
Se 196.026†	-42.7	-12.27	ug/L	1.052	-12.27	ug/L	1.052	8.57%
V 311.071†	39671.2	205.5	ug/L	1.35	205.5	ug/L	1.35	0.66%
Sn 189.927†	-4.3	12.41	ug/L	2.546	12.41	ug/L	2.546	20.51%
Sr 421.552†	18126.6	25.49	ug/L	0.049	25.49	ug/L	0.049	0.19%
Tl 190.801†	-53.8	13.10	ug/L	4.526	13.10	ug/L	4.526	34.56%
Zn 206.200†	3328.5	349.5	ug/L	4.45	349.5	ug/L	4.45	1.27%
Ti 334.940†	1506338.6	3082	ug/L	1.3	3082	ug/L	1.3	0.04%
B 249.772†	15316.7	-52.65	ug/L	7.527	-52.65	ug/L	7.527	14.30%
Cu 324.752†	23193.9	112.9	ug/L	0.22	112.9	ug/L	0.22	0.19%
S 181.975†	-230.2	-1671	ug/L	93.7	-1671	ug/L	93.7	5.61%
Zr 343.823†	1822.6	3.939	ug/L	0.0258	3.939	ug/L	0.0258	0.65%
Li 670.784†	17919.5	91.14	ug/L	0.556	91.14	ug/L	0.556	0.61%

Sequence No.: 71
Sample ID: 220-16006-a-75-c ms
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 89
Date Collected: 7/20/2011 2:44:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-75-c ms

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

Y 371.029	810985.1	1.076	mg/L	0.0084			0.78%
Y (radial)	106760.7	1.103	mg/L	0.0064			0.58%
Ag 328.068†	7523.5	60.03	ug/L	1.283	60.03 ug/L	1.283	2.14%
Al 396.153†	744464.7	91440	ug/L	694.3	91440 ug/L	694.3	0.76%
As 188.979†	194.3	253.9	ug/L	1.21	253.9 ug/L	1.21	0.48%
Ba 233.527†	12477.5	229.8	ug/L	1.43	229.8 ug/L	1.43	0.62%
Be 313.107†	13031.1	22.89	ug/L	0.156	22.89 ug/L	0.156	0.68%
Ca 317.933†	26883.7	3759	ug/L	24.5	3759 ug/L	24.5	0.65%
Cd 214.440†	2083.4	63.00	ug/L	0.798	63.00 ug/L	0.798	1.27%
Co 228.616†	1191.3	93.67	ug/L	0.533	93.67 ug/L	0.533	0.57%
Cr 267.716†	4596.3	226.5	ug/L	1.75	226.5 ug/L	1.75	0.77%
Fe 238.204†	191351.8	100700	ug/L	266.2	100700 ug/L	266.2	0.26%
K 766.490†	50676.4	9005	ug/L	91.9	9005 ug/L	91.9	1.02%
Mg 285.213†	134537.5	13540	ug/L	32.9	13540 ug/L	32.9	0.24%
Mn 257.610†	408711.2	1158	ug/L	0.2	1158 ug/L	0.2	0.02%
Mo 202.031†	813.0	207.4	ug/L	1.34	207.4 ug/L	1.34	0.64%
Na 589.592†	11306.2	1536	ug/L	7.1	1536 ug/L	7.1	0.46%
Ni 231.604†	880.9	127.1	ug/L	2.04	127.1 ug/L	2.04	1.60%
Pb 220.353†	463.7	351.0	ug/L	11.36	351.0 ug/L	11.36	3.24%
Sb 206.836†	239.7	188.3	ug/L	2.09	188.3 ug/L	2.09	1.11%
Se 196.026†	19.3	108.0	ug/L	19.84	108.0 ug/L	19.84	18.36%
V 311.071†	44435.8	240.6	ug/L	5.30	240.6 ug/L	5.30	2.20%
Sn 189.927†	298.9	211.1	ug/L	9.21	211.1 ug/L	9.21	4.36%
Sr 421.552†	17373.8	24.41	ug/L	0.093	24.41 ug/L	0.093	0.38%
Tl 190.801†	214.8	208.8	ug/L	0.64	208.8 ug/L	0.64	0.31%
Zn 206.200†	3697.4	388.7	ug/L	2.81	388.7 ug/L	2.81	0.72%
Ti 334.940†	1289856.9	2639	ug/L	5.1	2639 ug/L	5.1	0.19%
B 249.772†	16567.1	127.5	ug/L	1.93	127.5 ug/L	1.93	1.51%
Cu 324.752†	37668.0	169.2	ug/L	3.38	169.2 ug/L	3.38	2.00%
S 181.975†	-186.2	-1359	ug/L	25.8	-1359 ug/L	25.8	1.90%
Zr 343.823†	6519.8	25.09	ug/L	0.104	25.09 ug/L	0.104	0.41%
Li 670.784†	12589.6	64.03	ug/L	0.100	64.03 ug/L	0.100	0.16%

Sequence No.: 72
Sample ID: 220-16006-a-75-a pds
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 90
Date Collected: 7/20/2011 2:47:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-75-a pds

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	805639.5	1.069	mg/L	0.0008				0.08%
Y (radial)	105682.3	1.091	mg/L	0.0010				0.09%
Ag 328.068†	419.0	8.149	ug/L	0.2263	8.149	ug/L	0.2263	2.78%
Al 396.153†	1040120.0	127700	ug/L	163.5	127700	ug/L	163.5	0.13%
As 188.979†	186.8	245.6	ug/L	12.03	245.6	ug/L	12.03	4.90%
Ba 233.527†	17559.5	323.4	ug/L	5.92	323.4	ug/L	5.92	1.83%
Be 313.107†	94084.5	103.9	ug/L	1.30	103.9	ug/L	1.30	1.26%
Ca 317.933†	57818.4	8084	ug/L	22.9	8084	ug/L	22.9	0.28%
Cd 214.440†	3208.2	97.72	ug/L	0.009	97.72	ug/L	0.009	0.01%
Co 228.616†	1804.8	144.4	ug/L	0.16	144.4	ug/L	0.16	0.11%
Cr 267.716†	4739.0	234.2	ug/L	0.09	234.2	ug/L	0.09	0.04%
Fe 238.204†	247636.4	130300	ug/L	220.0	130300	ug/L	220.0	0.17%
K 766.490†	59402.3	10560	ug/L	93.6	10560	ug/L	93.6	0.89%
Mg 285.213†	227278.2	22840	ug/L	63.4	22840	ug/L	63.4	0.28%
Mn 257.610†	531138.3	1505	ug/L	1.6	1505	ug/L	1.6	0.11%
Mo 202.031†	1151.0	293.2	ug/L	1.49	293.2	ug/L	1.49	0.51%
Na 589.592†	46870.4	6366	ug/L	42.3	6366	ug/L	42.3	0.66%
Ni 231.604†	1271.9	183.7	ug/L	1.04	183.7	ug/L	1.04	0.57%
Pb 220.353†	249.8	188.7	ug/L	4.31	188.7	ug/L	4.31	2.28%
Sb 206.836†	371.1	293.1	ug/L	1.15	293.1	ug/L	1.15	0.39%
Se 196.026†	87.7	282.5	ug/L	16.74	282.5	ug/L	16.74	5.92%
V 311.071†	53308.4	286.5	ug/L	4.94	286.5	ug/L	4.94	1.72%
Sn 189.927†	423.7	296.8	ug/L	7.79	296.8	ug/L	7.79	2.62%
Sr 421.552†	84127.2	118.3	ug/L	0.66	118.3	ug/L	0.66	0.56%
Tl 190.801†	322.2	301.2	ug/L	6.82	301.2	ug/L	6.82	2.27%
Zn 206.200†	5891.5	618.3	ug/L	0.30	618.3	ug/L	0.30	0.05%
Ti 334.940†	1573782.0	3220	ug/L	9.0	3220	ug/L	9.0	0.28%
B 249.772†	22847.3	212.5	ug/L	8.78	212.5	ug/L	8.78	4.13%

Cu 324.752†	43636.7	197.7	ug/L	1.98	197.7	ug/L	1.98	1.00%
S 181.975†	-323.5	-2381	ug/L	178.9	-2381	ug/L	178.9	7.51%
Zr 343.823†	65227.2	299.0	ug/L	5.28	299.0	ug/L	5.28	1.77%
Li 670.784†	35898.5	182.6	ug/L	2.63	182.6	ug/L	2.63	1.44%

Sequence No.: 73
Sample ID: 220-16006-a-75-a sd@5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 91
Date Collected: 7/20/2011 2:50:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-75-a sd@5

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	780241.3	1.035	mg/L	0.0090				0.86%
Y (radial)	103528.5	1.069	mg/L	0.0130				1.21%
Ag 328.068†	-231.0	-0.232	ug/L	0.1014	-0.232	ug/L	0.1014	43.76%
Al 396.153†	212242.0	26070	ug/L	28.9	26070	ug/L	28.9	0.11%
As 188.979†	8.1	12.25	ug/L	1.355	12.25	ug/L	1.355	11.06%
Ba 233.527†	2756.0	50.64	ug/L	0.251	50.64	ug/L	0.251	0.49%
Be 313.107†	-1901.5	0.601	ug/L	0.0421	0.601	ug/L	0.0421	7.00%
Ca 317.933†	2489.8	348.1	ug/L	9.00	348.1	ug/L	9.00	2.58%
Cd 214.440†	4.2	-0.662	ug/L	0.2722	-0.662	ug/L	0.2722	41.12%
Co 228.616†	148.0	10.39	ug/L	0.896	10.39	ug/L	0.896	8.63%
Cr 267.716†	595.0	29.63	ug/L	0.123	29.63	ug/L	0.123	0.41%
Fe 238.204†	52853.6	27820	ug/L	271.6	27820	ug/L	271.6	0.98%
K 766.490†	5226.3	928.7	ug/L	4.57	928.7	ug/L	4.57	0.49%
Mg 285.213†	34883.4	3512	ug/L	9.6	3512	ug/L	9.6	0.27%
Mn 257.610†	109400.4	310.0	ug/L	0.60	310.0	ug/L	0.60	0.19%
Mo 202.031†	-1.0	0.845	ug/L	1.3696	0.845	ug/L	1.3696	161.99%
Na 589.592†	-280.2	-38.06	ug/L	0.817	-38.06	ug/L	0.817	2.15%
Ni 231.604†	121.6	17.39	ug/L	0.833	17.39	ug/L	0.833	4.79%
Pb 220.353†	25.1	18.50	ug/L	3.647	18.50	ug/L	3.647	19.72%
Sb 206.836†	2.9	1.880	ug/L	2.9088	1.880	ug/L	2.9088	154.76%
Se 196.026†	-3.6	9.532	ug/L	6.6807	9.532	ug/L	6.6807	70.09%
V 311.071†	7946.0	40.96	ug/L	0.342	40.96	ug/L	0.342	0.83%
Sn 189.927†	-2.6	1.423	ug/L	0.5609	1.423	ug/L	0.5609	39.42%
Sr 421.552†	3613.5	5.082	ug/L	0.0392	5.082	ug/L	0.0392	0.77%
Tl 190.801†	-10.3	3.279	ug/L	0.2521	3.279	ug/L	0.2521	7.69%
Zn 206.200†	706.5	74.15	ug/L	0.118	74.15	ug/L	0.118	0.16%
Ti 334.940†	309340.1	632.9	ug/L	0.77	632.9	ug/L	0.77	0.12%
B 249.772†	3357.5	-5.846	ug/L	1.3320	-5.846	ug/L	1.3320	22.78%
Cu 324.752†	3764.1	19.08	ug/L	0.290	19.08	ug/L	0.290	1.52%
S 181.975†	-74.4	-600.6	ug/L	4.10	-600.6	ug/L	4.10	0.68%
Zr 343.823†	557.9	1.675	ug/L	0.1615	1.675	ug/L	0.1615	9.64%
Li 670.784†	3611.7	18.37	ug/L	0.255	18.37	ug/L	0.255	1.39%

Sequence No.: 74
Sample ID: 220-16014-b-1-b
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 92
Date Collected: 7/20/2011 2:53:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16014-b-1-b

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	765878.5	1.016	mg/L	0.0043				0.43%
Y (radial)	101236.6	1.045	mg/L	0.0050				0.48%
Ag 328.068†	1140.3	13.14	ug/L	0.181	13.14	ug/L	0.181	1.38%
Al 396.153†	371902.7	45680	ug/L	2.0	45680	ug/L	2.0	0.00%
As 188.979†	-17.1	-13.15	ug/L	0.455	-13.15	ug/L	0.455	3.46%
Ba 233.527†	6942.4	127.1	ug/L	1.47	127.1	ug/L	1.47	1.16%
Be 313.107†	-6422.4	0.551	ug/L	0.0842	0.551	ug/L	0.0842	15.29%
Ca 317.933†	1094653.5	153000	ug/L	1731.7	153000	ug/L	1731.7	1.13%
Cd 214.440†	114.1	0.853	ug/L	0.1999	0.853	ug/L	0.1999	23.44%
Co 228.616†	402.9	27.38	ug/L	0.737	27.38	ug/L	0.737	2.69%
Cr 267.716†	2525.4	125.4	ug/L	0.84	125.4	ug/L	0.84	0.67%
Fe 238.204†	183475.2	96570	ug/L	200.3	96570	ug/L	200.3	0.21%

K 766.490†	16572.1	2945	ug/L	22.0	2945	ug/L	22.0	0.75%
Mg 285.213†	241024.2	24190	ug/L	35.3	24190	ug/L	35.3	0.15%
Mn 257.610†	380226.5	1077	ug/L	3.2	1077	ug/L	3.2	0.30%
Mo 202.031†	-18.3	-0.803	ug/L	2.7332	-0.803	ug/L	2.7332	340.21%
Na 589.592†	67419.3	9157	ug/L	28.9	9157	ug/L	28.9	0.32%
Ni 231.604†	687.2	98.91	ug/L	2.797	98.91	ug/L	2.797	2.83%
Pb 220.353†	2488.5	1887	ug/L	9.6	1887	ug/L	9.6	0.51%
Sb 206.836†	0.0	14.89	ug/L	0.723	14.89	ug/L	0.723	4.86%
Se 196.026†	-79.5	-73.05	ug/L	7.556	-73.05	ug/L	7.556	10.34%
V 311.071†	19091.1	96.42	ug/L	0.073	96.42	ug/L	0.073	0.08%
Sn 189.927†	74.3	64.07	ug/L	0.419	64.07	ug/L	0.419	0.65%
Sr 421.552†	158923.8	221.6	ug/L	0.16	221.6	ug/L	0.16	0.07%
Tl 190.801†	-61.3	-8.587	ug/L	1.1814	-8.587	ug/L	1.1814	13.76%
Zn 206.200†	8571.6	897.8	ug/L	7.97	897.8	ug/L	7.97	0.89%
Ti 334.940†	858086.7	1756	ug/L	10.0	1756	ug/L	10.0	0.57%
B 249.772†	11172.3	-36.57	ug/L	5.881	-36.57	ug/L	5.881	16.08%
Cu 324.752†	218190.4	920.9	ug/L	3.01	920.9	ug/L	3.01	0.33%
S 181.975†	1744.0	17300	ug/L	385.2	17300	ug/L	385.2	2.23%
Zr 343.823†	2340.8	8.360	ug/L	0.2616	8.360	ug/L	0.2616	3.13%
Li 670.784†	17629.2	89.66	ug/L	0.387	89.66	ug/L	0.387	0.43%

Sequence No.: 75 **Autosampler Location:** 93
Sample ID: 220-16016-d-1-a **Date Collected:** 7/20/2011 2:56:46 PM
Analyst: **Data Type:** Original
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

7/20/11

Mean Data: ~~220-16016-d-1-a~~

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	746830.6	0.991	mg/L	0.0074				0.75%
Y (radial)	100797.2	1.041	mg/L	0.0101				0.97%
Ag 328.068†	-958.9	-4.161	ug/L	0.0428	-4.161	ug/L	0.0428	1.03%
Al 396.153†	472885.5	58090	ug/L	321.9	58090	ug/L	321.9	0.55%
As 188.979†	2057.8	2617	ug/L	33.0	2617	ug/L	33.0	1.26%
Ba 233.527†	18597.2	343.2	ug/L	0.66	343.2	ug/L	0.66	0.19%
Be 313.107†	-10088.8	0.813	ug/L	0.0572	0.813	ug/L	0.0572	7.04%
Ca 317.933†	4007316.7	560300	ug/L	2853.9	560300	ug/L	2853.9	0.51%
Cd 214.440†	73.8	0.525	ug/L	0.6110	0.525	ug/L	0.6110	116.45%
Co 228.616†	410.7	27.48	ug/L	0.221	27.48	ug/L	0.221	0.80%
Cr 267.716†	1829.9	90.90	ug/L	1.089	90.90	ug/L	1.089	1.20%
Fe 238.204†	120337.6	63340	ug/L	264.7	63340	ug/L	264.7	0.42%
K 766.490†	86277.1	15330	ug/L	7.0	15330	ug/L	7.0	0.05%
Mg 285.213†	305321.2	30600	ug/L	55.6	30600	ug/L	55.6	0.18%
Mn 257.610†	615778.5	1745	ug/L	3.6	1745	ug/L	3.6	0.21%
Mo 202.031†	-71.3	-15.38	ug/L	0.252	-15.38	ug/L	0.252	1.64%
Na 589.592†	58836.2	7991	ug/L	24.7	7991	ug/L	24.7	0.31%
Ni 231.604†	398.0	57.21	ug/L	1.505	57.21	ug/L	1.505	2.63%
Pb 220.353†	70.3	52.06	ug/L	8.501	52.06	ug/L	8.501	16.33%
Sb 206.836†	-28.5	36.24	ug/L	1.638	36.24	ug/L	1.638	4.52%
Se 196.026†	-80.4	25.64	ug/L	12.101	25.64	ug/L	12.101	47.20%
V 311.071†	16422.5	73.55	ug/L	1.513	73.55	ug/L	1.513	2.06%
Sn 189.927†	-48.3	4.250	ug/L	10.4207	4.250	ug/L	10.4207	245.20%
Sr 421.552†	2880277.8	4047	ug/L	23.8	4047	ug/L	23.8	0.59%
Tl 190.801†	-75.9	6.826	ug/L	5.3230	6.826	ug/L	5.3230	77.98%
Zn 206.200†	1655.1	173.9	ug/L	0.81	173.9	ug/L	0.81	0.47%
Ti 334.940†	1341310.5	2744	ug/L	9.9	2744	ug/L	9.9	0.36%
B 249.772†	10460.7	81.63	ug/L	0.857	81.63	ug/L	0.857	1.05%
Cu 324.752†	11510.0	55.68	ug/L	0.294	55.68	ug/L	0.294	0.53%
S 181.975†	1199.0	12320	ug/L	15.3	12320	ug/L	15.3	0.12%
Zr 343.823†	15938.2	48.08	ug/L	0.729	48.08	ug/L	0.729	1.52%
Li 670.784†	8848.8	45.00	ug/L	0.804	45.00	ug/L	0.804	1.79%

Sequence No.: 76 **Autosampler Location:** 94
Sample ID: 220-16016-d-2-a **Date Collected:** 7/20/2011 3:00:27 PM
Analyst: **Data Type:** Original
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

7/20/11

Mean Data: ~~220-16016-d-2-a~~

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	762180.2	1.012	mg/L	0.0034				0.34%
Y (radial)	102456.2	1.058	mg/L	0.0022				0.21%
Ag 328.068†	-1078.4	-4.186	ug/L	0.0327	-4.186	ug/L	0.0327	0.78%
Al 396.153†	499518.9	61360	ug/L	366.4	61360	ug/L	366.4	0.60%
As 188.979†	3.2	9.925	ug/L	2.8173	9.925	ug/L	2.8173	28.39%
Ba 233.527†	26155.9	482.9	ug/L	1.13	482.9	ug/L	1.13	0.23%
Be 313.107†	-14718.2	0.259	ug/L	0.0462	0.259	ug/L	0.0462	17.83%
Ca 317.933†	3915995.0	547500	ug/L	6817.9	547500	ug/L	6817.9	1.25%
Cd 214.440†	133.1	2.029	ug/L	0.0713	2.029	ug/L	0.0713	3.51%
Co 228.616†	365.1	21.05	ug/L	1.109	21.05	ug/L	1.109	5.27%
Cr 267.716†	1901.4	94.70	ug/L	0.995	94.70	ug/L	0.995	1.05%
Fe 238.204†	145101.7	76370	ug/L	23.6	76370	ug/L	23.6	0.03%
K 766.490†	103434.2	18380	ug/L	45.1	18380	ug/L	45.1	0.25%
Mg 285.213†	351041.0	35190	ug/L	46.5	35190	ug/L	46.5	0.13%
Mn 257.610†	482980.3	1368	ug/L	3.9	1368	ug/L	3.9	0.28%
Mo 202.031†	-65.2	-13.33	ug/L	2.227	-13.33	ug/L	2.227	16.71%
Na 589.592†	36669.3	4980	ug/L	21.8	4980	ug/L	21.8	0.44%
Ni 231.604†	474.4	68.18	ug/L	0.367	68.18	ug/L	0.367	0.54%
Pb 220.353†	275.5	207.1	ug/L	2.01	207.1	ug/L	2.01	0.97%
Sb 206.836†	-54.7	14.35	ug/L	8.730	14.35	ug/L	8.730	60.83%
Se 196.026†	-68.0	58.05	ug/L	31.332	58.05	ug/L	31.332	53.97%
V 311.071†	22386.8	98.20	ug/L	0.497	98.20	ug/L	0.497	0.51%
Sn 189.927†	-51.1	6.951	ug/L	1.5890	6.951	ug/L	1.5890	22.86%
Sr 421.552†	2631505.1	3697	ug/L	36.4	3697	ug/L	36.4	0.98%
Tl 190.801†	-87.9	12.64	ug/L	4.860	12.64	ug/L	4.860	38.45%
Zn 206.200†	6266.9	656.4	ug/L	1.73	656.4	ug/L	1.73	0.26%
Ti 334.940†	1839734.8	3764	ug/L	6.9	3764	ug/L	6.9	0.18%
B 249.772†	10992.2	43.77	ug/L	0.073	43.77	ug/L	0.073	0.17%
Cu 324.752†	18643.0	87.00	ug/L	0.643	87.00	ug/L	0.643	0.74%
S 181.975†	865.7	9292	ug/L	37.6	9292	ug/L	37.6	0.40%
Zr 343.823†	12199.8	53.88	ug/L	0.380	53.88	ug/L	0.380	0.71%
Li 670.784†	12122.5	61.65	ug/L	0.989	61.65	ug/L	0.989	1.60%

Sequence No.: 77 9
Sample ID: 220-16016-d-3-a
Analyst:
Initial Sample Wt: M-7/20/11
Dilution:

Autosampler Location: 95
Date Collected: 7/20/2011 3:04:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ~~220-16016-d-3-a~~

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	756421.4	1.004	mg/L	0.0052				0.51%
Y (radial)	100904.1	1.042	mg/L	0.0102				0.98%
Ag 328.068†	-930.6	-3.708	ug/L	0.3260	-3.708	ug/L	0.3260	8.79%
Al 396.153†	458388.1	56310	ug/L	434.5	56310	ug/L	434.5	0.77%
As 188.979†	9.1	16.63	ug/L	0.206	16.63	ug/L	0.206	1.24%
Ba 233.527†	28391.4	524.3	ug/L	0.23	524.3	ug/L	0.23	0.04%
Be 313.107†	-9381.2	0.803	ug/L	0.0610	0.803	ug/L	0.0610	7.60%
Ca 317.933†	3901153.1	545400	ug/L	7073.6	545400	ug/L	7073.6	1.30%
Cd 214.440†	476.5	13.15	ug/L	0.274	13.15	ug/L	0.274	2.09%
Co 228.616†	305.4	18.82	ug/L	0.092	18.82	ug/L	0.092	0.49%
Cr 267.716†	1425.1	71.20	ug/L	0.550	71.20	ug/L	0.550	0.77%
Fe 238.204†	127485.7	67100	ug/L	203.7	67100	ug/L	203.7	0.30%
K 766.490†	47773.0	8489	ug/L	26.7	8489	ug/L	26.7	0.31%
Mg 285.213†	299423.4	30010	ug/L	77.0	30010	ug/L	77.0	0.26%
Mn 257.610†	471173.9	1335	ug/L	3.0	1335	ug/L	3.0	0.23%
Mo 202.031†	-62.3	-12.96	ug/L	2.090	-12.96	ug/L	2.090	16.12%
Na 589.592†	21345.5	2899	ug/L	35.1	2899	ug/L	35.1	1.21%
Ni 231.604†	424.8	61.06	ug/L	0.111	61.06	ug/L	0.111	0.18%
Pb 220.353†	1370.7	1041	ug/L	9.0	1041	ug/L	9.0	0.87%
Sb 206.836†	-51.0	17.78	ug/L	0.345	17.78	ug/L	0.345	1.94%
Se 196.026†	-60.0	69.66	ug/L	13.739	69.66	ug/L	13.739	19.72%
V 311.071†	16261.0	74.42	ug/L	0.224	74.42	ug/L	0.224	0.30%
Sn 189.927†	42.2	62.76	ug/L	0.400	62.76	ug/L	0.400	0.64%
Sr 421.552†	2602075.1	3655	ug/L	31.0	3655	ug/L	31.0	0.85%

Tl 190.801†	-67.2	10.71	ug/L	15.395	10.71	ug/L	15.395 143.69%
Zn 206.200†	15107.6	1581	ug/L	17.9	1581	ug/L	17.9 1.14%
Ti 334.940†	1253148.5	2564	ug/L	1.2	2564	ug/L	1.2 0.05%
B 249.772†	9907.2	46.87	ug/L	2.218	46.87	ug/L	2.218 4.73%
Cu 324.752†	434222.5	1817	ug/L	7.8	1817	ug/L	7.8 0.43%
S 181.975†	953.3	9967	ug/L	67.5	9967	ug/L	67.5 0.68%
Zr 343.823†	13672.4	60.84	ug/L	0.333	60.84	ug/L	0.333 0.55%
Li 670.784†	9843.8	50.07	ug/L	0.502	50.07	ug/L	0.502 1.00%

Sequence No.: 78
Sample ID: 220-16006-a-76-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 96
Date Collected: 7/20/2011 3:07:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-76-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	830166.8	1.102	mg/L	0.0078				0.71%
Y (radial)	107189.5	1.107	mg/L	0.0051				0.46%
Ag 328.068†	-1289.8	-1.325	ug/L	0.1639	-1.325	ug/L	0.1639	12.37%
Al 396.153†	1249746.0	153500	ug/L	14.8	153500	ug/L	14.8	0.01%
As 188.979†	70.8	100.5	ug/L	6.15	100.5	ug/L	6.15	6.12%
Ba 233.527†	16335.9	300.3	ug/L	0.76	300.3	ug/L	0.76	0.25%
Be 313.107†	-11101.5	2.458	ug/L	0.0093	2.458	ug/L	0.0093	0.38%
Ca 317.933†	11659.2	1630	ug/L	0.4	1630	ug/L	0.4	0.02%
Cd 214.440†	107.7	-1.002	ug/L	0.0321	-1.002	ug/L	0.0321	3.21%
Co 228.616†	822.9	57.98	ug/L	1.574	57.98	ug/L	1.574	2.71%
Cr 267.716†	3221.9	160.5	ug/L	1.05	160.5	ug/L	1.05	0.65%
Fe 238.204†	293454.1	154500	ug/L	142.2	154500	ug/L	142.2	0.09%
K 766.490†	29254.9	5198	ug/L	1.7	5198	ug/L	1.7	0.03%
Mg 285.213†	187051.2	18840	ug/L	37.4	18840	ug/L	37.4	0.20%
Mn 257.610†	568113.1	1610	ug/L	1.1	1610	ug/L	1.1	0.07%
Mo 202.031†	-2.7	5.359	ug/L	0.7748	5.359	ug/L	0.7748	14.46%
Na 589.592†	861.7	117.0	ug/L	5.71	117.0	ug/L	5.71	4.88%
Ni 231.604†	711.9	101.9	ug/L	1.72	101.9	ug/L	1.72	1.69%
Pb 220.353†	195.3	146.2	ug/L	7.87	146.2	ug/L	7.87	5.38%
Sb 206.836†	4.8	1.743	ug/L	3.6649	1.743	ug/L	3.6649	210.22%
Se 196.026†	-50.0	-15.21	ug/L	14.571	-15.21	ug/L	14.571	95.77%
V 311.071†	43054.3	221.9	ug/L	0.22	221.9	ug/L	0.22	0.10%
Sn 189.927†	-7.0	12.33	ug/L	1.486	12.33	ug/L	1.486	12.05%
Sr 421.552†	18746.5	26.37	ug/L	0.097	26.37	ug/L	0.097	0.37%
Tl 190.801†	-73.9	4.189	ug/L	5.8851	4.189	ug/L	5.8851	140.47%
Zn 206.200†	3404.9	357.5	ug/L	0.33	357.5	ug/L	0.33	0.09%
Ti 334.940†	1673297.4	3423	ug/L	1.9	3423	ug/L	1.9	0.05%
B 249.772†	17612.0	-67.16	ug/L	4.664	-67.16	ug/L	4.664	6.94%
Cu 324.752†	32614.0	154.7	ug/L	0.44	154.7	ug/L	0.44	0.28%
S 181.975†	-199.0	-1320	ug/L	53.8	-1320	ug/L	53.8	4.08%
Zr 343.823†	2083.4	4.201	ug/L	0.0066	4.201	ug/L	0.0066	0.16%
Li 670.784†	20226.6	102.9	ug/L	0.29	102.9	ug/L	0.29	0.28%

Sequence No.: 79
Sample ID: 220-16006-a-77-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 97
Date Collected: 7/20/2011 3:10:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-77-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	818601.3	1.086	mg/L	0.0037				0.34%
Y (radial)	104500.0	1.079	mg/L	0.0028				0.26%
Ag 328.068†	-986.1	-1.083	ug/L	0.1793	-1.083	ug/L	0.1793	16.55%
Al 396.153†	809558.4	99440	ug/L	117.7	99440	ug/L	117.7	0.12%
As 188.979†	18.5	32.07	ug/L	4.308	32.07	ug/L	4.308	13.43%
Ba 233.527†	10711.5	196.7	ug/L	0.80	196.7	ug/L	0.80	0.41%
Be 313.107†	-13827.9	1.766	ug/L	0.0057	1.766	ug/L	0.0057	0.32%
Ca 317.933†	10366.2	1449	ug/L	9.8	1449	ug/L	9.8	0.67%

Cd 214.440†	77.8	-0.876 ug/L	0.2535	-0.876 ug/L	0.2535	28.93%
Co 228.616†	605.9	39.60 ug/L	0.639	39.60 ug/L	0.639	1.61%
Cr 267.716†	2302.5	114.9 ug/L	0.58	114.9 ug/L	0.58	0.51%
Fe 238.204†	222057.6	116900 ug/L	395.8	116900 ug/L	395.8	0.34%
K 766.490†	25742.3	4574 ug/L	2.7	4574 ug/L	2.7	0.06%
Mg 285.213†	155081.6	15610 ug/L	17.8	15610 ug/L	17.8	0.11%
Mn 257.610†	348698.8	988.0 ug/L	1.36	988.0 ug/L	1.36	0.14%
Mo 202.031†	-5.0	3.323 ug/L	0.8213	3.323 ug/L	0.8213	24.72%
Na 589.592†	856.2	116.3 ug/L	6.87	116.3 ug/L	6.87	5.91%
Ni 231.604†	565.8	81.04 ug/L	2.097	81.04 ug/L	2.097	2.59%
Pb 220.353†	72.9	52.19 ug/L	9.885	52.19 ug/L	9.885	18.94%
Sb 206.836†	-2.0	-3.014 ug/L	8.0809	-3.014 ug/L	8.0809	268.15%
Se 196.026†	-36.0	-7.318 ug/L	11.3743	-7.318 ug/L	11.3743	155.43%
V 311.071†	34085.3	161.9 ug/L	0.14	161.9 ug/L	0.14	0.08%
Sn 189.927†	-9.4	13.20 ug/L	3.544	13.20 ug/L	3.544	26.85%
Sr 421.552†	14195.2	19.96 ug/L	0.145	19.96 ug/L	0.145	0.73%
Tl 190.801†	-70.6	10.85 ug/L	0.321	10.85 ug/L	0.321	2.96%
Zn 206.200†	2418.6	254.0 ug/L	0.75	254.0 ug/L	0.75	0.30%
Ti 334.940†	1920721.0	3930 ug/L	6.1	3930 ug/L	6.1	0.15%
B 249.772†	12721.9	-71.22 ug/L	4.013	-71.22 ug/L	4.013	5.63%
Cu 324.752†	15552.1	79.06 ug/L	0.452	79.06 ug/L	0.452	0.57%
S 181.975†	-273.4	-2124 ug/L	2.6	-2124 ug/L	2.6	0.12%
Zr 343.823†	2654.5	8.714 ug/L	0.0120	8.714 ug/L	0.0120	0.14%
Li 670.784†	13248.8	67.38 ug/L	0.673	67.38 ug/L	0.673	1.00%

Sequence No.: 80
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 7/20/2011 3:13:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	770223.5	1.022	mg/L	0.0002				0.02%
Y (radial)	100132.8	1.034	mg/L	0.0056				0.54%
Ag 328.068†	34362.6	248.1	ug/L	0.96	248.1	ug/L	0.96	0.39%
QC value within limits for Ag 328.068 Recovery = 99.22%								
Al 396.153†	41177.6	5035	ug/L	11.3	5035	ug/L	11.3	0.22%
QC value within limits for Al 396.153 Recovery = 100.69%								
As 188.979†	426.1	542.8	ug/L	6.26	542.8	ug/L	6.26	1.15%
QC value within limits for As 188.979 Recovery = 108.56%								
Ba 233.527†	27697.9	513.2	ug/L	0.27	513.2	ug/L	0.27	0.05%
QC value within limits for Ba 233.527 Recovery = 102.64%								
Be 313.107†	519152.5	506.8	ug/L	0.16	506.8	ug/L	0.16	0.03%
QC value within limits for Be 313.107 Recovery = 101.36%								
Ca 317.933†	133360.8	18650	ug/L	11.1	18650	ug/L	11.1	0.06%
QC value within limits for Ca 317.933 Recovery = 100.79%								
Cd 214.440†	16558.6	523.4	ug/L	3.01	523.4	ug/L	3.01	0.57%
QC value within limits for Cd 214.440 Recovery = 104.68%								
Co 228.616†	6115.4	526.9	ug/L	1.68	526.9	ug/L	1.68	0.32%
QC value within limits for Co 228.616 Recovery = 105.39%								
Cr 267.716†	10687.8	522.4	ug/L	0.65	522.4	ug/L	0.65	0.12%
QC value within limits for Cr 267.716 Recovery = 104.48%								
Fe 238.204†	10865.3	5719	ug/L	4.9	5719	ug/L	4.9	0.09%
QC value within limits for Fe 238.204 Recovery = 103.98%								
K 766.490†	223535.0	39720	ug/L	999.8	39720	ug/L	999.8	2.52%
QC value within limits for K 766.490 Recovery = 99.30%								
Mg 285.213†	192110.6	19230	ug/L	401.4	19230	ug/L	401.4	2.09%
QC value within limits for Mg 285.213 Recovery = 103.94%								
Mn 257.610†	181992.3	515.2	ug/L	0.01	515.2	ug/L	0.01	0.00%
QC value within limits for Mn 257.610 Recovery = 103.03%								
Mo 202.031†	2021.6	506.2	ug/L	1.84	506.2	ug/L	1.84	0.36%
QC value within limits for Mo 202.031 Recovery = 101.24%								
Na 589.592†	288302.3	39160	ug/L	1023.4	39160	ug/L	1023.4	2.61%
QC value within limits for Na 589.592 Recovery = 97.89%								
Ni 231.604†	3655.6	532.3	ug/L	1.00	532.3	ug/L	1.00	0.19%
QC value within limits for Ni 231.604 Recovery = 106.45%								
Pb 220.353†	686.2	523.3	ug/L	4.62	523.3	ug/L	4.62	0.88%
QC value within limits for Pb 220.353 Recovery = 104.66%								

Sb 206.836†	645.7	508.4 ug/L	0.22	508.4 ug/L	0.22	0.04%
QC value within limits for Sb 206.836 Recovery = 101.68%						
Se 196.026†	219.5	505.1 ug/L	4.12	505.1 ug/L	4.12	0.82%
QC value within limits for Se 196.026 Recovery = 101.02%						
V 311.071†	81403.4	491.9 ug/L	0.36	491.9 ug/L	0.36	0.07%
QC value within limits for V 311.071 Recovery = 98.39%						
Sn 189.927†	762.0	508.0 ug/L	0.64	508.0 ug/L	0.64	0.13%
QC value within limits for Sn 189.927 Recovery = 101.60%						
Sr 421.552†	348317.2	490.1 ug/L	13.12	490.1 ug/L	13.12	2.68%
QC value within limits for Sr 421.552 Recovery = 98.02%						
Tl 190.801†	698.3	538.4 ug/L	1.90	538.4 ug/L	1.90	0.35%
QC value within limits for Tl 190.801 Recovery = 107.69%						
Zn 206.200†	4988.0	526.2 ug/L	3.12	526.2 ug/L	3.12	0.59%
QC value within limits for Zn 206.200 Recovery = 105.25%						
Ti 334.940†	252253.6	516.1 ug/L	0.05	516.1 ug/L	0.05	0.01%
QC value within limits for Ti 334.940 Recovery = 103.22%						
B 249.772†	14394.5	460.8 ug/L	0.46	460.8 ug/L	0.46	0.10%
QC value within limits for B 249.772 Recovery = 92.15%						
Cu 324.752†	121927.3	508.7 ug/L	3.36	508.7 ug/L	3.36	0.66%
QC value within limits for Cu 324.752 Recovery = 101.75%						
S 181.975†	1037.9	10440 ug/L	9.9	10440 ug/L	9.9	0.09%
QC value within limits for S 181.975 Recovery = 104.43%						
Zr 343.823†	105493.1	487.5 ug/L	0.78	487.5 ug/L	0.78	0.16%
QC value within limits for Zr 343.823 Recovery = 97.49%						
Li 670.784†	96718.6	491.9 ug/L	14.09	491.9 ug/L	14.09	2.87%
QC value within limits for Li 670.784 Recovery = 98.38%						

All analyte(s) passed QC.

Sequence No.: 81 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 7/20/2011 3:17:25 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	784654.9	1.041	mg/L	0.0115				1.10%
Y (radial)	102619.7	1.060	mg/L	0.0024				0.22%
Ag 328.068†	15.9	0.111	ug/L	0.2797	0.111	ug/L	0.2797	250.96%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	60.1	7.434	ug/L	3.2239	7.434	ug/L	3.2239	43.37%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-0.2	-0.265	ug/L	6.8671	-0.265	ug/L	6.8671	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	8.7	0.159	ug/L	0.1869	0.159	ug/L	0.1869	117.44%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	66.3	0.066	ug/L	0.0204	0.066	ug/L	0.0204	31.05%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	17.7	2.478	ug/L	2.7343	2.478	ug/L	2.7343	110.33%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	1.2	0.037	ug/L	0.0447	0.037	ug/L	0.0447	121.62%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-7.5	-0.646	ug/L	0.4081	-0.646	ug/L	0.4081	63.19%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	2.1	0.100	ug/L	0.2187	0.100	ug/L	0.2187	218.61%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Fe 238.204†	15.2	7.997	ug/L	0.2746	7.997	ug/L	0.2746	3.43%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	-41.2	-7.314	ug/L	10.1406	-7.314	ug/L	10.1406	138.65%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	25.9	2.596	ug/L	0.3534	2.596	ug/L	0.3534	13.61%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	-1.4	-0.004	ug/L	0.0326	-0.004	ug/L	0.0326	795.52%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-4.6	-1.156	ug/L	1.0641	-1.156	ug/L	1.0641	92.02%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-596.7	-81.05	ug/L	4.240	-81.05	ug/L	4.240	5.23%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-5.8	-0.843	ug/L	0.5327	-0.843	ug/L	0.5327	63.23%

QC value within limits for Ni 231.604 Recovery = Not calculated

Pb 220.353†	-2.6	-1.955 ug/L	4.5994	-1.955 ug/L	4.5994	235.28%

QC value within limits for Pb 220.353 Recovery = Not calculated

Sb 206.836†	6.8	5.273 ug/L	4.9164	5.273 ug/L	4.9164	93.23%

QC value within limits for Sb 206.836 Recovery = Not calculated

Se 196.026†	3.1	6.997 ug/L	23.8456	6.997 ug/L	23.8456	340.80%

QC value within limits for Se 196.026 Recovery = Not calculated

V 311.071†	-69.9	-0.436 ug/L	0.1376	-0.436 ug/L	0.1376	31.57%

QC value within limits for V 311.071 Recovery = Not calculated

Sn 189.927†	-1.2	-0.813 ug/L	0.8578	-0.813 ug/L	0.8578	105.50%

QC value within limits for Sn 189.927 Recovery = Not calculated

Sr 421.552†	-10.7	-0.015 ug/L	0.2261	-0.015 ug/L	0.2261	>999.9%

QC value within limits for Sr 421.552 Recovery = Not calculated

Tl 190.801†	4.7	3.561 ug/L	2.5652	3.561 ug/L	2.5652	72.04%

QC value within limits for Tl 190.801 Recovery = Not calculated

Zn 206.200†	-2.4	-0.254 ug/L	0.0616	-0.254 ug/L	0.0616	24.21%

QC value within limits for Zn 206.200 Recovery = Not calculated

Ti 334.940†	179.6	0.367 ug/L	0.0194	0.367 ug/L	0.0194	5.27%

QC value within limits for Ti 334.940 Recovery = Not calculated

B 249.772†	82.6	2.751 ug/L	0.0588	2.751 ug/L	0.0588	2.14%

QC value within limits for B 249.772 Recovery = Not calculated

Cu 324.752†	-97.6	-0.406 ug/L	0.1319	-0.406 ug/L	0.1319	32.50%

QC value within limits for Cu 324.752 Recovery = Not calculated

S 181.975†	1.4	13.17 ug/L	3.611	13.17 ug/L	3.611	27.42%

QC value within limits for S 181.975 Recovery = Not calculated

Zr 343.823†	100.5	0.472 ug/L	0.0477	0.472 ug/L	0.0477	10.09%

QC value within limits for Zr 343.823 Recovery = Not calculated

Li 670.784†	92.7	0.471 ug/L	0.2822	0.471 ug/L	0.2822	59.89%

QC value within limits for Li 670.784 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 82
Sample ID: 220-16006-a-81-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 98
Date Collected: 7/20/2011 3:20:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-81-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	797946.7	1.059	mg/L	0.0083				0.78%
Y (radial)	108119.6	1.117	mg/L	0.0163				1.46%
Ag 328.068†	-816.7	-1.083	ug/L	0.1568	-1.083	ug/L	0.1568	14.48%
Al 396.153†	669210.6	82200	ug/L	222.6	82200	ug/L	222.6	0.27%
As 188.979†	28.4	42.68	ug/L	6.718	42.68	ug/L	6.718	15.74%
Ba 233.527†	11501.0	211.7	ug/L	0.15	211.7	ug/L	0.15	0.07%
Be 313.107†	-7262.1	1.739	ug/L	0.1091	1.739	ug/L	0.1091	6.27%
Ca 317.933†	249998.8	34950	ug/L	70.7	34950	ug/L	70.7	0.20%
Cd 214.440†	75.4	-0.239	ug/L	0.3945	-0.239	ug/L	0.3945	165.16%
Co 228.616†	464.4	31.86	ug/L	0.828	31.86	ug/L	0.828	2.60%
Cr 267.716†	2052.8	102.3	ug/L	0.70	102.3	ug/L	0.70	0.69%
Fe 238.204†	174656.9	91930	ug/L	22.6	91930	ug/L	22.6	0.02%
K 766.490†	22604.5	4017	ug/L	30.9	4017	ug/L	30.9	0.77%
Mg 285.213†	212870.4	21370	ug/L	9.5	21370	ug/L	9.5	0.04%
Mn 257.610†	318320.7	901.6	ug/L	1.99	901.6	ug/L	1.99	0.22%
Mo 202.031†	-16.7	-0.579	ug/L	1.7883	-0.579	ug/L	1.7883	308.69%
Na 589.592†	2878.6	391.0	ug/L	8.37	391.0	ug/L	8.37	2.14%
Ni 231.604†	430.8	61.68	ug/L	0.792	61.68	ug/L	0.792	1.28%
Pb 220.353†	197.3	147.9	ug/L	2.79	147.9	ug/L	2.79	1.89%
Sb 206.836†	-20.0	-13.32	ug/L	0.605	-13.32	ug/L	0.605	4.54%
Se 196.026†	-53.0	-51.40	ug/L	37.474	-51.40	ug/L	37.474	72.91%
V 311.071†	29433.6	153.0	ug/L	0.02	153.0	ug/L	0.02	0.02%
Sn 189.927†	-6.4	8.371	ug/L	7.2594	8.371	ug/L	7.2594	86.72%
Sr 421.552†	80171.3	112.4	ug/L	0.31	112.4	ug/L	0.31	0.27%
Tl 190.801†	-53.0	0.284	ug/L	5.6852	0.284	ug/L	5.6852	>999.9%
Zn 206.200†	1618.3	170.1	ug/L	1.23	170.1	ug/L	1.23	0.72%
Ti 334.940†	1111121.0	2273	ug/L	0.4	2273	ug/L	0.4	0.02%
B 249.772†	10790.4	-29.58	ug/L	0.595	-29.58	ug/L	0.595	2.01%
Cu 324.752†	18286.6	87.41	ug/L	0.290	87.41	ug/L	0.290	0.33%
S 181.975†	-225.8	-1496	ug/L	91.3	-1496	ug/L	91.3	6.10%

Zr 343.823†	1406.8	3.358 ug/L	0.0420	3.358 ug/L	0.0420	1.25%
Li 670.784†	12801.7	65.11 ug/L	0.525	65.11 ug/L	0.525	0.81%

Sequence No.: 83
Sample ID: 220-16006-a-82-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 99
Date Collected: 7/20/2011 3:23:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-82-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	793525.1	1.053	mg/L	0.0169				1.60%
Y (radial)	102211.0	1.056	mg/L	0.0050				0.47%
Ag 328.068†	-171.2	0.010	ug/L	0.1170	0.010	ug/L	0.1170	>999.9%
Al 396.153†	119389.7	14670	ug/L	179.2	14670	ug/L	179.2	1.22%
As 188.979†	1.8	4.335	ug/L	5.6510	4.335	ug/L	5.6510	130.34%
Ba 233.527†	2474.2	45.44	ug/L	0.720	45.44	ug/L	0.720	1.58%
Be 313.107†	-1750.9	0.671	ug/L	0.0407	0.671	ug/L	0.0407	6.06%
Ca 317.933†	11869.3	1659	ug/L	1.8	1659	ug/L	1.8	0.11%
Cd 214.440†	3.8	-0.593	ug/L	0.1814	-0.593	ug/L	0.1814	30.57%
Co 228.616†	118.5	7.989	ug/L	1.2271	7.989	ug/L	1.2271	15.36%
Cr 267.716†	367.6	18.45	ug/L	0.592	18.45	ug/L	0.592	3.21%
Fe 238.204†	47464.1	24980	ug/L	4.6	24980	ug/L	4.6	0.02%
K 766.490†	8796.6	1563	ug/L	15.2	1563	ug/L	15.2	0.97%
Mg 285.213†	27396.0	2760	ug/L	1.6	2760	ug/L	1.6	0.06%
Mn 257.610†	125109.5	354.6	ug/L	0.07	354.6	ug/L	0.07	0.02%
Mo 202.031†	-2.1	0.447	ug/L	1.4612	0.447	ug/L	1.4612	327.06%
Na 589.592†	138.1	18.75	ug/L	4.801	18.75	ug/L	4.801	25.60%
Ni 231.604†	100.4	14.34	ug/L	0.721	14.34	ug/L	0.721	5.03%
Pb 220.353†	10.9	7.043	ug/L	2.5769	7.043	ug/L	2.5769	36.59%
Sb 206.836†	-4.5	-3.597	ug/L	3.3441	-3.597	ug/L	3.3441	92.96%
Se 196.026†	-6.2	2.266	ug/L	11.9153	2.266	ug/L	11.9153	525.94%
V 311.071†	5414.1	25.70	ug/L	0.599	25.70	ug/L	0.599	2.33%
Sn 189.927†	4.1	5.832	ug/L	2.7260	5.832	ug/L	2.7260	46.75%
Sr 421.552†	9145.7	12.85	ug/L	0.079	12.85	ug/L	0.079	0.62%
Tl 190.801†	-7.1	5.289	ug/L	2.6828	5.289	ug/L	2.6828	50.72%
Zn 206.200†	354.9	37.28	ug/L	0.539	37.28	ug/L	0.539	1.45%
Ti 334.940†	299743.9	613.3	ug/L	3.85	613.3	ug/L	3.85	0.63%
B 249.772†	3007.5	-5.507	ug/L	1.7103	-5.507	ug/L	1.7103	31.06%
Cu 324.752†	3386.5	17.16	ug/L	0.199	17.16	ug/L	0.199	1.16%
S 181.975†	-74.6	-625.6	ug/L	7.84	-625.6	ug/L	7.84	1.25%
Zr 343.823†	1000.9	3.908	ug/L	0.1160	3.908	ug/L	0.1160	2.97%
Li 670.784†	2355.8	11.98	ug/L	0.791	11.98	ug/L	0.791	6.60%

Sequence No.: 84
Sample ID: 220-16006-a-83-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 100
Date Collected: 7/20/2011 3:26:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-83-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	790313.0	1.049	mg/L	0.0016				0.15%
Y (radial)	103097.5	1.065	mg/L	0.0177				1.66%
Ag 328.068†	-223.8	-0.018	ug/L	0.0401	-0.018	ug/L	0.0401	218.06%
Al 396.153†	69757.8	8569	ug/L	18.6	8569	ug/L	18.6	0.22%
As 188.979†	-1.5	1.032	ug/L	4.9865	1.032	ug/L	4.9865	483.03%
Ba 233.527†	1904.4	34.77	ug/L	0.146	34.77	ug/L	0.146	0.42%
Be 313.107†	-687.2	0.931	ug/L	0.0242	0.931	ug/L	0.0242	2.60%
Ca 317.933†	5475.7	765.6	ug/L	19.84	765.6	ug/L	19.84	2.59%
Cd 214.440†	23.3	-0.197	ug/L	0.0167	-0.197	ug/L	0.0167	8.47%
Co 228.616†	115.0	7.797	ug/L	0.9514	7.797	ug/L	0.9514	12.20%
Cr 267.716†	347.7	17.60	ug/L	0.277	17.60	ug/L	0.277	1.58%
Fe 238.204†	62142.0	32710	ug/L	93.5	32710	ug/L	93.5	0.29%
K 766.490†	6073.4	1079	ug/L	39.7	1079	ug/L	39.7	3.68%
Mg 285.213†	15866.8	1613	ug/L	35.1	1613	ug/L	35.1	2.18%

Mn 257.610†	136662.1	387.4	ug/L	0.85	387.4	ug/L	0.85	0.22%
Mo 202.031†	-0.3	1.194	ug/L	0.5529	1.194	ug/L	0.5529	46.32%
Na 589.592†	-99.5	-13.52	ug/L	6.396	-13.52	ug/L	6.396	47.31%
Ni 231.604†	76.0	10.69	ug/L	0.928	10.69	ug/L	0.928	8.68%
Pb 220.353†	14.6	8.486	ug/L	0.9161	8.486	ug/L	0.9161	10.80%
Sb 206.836†	1.3	0.864	ug/L	0.1972	0.864	ug/L	0.1972	22.82%
Se 196.026†	-13.4	-9.506	ug/L	0.8558	-9.506	ug/L	0.8558	9.00%
V 311.071†	4606.6	22.85	ug/L	0.188	22.85	ug/L	0.188	0.82%
Sn 189.927†	-0.2	1.930	ug/L	2.7977	1.930	ug/L	2.7977	144.93%
Sr 421.552†	6542.3	9.200	ug/L	0.2670	9.200	ug/L	0.2670	2.90%
Tl 190.801†	-9.7	1.076	ug/L	0.3661	1.076	ug/L	0.3661	34.03%
Zn 206.200†	340.4	35.75	ug/L	0.630	35.75	ug/L	0.630	1.76%
Ti 334.940†	201925.9	413.1	ug/L	2.40	413.1	ug/L	2.40	0.58%
B 249.772†	3859.9	-9.825	ug/L	0.2837	-9.825	ug/L	0.2837	2.89%
Cu 324.752†	2621.3	14.91	ug/L	0.459	14.91	ug/L	0.459	3.08%
S 181.975†	-43.0	-360.3	ug/L	14.74	-360.3	ug/L	14.74	4.09%
Zr 343.823†	946.7	3.523	ug/L	0.0778	3.523	ug/L	0.0778	2.21%
Li 670.784†	1341.6	6.823	ug/L	0.1393	6.823	ug/L	0.1393	2.04%

Sequence No.: 85
Sample ID: 220-16006-a-87-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 101
Date Collected: 7/20/2011 3:29:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-87-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	815144.2	1.082	mg/L	0.0093				0.86%
Y (radial)	106431.4	1.099	mg/L	0.0012				0.11%
Ag 328.068†	-715.9	-0.113	ug/L	0.1096	-0.113	ug/L	0.1096	97.27%
Al 396.153†	603652.1	74150	ug/L	306.4	74150	ug/L	306.4	0.41%
As 188.979†	156.8	206.6	ug/L	7.57	206.6	ug/L	7.57	3.66%
Ba 233.527†	13929.6	256.5	ug/L	0.73	256.5	ug/L	0.73	0.28%
Be 313.107†	-3961.4	1.790	ug/L	0.0584	1.790	ug/L	0.0584	3.27%
Ca 317.933†	28804.6	4027	ug/L	15.0	4027	ug/L	15.0	0.37%
Cd 214.440†	151.1	2.041	ug/L	0.1370	2.041	ug/L	0.1370	6.71%
Co 228.616†	311.1	20.23	ug/L	0.364	20.23	ug/L	0.364	1.80%
Cr 267.716†	2975.1	147.2	ug/L	0.84	147.2	ug/L	0.84	0.57%
Fe 238.204†	182337.0	95970	ug/L	37.5	95970	ug/L	37.5	0.04%
K 766.490†	15222.2	2705	ug/L	11.5	2705	ug/L	11.5	0.42%
Mg 285.213†	83613.6	8440	ug/L	1.1	8440	ug/L	1.1	0.01%
Mn 257.610†	376310.3	1067	ug/L	5.9	1067	ug/L	5.9	0.55%
Mo 202.031†	-3.9	2.781	ug/L	0.6869	2.781	ug/L	0.6869	24.70%
Na 589.592†	804.1	109.2	ug/L	0.54	109.2	ug/L	0.54	0.49%
Ni 231.604†	371.2	52.95	ug/L	0.270	52.95	ug/L	0.270	0.51%
Pb 220.353†	615.0	464.5	ug/L	5.08	464.5	ug/L	5.08	1.09%
Sb 206.836†	7.2	4.196	ug/L	2.3315	4.196	ug/L	2.3315	55.56%
Se 196.026†	-34.0	-15.09	ug/L	3.401	-15.09	ug/L	3.401	22.54%
V 311.071†	30564.3	169.0	ug/L	0.18	169.0	ug/L	0.18	0.10%
Sn 189.927†	52.0	41.78	ug/L	2.161	41.78	ug/L	2.161	5.17%
Sr 421.552†	17960.6	25.23	ug/L	0.156	25.23	ug/L	0.156	0.62%
Tl 190.801†	-41.1	-2.847	ug/L	5.3284	-2.847	ug/L	5.3284	187.19%
Zn 206.200†	2417.8	254.2	ug/L	0.63	254.2	ug/L	0.63	0.25%
Ti 334.940†	712327.4	1457	ug/L	6.2	1457	ug/L	6.2	0.43%
B 249.772†	11151.6	-34.70	ug/L	2.720	-34.70	ug/L	2.720	7.84%
Cu 324.752†	57745.7	252.3	ug/L	1.46	252.3	ug/L	1.46	0.58%
S 181.975†	-31.6	-45.23	ug/L	50.096	-45.23	ug/L	50.096	110.77%
Zr 343.823†	591.6	-2.178	ug/L	0.0244	-2.178	ug/L	0.0244	1.12%
Li 670.784†	10752.3	54.69	ug/L	0.035	54.69	ug/L	0.035	0.06%

Sequence No.: 86
Sample ID: 220-16006-a-88-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 102
Date Collected: 7/20/2011 3:32:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-88-a

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	794797.6	1.055	mg/L	0.0028				0.27%
Y (radial)	104695.4	1.081	mg/L	0.0043				0.40%
Ag 328.068†	-845.4	-0.631	ug/L	0.1836	-0.631	ug/L	0.1836	29.07%
Al 396.153†	693955.7	85240	ug/L	1247.1	85240	ug/L	1247.1	1.46%
As 188.979†	26.7	41.98	ug/L	3.731	41.98	ug/L	3.731	8.89%
Ba 233.527†	8483.1	155.5	ug/L	0.97	155.5	ug/L	0.97	0.62%
Be 313.107†	-3472.3	1.742	ug/L	0.0224	1.742	ug/L	0.0224	1.29%
Ca 317.933†	6763.1	945.6	ug/L	4.92	945.6	ug/L	4.92	0.52%
Cd 214.440†	91.9	-0.174	ug/L	0.2108	-0.174	ug/L	0.2108	121.40%
Co 228.616†	440.3	31.09	ug/L	0.117	31.09	ug/L	0.117	0.38%
Cr 267.716†	2030.4	101.3	ug/L	0.20	101.3	ug/L	0.20	0.19%
Fe 238.204†	205005.0	107900	ug/L	1375.9	107900	ug/L	1375.9	1.28%
K 766.490†	17862.6	3174	ug/L	16.0	3174	ug/L	16.0	0.51%
Mg 285.213†	106180.7	10710	ug/L	13.6	10710	ug/L	13.6	0.13%
Mn 257.610†	228795.2	648.2	ug/L	0.62	648.2	ug/L	0.62	0.10%
Mo 202.031†	-5.3	2.896	ug/L	1.2200	2.896	ug/L	1.2200	42.12%
Na 589.592†	-35.9	-4.872	ug/L	10.5727	-4.872	ug/L	10.5727	216.99%
Ni 231.604†	439.8	62.80	ug/L	2.494	62.80	ug/L	2.494	3.97%
Pb 220.353†	115.2	84.05	ug/L	3.392	84.05	ug/L	3.392	4.04%
Sb 206.836†	4.2	1.965	ug/L	10.0069	1.965	ug/L	10.0069	509.18%
Se 196.026†	-29.0	2.720	ug/L	5.9561	2.720	ug/L	5.9561	218.96%
V 311.071†	23743.8	128.3	ug/L	0.41	128.3	ug/L	0.41	0.32%
Sn 189.927†	6.1	10.61	ug/L	0.880	10.61	ug/L	0.880	8.29%
Sr 421.552†	12106.7	17.03	ug/L	0.223	17.03	ug/L	0.223	1.31%
Tl 190.801†	-26.1	7.378	ug/L	1.4550	7.378	ug/L	1.4550	19.72%
Zn 206.200†	2635.3	276.5	ug/L	0.66	276.5	ug/L	0.66	0.24%
Ti 334.940†	646223.4	1322	ug/L	0.8	1322	ug/L	0.8	0.06%
B 249.772†	12387.4	-44.09	ug/L	4.903	-44.09	ug/L	4.903	11.12%
Cu 324.752†	15372.4	77.21	ug/L	0.127	77.21	ug/L	0.127	0.16%
S 181.975†	-176.7	-1355	ug/L	58.6	-1355	ug/L	58.6	4.33%
Zr 343.823†	1386.2	3.016	ug/L	0.0482	3.016	ug/L	0.0482	1.60%
Li 670.784†	12303.9	62.58	ug/L	0.747	62.58	ug/L	0.747	1.19%

Sequence No.: 87
Sample ID: 220-16006-a-95-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 103
Date Collected: 7/20/2011 3:35:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-95-a

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	801994.5	1.064	mg/L	0.0004				0.04%
Y (radial)	105795.9	1.093	mg/L	0.0002				0.02%
Ag 328.068†	-591.9	-0.411	ug/L	0.0922	-0.411	ug/L	0.0922	22.45%
Al 396.153†	436688.2	53640	ug/L	448.1	53640	ug/L	448.1	0.84%
As 188.979†	7.3	15.26	ug/L	5.801	15.26	ug/L	5.801	38.01%
Ba 233.527†	5363.6	98.26	ug/L	0.208	98.26	ug/L	0.208	0.21%
Be 313.107†	-6634.8	1.176	ug/L	0.0383	1.176	ug/L	0.0383	3.26%
Ca 317.933†	18105.1	2531	ug/L	10.8	2531	ug/L	10.8	0.43%
Cd 214.440†	73.5	0.160	ug/L	0.6022	0.160	ug/L	0.6022	376.15%
Co 228.616†	505.1	36.54	ug/L	0.681	36.54	ug/L	0.681	1.86%
Cr 267.716†	1928.6	95.69	ug/L	0.328	95.69	ug/L	0.328	0.34%
Fe 238.204†	144066.7	75830	ug/L	337.6	75830	ug/L	337.6	0.45%
K 766.490†	15307.7	2720	ug/L	18.7	2720	ug/L	18.7	0.69%
Mg 285.213†	74890.3	7552	ug/L	4.0	7552	ug/L	4.0	0.05%
Mn 257.610†	368313.5	1044	ug/L	2.3	1044	ug/L	2.3	0.22%
Mo 202.031†	43.6	13.88	ug/L	0.196	13.88	ug/L	0.196	1.41%
Na 589.592†	130.6	17.74	ug/L	4.246	17.74	ug/L	4.246	23.93%
Ni 231.604†	325.5	46.54	ug/L	2.096	46.54	ug/L	2.096	4.50%
Pb 220.353†	47.0	32.71	ug/L	7.355	32.71	ug/L	7.355	22.49%
Sb 206.836†	-4.7	-4.693	ug/L	0.7876	-4.693	ug/L	0.7876	16.78%
Se 196.026†	-17.0	10.05	ug/L	4.784	10.05	ug/L	4.784	47.59%
V 311.071†	18612.7	90.19	ug/L	0.560	90.19	ug/L	0.560	0.62%
Sn 189.927†	2.0	11.14	ug/L	1.466	11.14	ug/L	1.466	13.16%
Sr 421.552†	21440.9	30.15	ug/L	0.013	30.15	ug/L	0.013	0.04%
Tl 190.801†	-39.4	3.712	ug/L	3.6785	3.712	ug/L	3.6785	99.10%
Zn 206.200†	1287.1	135.5	ug/L	1.61	135.5	ug/L	1.61	1.19%

Ti 334.940†	963020.5	1970	ug/L	1.6	1970	ug/L	1.6	0.08%
B 249.772†	8634.8	-33.36	ug/L	0.183	-33.36	ug/L	0.183	0.55%
Cu 324.752†	7869.0	42.04	ug/L	0.631	42.04	ug/L	0.631	1.50%
S 181.975†	-108.8	-805.9	ug/L	82.95	-805.9	ug/L	82.95	10.29%
Zr 343.823†	1509.8	4.790	ug/L	0.0362	4.790	ug/L	0.0362	0.76%
Li 670.784†	7287.2	37.06	ug/L	0.259	37.06	ug/L	0.259	0.70%

Sequence No.: 88
Sample ID: 220-16006-a-99-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 104
Date Collected: 7/20/2011 3:39:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-99-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	812324.3	1.078	mg/L	0.0088				0.82%
Y (radial)	106419.1	1.099	mg/L	0.0143				1.30%
Ag 328.068†	-960.6	-1.411	ug/L	0.0865	-1.411	ug/L	0.0865	6.13%
Al 396.153†	755394.6	92790	ug/L	1571.9	92790	ug/L	1571.9	1.69%
As 188.979†	22.7	36.61	ug/L	4.629	36.61	ug/L	4.629	12.65%
Ba 233.527†	13881.0	255.6	ug/L	0.34	255.6	ug/L	0.34	0.13%
Be 313.107†	-6811.7	2.547	ug/L	0.0684	2.547	ug/L	0.0684	2.68%
Ca 317.933†	708808.7	99100	ug/L	1306.3	99100	ug/L	1306.3	1.32%
Cd 214.440†	122.4	0.891	ug/L	0.4810	0.891	ug/L	0.4810	53.99%
Co 228.616†	572.1	40.49	ug/L	1.861	40.49	ug/L	1.861	4.60%
Cr 267.716†	2977.4	147.8	ug/L	1.03	147.8	ug/L	1.03	0.70%
Fe 238.204†	198349.6	104400	ug/L	231.4	104400	ug/L	231.4	0.22%
K 766.490†	25797.3	4584	ug/L	7.2	4584	ug/L	7.2	0.16%
Mg 285.213†	387186.5	38820	ug/L	612.5	38820	ug/L	612.5	1.58%
Mn 257.610†	397759.6	1126	ug/L	2.1	1126	ug/L	2.1	0.18%
Mo 202.031†	0.5	4.209	ug/L	1.8257	4.209	ug/L	1.8257	43.38%
Na 589.592†	5574.1	757.1	ug/L	6.22	757.1	ug/L	6.22	0.82%
Ni 231.604†	667.4	95.96	ug/L	0.462	95.96	ug/L	0.462	0.48%
Pb 220.353†	276.0	207.4	ug/L	10.41	207.4	ug/L	10.41	5.02%
Sb 206.836†	-33.4	-17.45	ug/L	1.117	-17.45	ug/L	1.117	6.40%
Se 196.026†	-70.1	-63.01	ug/L	15.884	-63.01	ug/L	15.884	25.21%
V 311.071†	35982.6	192.3	ug/L	0.97	192.3	ug/L	0.97	0.51%
Sn 189.927†	21.4	29.91	ug/L	1.244	29.91	ug/L	1.244	4.16%
Sr 421.552†	176059.3	246.4	ug/L	4.48	246.4	ug/L	4.48	1.82%
Tl 190.801†	-67.2	-5.772	ug/L	2.1402	-5.772	ug/L	2.1402	37.08%
Zn 206.200†	4120.2	432.3	ug/L	7.04	432.3	ug/L	7.04	1.63%
Ti 334.940†	1157873.8	2369	ug/L	1.3	2369	ug/L	1.3	0.06%
B 249.772†	13249.7	-0.038	ug/L	5.0714	-0.038	ug/L	5.0714	>999.9%
Cu 324.752†	39904.2	179.0	ug/L	0.48	179.0	ug/L	0.48	0.27%
S 181.975†	-313.6	-1800	ug/L	30.8	-1800	ug/L	30.8	1.71%
Zr 343.823†	1147.1	1.776	ug/L	0.0242	1.776	ug/L	0.0242	1.36%
Li 670.784†	14286.5	72.66	ug/L	0.093	72.66	ug/L	0.093	0.13%

Sequence No.: 89
Sample ID: 220-16006-a-100-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 105
Date Collected: 7/20/2011 3:42:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-100-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	824332.4	1.094	mg/L	0.0066				0.61%
Y (radial)	107401.2	1.109	mg/L	0.0030				0.27%
Ag 328.068†	-936.5	-1.029	ug/L	0.2751	-1.029	ug/L	0.2751	26.73%
Al 396.153†	765003.1	93970	ug/L	1237.5	93970	ug/L	1237.5	1.32%
As 188.979†	17.2	29.89	ug/L	1.271	29.89	ug/L	1.271	4.25%
Ba 233.527†	11162.2	205.2	ug/L	1.33	205.2	ug/L	1.33	0.65%
Be 313.107†	-8763.3	2.920	ug/L	0.0620	2.920	ug/L	0.0620	2.13%
Ca 317.933†	20365.8	2847	ug/L	15.8	2847	ug/L	15.8	0.56%
Cd 214.440†	78.4	-0.672	ug/L	0.1306	-0.672	ug/L	0.1306	19.44%
Co 228.616†	539.3	36.16	ug/L	0.722	36.16	ug/L	0.722	2.00%

Cr 267.716†	2245.3	111.9	ug/L	0.33	111.9	ug/L	0.33	0.30%
Fe 238.204†	209709.0	110400	ug/L	547.2	110400	ug/L	547.2	0.50%
K 766.490†	20323.6	3611	ug/L	44.0	3611	ug/L	44.0	1.22%
Mg 285.213†	141823.8	14280	ug/L	13.0	14280	ug/L	13.0	0.09%
Mn 257.610†	338458.5	959.0	ug/L	1.94	959.0	ug/L	1.94	0.20%
Mo 202.031†	-1.7	3.885	ug/L	1.9865	3.885	ug/L	1.9865	51.13%
Na 589.592†	1313.0	178.3	ug/L	8.26	178.3	ug/L	8.26	4.63%
Ni 231.604†	419.0	59.75	ug/L	0.698	59.75	ug/L	0.698	1.17%
Pb 220.353†	88.2	64.06	ug/L	7.614	64.06	ug/L	7.614	11.89%
Sb 206.836†	0.1	-1.130	ug/L	4.1849	-1.130	ug/L	4.1849	370.26%
Se 196.026†	-37.3	-14.01	ug/L	11.105	-14.01	ug/L	11.105	79.25%
V 311.071†	32326.0	162.4	ug/L	3.29	162.4	ug/L	3.29	2.03%
Sn 189.927†	-4.2	11.95	ug/L	3.073	11.95	ug/L	3.073	25.72%
Sr 421.552†	19358.0	27.21	ug/L	0.090	27.21	ug/L	0.090	0.33%
Tl 190.801†	-65.6	0.500	ug/L	1.8182	0.500	ug/L	1.8182	363.51%
Zn 206.200†	1499.2	157.8	ug/L	0.13	157.8	ug/L	0.13	0.08%
Ti 334.940†	1444586.3	2956	ug/L	5.3	2956	ug/L	5.3	0.18%
B 249.772†	12772.4	-41.71	ug/L	5.695	-41.71	ug/L	5.695	13.65%
Cu 324.752†	13523.6	69.81	ug/L	1.049	69.81	ug/L	1.049	1.50%
S 181.975†	-204.8	-1513	ug/L	13.5	-1513	ug/L	13.5	0.89%
Zr 343.823†	1557.1	3.736	ug/L	0.3262	3.736	ug/L	0.3262	8.73%
Li 670.784†	12917.6	65.70	ug/L	0.233	65.70	ug/L	0.233	0.35%

Sequence No.: 90
Sample ID: 220-16006-a-101-a
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 106
Date Collected: 7/20/2011 3:45:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 220-16006-a-101-a

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	789814.4	1.048	mg/L	0.0068				0.65%
Y (radial)	102402.9	1.058	mg/L	0.0177				1.68%
Ag 328.068†	-260.7	-0.171	ug/L	0.2076	-0.171	ug/L	0.2076	121.10%
Al 396.153†	135900.3	16690	ug/L	217.8	16690	ug/L	217.8	1.30%
As 188.979†	0.4	3.354	ug/L	3.1056	3.354	ug/L	3.1056	92.59%
Ba 233.527†	7058.9	130.1	ug/L	1.22	130.1	ug/L	1.22	0.94%
Be 313.107†	-1778.2	0.840	ug/L	0.0283	0.840	ug/L	0.0283	3.37%
Ca 317.933†	10393.8	1453	ug/L	5.6	1453	ug/L	5.6	0.38%
Cd 214.440†	24.2	-0.216	ug/L	0.1273	-0.216	ug/L	0.1273	59.01%
Co 228.616†	123.9	8.068	ug/L	0.4158	8.068	ug/L	0.4158	5.15%
Cr 267.716†	624.7	31.18	ug/L	0.514	31.18	ug/L	0.514	1.65%
Fe 238.204†	65264.0	34350	ug/L	10.8	34350	ug/L	10.8	0.03%
K 766.490†	10028.6	1782	ug/L	5.3	1782	ug/L	5.3	0.30%
Mg 285.213†	31740.4	3202	ug/L	8.4	3202	ug/L	8.4	0.26%
Mn 257.610†	166246.6	471.2	ug/L	0.87	471.2	ug/L	0.87	0.18%
Mo 202.031†	9.2	3.656	ug/L	1.1303	3.656	ug/L	1.1303	30.92%
Na 589.592†	749.0	101.7	ug/L	1.95	101.7	ug/L	1.95	1.92%
Ni 231.604†	103.8	14.72	ug/L	1.453	14.72	ug/L	1.453	9.87%
Pb 220.353†	20.9	13.88	ug/L	4.353	13.88	ug/L	4.353	31.35%
Sb 206.836†	0.0	-0.229	ug/L	6.7473	-0.229	ug/L	6.7473	>999.9%
Se 196.026†	-7.7	4.633	ug/L	3.0962	4.633	ug/L	3.0962	66.82%
V 311.071†	6053.0	28.85	ug/L	0.558	28.85	ug/L	0.558	1.93%
Sn 189.927†	6.7	7.741	ug/L	1.5459	7.741	ug/L	1.5459	19.97%
Sr 421.552†	15089.0	21.22	ug/L	0.109	21.22	ug/L	0.109	0.51%
Tl 190.801†	-7.7	6.218	ug/L	0.3578	6.218	ug/L	0.3578	5.75%
Zn 206.200†	424.3	44.65	ug/L	0.204	44.65	ug/L	0.204	0.46%
Ti 334.940†	324375.8	663.7	ug/L	5.16	663.7	ug/L	5.16	0.78%
B 249.772†	4024.1	-11.32	ug/L	1.034	-11.32	ug/L	1.034	9.13%
Cu 324.752†	2950.7	16.49	ug/L	0.046	16.49	ug/L	0.046	0.28%
S 181.975†	-65.3	-523.9	ug/L	18.82	-523.9	ug/L	18.82	3.59%
Zr 343.823†	594.7	1.566	ug/L	0.0513	1.566	ug/L	0.0513	3.28%
Li 670.784†	3439.1	17.49	ug/L	0.366	17.49	ug/L	0.366	2.09%

Sequence No.: 91
Sample ID: 220-16006-a-105-a
Analyst:
Initial Sample Wt:

Autosampler Location: 107
Date Collected: 7/20/2011 3:48:18 PM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: 220-16006-a-105-a

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	828994.2	1.100	mg/L	0.0113				1.03%
Y (radial)	110255.2	1.139	mg/L	0.0131				1.15%
Ag 328.068†	-1296.8	-1.535	ug/L	0.0619	-1.535	ug/L	0.0619	4.03%
Al 396.153†	1179435.4	144900	ug/L	2223.1	144900	ug/L	2223.1	1.53%
As 188.979†	19.6	35.37	ug/L	3.624	35.37	ug/L	3.624	10.25%
Ba 233.527†	15579.6	286.4	ug/L	5.84	286.4	ug/L	5.84	2.04%
Be 313.107†	-9991.4	3.766	ug/L	0.1903	3.766	ug/L	0.1903	5.05%
Ca 317.933†	26359.3	3685	ug/L	18.4	3685	ug/L	18.4	0.50%
Cd 214.440†	100.2	-1.141	ug/L	0.5200	-1.141	ug/L	0.5200	45.57%
Co 228.616†	697.3	47.15	ug/L	1.042	47.15	ug/L	1.042	2.21%
Cr 267.716†	3178.2	158.3	ug/L	0.81	158.3	ug/L	0.81	0.51%
Fe 238.204†	286994.5	151100	ug/L	508.3	151100	ug/L	508.3	0.34%
K 766.490†	26388.0	4689	ug/L	17.4	4689	ug/L	17.4	0.37%
Mg 285.213†	201131.3	20240	ug/L	34.1	20240	ug/L	34.1	0.17%
Mn 257.610†	389379.4	1103	ug/L	3.2	1103	ug/L	3.2	0.29%
Mo 202.031†	-3.2	5.096	ug/L	0.8224	5.096	ug/L	0.8224	16.14%
Na 589.592†	2288.2	310.8	ug/L	4.85	310.8	ug/L	4.85	1.56%
Ni 231.604†	590.0	84.18	ug/L	0.428	84.18	ug/L	0.428	0.51%
Pb 220.353†	112.4	82.72	ug/L	0.586	82.72	ug/L	0.586	0.71%
Sb 206.836†	6.1	2.996	ug/L	13.3855	2.996	ug/L	13.3855	446.82%
Se 196.026†	-45.3	-6.227	ug/L	22.6357	-6.227	ug/L	22.6357	363.51%
V 311.071†	44566.6	230.6	ug/L	4.98	230.6	ug/L	4.98	2.16%
Sn 189.927†	-6.6	13.00	ug/L	0.122	13.00	ug/L	0.122	0.94%
Sr 421.552†	25516.1	35.87	ug/L	0.089	35.87	ug/L	0.089	0.25%
Tl 190.801†	-75.9	3.450	ug/L	0.1924	3.450	ug/L	0.1924	5.58%
Zn 206.200†	1955.5	205.9	ug/L	2.56	205.9	ug/L	2.56	1.24%
Ti 334.940†	1702196.4	3483	ug/L	10.9	3483	ug/L	10.9	0.31%
B 249.772†	17551.0	-54.67	ug/L	9.583	-54.67	ug/L	9.583	17.53%
Cu 324.752†	17040.5	89.43	ug/L	1.484	89.43	ug/L	1.484	1.66%
S 181.975†	-188.1	-1175	ug/L	64.9	-1175	ug/L	64.9	5.53%
Zr 343.823†	2846.0	8.493	ug/L	0.1399	8.493	ug/L	0.1399	1.65%
Li 670.784†	19942.8	101.4	ug/L	0.75	101.4	ug/L	0.75	0.74%

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Sequence No.: 92 Autosampler Location: 7
Sample ID: CCV Date Collected: 7/20/2011 3:51:24 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	779609.1	1.035	mg/L	0.0096				0.93%
Y (radial)	100964.3	1.043	mg/L	0.0022				0.21%
Ag 328.068†	34453.1	248.7	ug/L	0.76	248.7	ug/L	0.76	0.31%
QC value within limits for Ag 328.068 Recovery = 99.48%								
Al 396.153†	41143.9	5031	ug/L	30.3	5031	ug/L	30.3	0.60%
QC value within limits for Al 396.153 Recovery = 100.61%								
As 188.979†	422.7	538.5	ug/L	16.35	538.5	ug/L	16.35	3.04%
QC value within limits for As 188.979 Recovery = 107.69%								
Ba 233.527†	27586.8	511.2	ug/L	1.31	511.2	ug/L	1.31	0.26%
QC value within limits for Ba 233.527 Recovery = 102.23%								
Be 313.107†	518076.8	505.8	ug/L	1.18	505.8	ug/L	1.18	0.23%
QC value within limits for Be 313.107 Recovery = 101.15%								
Ca 317.933†	132811.8	18570	ug/L	63.0	18570	ug/L	63.0	0.34%
QC value within limits for Ca 317.933 Recovery = 100.37%								
Cd 214.440†	16481.4	521.0	ug/L	3.49	521.0	ug/L	3.49	0.67%
QC value within limits for Cd 214.440 Recovery = 104.20%								
Co 228.616†	6055.2	521.8	ug/L	5.84	521.8	ug/L	5.84	1.12%
QC value within limits for Co 228.616 Recovery = 104.35%								
Cr 267.716†	10556.2	516.0	ug/L	3.95	516.0	ug/L	3.95	0.77%
QC value within limits for Cr 267.716 Recovery = 103.20%								
Fe 238.204†	10782.9	5676	ug/L	20.2	5676	ug/L	20.2	0.36%
QC value within limits for Fe 238.204 Recovery = 103.19%								

K 766.490†	220677.4	39210 ug/L	537.8	39210 ug/L	537.8	1.37%
QC value within limits for K 766.490 Recovery = 98.03%						
Mg 285.213†	189895.4	19010 ug/L	202.5	19010 ug/L	202.5	1.07%
QC value within limits for Mg 285.213 Recovery = 102.74%						
Mn 257.610†	181509.6	513.8 ug/L	0.53	513.8 ug/L	0.53	0.10%
QC value within limits for Mn 257.610 Recovery = 102.76%						
Mo 202.031†	1996.3	499.9 ug/L	5.30	499.9 ug/L	5.30	1.06%
QC value within limits for Mo 202.031 Recovery = 99.98%						
Na 589.592†	284508.7	38640 ug/L	403.7	38640 ug/L	403.7	1.04%
QC value within limits for Na 589.592 Recovery = 96.61%						
Ni 231.604†	3616.9	526.6 ug/L	4.08	526.6 ug/L	4.08	0.77%
QC value within limits for Ni 231.604 Recovery = 105.32%						
Pb 220.353†	681.6	519.8 ug/L	7.37	519.8 ug/L	7.37	1.42%
QC value within limits for Pb 220.353 Recovery = 103.95%						
Sb 206.836†	653.5	514.6 ug/L	2.77	514.6 ug/L	2.77	0.54%
QC value within limits for Sb 206.836 Recovery = 102.93%						
Se 196.026†	211.4	486.7 ug/L	2.32	486.7 ug/L	2.32	0.48%
QC value within limits for Se 196.026 Recovery = 97.33%						
V 311.071†	81258.3	491.1 ug/L	0.57	491.1 ug/L	0.57	0.12%
QC value within limits for V 311.071 Recovery = 98.21%						
Sn 189.927†	760.3	506.9 ug/L	2.91	506.9 ug/L	2.91	0.57%
QC value within limits for Sn 189.927 Recovery = 101.37%						
Sr 421.552†	344863.1	485.2 ug/L	5.46	485.2 ug/L	5.46	1.13%
QC value within limits for Sr 421.552 Recovery = 97.05%						
Tl 190.801†	694.7	535.7 ug/L	12.75	535.7 ug/L	12.75	2.38%
QC value within limits for Tl 190.801 Recovery = 107.14%						
Zn 206.200†	4955.2	522.8 ug/L	4.15	522.8 ug/L	4.15	0.79%
QC value within limits for Zn 206.200 Recovery = 104.55%						
Ti 334.940†	251739.5	515.0 ug/L	0.17	515.0 ug/L	0.17	0.03%
QC value within limits for Ti 334.940 Recovery = 103.01%						
B 249.772†	14285.6	457.3 ug/L	1.30	457.3 ug/L	1.30	0.28%
QC value within limits for B 249.772 Recovery = 91.45%						
Cu 324.752†	122279.4	510.2 ug/L	1.49	510.2 ug/L	1.49	0.29%
QC value within limits for Cu 324.752 Recovery = 102.04%						
S 181.975†	1026.7	10330 ug/L	115.5	10330 ug/L	115.5	1.12%
QC value within limits for S 181.975 Recovery = 103.30%						
Zr 343.823†	105484.7	487.5 ug/L	0.17	487.5 ug/L	0.17	0.04%
QC value within limits for Zr 343.823 Recovery = 97.50%						
Li 670.784†	95657.5	486.5 ug/L	3.64	486.5 ug/L	3.64	0.75%
QC value within limits for Li 670.784 Recovery = 97.30%						

All analyte(s) passed QC.

Sequence No.: 93 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 7/20/2011 3:55:02 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	787986.6	1.046	mg/L	0.0039				0.37%
Y (radial)	102481.2	1.058	mg/L	0.0064				0.60%
Ag 328.068†	11.1	0.076	ug/L	0.0197	0.076	ug/L	0.0197	25.86%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	48.4	5.986	ug/L	0.6202	5.986	ug/L	0.6202	10.36%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-0.8	-1.065	ug/L	0.7685	-1.065	ug/L	0.7685	72.18%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	14.6	0.270	ug/L	0.0802	0.270	ug/L	0.0802	29.75%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	19.1	0.020	ug/L	0.0427	0.020	ug/L	0.0427	216.02%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	2.3	0.323	ug/L	1.2710	0.323	ug/L	1.2710	393.95%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	-9.0	-0.284	ug/L	0.1962	-0.284	ug/L	0.1962	69.05%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-9.0	-0.778	ug/L	1.0236	-0.778	ug/L	1.0236	131.56%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-0.3	-0.015	ug/L	0.3923	-0.015	ug/L	0.3923	>999.9%

QC value within limits for Cr 267.716 Recovery = Not calculated

Fe 238.204†	10.3	5.412 ug/L	0.5768	5.412 ug/L	0.5768	10.66%

QC value within limits for Fe 238.204 Recovery = Not calculated

K 766.490†	-18.8	-3.333 ug/L	32.5149	-3.333 ug/L	32.5149	975.63%

QC value within limits for K 766.490 Recovery = Not calculated

Mg 285.213†	21.1	2.114 ug/L	0.0739	2.114 ug/L	0.0739	3.49%

QC value within limits for Mg 285.213 Recovery = Not calculated

Mn 257.610†	-5.6	-0.016 ug/L	0.0342	-0.016 ug/L	0.0342	212.27%

QC value within limits for Mn 257.610 Recovery = Not calculated

Mo 202.031†	-3.5	-0.879 ug/L	0.9489	-0.879 ug/L	0.9489	107.91%

QC value within limits for Mo 202.031 Recovery = Not calculated

Na 589.592†	-926.9	-125.9 ug/L	9.91	-125.9 ug/L	9.91	7.87%

QC value within limits for Na 589.592 Recovery = Not calculated

Ni 231.604†	0.7	0.105 ug/L	0.0779	0.105 ug/L	0.0779	74.38%

QC value within limits for Ni 231.604 Recovery = Not calculated

Pb 220.353†	-3.7	-2.794 ug/L	0.5543	-2.794 ug/L	0.5543	19.84%

QC value within limits for Pb 220.353 Recovery = Not calculated

Sb 206.836†	5.1	4.007 ug/L	1.9176	4.007 ug/L	1.9176	47.85%

QC value within limits for Sb 206.836 Recovery = Not calculated

Se 196.026†	-0.0	-0.005 ug/L	8.6099	-0.005 ug/L	8.6099	>999.9%

QC value within limits for Se 196.026 Recovery = Not calculated

V 311.071†	-74.1	-0.462 ug/L	0.6081	-0.462 ug/L	0.6081	131.72%

QC value within limits for V 311.071 Recovery = Not calculated

Sn 189.927†	-0.1	-0.081 ug/L	3.0870	-0.081 ug/L	3.0870	>999.9%

QC value within limits for Sn 189.927 Recovery = Not calculated

Sr 421.552†	-16.6	-0.023 ug/L	0.0504	-0.023 ug/L	0.0504	215.06%

QC value within limits for Sr 421.552 Recovery = Not calculated

Tl 190.801†	4.8	3.660 ug/L	3.1261	3.660 ug/L	3.1261	85.42%

QC value within limits for Tl 190.801 Recovery = Not calculated

Zn 206.200†	-2.9	-0.300 ug/L	0.0369	-0.300 ug/L	0.0369	12.29%

QC value within limits for Zn 206.200 Recovery = Not calculated

Ti 334.940†	156.9	0.321 ug/L	0.0070	0.321 ug/L	0.0070	2.17%

QC value within limits for Ti 334.940 Recovery = Not calculated

B 249.772†	67.2	2.241 ug/L	0.5832	2.241 ug/L	0.5832	26.02%

QC value within limits for B 249.772 Recovery = Not calculated

Cu 324.752†	-250.8	-1.044 ug/L	0.0243	-1.044 ug/L	0.0243	2.33%

QC value within limits for Cu 324.752 Recovery = Not calculated

S 181.975†	-1.0	-9.133 ug/L	19.5800	-9.133 ug/L	19.5800	214.39%

QC value within limits for S 181.975 Recovery = Not calculated

Zr 343.823†	106.6	0.508 ug/L	0.1752	0.508 ug/L	0.1752	34.47%

QC value within limits for Zr 343.823 Recovery = Not calculated

Li 670.784†	79.4	0.404 ug/L	0.0051	0.404 ug/L	0.0051	1.27%

QC value within limits for Li 670.784 Recovery = Not calculated

All analyte(s) passed QC.

TestAmerica

128 Long Hill Cross Roads
Shelton, Connecticut, 06484

METALS QUALITY CONTROL APPROVAL REPORT

Batch Number S3033

	1st Level Review	Comments
Chain of Custody forms have been completed.	JV 7/19/11	
Initial Calibration meets the following criteria*: ( )CLP ( )EPA200.7 ( )NYSDEC (✓)SW846 ( )Other	↓	
Continuing calibration meets the following criteria*: ( )CLP ( )EPA200.7 ( )NYSDEC (✓)SW846 ( )Other	↓	
Correct analytical sequence followed (CRI, ICSA,etc.) and criteria* met.	↓	
All blank criteria* met. ( )CLP ( )EPA200.7 ( )NYSDEC (✓)SW846 ( )Other	↓	
IDLs, Linear Range and IECs current.	↓	
LSC, MS,MD, MSD (if required) meet acceptance limits*: ( )CLP ( )EPA200.7 ( )NYSDEC (✓)SW846 ( )Other	↓	
Serial dilution analyzed once per SDG or 20 samples.	NA →	
Post digestion spike performed as required.	NA →	
Flagging correct.	JV 7/19/11	
All raw data submitted as per deliverable requiements.	↓	
Prep batch completed with proper information.	↓	
All deviations, prep and anlaysis methods noted in NCMs.	↓	

* Reference SOPs for appropriate acceptance criteria.

This data meets the requirements of the Metals SOP's, unless otherwise documented in a NCM.

_____ Date 7/19/11

Authorizing Signature (2nd level Review)

TestAmerica Form #MEF01105.CT

Sample Information File C:\AAUSER\SAMPINFO\071911.SIF

Description : msnclsol_264, mhclsol_217
Batch ID : 7470A
Volume Units : mL
Weight Units :
Analyst : JV
Sample Volume : 0.50

AS Loc	Sample ID	Sample Weight	Sample Units	User Dilution	Remarks
9	ICV				
10	ICB				
11	MB 220-53012/1-A			1.0000	
12	LCS 220-53012/2-A			1.0000	
13	220-15969-K-1-F			1.0000	
14	LB 220-52815/12-C			1.0000	
15	220-15964-D-1-I			1.0000	
16	220-15964-D-2-F			1.0000	
17	220-15964-D-3-F			1.0000	
18	220-15964-D-4-H			1.0000	
19	220-15964-F-5-G			1.0000	
20	220-15964-E-6-S			1.0000	
21	CCV				
22	CCB				
23	220-15964-E-6-T DU			1.0000	
24	220-15964-E-6-U MS			1.0000	
25	220-15964-E-6-V MSD			1.0000	
26	220-15964-H-7-E			1.0000	
27	220-15964-H-9-D			1.0000	
28	220-15964-F-10-E			1.0000	
29	220-15964-D-11-H			1.0000	
30	LB 220-52927/11-D			1.0000	
31	220-16003-E-1-F			1.0000	
32	220-16013-E-1-D			1.0000	
33	CCV				
34	CCB				
35	220-15975-D-1-B			1.0000	
36	220-15975-D-1-C DU			1.0000	
37	220-15975-D-1-D MS			1.0000	
38	220-15975-D-2-B			1.0000	
39	220-15975-D-3-B			1.0000	
40	220-15975-D-4-B			1.0000	
41	220-15975-D-5-B			1.0000	
42	220-15975-D-6-A			1.0000	
43	220-15975-D-7-A			1.0000	
44	1				
45	CCV				
46	CCB				

Method Name: STLHG1
Method Description: STLHG1
Element: Hg

Date: 07/19/2011
Technique:FI-MHS
Calibration Type:
Hg, Calc. Intercept : Linear
Wavelength: 253.7 nm
Sample Info Name: 071911.SIF Results Data Set Name: CV071911

Element: Hg Seq. No.: 1 AS Loc.: 1 Date: 07/19/2011
Sample ID: Calib Blank

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0004	0.0017	0.0004	01:32:14	No

Auto-zero performed.

Element: Hg Seq. No.: 2 AS Loc.: 2 Date: 07/19/2011
Sample ID: Standard 1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0026	0.0141	0.0030	01:33:10	No

[Hg] Standard number 1 applied. [0.200]
Correlation Coefficient: 1.00000 Slope: 0.01296
Intercept : 0.00000

Element: Hg Seq. No.: 3 AS Loc.: 3 Date: 07/19/2011
Sample ID: Standard 2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0131	0.0645	0.0134	01:34:05	No

[Hg] Standard number 2 applied. [1.000]
Correlation Coefficient: 1.00000 Slope: 0.01306
Intercept : -0.00001

Element: Hg Seq. No.: 4 AS Loc.: 4 Date: 07/19/2011
Sample ID: Standard 3

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0274	0.1337	0.0278	01:35:24	No

[Hg] Standard number 3 applied. [2.000]
Correlation Coefficient: 0.99967 Slope: 0.01371
Intercept : -0.00019

Element: Hg Seq. No.: 5 AS Loc.: 5 Date: 07/19/2011
Sample ID: Standard 4

Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Time	Peak

#	ug/L	ug/L	Signal	Area	Height		Stored
1			0.0672	0.3305	0.0676	01:36:44	No

[Hg] Standard number 4 applied. [5.000]
Correlation Coefficient: 0.99993 Slope: 0.01348
Intercept : -0.00005

==========

Element: Hg Seq. No.: 6 AS Loc.: 6 Date: 07/19/2011
Sample ID: Standard 5

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.1291	0.6233	0.1295	01:38:05	No

[Hg] Standard number 5 applied. [10.00]
Correlation Coefficient: 0.99975 Slope: 0.01295
Intercept : 0.00061

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (ug/L)	Calculated Concentration (ug/L)	Standard Deviation	%RSD
Calib Blank	0.0004	---	----	----	----
Standard 1	0.0026	0.200	0.153	----	----
Standard 2	0.0131	1.000	0.960	----	----
Standard 3	0.0274	2.000	2.072	----	----
Standard 4	0.0672	5.000	5.143	----	----
Standard 5	0.1291	10.000	9.919	----	----
Calib Blank	0.0004	---	----	----	----

Correlation Coefficient: 0.99975 Slope: 0.01295 Intercept: 0.0006

==========

Element: Hg Seq. No.: 7 AS Loc.: 9 Date: 07/19/2011
Sample ID: ICV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.032	5.032	0.0658	0.3195	0.0662	01:39:23	No

==========

Element: Hg Seq. No.: 8 AS Loc.: 10 Date: 07/19/2011
Sample ID: ICB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.043	-0.043	0.0001	0.0014	0.0004	01:40:47	No

==========

Element: Hg Seq. No.: 9 AS Loc.: 11 Date: 07/19/2011
Sample ID: MB 220-53012/1-A

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.049	-0.049	0.0000	0.0012	0.0004	01:41:42	No

Element: Hg Seq. No.: 10 AS Loc.: 12 Date: 07/19/2011
Sample ID: LCS 220-53012/2-A

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.017	5.017	0.0656	0.3181	0.0660	01:42:37	No

Element: Hg Seq. No.: 11 AS Loc.: 13 Date: 07/19/2011
Sample ID: 220-15969-K-1-F

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.146	0.146	0.0025	0.0132	0.0029	01:43:56	No

Element: Hg Seq. No.: 12 AS Loc.: 14 Date: 07/19/2011
Sample ID: LB 220-52815/12-C

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.042	-0.042	0.0001	0.0018	0.0004	01:44:51	No

Element: Hg Seq. No.: 13 AS Loc.: 15 Date: 07/19/2011
Sample ID: 220-15964-D-1-I

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.044	-0.044	0.0000	0.0017	0.0004	01:45:45	No

Element: Hg Seq. No.: 14 AS Loc.: 16 Date: 07/19/2011
Sample ID: 220-15964-D-2-F

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.049	-0.049	0.0000	0.0012	0.0004	01:46:40	No

Element: Hg Seq. No.: 15 AS Loc.: 17 Date: 07/19/2011
Sample ID: 220-15964-D-3-F

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.048	-0.048	0.0000	0.0015	0.0004	01:47:39	No

Element: Hg Seq. No.: 16 AS Loc.: 18 Date: 07/19/2011
Sample ID: 220-15964-D-4-H

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.049	-0.049	0.0000	0.0016	0.0004	01:48:34	No

Element: Hg Seq. No.: 17 AS Loc.: 19 Date: 07/19/2011
Sample ID: 220-15964-F-5-G

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.047	-0.047	0.0000	0.0017	0.0004	01:49:29	No

Element: Hg Seq. No.: 18 AS Loc.: 20 Date: 07/19/2011
Sample ID: 220-15964-E-6-S

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.051	-0.051	0.0000	0.0014	0.0003	01:50:23	No

Element: Hg Seq. No.: 19 AS Loc.: 21 Date: 07/19/2011
Sample ID: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.089	5.089	0.0665	0.3251	0.0669	01:51:18	No

Element: Hg Seq. No.: 20 AS Loc.: 22 Date: 07/19/2011
Sample ID: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.044	-0.044	0.0000	0.0016	0.0004	01:52:35	No

Element: Hg Seq. No.: 21 AS Loc.: 23 Date: 07/19/2011
Sample ID: 220-15964-E-6-T DU

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.047	-0.047	0.0000	0.0014	0.0004	01:53:30	No

Element: Hg Seq. No.: 22 AS Loc.: 24 Date: 07/19/2011
Sample ID: 220-15964-E-6-U MS

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.122	2.122	0.0281	0.1364	0.0285	01:54:24	No

Element: Hg Seq. No.: 23 AS Loc.: 25 Date: 07/19/2011
Sample ID: 220-15964-E-6-V MSD

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.148	2.148	0.0284	0.1373	0.0288	01:55:43	No

Element: Hg Seq. No.: 24 AS Loc.: 26 Date: 07/19/2011
Sample ID: 220-15964-H-7-E

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	-0.044	-0.044	0.0000	0.0019	0.0004	01:57:02	No

Element: Hg Seq. No.: 25 AS Loc.: 27 Date: 07/19/2011
Sample ID: 220-15964-H-9-D

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.049	-0.049	0.0000	0.0016	0.0004	01:57:57	No

Element: Hg Seq. No.: 26 AS Loc.: 28 Date: 07/19/2011
Sample ID: 220-15964-F-10-E

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.046	-0.046	0.0000	0.0020	0.0004	01:58:52	No

Element: Hg Seq. No.: 27 AS Loc.: 29 Date: 07/19/2011
Sample ID: 220-15964-D-11-H

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.048	-0.048	0.0000	0.0017	0.0004	01:59:47	No

Element: Hg Seq. No.: 28 AS Loc.: 30 Date: 07/19/2011
Sample ID: LB 220-52927/11-D

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.054	-0.054	-0.0001	0.0014	0.0003	02:00:42	No

Element: Hg Seq. No.: 29 AS Loc.: 31 Date: 07/19/2011
Sample ID: 220-16003-E-1-F

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.048	-0.048	0.0000	0.0017	0.0004	02:01:37	No

Element: Hg Seq. No.: 30 AS Loc.: 32 Date: 07/19/2011
Sample ID: 220-16013-E-1-D

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.332	1.332	0.0179	0.0846	0.0182	02:02:35	No

Element: Hg Seq. No.: 31 AS Loc.: 33 Date: 07/19/2011
Sample ID: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.105	5.105	0.0667	0.3297	0.0671	02:03:50	No

Element: Hg Seq. No.: 32 AS Loc.: 34 Date: 07/19/2011

Sample ID: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.048	-0.048	0.0000	0.0014	0.0004	02:05:05	No

Element: Hg Seq. No.: 33 AS Loc.: 35 Date: 07/19/2011
Sample ID: 220-15975-D-1-B

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.046	-0.046	0.0000	0.0019	0.0004	02:06:00	No

Element: Hg Seq. No.: 34 AS Loc.: 36 Date: 07/19/2011
Sample ID: 220-15975-D-1-C DU

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.048	-0.048	0.0000	0.0018	0.0004	02:06:55	No

Element: Hg Seq. No.: 35 AS Loc.: 37 Date: 07/19/2011
Sample ID: 220-15975-D-1-D MS

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.067	2.067	0.0274	0.1334	0.0278	02:07:50	No

Element: Hg Seq. No.: 36 AS Loc.: 38 Date: 07/19/2011
Sample ID: 220-15975-D-2-B

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.050	-0.050	0.0000	0.0016	0.0003	02:09:06	No

Element: Hg Seq. No.: 37 AS Loc.: 39 Date: 07/19/2011
Sample ID: 220-15975-D-3-B

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.048	-0.048	0.0000	0.0016	0.0004	02:10:02	No

Element: Hg Seq. No.: 38 AS Loc.: 40 Date: 07/19/2011
Sample ID: 220-15975-D-4-B

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.046	-0.046	0.0000	0.0018	0.0004	02:10:56	No

Element: Hg Seq. No.: 39 AS Loc.: 41 Date: 07/19/2011
Sample ID: 220-15975-D-5-B

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	-0.044	-0.044	0.0000	0.0021	0.0004	02:11:51	No

Element: Hg Seq. No.: 40 AS Loc.: 42 Date: 07/19/2011
Sample ID: 220-15975-D-6-A

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.046	-0.046	0.0000	0.0019	0.0004	02:12:46	No

Element: Hg Seq. No.: 41 AS Loc.: 43 Date: 07/19/2011
Sample ID: 220-15975-D-7-A

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.044	-0.044	0.0000	0.0019	0.0004	02:13:41	No

Element: Hg Seq. No.: 42 AS Loc.: 45 Date: 07/19/2011
Sample ID: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.168	5.168	0.0676	0.3222	0.0679	02:15:23	No

Element: Hg Seq. No.: 43 AS Loc.: 46 Date: 07/19/2011
Sample ID: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.045	-0.045	0.0000	0.0018	0.0004	02:16:44	No

TestAmerica

128 Long Hill Cross Roads
Shelton, Connecticut, 06484

METALS QUALITY CONTROL APPROVAL REPORT

Batch Number 53143

	1st Level Review	Comments
Chain of Custody forms have been completed.	JV 7/21/11	
Initial Calibration meets the following criteria*: ( )CLP ( )EPA200.7 ( )NYSDEC (✓)SW846 (✓)Other 245.1	↓	
Continuing calibration meets the following criteria*: ( )CLP ( )EPA200.7 ( )NYSDEC (✓)SW846 (✓)Other 245.1		
Correct analytical sequence followed (CRI, ICSA,etc.) and criteria* met.		
All blank criteria* met. ( )CLP ( )EPA200.7 ( )NYSDEC (✓)SW846 (✓)Other 245.1		
IDLs, Linear Range and IECs current.		
LSC, MS,MD, MSD (if required) meet acceptance limits*: ( )CLP ( )EPA200.7 ( )NYSDEC (✓)SW846 (✓)Other 245.1		
Serial dilution analyzed once per SDG or 20 samples.	NA →	
Post digestion spike performed as required.	NA →	
Flagging correct.	JV 7/21/11	
All raw data submitted as per deliverable requiements.	↓	
Prep batch completed with proper information.		
All deviations, prep and anlaysis methods noted in NCMs.		

* Reference SOPs for appropriate acceptance criteria.

This data meets the requirements of the Metals SOP's, unless otherwise documented in a NCM.

Authorizing Signature (2nd level Review) Date 7/21/11

TestAmerica Form #MEF01105.CT

Sample Information File C:\AAUSER\SAMPINFO\072111.SIF

Description : msnclsol_265, mhclsol_217
Batch ID : 7470A, 245.1
Volume Units : mL
Weight Units :
Analyst : JV
Sample Volume : 0.50

AS Loc	Sample ID	Sample Weight	Sample Units	User Dilution	Remarks
9	ICV				
10	ICB				
11	MB 220-53086/1-A			1.0000	
12	LCS 220-53086/2-A			1.0000	
13	LCSD 220-53086/3-A			1.0000	
14	LB 220-52930/5-D			1.0000	
15	220-16008-E-1-I			1.0000	
16	220-16008-E-1-J MS			1.0000	
17	220-15975-D-8-E			1.0000	
18	220-15975-D-8-F DU			1.0000	
19	220-15975-D-8-G MS			1.0000	
20	220-15975-D-8-H MSD			1.0000	
21	CCV				
22	CCB				
23	220-15975-D-9-B			1.0000	
24	220-15975-D-10-B			1.0000	
25	220-15978-H-1-B			1.0000	
26	220-15978-H-2-B			1.0000	
27	220-15978-H-3-B			1.0000	
28	220-15978-H-4-B			1.0000	
29	220-15978-H-5-B			1.0000	
30	220-15978-H-6-B			1.0000	
31	220-15978-H-7-B			1.0000	
32	220-15978-H-8-B			1.0000	
33	CCV				
34	CCB				
35	220-15978-H-9-B			1.0000	
36	220-15978-H-10-B			1.0000	
37	220-15978-H-11-B			1.0000	
38	220-15978-H-12-B			1.0000	
39	220-16032-D-2-A			1.0000	
40	220-16045-A-3-A			1.0000	
41	220-16023-A-1-D			1.0000	
42	220-15968-A-2-A			1.0000	
43	~~220-15968-A-2-A~~			5x JV 7/21/11	
44	2				
45	CCV				
46	CCB				

Method Name: STLHG1
Method Description: STLHG1
Element: Hg

Date: 07/21/2011
Technique:FI-MHS
Calibration Type:
Hg, Calc. Intercept : Linear
Wavelength: 253.7 nm
Sample Info Name: 072111.SIF Results Data Set Name: CV072111

Element: Hg Seq. No.: 1 AS Loc.: 1 Date: 07/21/2011
Sample ID: Calib Blank

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0003	0.0013	0.0003	02:40:51	No

Auto-zero performed.

Element: Hg Seq. No.: 2 AS Loc.: 2 Date: 07/21/2011
Sample ID: Standard 1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0024	0.0132	0.0027	02:41:47	No

[Hg] Standard number 1 applied. [0.200]
Correlation Coefficient: 1.00000 Slope: 0.01198
Intercept : 0.00000

Element: Hg Seq. No.: 3 AS Loc.: 3 Date: 07/21/2011
Sample ID: Standard 2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0123	0.0618	0.0127	02:42:43	No

[Hg] Standard number 2 applied. [1.000]
Correlation Coefficient: 0.99998 Slope: 0.01235
Intercept : -0.00003

Element: Hg Seq. No.: 4 AS Loc.: 4 Date: 07/21/2011
Sample ID: Standard 3

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0250	0.1246	0.0253	02:44:01	No

[Hg] Standard number 3 applied. [2.000]
Correlation Coefficient: 0.99997 Slope: 0.01252
Intercept : -0.00008

Element: Hg Seq. No.: 5 AS Loc.: 5 Date: 07/21/2011
Sample ID: Standard 4

Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Time	Peak

#	ug/L	ug/L	Signal	Area	Height		Stored
1			0.0613	0.3076	0.0616	02:45:21	No

[Hg] Standard number 4 applied. [5.000]
Correlation Coefficient: 0.99996 Slope: 0.01226
Intercept : 0.00008

Element: Hg Seq. No.: 6 AS Loc.: 6 Date: 07/21/2011
Sample ID: Standard 5

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.1209	0.6033	0.1212	02:46:42	No

[Hg] Standard number 5 applied. [10.00]
Correlation Coefficient: 0.99996 Slope: 0.01209
Intercept : 0.00030

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (ug/L)	Calculated Concentration (ug/L)	Standard Deviation	%RSD
Calib Blank	0.0003	---	----	----	----
Standard 1	0.0024	0.200	0.173	----	----
Standard 2	0.0123	1.000	0.994	----	----
Standard 3	0.0250	2.000	2.044	----	----
Standard 4	0.0613	5.000	5.042	----	----
Standard 5	0.1209	10.000	9.971	----	----
Calib Blank	0.0003	---	----	----	----

Correlation Coefficient: 0.99996 Slope: 0.01209 Intercept: 0.0003

Element: Hg Seq. No.: 7 AS Loc.: 9 Date: 07/21/2011
Sample ID: ICV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.116	5.116	0.0622	0.3092	0.0625	02:48:00	No

Element: Hg Seq. No.: 8 AS Loc.: 10 Date: 07/21/2011
Sample ID: ICB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.022	-0.022	0.0000	0.0017	0.0004	02:49:17	No

Element: Hg Seq. No.: 9 AS Loc.: 11 Date: 07/21/2011
Sample ID: MB 220-53086/1-A

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.019	-0.019	0.0001	0.0021	0.0004	02:50:12	No

Element: Hg Seq. No.: 10 AS Loc.: 12 Date: 07/21/2011
Sample ID: LCS 220-53086/2-A

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.129	5.129	0.0623	0.3119	0.0626	02:51:07	No

Element: Hg Seq. No.: 11 AS Loc.: 13 Date: 07/21/2011
Sample ID: LCSD 220-53086/3-A

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.148	5.148	0.0625	0.3164	0.0629	02:52:26	No

Element: Hg Seq. No.: 12 AS Loc.: 14 Date: 07/21/2011
Sample ID: LB 220-52930/5-D

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.026	-0.026	0.0000	0.0013	0.0003	02:53:46	No

Element: Hg Seq. No.: 13 AS Loc.: 15 Date: 07/21/2011
Sample ID: 220-16008-E-1-I

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.482	1.482	0.0182	0.0910	0.0186	02:54:42	No

Element: Hg Seq. No.: 14 AS Loc.: 16 Date: 07/21/2011
Sample ID: 220-16008-E-1-J MS

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.550	3.550	0.0432	0.2155	0.0436	02:56:05	No

Element: Hg Seq. No.: 15 AS Loc.: 17 Date: 07/21/2011
Sample ID: 220-15975-D-8-E

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.023	-0.023	0.0000	0.0016	0.0004	02:57:24	No

Element: Hg Seq. No.: 16 AS Loc.: 18 Date: 07/21/2011
Sample ID: 220-15975-D-8-F DU

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.021	-0.021	0.0001	0.0016	0.0004	02:58:19	No

Element: Hg Seq. No.: 17 AS Loc.: 19 Date: 07/21/2011
Sample ID: 220-15975-D-8-G MS

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.068	2.068	0.0253	0.1250	0.0256	02:59:14	No

Element: Hg Seq. No.: 18 AS Loc.: 20 Date: 07/21/2011
Sample ID: 220-15975-D-8-H MSD

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.095	2.095	0.0256	0.1297	0.0260	03:00:31	No

Element: Hg Seq. No.: 19 AS Loc.: 21 Date: 07/21/2011
Sample ID: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.205	5.205	0.0632	0.3183	0.0636	03:01:47	No

Element: Hg Seq. No.: 20 AS Loc.: 22 Date: 07/21/2011
Sample ID: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.022	-0.022	0.0000	0.0017	0.0004	03:03:04	No

Element: Hg Seq. No.: 21 AS Loc.: 23 Date: 07/21/2011
Sample ID: 220-15975-D-9-B

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.023	-0.023	0.0000	0.0017	0.0004	03:03:59	No

Element: Hg Seq. No.: 22 AS Loc.: 24 Date: 07/21/2011
Sample ID: 220-15975-D-10-B

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.021	-0.021	0.0000	0.0018	0.0004	03:04:54	No

Element: Hg Seq. No.: 23 AS Loc.: 25 Date: 07/21/2011
Sample ID: 220-15978-H-1-B

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.015	-0.015	0.0001	0.0020	0.0005	03:05:49	No

Element: Hg Seq. No.: 24 AS Loc.: 26 Date: 07/21/2011
Sample ID: 220-15978-H-2-B

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	-0.028	-0.028	0.0000	0.0012	0.0003	03:06:44	No

Element: Hg Seq. No.: 25 AS Loc.: 27 Date: 07/21/2011
Sample ID: 220-15978-H-3-B

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.024	-0.024	0.0000	0.0016	0.0004	03:07:39	No

Element: Hg Seq. No.: 26 AS Loc.: 28 Date: 07/21/2011
Sample ID: 220-15978-H-4-B

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.021	-0.021	0.0000	0.0015	0.0004	03:08:34	No

Element: Hg Seq. No.: 27 AS Loc.: 29 Date: 07/21/2011
Sample ID: 220-15978-H-5-B

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.010	-0.010	0.0002	0.0026	0.0005	03:09:29	No

Element: Hg Seq. No.: 28 AS Loc.: 30 Date: 07/21/2011
Sample ID: 220-15978-H-6-B

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.052	0.052	0.0009	0.0063	0.0013	03:10:23	No

Element: Hg Seq. No.: 29 AS Loc.: 31 Date: 07/21/2011
Sample ID: 220-15978-H-7-B

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.010	-0.010	0.0002	0.0027	0.0005	03:11:18	No

Element: Hg Seq. No.: 30 AS Loc.: 32 Date: 07/21/2011
Sample ID: 220-15978-H-8-B

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.022	-0.022	0.0000	0.0017	0.0004	03:12:16	No

Element: Hg Seq. No.: 31 AS Loc.: 33 Date: 07/21/2011
Sample ID: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.237	5.237	0.0636	0.3191	0.0640	03:13:11	No

Element: Hg Seq. No.: 32 AS Loc.: 34 Date: 07/21/2011

Sample ID: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.021	-0.021	0.0000	0.0017	0.0004	03:14:26	No

Element: Hg Seq. No.: 33 AS Loc.: 35 Date: 07/21/2011
Sample ID: 220-15978-H-9-B

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.002	-0.002	0.0003	0.0031	0.0006	03:15:21	No

Element: Hg Seq. No.: 34 AS Loc.: 36 Date: 07/21/2011
Sample ID: 220-15978-H-10-B

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.010	-0.010	0.0002	0.0026	0.0005	03:16:16	No

Element: Hg Seq. No.: 35 AS Loc.: 37 Date: 07/21/2011
Sample ID: 220-15978-H-11-B

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.022	-0.022	0.0000	0.0018	0.0004	03:17:11	No

Element: Hg Seq. No.: 36 AS Loc.: 38 Date: 07/21/2011
Sample ID: 220-15978-H-12-B

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.008	0.008	0.0004	0.0038	0.0007	03:18:06	No

Element: Hg Seq. No.: 37 AS Loc.: 39 Date: 07/21/2011
Sample ID: 220-16032-D-2-A

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.018	-0.018	0.0001	0.0019	0.0004	03:19:00	No

Element: Hg Seq. No.: 38 AS Loc.: 40 Date: 07/21/2011
Sample ID: 220-16045-A-3-A

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.016	-0.016	0.0001	0.0027	0.0004	03:19:55	No

Element: Hg Seq. No.: 39 AS Loc.: 41 Date: 07/21/2011
Sample ID: 220-16023-A-1-D

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	-0.021	-0.021	0.0001	0.0019	0.0004	03:20:50	No

Element: Hg Seq. No.: 40 AS Loc.: 42 Date: 07/21/2011
Sample ID: 220-15968-A-2-A

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	23.23	23.23	0.2811	1.4131	0.2815	03:21:45	No

Sample absorbance is greater than that of the highest standard.

Element: Hg Seq. No.: 41 AS Loc.: 43 Date: 07/21/2011
Sample ID: ~~1~~ 220-15968-A-2-A DIL: 5x JV 7/21/11

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.018	5.018	0.0610	0.3006	0.0613	03:25:11	No

Element: Hg Seq. No.: 42 AS Loc.: 45 Date: 07/21/2011
Sample ID: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.225	5.225	0.0635	0.2986	0.0638	03:26:52	No

Element: Hg Seq. No.: 43 AS Loc.: 46 Date: 07/21/2011
Sample ID: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.018	-0.018	0.0001	0.0019	0.0004	03:28:13	No

METALS BATCH WORKSHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Batch Number: 52817 Batch Start Date: 07/13/11 13:24 Batch Analyst: Voytek, Joseph F

Batch Method: 3010A Batch End Date: 07/13/11 16:57

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MCAL2 00005	MEMS 00010	MLCS3 00006	AnalysisComment
MB 220-52817/1		3010A, 6010B		100 mL	50 mL				
LCS 220-52817/2		3010A, 6010B		50 mL	50 mL	0.05 mL	0.1 mL	0.05 mL	
220-15975-D-1	FB 0711	3010A, 6010B	T	100 mL	50 mL				TAL
220-15975-D-2	MW-9	3010A, 6010B	T	100 mL	50 mL				TAL
220-15975-D-3	MW-4	3010A, 6010B	T	100 mL	50 mL				TAL
220-15975-D-4	MW-4D	3010A, 6010B	T	100 mL	50 mL				TAL
220-15975-D-5	MW-7	3010A, 6010B	T	100 mL	50 mL				TAL

Batch Notes	
Batch Comment	self witnessed
First End time	1657
Lot # of hydrochloric acid	WHCLACD-19
Lot # of Nitric Acid	MNITRICACD-17
Hot Block ID number	HB3, HB4
Oven, Bath or Block Temperature 1	HB3 @ 90, HB4 @ 94 Degrees C
Oven, Bath or Block Temperature 2	HB3 @ 91, HB4 @ 92 Degrees C
First Start time	1324
ID number of the thermometer	16967
Digestion Tube/Cup Lot #	J117471-263-100
Uncorrected Temperature	HB3 @ 93, HB4 @ 97 Celsius
Uncorrected Temperature 2	HB3 @ 94, HB4 @ 95 Celsius

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Batch Number: 53046 Batch Start Date: 07/19/11 14:45 Batch Analyst: Haas, Melissa

Batch Method: 3010A Batch End Date: 07/19/11 17:39

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MCAL2 00005	MEMS 00010	MLCS3 00006	AnalysisComment
MB 220-53046/1		3010A, 6010B		100 mL	50 mL				
LCS 220-53046/2		3010A, 6010B		50 mL	50 mL	0.05 mL	0.1 mL	0.05 mL	
220-15975-D-6	MW-3	3010A, 6010B	T	100 mL	50 mL				TAL
220-15975-D-7	MW-2	3010A, 6010B	T	100 mL	50 mL				TAL
220-15975-D-8	MW-10	3010A, 6010B	T	100 mL	50 mL				TAL
220-15975-D-8 DU	MW-10	3010A, 6010B	T	100 mL	50 mL				TAL
220-15975-D-8 MS	MW-10	3010A, 6010B	T	100 mL	50 mL	0.02 mL	0.1 mL	0.02 mL	TAL
220-15975-D-8 MSD	MW-10	3010A, 6010B	T	100 mL	50 mL	0.02 mL	0.1 mL	0.02 mL	TAL
220-15975-D-9	MW-1	3010A, 6010B	T	100 mL	50 mL				TAL
220-15975-D-10	MW-6	3010A, 6010B	T	100 mL	50 mL				TAL

Batch Notes	
Batch Comment	self-witnessed
First End time	1739
Lot # of hydrochloric acid	WHCLACD-19
Lot # of Nitric Acid	MNITRICACD-17
Hot Block ID number	HB4
Oven, Bath or Block Temperature 1	90 Degrees C
Oven, Bath or Block Temperature 2	91 Degrees C
Person who witnessed spiking	mh
First Start time	1445
ID number of the thermometer	16967
Digestion Tube/Cup Lot #	J117471-263-100
Uncorrected Temperature	93 Degrees C
Uncorrected Temperature 2	94 Degrees C

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Batch Number: 53012 Batch Start Date: 07/19/11 10:03 Batch Analyst: Voytek, Joseph F

Batch Method: 7470A Batch End Date: 07/19/11 12:57

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	mhgcal 00051	mhgcalver 00052		
MB 220-53012/1		7470A, 7470A		40 mL	40 mL				
LCS 220-53012/2		7470A, 7470A		40 mL	40 mL		0.4 mL		
220-15975-D-1	FB 0711	7470A, 7470A	T	40 mL	40 mL				
220-15975-D-1 DU	FB 0711	7470A, 7470A	T	40 mL	40 mL				
220-15975-D-1 MS	FB 0711	7470A, 7470A	T	40 mL	40 mL	0.16 mL			
220-15975-D-2	MW-9	7470A, 7470A	T	40 mL	40 mL				
220-15975-D-3	MW-4	7470A, 7470A	T	40 mL	40 mL				
220-15975-D-4	MW-4D	7470A, 7470A	T	40 mL	40 mL				
220-15975-D-5	MW-7	7470A, 7470A	T	40 mL	40 mL				
220-15975-D-6	MW-3	7470A, 7470A	T	40 mL	40 mL				
220-15975-D-7	MW-2	7470A, 7470A	T	40 mL	40 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	MNH2OHHCL-00004
Batch Comment	self witnessed
Sulfuric Acid Lot Number	WSULFACD-00012
Lot # of hydrochloric acid	WHCLACD-19
Lot # of Nitric Acid	MNITRICACD-17
Hood ID or number	HOOD1
Hot Block ID number	HB2
Potassium Persulfate Lot Number	MK2S2O8-00002
Potassium Permanganate Lot Number	MKMNO4-00001
NaCL Lot #	MNACL-00005
Oven, Bath or Block Temperature 1	94 Celsius
Oven, Bath or Block Temperature 2	94
Stannous Chloride Lot Number	MSNCL22H2O-00004
ID number of the thermometer	2K0511
Digestion Tube/Cup Lot #	J117402-263
Uncorrected Temperature	92 Celsius

METALS BATCH WORKSHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Batch Number: 53012 Batch Start Date: 07/19/11 10:03 Batch Analyst: Voytek, Joseph F

Batch Method: 7470A Batch End Date: 07/19/11 12:57

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15975-1

SDG No.:

Batch Number: 53086 Batch Start Date: 07/20/11 13:39 Batch Analyst: Voytek, Joseph F

Batch Method: 7470A Batch End Date: 07/20/11 16:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	mhgcal 00051	mhgcalver 00052		
MB 220-53086/1		7470A, 7470A		40 mL	40 mL				
LCS 220-53086/2		7470A, 7470A		40 mL	40 mL		0.4 mL		
220-15975-D-8	MW-10	7470A, 7470A	T	40 mL	40 mL				
220-15975-D-8 DU	MW-10	7470A, 7470A	T	40 mL	40 mL				
220-15975-D-8 MS	MW-10	7470A, 7470A	T	40 mL	40 mL	0.16 mL			
220-15975-D-8 MSD	MW-10	7470A, 7470A	T	40 mL	40 mL	0.16 mL			
220-15975-D-9	MW-1	7470A, 7470A	T	40 mL	40 mL				
220-15975-D-10	MW-6	7470A, 7470A	T	40 mL	40 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	MNH2OHHCL-00004
Batch Comment	self witnessed
Sulfuric Acid Lot Number	WSULFACD-00012
Lot # of hydrochloric acid	WHCLACD-19
Lot # of Nitric Acid	MNITRICACD-17
Hood ID or number	HOOD1
Hot Block ID number	HB1
Potassium Persulfate Lot Number	MK2S2O8-00002
Potassium Permanganate Lot Number	MKMNO4-00001
NaCL Lot #	MNACL-00005
Oven, Bath or Block Temperature 1	95 Celsius
Oven, Bath or Block Temperature 2	94
Stannous Chloride Lot Number	MSNCL22H2O-00004
ID number of the thermometer	2K0511
Digestion Tube/Cup Lot #	J117402-263
Uncorrected Temperature	93 Celsius

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

TestAmerica Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Phone (203) 929-8140 Fax (203) 929-8142

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact: FPM John Bukoski	**Field Sampler:** John Bukoski	**TAT Required (business days):** Standard	**Lab PM/Contact:** J. Trudell
Company: FPM	**Mobile/Field Number:** 516-381-3535		**Lab Job Number (Lab Use Only):** 15975
Address: 909 Marconi Ave	**E-Mail:**	**Deliverable Type (Report/EDD):** EDD	**Passed Rad Screen (Lab Use Only):** [X] Yes [ ] No
City, State, Zip: Ronkonkoma NY 11779	**PO #:** 944-10-04	**Sample Disposal:** [ ] Return to Client [X] Disposal by Lab [ ] Archive for __ Months (A fee may be assessed if samples are retained for longer than 1 month)	**Cooler Temperatures (Lab Use Only):** 1) @4.2 2) @4.2 IR-3
Phone: 631-737-6200	**WO #:**		
Email: j.bukoski@fpmgroup.com	**Project #:** 944-10-04	**State Regulatory QC Criteria Requirements:**	
Project Name/Site Location (State): IW Industries (NY)	**SSOW#:**		

Samples submitted for analysis is will be subject to TestAmerica Terms and Conditions

						No. of Containers/Preservatives							Analysis (Attach list if more space is needed)								
Page 979 of 984	Field Sample Identification (Containers for each sample may be combined on one line)	Collection Date	Collection Time (24-Hour Clock)	Matrix Aq=Aqueous, S=Solid, W=Waste/Oil, O=Other	MS/ MSD (Yes or No)	Unpreserved	H2SO4	HNO3	HCL	NaOH	ZnAc/NaOH	Other	TCL VOCs	TCL SVOCs	TAL metals						Comments
1	FB 0711	7/11/11	0950			1		1	3				X	X	X						
2	MW-9		1010			1		1	3				X	X	X						
3	MW-4		1055			1		1	3				X	X	X						
4	MW-4D		1100			1		1	3				X	X	X						
5	MW-7		1230			1		1	3				X	X	X						
6	MW-3		1255			1		1	3				X	X	X						
7	MW-2		1400			1		1	3				X	X	X						
8	MW-10		1500		Yes	3		3	9				X	X	X						
9	MW-1		1540			1		1	3				X	X	X						
10	MW-6		1600			1		1	3				X	X	X						

Relinquished by: John S Bukoski	Date/Time: 7/12/11 0926	Company: FPM	Received by:	Date/Time: 7/12/11 @ 930	Company: TA/CT
Relinquished by:	Date/Time: 7/12/11 @ 1745	Company: TA/CT	Received by:	Date/Time: 7/12/11 1935	Company:
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Comments:

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

Field Sampling / Shipping Instructions and Laboratory Sample Receipt Policy included on Reverse Side of COC

TAL-0015 (0609)

07/27/2011

TestAmerica Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Phone (203) 929-8140 Fax (203) 929-8142

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact: John Bukoski	**Field Sampler:** J. Bukoski	**TAT Required (business days):** Standard	**Lab PM/Contact:** J. Trudell
Company: FPM	**Mobile/Field Number:** 516-381-3535		**Lab Job Number (Lab Use Only):** 15975
Address: 909 Marconi Ave	**E-Mail:**	**Deliverable Type (Report/EDD):** EDD	**Passed Rad Screen (Lab Use Only):** [X] Yes [ ] No
City, State, Zip: Ronkonkoma NY	**PO #:** 944-10-04	**Sample Disposal:** [ ] Return to Client [X] Disposal by Lab [ ] Archive for __ Months (A fee may be assessed if samples are retained for longer than 1 month)	**Cooler Temperatures (Lab Use Only):** 1) @4.2 IR#3 2) @4.2 @ 7/12/11
Phone: 631-737-6200	**WO #:**		
Email: j.bukoski@fpm-group.com	**Project #:** 944-10-04		
Project Name/Site Location (State): IW Industries (NY)	**SSOW#:**	**State Regulatory QC Criteria Requirements:** NY ASP CAT B	

COC Number: 17737
Page 2 of 2
Carrier Tracking Notes:

Samples submitted for analysis will be subject to TestAmerica terms and Conditions

Total #	Field Sample Identification (Containers for each sample may be combined on one line)	Collection Date	Collection Time (24-Hour Clock)	Matrix Aq=Aqueous, S=Solid, W=Waste/Oil, O=Other	MS/ MSD (Yes or No)	No. of Containers/Preservatives: Unpreserved	H2SO4	HNO3	HCL	NaOH	ZnAc/NaOH	Other	Analysis (Attach list if more space is needed): TCL VOCs	Comments
1	TRIP BLANK	7/11/11		AQ	No				3				X	

Relinquished by:	Date/Time: 7/12/11 0926	Company FPM	Received by:	Date/Time: 7/12/11 @ 930	Company TA/CT
Relinquished by:	Date/Time: 7/12/11 @ 1745	Company TA/CT	Received by:	Date/Time: 7/12/11 1935	Company TACT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Comments:

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

Field Sampling / Shipping Instructions and Laboratory Sample Receipt Policy included on Reverse Side of COC

TAL-0015 (0609)

Login Sample Receipt Checklist

Client: FPM Group Limited

Job Number: 220-15975-1
SDG Number:

Login Number: 15975
List Number: 1
Creator: Culik, Marie E

List Source: TestAmerica Connecticut

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.2C/4.2C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	False	SEE NARRATIVE
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	False	SEE NARRATIVE
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 460-50248-1

Job Description: IW Industries

For:
FPM Group Limited
909 Marconi Avenue
Ronkonkoma, NY 11779

Attention: Mr. John Bukoski

Approved for release.
Jennifer Capece
Project Mgmt. Assistant
2/14/2013 10:03 AM

Designee for
Melissa Haas
Project Manager I
melissa.haas@testamericainc.com
02/14/2013

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

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

TestAmerica Laboratories, Inc.
TestAmerica Edison 777 New Durham Road, Edison, NJ 08817
Tel (732) 549-3900 Fax (732) 549-3679 www.testamericainc.com

Job Number: 460-50248-1

Job Description: IW Industries

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

Approved for release.
Jennifer Capece
Project Mgmt. Assistant
2/14/2013 10:03 AM

Designee for
Melissa Haas

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CASE NARRATIVE

Client: FPM Group Limited

Project: IW Industries

Report Number: 460-50248-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 02/01/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.1 C.

Except:

Trip blank dated 11/19/12 received out of hold. The client was contacted and instructed the lab to proceed with the analysis.

MW-7 - Amber 1 Liter not received for SVOC, test on hold.

February 5, 2013 - MW-7 missing 1 liter amber has been received, and test is active again.

Received missing SVOC sample for sample 460-50248-6 by FedEx 2/7/2013.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TOTAL METALS
Samples 460-50248-1 through 460-50248-6 were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared on 02/03/2013 and analyzed on 02/04/2013.

Iron failed the recovery criteria high for the MS of sample 460-50248-2 in batch 460-146614.

Refer to the QC report for details.

No difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY
Samples 460-50248-1 through 460-50248-6 were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 02/04/2013.

No difficulties were encountered during the Hg analyses.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples 460-50248-1 through 460-50248-7 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 02/06/2013.

The matrix spike duplicate (MSD) recoveries of sample 460-50248-2 in batch 146197, was outside control limits for

cis-1,3-Dichloropropene. The associated laboratory control sample (LCS) recovery met acceptance criteria.

The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No difficulties were encountered during the volatiles analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 460-50248-1 through 460-50248-6 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 02/05/2013 and 02/07/2013 and analyzed on 02/08/2013 and 02/10/2013.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 146006 were outside control limits for Bis(2-chloroisopropyl)ether, Bezaldehyde and/or 3,3'-Dichlorobenzidine. The associated laboratory control sample (LCS) recovery met acceptance criteria.

The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 146006 was outside control limits for 4-Nitrophenol.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 146378 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

2,2'-oxybis[1-chloropropane] and Benzaldehyde failed the recovery criteria high for the MS of sample 460-50248-2 in batch 460-146614.

For the MSD of sample 460-50248-2 in batch 460-146806, 3,3'-Dichlorobenzidine failed the recovery criteria low. 2,2'-oxybis[1-chloropropane] and Benzaldehyde failed the recovery criteria high. Also, 4-Nitrophenol exceeded the rpd limit.

The laboratory control sample (LCS) for batch 146378 exceeded control limits for the following analytes: 2-Nitroaniline and 1,2,4,5-Tetrachlorobenzene.

The laboratory control sample (LCS) for batch 146006 exceeded control limits for the following analytes: Benzaldehyde.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: FPM Group Limited

Job Number: 460-50248-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-50248-1	MW-7F	Water	01/31/2013 1230	02/01/2013 1445
460-50248-2	MW-1	Water	01/31/2013 1000	02/01/2013 1445
460-50248-2MS	MW-1	Water	01/31/2013 1000	02/01/2013 1445
460-50248-2MSD	MW-1	Water	01/31/2013 1000	02/01/2013 1445
460-50248-2DU	MW-1	Water	01/31/2013 1000	02/01/2013 1445
460-50248-3	MW-3	Water	01/31/2013 0945	02/01/2013 1445
460-50248-4	MW-2	Water	01/31/2013 1100	02/01/2013 1445
460-50248-5	MW-2D	Water	01/31/2013 1115	02/01/2013 1445
460-50248-6	MW-7	Water	01/31/2013 1200	02/01/2013 1445
460-50248-7	TRIP BLANK	Water	11/19/2012 0000	02/01/2013 1445

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-50248-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-50248-1	**MW-7F**					
Methylene Chloride		0.69	J	1.0	ug/L	8260B
Acetone		14		5.0	ug/L	8260B
2-Butanone		19		5.0	ug/L	8260B
m&p-Xylene		0.62	J	2.0	ug/L	8260B
o-Xylene		0.31	J	1.0	ug/L	8260B
Ethylbenzene		0.17	J	1.0	ug/L	8260B
2-Hexanone		2.8	J	5.0	ug/L	8260B
Toluene		0.43	J	1.0	ug/L	8260B
Arsenic		3.7	J	5.0	ug/L	6010B
460-50248-2	**MW-1**					
cis-1,2-Dichloroethene		0.64	J	1.0	ug/L	8260B
m&p-Xylene		0.29	J	2.0	ug/L	8260B
o-Xylene		0.16	J	1.0	ug/L	8260B
Ethylbenzene		0.35	J	1.0	ug/L	8260B
Chlorobenzene		14		1.0	ug/L	8260B
Isopropylbenzene		0.16	J	1.0	ug/L	8260B
Trichloroethene		0.34	J	1.0	ug/L	8260B
Toluene		0.19	J	1.0	ug/L	8260B
1,2-Dichlorobenzene		4.9		1.0	ug/L	8260B
1,3-Dichlorobenzene		1.0		1.0	ug/L	8260B
1,4-Dichlorobenzene		9.5		1.0	ug/L	8260B
Benzo[k]fluoranthene		0.64	J	1.0	ug/L	8270C
Benzo[g,h,i]perylene		2.2	J	10	ug/L	8270C
Benzo[b]fluoranthene		0.74	J	1.0	ug/L	8270C
Benzo[a]pyrene		0.88	J	1.0	ug/L	8270C
Indeno[1,2,3-cd]pyrene		1.4		1.0	ug/L	8270C
Dibenz(a,h)anthracene		1.6		1.0	ug/L	8270C
Arsenic		4.8	J	5.0	ug/L	6010B
Barium		30.6	J	200	ug/L	6010B
Calcium		9770		5000	ug/L	6010B
Iron		27100		150	ug/L	6010B
Magnesium		2420	J	5000	ug/L	6010B
Manganese		390		15.0	ug/L	6010B
Potassium		2130	J	5000	ug/L	6010B
Sodium		21500		5000	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-50248-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-50248-3	**MW-3**					
Chlorobenzene		2.0		1.0	ug/L	8260B
1,2-Dichlorobenzene		1.8		1.0	ug/L	8260B
1,4-Dichlorobenzene		1.3		1.0	ug/L	8260B
Tetrachloroethene		0.39	J	1.0	ug/L	8260B
Aluminum		619		200	ug/L	6010B
Arsenic		9.1		5.0	ug/L	6010B
Barium		51.3	J	200	ug/L	6010B
Calcium		13000		5000	ug/L	6010B
Copper		12.2	J	25.0	ug/L	6010B
Iron		14600		150	ug/L	6010B
Lead		10.8		5.0	ug/L	6010B
Magnesium		3540	J	5000	ug/L	6010B
Manganese		194		15.0	ug/L	6010B
Potassium		2910	J	5000	ug/L	6010B
Sodium		17400		5000	ug/L	6010B
Zinc		11.1	J	30.0	ug/L	6010B
460-50248-4	**MW-2**					
cis-1,2-Dichloroethene		0.61	J	1.0	ug/L	8260B
Ethylbenzene		0.17	J	1.0	ug/L	8260B
Chlorobenzene		15		1.0	ug/L	8260B
Trichloroethene		0.18	J	1.0	ug/L	8260B
1,2-Dichlorobenzene		1.9		1.0	ug/L	8260B
1,3-Dichlorobenzene		0.28	J	1.0	ug/L	8260B
1,4-Dichlorobenzene		3.0		1.0	ug/L	8260B
Tetrachloroethene		0.25	J	1.0	ug/L	8260B
Aluminum		3620		200	ug/L	6010B
Arsenic		14.2		5.0	ug/L	6010B
Barium		76.4	J	200	ug/L	6010B
Calcium		17400		5000	ug/L	6010B
Chromium		9.3	J	10.0	ug/L	6010B
Copper		41.9		25.0	ug/L	6010B
Iron		36100		150	ug/L	6010B
Lead		27.0		5.0	ug/L	6010B
Magnesium		2930	J	5000	ug/L	6010B
Manganese		384		15.0	ug/L	6010B
Nickel		5.1	J	40.0	ug/L	6010B
Potassium		3640	J	5000	ug/L	6010B
Sodium		22700		5000	ug/L	6010B
Vanadium		14.6	J	50.0	ug/L	6010B
Zinc		45.9		30.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-50248-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-50248-5	**MW-2D**					
cis-1,2-Dichloroethene		0.82	J	1.0	ug/L	8260B
Ethylbenzene		0.17	J	1.0	ug/L	8260B
Chlorobenzene		17		1.0	ug/L	8260B
Trichloroethene		0.23	J	1.0	ug/L	8260B
1,2-Dichlorobenzene		1.7		1.0	ug/L	8260B
1,3-Dichlorobenzene		0.29	J	1.0	ug/L	8260B
1,4-Dichlorobenzene		3.2		1.0	ug/L	8260B
Tetrachloroethene		0.23	J	1.0	ug/L	8260B
Aluminum		3260		200	ug/L	6010B
Arsenic		11.0		5.0	ug/L	6010B
Barium		70.5	J	200	ug/L	6010B
Calcium		18200		5000	ug/L	6010B
Chromium		8.0	J	10.0	ug/L	6010B
Copper		36.5		25.0	ug/L	6010B
Iron		35100		150	ug/L	6010B
Lead		26.4		5.0	ug/L	6010B
Magnesium		3080	J	5000	ug/L	6010B
Manganese		384		15.0	ug/L	6010B
Potassium		3790	J	5000	ug/L	6010B
Sodium		22600		5000	ug/L	6010B
Vanadium		13.8	J	50.0	ug/L	6010B
Zinc		40.4		30.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: FPM Group Limited

Job Number: 460-50248-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-50248-6	**MW-7**					
cis-1,2-Dichloroethene		1.3		1.0	ug/L	8260B
Chlorobenzene		2.6		1.0	ug/L	8260B
Trichloroethene		0.17	J	1.0	ug/L	8260B
1,2-Dichlorobenzene		0.65	J	1.0	ug/L	8260B
1,3-Dichlorobenzene		1.3		1.0	ug/L	8260B
1,4-Dichlorobenzene		6.2		1.0	ug/L	8260B
Tetrachloroethene		0.99	J	1.0	ug/L	8260B
Benzo[b]fluoranthene		0.59	J	1.0	ug/L	8270C
Benzo[a]pyrene		0.41	J	1.0	ug/L	8270C
Indeno[1,2,3-cd]pyrene		0.47	J	1.0	ug/L	8270C
Dibenz(a,h)anthracene		0.28	J	1.0	ug/L	8270C
Aluminum		577		200	ug/L	6010B
Arsenic		5.6		5.0	ug/L	6010B
Barium		98.2	J	200	ug/L	6010B
Calcium		56500		5000	ug/L	6010B
Copper		82.4		25.0	ug/L	6010B
Iron		6430		150	ug/L	6010B
Lead		14.9		5.0	ug/L	6010B
Magnesium		4860	J	5000	ug/L	6010B
Manganese		101		15.0	ug/L	6010B
Potassium		6690		5000	ug/L	6010B
Sodium		54200		5000	ug/L	6010B
Zinc		78.7		30.0	ug/L	6010B

METHOD SUMMARY

Client: FPM Group Limited

Job Number: 460-50248-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL EDI	SW846 8260B	
Purge and Trap	TAL EDI		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL EDI	SW846 8270C	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		SW846 3510C
Metals (ICP)	TAL EDI	SW846 6010B	
Preparation, Total Metals	TAL EDI		SW846 3010A
Mercury (CVAA)	TAL EDI	SW846 7470A	
Preparation, Mercury	TAL EDI		SW846 7470A

Lab References:

TAL EDI = TestAmerica Edison

Method References:

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

METHOD / ANALYST SUMMARY

Client: FPM Group Limited

Job Number: 460-50248-1

Method	Analyst	Analyst ID
SW846 8260B	Boykin, Kenneth	KB
SW846 8270C	Asfaw, Abebaye A.	AAA
SW846 8270C	Rana, Vidhi	VR
SW846 6010B	Chang, Churn Der	CDC
SW846 7470A	Patel, Purva H	PHP

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-7F**

Lab Sample ID: 460-50248-1
Client Matrix: Water

Date Sampled: 01/31/2013 1230
Date Received: 02/01/2013 1445

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	k09236.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1234			Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1234				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.10	1.0
Bromomethane	1.0	U	0.18	1.0
Vinyl chloride	1.0	U	0.14	1.0
Chloroethane	1.0	U	0.17	1.0
Methylene Chloride	0.69	J	0.18	1.0
Acetone	14		2.7	5.0
Carbon disulfide	1.0	U	0.13	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
Chloroform	1.0	U	0.080	1.0
2-Butanone	19		2.3	5.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Benzene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.19	1.0
Styrene	1.0	U	0.12	1.0
m&p-Xylene	0.62	J	0.25	2.0
o-Xylene	0.31	J	0.13	1.0
Ethylbenzene	0.17	J	0.10	1.0
Chlorobenzene	1.0	U	0.11	1.0
Cyclohexane	1.0	U	0.16	1.0
Isopropylbenzene	1.0	U	0.080	1.0
2-Hexanone	2.8	J	0.50	5.0
MTBE	1.0	U	0.14	1.0
Freon TF	1.0	U	0.080	1.0
Methyl acetate	2.0	U	0.34	2.0
1,4-Dioxane	50	U	36	50
Trichloroethene	1.0	U	0.090	1.0
Toluene	0.43	J	0.15	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
4-Methyl-2-pentanone	5.0	U	0.99	5.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
Methylcyclohexane	1.0	U	0.14	1.0
Tetrachloroethene	1.0	U	0.10	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-7F**

Lab Sample ID: 460-50248-1
Client Matrix: Water

Date Sampled: 01/31/2013 1230
Date Received: 02/01/2013 1445

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	k09236.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1234			Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1234				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,2-Trichloroethane	1.0	U	0.19	1.0
Dibromochloromethane	1.0	U	0.20	1.0
1,2-Dibromoethane	1.0	U	0.28	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Bromochloromethane	1.0	U	0.27	1.0
Bromodichloromethane	1.0	U	0.12	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85		70 - 130
Toluene-d8 (Surr)	86		70 - 130
Bromofluorobenzene	95		70 - 130

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-1**

Lab Sample ID: 460-50248-2
Client Matrix: Water

Date Sampled: 01/31/2013 1000
Date Received: 02/01/2013 1445

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	k09237.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1258			Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1258				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.10	1.0
Bromomethane	1.0	U	0.18	1.0
Vinyl chloride	1.0	U	0.14	1.0
Chloroethane	1.0	U	0.17	1.0
Methylene Chloride	1.0	U	0.18	1.0
Acetone	5.0	U	2.7	5.0
Carbon disulfide	1.0	U	0.13	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
cis-1,2-Dichloroethene	0.64	J	0.18	1.0
Chloroform	1.0	U	0.080	1.0
2-Butanone	5.0	U	2.3	5.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Benzene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.19	1.0
Styrene	1.0	U	0.12	1.0
m&p-Xylene	0.29	J	0.25	2.0
o-Xylene	0.16	J	0.13	1.0
Ethylbenzene	0.35	J	0.10	1.0
Chlorobenzene	14		0.11	1.0
Cyclohexane	1.0	U	0.16	1.0
Isopropylbenzene	0.16	J	0.080	1.0
2-Hexanone	5.0	U	0.50	5.0
MTBE	1.0	U	0.14	1.0
Freon TF	1.0	U	0.080	1.0
Methyl acetate	2.0	U	0.34	2.0
1,4-Dioxane	50	U	36	50
Trichloroethene	0.34	J	0.090	1.0
Toluene	0.19	J	0.15	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
4-Methyl-2-pentanone	5.0	U	0.99	5.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
1,2-Dichlorobenzene	4.9		0.21	1.0
1,3-Dichlorobenzene	1.0		0.14	1.0
1,4-Dichlorobenzene	9.5		0.23	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
Methylcyclohexane	1.0	U	0.14	1.0
Tetrachloroethene	1.0	U	0.10	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-1**

Lab Sample ID: 460-50248-2
Client Matrix: Water

Date Sampled: 01/31/2013 1000
Date Received: 02/01/2013 1445

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	k09237.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1258			Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1258				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,2-Trichloroethane	1.0	U	0.19	1.0
Dibromochloromethane	1.0	U	0.20	1.0
1,2-Dibromoethane	1.0	U	0.28	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Bromochloromethane	1.0	U	0.27	1.0
Bromodichloromethane	1.0	U	0.12	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85		70 - 130
Toluene-d8 (Surr)	87		70 - 130
Bromofluorobenzene	95		70 - 130

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-3**

Lab Sample ID: 460-50248-3
Client Matrix: Water

Date Sampled: 01/31/2013 0945
Date Received: 02/01/2013 1445

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	k09238.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1322			Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1322				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.10	1.0
Bromomethane	1.0	U	0.18	1.0
Vinyl chloride	1.0	U	0.14	1.0
Chloroethane	1.0	U	0.17	1.0
Methylene Chloride	1.0	U	0.18	1.0
Acetone	5.0	U	2.7	5.0
Carbon disulfide	1.0	U	0.13	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
Chloroform	1.0	U	0.080	1.0
2-Butanone	5.0	U	2.3	5.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Benzene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.19	1.0
Styrene	1.0	U	0.12	1.0
m&p-Xylene	2.0	U	0.25	2.0
o-Xylene	1.0	U	0.13	1.0
Ethylbenzene	1.0	U	0.10	1.0
Chlorobenzene	2.0		0.11	1.0
Cyclohexane	1.0	U	0.16	1.0
Isopropylbenzene	1.0	U	0.080	1.0
2-Hexanone	5.0	U	0.50	5.0
MTBE	1.0	U	0.14	1.0
Freon TF	1.0	U	0.080	1.0
Methyl acetate	2.0	U	0.34	2.0
1,4-Dioxane	50	U	36	50
Trichloroethene	1.0	U	0.090	1.0
Toluene	1.0	U	0.15	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
4-Methyl-2-pentanone	5.0	U	0.99	5.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
1,2-Dichlorobenzene	1.8		0.21	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
1,4-Dichlorobenzene	1.3		0.23	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
Methylcyclohexane	1.0	U	0.14	1.0
Tetrachloroethene	0.39	J	0.10	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-3**

Lab Sample ID: 460-50248-3
Client Matrix: Water

Date Sampled: 01/31/2013 0945
Date Received: 02/01/2013 1445

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	k09238.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1322			Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1322				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,2-Trichloroethane	1.0	U	0.19	1.0
Dibromochloromethane	1.0	U	0.20	1.0
1,2-Dibromoethane	1.0	U	0.28	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Bromochloromethane	1.0	U	0.27	1.0
Bromodichloromethane	1.0	U	0.12	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85		70 - 130
Toluene-d8 (Surr)	86		70 - 130
Bromofluorobenzene	96		70 - 130

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-2**

Lab Sample ID: 460-50248-4
Client Matrix: Water

Date Sampled: 01/31/2013 1100
Date Received: 02/01/2013 1445

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	k09239.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1345			Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1345				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.10	1.0
Bromomethane	1.0	U	0.18	1.0
Vinyl chloride	1.0	U	0.14	1.0
Chloroethane	1.0	U	0.17	1.0
Methylene Chloride	1.0	U	0.18	1.0
Acetone	5.0	U	2.7	5.0
Carbon disulfide	1.0	U	0.13	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
cis-1,2-Dichloroethene	0.61	J	0.18	1.0
Chloroform	1.0	U	0.080	1.0
2-Butanone	5.0	U	2.3	5.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Benzene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.19	1.0
Styrene	1.0	U	0.12	1.0
m&p-Xylene	2.0	U	0.25	2.0
o-Xylene	1.0	U	0.13	1.0
Ethylbenzene	0.17	J	0.10	1.0
Chlorobenzene	15		0.11	1.0
Cyclohexane	1.0	U	0.16	1.0
Isopropylbenzene	1.0	U	0.080	1.0
2-Hexanone	5.0	U	0.50	5.0
MTBE	1.0	U	0.14	1.0
Freon TF	1.0	U	0.080	1.0
Methyl acetate	2.0	U	0.34	2.0
1,4-Dioxane	50	U	36	50
Trichloroethene	0.18	J	0.090	1.0
Toluene	1.0	U	0.15	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
4-Methyl-2-pentanone	5.0	U	0.99	5.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
1,2-Dichlorobenzene	1.9		0.21	1.0
1,3-Dichlorobenzene	0.28	J	0.14	1.0
1,4-Dichlorobenzene	3.0		0.23	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
Methylcyclohexane	1.0	U	0.14	1.0
Tetrachloroethene	0.25	J	0.10	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-2**

Lab Sample ID: 460-50248-4
Client Matrix: Water

Date Sampled: 01/31/2013 1100
Date Received: 02/01/2013 1445

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	k09239.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1345			Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1345				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,2-Trichloroethane	1.0	U	0.19	1.0
Dibromochloromethane	1.0	U	0.20	1.0
1,2-Dibromoethane	1.0	U	0.28	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Bromochloromethane	1.0	U	0.27	1.0
Bromodichloromethane	1.0	U	0.12	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		70 - 130
Toluene-d8 (Surr)	90		70 - 130
Bromofluorobenzene	99		70 - 130

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-2D**

Lab Sample ID: 460-50248-5
Client Matrix: Water

Date Sampled: 01/31/2013 1115
Date Received: 02/01/2013 1445

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	k09240.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1409			Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1409				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.10	1.0
Bromomethane	1.0	U	0.18	1.0
Vinyl chloride	1.0	U	0.14	1.0
Chloroethane	1.0	U	0.17	1.0
Methylene Chloride	1.0	U	0.18	1.0
Acetone	5.0	U	2.7	5.0
Carbon disulfide	1.0	U	0.13	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
cis-1,2-Dichloroethene	0.82	J	0.18	1.0
Chloroform	1.0	U	0.080	1.0
2-Butanone	5.0	U	2.3	5.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Benzene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.19	1.0
Styrene	1.0	U	0.12	1.0
m&p-Xylene	2.0	U	0.25	2.0
o-Xylene	1.0	U	0.13	1.0
Ethylbenzene	0.17	J	0.10	1.0
Chlorobenzene	17		0.11	1.0
Cyclohexane	1.0	U	0.16	1.0
Isopropylbenzene	1.0	U	0.080	1.0
2-Hexanone	5.0	U	0.50	5.0
MTBE	1.0	U	0.14	1.0
Freon TF	1.0	U	0.080	1.0
Methyl acetate	2.0	U	0.34	2.0
1,4-Dioxane	50	U	36	50
Trichloroethene	0.23	J	0.090	1.0
Toluene	1.0	U	0.15	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
4-Methyl-2-pentanone	5.0	U	0.99	5.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
1,2-Dichlorobenzene	1.7		0.21	1.0
1,3-Dichlorobenzene	0.29	J	0.14	1.0
1,4-Dichlorobenzene	3.2		0.23	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
Methylcyclohexane	1.0	U	0.14	1.0
Tetrachloroethene	0.23	J	0.10	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-2D**

Lab Sample ID: 460-50248-5
Client Matrix: Water

Date Sampled: 01/31/2013 1115
Date Received: 02/01/2013 1445

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	k09240.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1409			Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1409				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,2-Trichloroethane	1.0	U	0.19	1.0
Dibromochloromethane	1.0	U	0.20	1.0
1,2-Dibromoethane	1.0	U	0.28	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Bromochloromethane	1.0	U	0.27	1.0
Bromodichloromethane	1.0	U	0.12	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85		70 - 130
Toluene-d8 (Surr)	86		70 - 130
Bromofluorobenzene	95		70 - 130

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-7**

Lab Sample ID: 460-50248-6
Client Matrix: Water

Date Sampled: 01/31/2013 1200
Date Received: 02/01/2013 1445

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	k09241.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1432			Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1432				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.10	1.0
Bromomethane	1.0	U	0.18	1.0
Vinyl chloride	1.0	U	0.14	1.0
Chloroethane	1.0	U	0.17	1.0
Methylene Chloride	1.0	U	0.18	1.0
Acetone	5.0	U	2.7	5.0
Carbon disulfide	1.0	U	0.13	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
cis-1,2-Dichloroethene	1.3		0.18	1.0
Chloroform	1.0	U	0.080	1.0
2-Butanone	5.0	U	2.3	5.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Benzene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.19	1.0
Styrene	1.0	U	0.12	1.0
m&p-Xylene	2.0	U	0.25	2.0
o-Xylene	1.0	U	0.13	1.0
Ethylbenzene	1.0	U	0.10	1.0
Chlorobenzene	2.6		0.11	1.0
Cyclohexane	1.0	U	0.16	1.0
Isopropylbenzene	1.0	U	0.080	1.0
2-Hexanone	5.0	U	0.50	5.0
MTBE	1.0	U	0.14	1.0
Freon TF	1.0	U	0.080	1.0
Methyl acetate	2.0	U	0.34	2.0
1,4-Dioxane	50	U	36	50
Trichloroethene	0.17	J	0.090	1.0
Toluene	1.0	U	0.15	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
4-Methyl-2-pentanone	5.0	U	0.99	5.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
1,2-Dichlorobenzene	0.65	J	0.21	1.0
1,3-Dichlorobenzene	1.3		0.14	1.0
1,4-Dichlorobenzene	6.2		0.23	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
Methylcyclohexane	1.0	U	0.14	1.0
Tetrachloroethene	0.99	J	0.10	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-7**

Lab Sample ID: 460-50248-6
Client Matrix: Water

Date Sampled: 01/31/2013 1200
Date Received: 02/01/2013 1445

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	k09241.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1432			Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1432				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,2-Trichloroethane	1.0	U	0.19	1.0
Dibromochloromethane	1.0	U	0.20	1.0
1,2-Dibromoethane	1.0	U	0.28	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Bromochloromethane	1.0	U	0.27	1.0
Bromodichloromethane	1.0	U	0.12	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85		70 - 130
Toluene-d8 (Surr)	86		70 - 130
Bromofluorobenzene	95		70 - 130

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 460-50248-7
Client Matrix: Water

Date Sampled: 11/19/2012 0000
Date Received: 02/01/2013 1445

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	k09235.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1210			Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1210				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U H	0.10	1.0
Bromomethane	1.0	U H	0.18	1.0
Vinyl chloride	1.0	U H	0.14	1.0
Chloroethane	1.0	U H	0.17	1.0
Methylene Chloride	1.0	U H	0.18	1.0
Acetone	5.0	U H	2.7	5.0
Carbon disulfide	1.0	U H	0.13	1.0
Trichlorofluoromethane	1.0	U H	0.15	1.0
1,1-Dichloroethene	1.0	U H	0.090	1.0
1,1-Dichloroethane	1.0	U H	0.13	1.0
trans-1,2-Dichloroethene	1.0	U H	0.13	1.0
cis-1,2-Dichloroethene	1.0	U H	0.18	1.0
Chloroform	1.0	U H	0.080	1.0
2-Butanone	5.0	U H	2.3	5.0
1,2-Dichloroethane	1.0	U H	0.19	1.0
1,1,1-Trichloroethane	1.0	U H	0.060	1.0
Carbon tetrachloride	1.0	U H	0.060	1.0
Benzene	1.0	U H	0.080	1.0
Bromoform	1.0	U H	0.19	1.0
Styrene	1.0	U H	0.12	1.0
m&p-Xylene	2.0	U H	0.25	2.0
o-Xylene	1.0	U H	0.13	1.0
Ethylbenzene	1.0	U H	0.10	1.0
Chlorobenzene	1.0	U H	0.11	1.0
Cyclohexane	1.0	U H	0.16	1.0
Isopropylbenzene	1.0	U H	0.080	1.0
2-Hexanone	5.0	U H	0.50	5.0
MTBE	1.0	U H	0.14	1.0
Freon TF	1.0	U H	0.080	1.0
Methyl acetate	2.0	U H	0.34	2.0
1,4-Dioxane	50	U H	36	50
Trichloroethene	1.0	U H	0.090	1.0
Toluene	1.0	U H	0.15	1.0
trans-1,3-Dichloropropene	1.0	U H	0.24	1.0
4-Methyl-2-pentanone	5.0	U H	0.99	5.0
cis-1,3-Dichloropropene	1.0	U H	0.18	1.0
1,2-Dichlorobenzene	1.0	U H	0.21	1.0
1,3-Dichlorobenzene	1.0	U H	0.14	1.0
1,4-Dichlorobenzene	1.0	U H	0.23	1.0
1,2,4-Trichlorobenzene	1.0	U H	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U H	0.51	1.0
1,2-Dichloropropane	1.0	U H	0.090	1.0
Methylcyclohexane	1.0	U H	0.14	1.0
Tetrachloroethene	1.0	U H	0.10	1.0
1,2-Dibromo-3-Chloropropane	1.0	U H	0.40	1.0
1,1,2,2-Tetrachloroethane	1.0	U H	0.16	1.0

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 460-50248-7
Client Matrix: Water

Date Sampled: 11/19/2012 0000
Date Received: 02/01/2013 1445

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	k09235.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1210			Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1210				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,2-Trichloroethane	1.0	U H	0.19	1.0
Dibromochloromethane	1.0	U H	0.20	1.0
1,2-Dibromoethane	1.0	U H	0.28	1.0
Dichlorodifluoromethane	1.0	U H	0.22	1.0
Bromochloromethane	1.0	U H	0.27	1.0
Bromodichloromethane	1.0	U H	0.12	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87		70 - 130
Toluene-d8 (Surr)	90		70 - 130
Bromofluorobenzene	97		70 - 130

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-7F**

Lab Sample ID: 460-50248-1
Client Matrix: Water

Date Sampled: 01/31/2013 1230
Date Received: 02/01/2013 1445

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-146779	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-146006	Lab File ID:	z18146.d
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 1606			Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	10	U	0.81	10
2-Chlorophenol	10	U	2.2	10
2-Methylphenol	10	U	1.8	10
4-Methylphenol	10	U	1.6	10
Benzaldehyde	10	U *	2.0	10
Acetophenone	10	U	2.7	10
Bis(2-chloroethyl)ether	1.0	U	0.28	1.0
2,2'-oxybis[1-chloropropane]	10	U	2.0	10
N-Nitrosodi-n-propylamine	1.0	U	0.25	1.0
Nitrobenzene	1.0	U	0.30	1.0
Hexachloroethane	1.0	U	0.25	1.0
Isophorone	10	U	2.7	10
2-Nitrophenol	10	U	2.4	10
2,4-Dimethylphenol	10	U	3.4	10
2,4-Dichlorophenol	10	U	2.6	10
Bis(2-chloroethoxy)methane	10	U	2.6	10
Naphthalene	10	U	2.7	10
4-Chloroaniline	10	U	2.0	10
Hexachlorobutadiene	2.0	U	0.57	2.0
Caprolactam	10	U	2.5	10
4-Chloro-3-methylphenol	10	U	2.5	10
2-Methylnaphthalene	10	U	3.0	10
Hexachlorobenzene	1.0	U	0.29	1.0
Hexachlorocyclopentadiene	10	U	1.7	10
2,4,6-Trichlorophenol	10	U	2.4	10
2,4,5-Trichlorophenol	10	U	2.6	10
Diphenyl	10	U	2.8	10
2-Chloronaphthalene	10	U	2.7	10
2-Nitroaniline	20	U	4.9	20
2,6-Dinitrotoluene	2.0	U	0.61	2.0
Dimethyl phthalate	10	U	2.8	10
Acenaphthylene	10	U	2.7	10
3-Nitroaniline	20	U	5.0	20
Acenaphthene	10	U	2.7	10
4-Nitrophenol	30	U	6.7	30
2,4-Dinitrophenol	30	U	5.4	30
Dibenzofuran	10	U	2.8	10
Diethyl phthalate	10	U	2.9	10
Fluorene	10	U	2.8	10
Fluoranthene	10	U	3.2	10
Di-n-butyl phthalate	10	U	2.9	10
2,4-Dinitrotoluene	2.0	U	0.47	2.0
4-Chlorophenyl phenyl ether	10	U	2.5	10
4-Nitroaniline	20	U	5.8	20
4,6-Dinitro-2-methylphenol	30	U	4.7	30
4-Bromophenyl phenyl ether	10	U	2.5	10

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-7F**

Lab Sample ID: 460-50248-1
Client Matrix: Water

Date Sampled: 01/31/2013 1230
Date Received: 02/01/2013 1445

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-146779	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-146006	Lab File ID:	z18146.d
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 1606			Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Atrazine	10	U	3.0	10
Anthracene	10	U	2.8	10
Carbazole	10	U	3.2	10
Phenanthrene	10	U	3.1	10
Pentachlorophenol	30	U	5.3	30
Pyrene	10	U	2.9	10
Chrysene	10	U	3.1	10
Benzo[k]fluoranthene	1.0	U	0.26	1.0
Benzo[g,h,i]perylene	10	U	2.0	10
Benzo[b]fluoranthene	1.0	U	0.26	1.0
Benzo[a]pyrene	1.0	U	0.14	1.0
Benzo[a]anthracene	1.0	U	0.27	1.0
N-Nitrosodiphenylamine	10	U	2.9	10
Butyl benzyl phthalate	10	U	2.5	10
Bis(2-ethylhexyl) phthalate	10	U	2.0	10
Di-n-octyl phthalate	10	U	1.5	10
Indeno[1,2,3-cd]pyrene	1.0	U	0.15	1.0
Dibenz(a,h)anthracene	1.0	U	0.090	1.0
3,3'-Dichlorobenzidine	20	U	4.9	20
1,2,4,5-Tetrachlorobenzene	10	U	2.6	10
2,3,4,6-Tetrachlorophenol	10	U	2.5	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	107		56 - 112
Phenol-d5	39		10 - 48
Terphenyl-d14	99		50 - 122
2,4,6-Tribromophenol	88		46 - 122
2-Fluorophenol	59		10 - 65
2-Fluorobiphenyl	94		53 - 108

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-1**

Lab Sample ID: 460-50248-2
Client Matrix: Water

Date Sampled: 01/31/2013 1000
Date Received: 02/01/2013 1445

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-146614	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-146006	Lab File ID:	z18113.d
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 0221			Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	10	U	0.81	10
2-Chlorophenol	10	U	2.2	10
2-Methylphenol	10	U	1.8	10
4-Methylphenol	10	U	1.6	10
Benzaldehyde	10	U *	2.0	10
Acetophenone	10	U	2.7	10
Bis(2-chloroethyl)ether	1.0	U	0.28	1.0
2,2'-oxybis[1-chloropropane]	10	U	2.0	10
N-Nitrosodi-n-propylamine	1.0	U	0.25	1.0
Nitrobenzene	1.0	U	0.30	1.0
Hexachloroethane	1.0	U	0.25	1.0
Isophorone	10	U	2.7	10
2-Nitrophenol	10	U	2.4	10
2,4-Dimethylphenol	10	U	3.4	10
2,4-Dichlorophenol	10	U	2.6	10
Bis(2-chloroethoxy)methane	10	U	2.6	10
Naphthalene	10	U	2.7	10
4-Chloroaniline	10	U	2.0	10
Hexachlorobutadiene	2.0	U	0.57	2.0
Caprolactam	10	U	2.5	10
4-Chloro-3-methylphenol	10	U	2.5	10
2-Methylnaphthalene	10	U	3.0	10
Hexachlorobenzene	1.0	U	0.29	1.0
Hexachlorocyclopentadiene	10	U	1.7	10
2,4,6-Trichlorophenol	10	U	2.4	10
2,4,5-Trichlorophenol	10	U	2.6	10
Diphenyl	10	U	2.8	10
2-Chloronaphthalene	10	U	2.7	10
2-Nitroaniline	20	U	4.9	20
2,6-Dinitrotoluene	2.0	U	0.61	2.0
Dimethyl phthalate	10	U	2.8	10
Acenaphthylene	10	U	2.7	10
3-Nitroaniline	20	U	5.0	20
Acenaphthene	10	U	2.7	10
4-Nitrophenol	30	U	6.7	30
2,4-Dinitrophenol	30	U	5.4	30
Dibenzofuran	10	U	2.8	10
Diethyl phthalate	10	U	2.9	10
Fluorene	10	U	2.8	10
Fluoranthene	10	U	3.2	10
Di-n-butyl phthalate	10	U	2.9	10
2,4-Dinitrotoluene	2.0	U	0.47	2.0
4-Chlorophenyl phenyl ether	10	U	2.5	10
4-Nitroaniline	20	U	5.8	20
4,6-Dinitro-2-methylphenol	30	U	4.7	30
4-Bromophenyl phenyl ether	10	U	2.5	10

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-1**

Lab Sample ID: 460-50248-2
Client Matrix: Water

Date Sampled: 01/31/2013 1000
Date Received: 02/01/2013 1445

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-146614	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-146006	Lab File ID:	z18113.d
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 0221			Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Atrazine	10	U	3.0	10
Anthracene	10	U	2.8	10
Carbazole	10	U	3.2	10
Phenanthrene	10	U	3.1	10
Pentachlorophenol	30	U	5.3	30
Pyrene	10	U	2.9	10
Chrysene	10	U	3.1	10
Benzo[k]fluoranthene	0.64	J	0.26	1.0
Benzo[g,h,i]perylene	2.2	J	2.0	10
Benzo[b]fluoranthene	0.74	J	0.26	1.0
Benzo[a]pyrene	0.88	J	0.14	1.0
Benzo[a]anthracene	1.0	U	0.27	1.0
N-Nitrosodiphenylamine	10	U	2.9	10
Butyl benzyl phthalate	10	U	2.5	10
Bis(2-ethylhexyl) phthalate	10	U	2.0	10
Di-n-octyl phthalate	10	U	1.5	10
Indeno[1,2,3-cd]pyrene	1.4		0.15	1.0
Dibenz(a,h)anthracene	1.6		0.090	1.0
3,3'-Dichlorobenzidine	20	U	4.9	20
1,2,4,5-Tetrachlorobenzene	10	U	2.6	10
2,3,4,6-Tetrachlorophenol	10	U	2.5	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	98		56 - 112
Phenol-d5	18		10 - 48
Terphenyl-d14	86		50 - 122
2,4,6-Tribromophenol	88		46 - 122
2-Fluorophenol	33		10 - 65
2-Fluorobiphenyl	90		53 - 108

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-3**

Lab Sample ID: 460-50248-3
Client Matrix: Water

Date Sampled: 01/31/2013 0945
Date Received: 02/01/2013 1445

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-146779	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-146006	Lab File ID:	z18161.d
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 2154			Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	10	U	0.81	10
2-Chlorophenol	10	U	2.2	10
2-Methylphenol	10	U	1.8	10
4-Methylphenol	10	U	1.6	10
Benzaldehyde	10	U *	2.0	10
Acetophenone	10	U	2.7	10
Bis(2-chloroethyl)ether	1.0	U	0.28	1.0
2,2'-oxybis[1-chloropropane]	10	U	2.0	10
N-Nitrosodi-n-propylamine	1.0	U	0.25	1.0
Nitrobenzene	1.0	U	0.30	1.0
Hexachloroethane	1.0	U	0.25	1.0
Isophorone	10	U	2.7	10
2-Nitrophenol	10	U	2.4	10
2,4-Dimethylphenol	10	U	3.4	10
2,4-Dichlorophenol	10	U	2.6	10
Bis(2-chloroethoxy)methane	10	U	2.6	10
Naphthalene	10	U	2.7	10
4-Chloroaniline	10	U	2.0	10
Hexachlorobutadiene	2.0	U	0.57	2.0
Caprolactam	10	U	2.5	10
4-Chloro-3-methylphenol	10	U	2.5	10
2-Methylnaphthalene	10	U	3.0	10
Hexachlorobenzene	1.0	U	0.29	1.0
Hexachlorocyclopentadiene	10	U	1.7	10
2,4,6-Trichlorophenol	10	U	2.4	10
2,4,5-Trichlorophenol	10	U	2.6	10
Diphenyl	10	U	2.8	10
2-Chloronaphthalene	10	U	2.7	10
2-Nitroaniline	20	U	4.9	20
2,6-Dinitrotoluene	2.0	U	0.61	2.0
Dimethyl phthalate	10	U	2.8	10
Acenaphthylene	10	U	2.7	10
3-Nitroaniline	20	U	5.0	20
Acenaphthene	10	U	2.7	10
4-Nitrophenol	30	U	6.7	30
2,4-Dinitrophenol	30	U	5.4	30
Dibenzofuran	10	U	2.8	10
Diethyl phthalate	10	U	2.9	10
Fluorene	10	U	2.8	10
Fluoranthene	10	U	3.2	10
Di-n-butyl phthalate	10	U	2.9	10
2,4-Dinitrotoluene	2.0	U	0.47	2.0
4-Chlorophenyl phenyl ether	10	U	2.5	10
4-Nitroaniline	20	U	5.8	20
4,6-Dinitro-2-methylphenol	30	U	4.7	30
4-Bromophenyl phenyl ether	10	U	2.5	10

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-3**

Lab Sample ID: 460-50248-3
Client Matrix: Water

Date Sampled: 01/31/2013 0945
Date Received: 02/01/2013 1445

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-146779	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-146006	Lab File ID:	z18161.d
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 2154			Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Atrazine	10	U	3.0	10
Anthracene	10	U	2.8	10
Carbazole	10	U	3.2	10
Phenanthrene	10	U	3.1	10
Pentachlorophenol	30	U	5.3	30
Pyrene	10	U	2.9	10
Chrysene	10	U	3.1	10
Benzo[k]fluoranthene	1.0	U	0.26	1.0
Benzo[g,h,i]perylene	10	U	2.0	10
Benzo[b]fluoranthene	1.0	U	0.26	1.0
Benzo[a]pyrene	1.0	U	0.14	1.0
Benzo[a]anthracene	1.0	U	0.27	1.0
N-Nitrosodiphenylamine	10	U	2.9	10
Butyl benzyl phthalate	10	U	2.5	10
Bis(2-ethylhexyl) phthalate	10	U	2.0	10
Di-n-octyl phthalate	10	U	1.5	10
Indeno[1,2,3-cd]pyrene	1.0	U	0.15	1.0
Dibenz(a,h)anthracene	1.0	U	0.090	1.0
3,3'-Dichlorobenzidine	20	U	4.9	20
1,2,4,5-Tetrachlorobenzene	10	U	2.6	10
2,3,4,6-Tetrachlorophenol	10	U	2.5	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	101		56 - 112
Phenol-d5	29		10 - 48
Terphenyl-d14	68		50 - 122
2,4,6-Tribromophenol	81		46 - 122
2-Fluorophenol	51		10 - 65
2-Fluorobiphenyl	92		53 - 108

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-2**

Lab Sample ID: 460-50248-4
Client Matrix: Water

Date Sampled: 01/31/2013 1100
Date Received: 02/01/2013 1445

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-146779	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-146006	Lab File ID:	z18162.d
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 2217			Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	10	U	0.81	10
2-Chlorophenol	10	U	2.2	10
2-Methylphenol	10	U	1.8	10
4-Methylphenol	10	U	1.6	10
Benzaldehyde	10	U *	2.0	10
Acetophenone	10	U	2.7	10
Bis(2-chloroethyl)ether	1.0	U	0.28	1.0
2,2'-oxybis[1-chloropropane]	10	U	2.0	10
N-Nitrosodi-n-propylamine	1.0	U	0.25	1.0
Nitrobenzene	1.0	U	0.30	1.0
Hexachloroethane	1.0	U	0.25	1.0
Isophorone	10	U	2.7	10
2-Nitrophenol	10	U	2.4	10
2,4-Dimethylphenol	10	U	3.4	10
2,4-Dichlorophenol	10	U	2.6	10
Bis(2-chloroethoxy)methane	10	U	2.6	10
Naphthalene	10	U	2.7	10
4-Chloroaniline	10	U	2.0	10
Hexachlorobutadiene	2.0	U	0.57	2.0
Caprolactam	10	U	2.5	10
4-Chloro-3-methylphenol	10	U	2.5	10
2-Methylnaphthalene	10	U	3.0	10
Hexachlorobenzene	1.0	U	0.29	1.0
Hexachlorocyclopentadiene	10	U	1.7	10
2,4,6-Trichlorophenol	10	U	2.4	10
2,4,5-Trichlorophenol	10	U	2.6	10
Diphenyl	10	U	2.8	10
2-Chloronaphthalene	10	U	2.7	10
2-Nitroaniline	20	U	4.9	20
2,6-Dinitrotoluene	2.0	U	0.61	2.0
Dimethyl phthalate	10	U	2.8	10
Acenaphthylene	10	U	2.7	10
3-Nitroaniline	20	U	5.0	20
Acenaphthene	10	U	2.7	10
4-Nitrophenol	30	U	6.7	30
2,4-Dinitrophenol	30	U	5.4	30
Dibenzofuran	10	U	2.8	10
Diethyl phthalate	10	U	2.9	10
Fluorene	10	U	2.8	10
Fluoranthene	10	U	3.2	10
Di-n-butyl phthalate	10	U	2.9	10
2,4-Dinitrotoluene	2.0	U	0.47	2.0
4-Chlorophenyl phenyl ether	10	U	2.5	10
4-Nitroaniline	20	U	5.8	20
4,6-Dinitro-2-methylphenol	30	U	4.7	30
4-Bromophenyl phenyl ether	10	U	2.5	10

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-2**

Lab Sample ID: 460-50248-4
Client Matrix: Water

Date Sampled: 01/31/2013 1100
Date Received: 02/01/2013 1445

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-146779	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-146006	Lab File ID:	z18162.d
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 2217			Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Atrazine	10	U	3.0	10
Anthracene	10	U	2.8	10
Carbazole	10	U	3.2	10
Phenanthrene	10	U	3.1	10
Pentachlorophenol	30	U	5.3	30
Pyrene	10	U	2.9	10
Chrysene	10	U	3.1	10
Benzo[k]fluoranthene	1.0	U	0.26	1.0
Benzo[g,h,i]perylene	10	U	2.0	10
Benzo[b]fluoranthene	1.0	U	0.26	1.0
Benzo[a]pyrene	1.0	U	0.14	1.0
Benzo[a]anthracene	1.0	U	0.27	1.0
N-Nitrosodiphenylamine	10	U	2.9	10
Butyl benzyl phthalate	10	U	2.5	10
Bis(2-ethylhexyl) phthalate	10	U	2.0	10
Di-n-octyl phthalate	10	U	1.5	10
Indeno[1,2,3-cd]pyrene	1.0	U	0.15	1.0
Dibenz(a,h)anthracene	1.0	U	0.090	1.0
3,3'-Dichlorobenzidine	20	U	4.9	20
1,2,4,5-Tetrachlorobenzene	10	U	2.6	10
2,3,4,6-Tetrachlorophenol	10	U	2.5	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	106		56 - 112
Phenol-d5	31		10 - 48
Terphenyl-d14	68		50 - 122
2,4,6-Tribromophenol	88		46 - 122
2-Fluorophenol	52		10 - 65
2-Fluorobiphenyl	97		53 - 108

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-2D**

Lab Sample ID: 460-50248-5
Client Matrix: Water

Date Sampled: 01/31/2013 1115
Date Received: 02/01/2013 1445

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-146779	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-146006	Lab File ID:	z18163.d
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 2240			Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	10	U	0.81	10
2-Chlorophenol	10	U	2.2	10
2-Methylphenol	10	U	1.8	10
4-Methylphenol	10	U	1.6	10
Benzaldehyde	10	U *	2.0	10
Acetophenone	10	U	2.7	10
Bis(2-chloroethyl)ether	1.0	U	0.28	1.0
2,2'-oxybis[1-chloropropane]	10	U	2.0	10
N-Nitrosodi-n-propylamine	1.0	U	0.25	1.0
Nitrobenzene	1.0	U	0.30	1.0
Hexachloroethane	1.0	U	0.25	1.0
Isophorone	10	U	2.7	10
2-Nitrophenol	10	U	2.4	10
2,4-Dimethylphenol	10	U	3.4	10
2,4-Dichlorophenol	10	U	2.6	10
Bis(2-chloroethoxy)methane	10	U	2.6	10
Naphthalene	10	U	2.7	10
4-Chloroaniline	10	U	2.0	10
Hexachlorobutadiene	2.0	U	0.57	2.0
Caprolactam	10	U	2.5	10
4-Chloro-3-methylphenol	10	U	2.5	10
2-Methylnaphthalene	10	U	3.0	10
Hexachlorobenzene	1.0	U	0.29	1.0
Hexachlorocyclopentadiene	10	U	1.7	10
2,4,6-Trichlorophenol	10	U	2.4	10
2,4,5-Trichlorophenol	10	U	2.6	10
Diphenyl	10	U	2.8	10
2-Chloronaphthalene	10	U	2.7	10
2-Nitroaniline	20	U	4.9	20
2,6-Dinitrotoluene	2.0	U	0.61	2.0
Dimethyl phthalate	10	U	2.8	10
Acenaphthylene	10	U	2.7	10
3-Nitroaniline	20	U	5.0	20
Acenaphthene	10	U	2.7	10
4-Nitrophenol	30	U	6.7	30
2,4-Dinitrophenol	30	U	5.4	30
Dibenzofuran	10	U	2.8	10
Diethyl phthalate	10	U	2.9	10
Fluorene	10	U	2.8	10
Fluoranthene	10	U	3.2	10
Di-n-butyl phthalate	10	U	2.9	10
2,4-Dinitrotoluene	2.0	U	0.47	2.0
4-Chlorophenyl phenyl ether	10	U	2.5	10
4-Nitroaniline	20	U	5.8	20
4,6-Dinitro-2-methylphenol	30	U	4.7	30
4-Bromophenyl phenyl ether	10	U	2.5	10

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-2D**

Lab Sample ID: 460-50248-5
Client Matrix: Water

Date Sampled: 01/31/2013 1115
Date Received: 02/01/2013 1445

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-146779	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-146006	Lab File ID:	z18163.d
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 2240			Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Atrazine	10	U	3.0	10
Anthracene	10	U	2.8	10
Carbazole	10	U	3.2	10
Phenanthrene	10	U	3.1	10
Pentachlorophenol	30	U	5.3	30
Pyrene	10	U	2.9	10
Chrysene	10	U	3.1	10
Benzo[k]fluoranthene	1.0	U	0.26	1.0
Benzo[g,h,i]perylene	10	U	2.0	10
Benzo[b]fluoranthene	1.0	U	0.26	1.0
Benzo[a]pyrene	1.0	U	0.14	1.0
Benzo[a]anthracene	1.0	U	0.27	1.0
N-Nitrosodiphenylamine	10	U	2.9	10
Butyl benzyl phthalate	10	U	2.5	10
Bis(2-ethylhexyl) phthalate	10	U	2.0	10
Di-n-octyl phthalate	10	U	1.5	10
Indeno[1,2,3-cd]pyrene	1.0	U	0.15	1.0
Dibenz(a,h)anthracene	1.0	U	0.090	1.0
3,3'-Dichlorobenzidine	20	U	4.9	20
1,2,4,5-Tetrachlorobenzene	10	U	2.6	10
2,3,4,6-Tetrachlorophenol	10	U	2.5	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	106		56 - 112
Phenol-d5	27		10 - 48
Terphenyl-d14	71		50 - 122
2,4,6-Tribromophenol	84		46 - 122
2-Fluorophenol	47		10 - 65
2-Fluorobiphenyl	99		53 - 108

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-7**

Lab Sample ID: 460-50248-6
Client Matrix: Water

Date Sampled: 01/31/2013 1200
Date Received: 02/01/2013 1445

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-146806	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-146378	Lab File ID:	z18196.d
Dilution:	1.0			Initial Weight/Volume:	980 mL
Analysis Date:	02/10/2013 1128			Final Weight/Volume:	2 mL
Prep Date:	02/07/2013 1133			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	10	U	0.83	10
2-Chlorophenol	10	U	2.2	10
2-Methylphenol	10	U	1.8	10
4-Methylphenol	10	U	1.6	10
Benzaldehyde	10	U	2.0	10
Acetophenone	10	U	2.8	10
Bis(2-chloroethyl)ether	1.0	U	0.29	1.0
2,2'-oxybis[1-chloropropane]	10	U	2.0	10
N-Nitrosodi-n-propylamine	1.0	U	0.26	1.0
Nitrobenzene	1.0	U	0.31	1.0
Hexachloroethane	1.0	U	0.26	1.0
Isophorone	10	U	2.8	10
2-Nitrophenol	10	U	2.4	10
2,4-Dimethylphenol	10	U	3.5	10
2,4-Dichlorophenol	10	U	2.7	10
Bis(2-chloroethoxy)methane	10	U	2.7	10
Naphthalene	10	U	2.8	10
4-Chloroaniline	10	U	2.0	10
Hexachlorobutadiene	2.0	U	0.58	2.0
Caprolactam	10	U	2.6	10
4-Chloro-3-methylphenol	10	U	2.6	10
2-Methylnaphthalene	10	U	3.1	10
Hexachlorobenzene	1.0	U	0.30	1.0
Hexachlorocyclopentadiene	10	U	1.7	10
2,4,6-Trichlorophenol	10	U	2.4	10
2,4,5-Trichlorophenol	10	U	2.7	10
Diphenyl	10	U	2.9	10
2-Chloronaphthalene	10	U	2.8	10
2-Nitroaniline	20	U *	5.0	20
2,6-Dinitrotoluene	2.0	U	0.62	2.0
Dimethyl phthalate	10	U	2.9	10
Acenaphthylene	10	U	2.8	10
3-Nitroaniline	20	U	5.1	20
Acenaphthene	10	U	2.8	10
4-Nitrophenol	31	U	6.8	31
2,4-Dinitrophenol	31	U	5.5	31
Dibenzofuran	10	U	2.9	10
Diethyl phthalate	10	U	3.0	10
Fluorene	10	U	2.9	10
Fluoranthene	10	U	3.3	10
Di-n-butyl phthalate	10	U	3.0	10
2,4-Dinitrotoluene	2.0	U	0.48	2.0
4-Chlorophenyl phenyl ether	10	U	2.6	10
4-Nitroaniline	20	U	5.9	20
4,6-Dinitro-2-methylphenol	31	U	4.8	31
4-Bromophenyl phenyl ether	10	U	2.6	10

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-7**

Lab Sample ID: 460-50248-6
Client Matrix: Water

Date Sampled: 01/31/2013 1200
Date Received: 02/01/2013 1445

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-146806	Instrument ID:	BNAMS11
Prep Method:	3510C	Prep Batch:	460-146378	Lab File ID:	z18196.d
Dilution:	1.0			Initial Weight/Volume:	980 mL
Analysis Date:	02/10/2013 1128			Final Weight/Volume:	2 mL
Prep Date:	02/07/2013 1133			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Atrazine	10	U	3.1	10
Anthracene	10	U	2.9	10
Carbazole	10	U	3.3	10
Phenanthrene	10	U	3.2	10
Pentachlorophenol	31	U	5.4	31
Pyrene	10	U	3.0	10
Chrysene	10	U	3.2	10
Benzo[k]fluoranthene	1.0	U	0.27	1.0
Benzo[g,h,i]perylene	10	U	2.0	10
Benzo[b]fluoranthene	0.59	J	0.27	1.0
Benzo[a]pyrene	0.41	J	0.14	1.0
Benzo[a]anthracene	1.0	U	0.28	1.0
N-Nitrosodiphenylamine	10	U	3.0	10
Butyl benzyl phthalate	10	U	2.6	10
Bis(2-ethylhexyl) phthalate	10	U	2.0	10
Di-n-octyl phthalate	10	U	1.5	10
Indeno[1,2,3-cd]pyrene	0.47	J	0.15	1.0
Dibenz(a,h)anthracene	0.28	J	0.092	1.0
3,3'-Dichlorobenzidine	20	U	5.0	20
1,2,4,5-Tetrachlorobenzene	10	U *	2.7	10
2,3,4,6-Tetrachlorophenol	10	U	2.6	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	73		56 - 112
Phenol-d5	18		10 - 48
Terphenyl-d14	69		50 - 122
2,4,6-Tribromophenol	63		46 - 122
2-Fluorophenol	31		10 - 65
2-Fluorobiphenyl	71		53 - 108

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-7F**

Lab Sample ID: 460-50248-1
Client Matrix: Water

Date Sampled: 01/31/2013 1230
Date Received: 02/01/2013 1445

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-145902	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-145805	Lab File ID:	02042013.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	02/04/2013 1133			Final Weight/Volume:	100 mL
Prep Date:	02/03/2013 1310				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	200	U	72.1	200
Antimony	10.0	U	7.4	10.0
Arsenic	3.7	J	3.7	5.0
Barium	200	U	5.9	200
Beryllium	2.0	U	0.78	2.0
Cadmium	5.0	U	0.82	5.0
Calcium	5000	U	305	5000
Chromium	10.0	U	4.5	10.0
Cobalt	50.0	U	4.3	50.0
Copper	25.0	U	7.8	25.0
Iron	150	U	73.6	150
Lead	5.0	U	4.0	5.0
Magnesium	5000	U	321	5000
Manganese	15.0	U	4.3	15.0
Nickel	40.0	U	5.0	40.0
Potassium	5000	U	525	5000
Selenium	10.0	U	5.8	10.0
Silver	10.0	U	1.3	10.0
Sodium	5000	U	821	5000
Thallium	10.0	U	5.2	10.0
Vanadium	50.0	U	4.0	50.0
Zinc	30.0	U	5.8	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-145961	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-145903	Lab File ID:	145903.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	02/04/2013 1453			Final Weight/Volume:	30 mL
Prep Date:	02/04/2013 1253				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-1**

Lab Sample ID: 460-50248-2
Client Matrix: Water

Date Sampled: 01/31/2013 1000
Date Received: 02/01/2013 1445

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-145902	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-145805	Lab File ID:	02042013.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	02/04/2013 1056			Final Weight/Volume:	100 mL
Prep Date:	02/03/2013 1310				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	200	U	72.1	200
Antimony	10.0	U	7.4	10.0
Arsenic	4.8	J	3.7	5.0
Barium	30.6	J	5.9	200
Beryllium	2.0	U	0.78	2.0
Cadmium	5.0	U	0.82	5.0
Calcium	9770		305	5000
Chromium	10.0	U	4.5	10.0
Cobalt	50.0	U	4.3	50.0
Copper	25.0	U	7.8	25.0
Iron	27100		73.6	150
Lead	5.0	U	4.0	5.0
Magnesium	2420	J	321	5000
Manganese	390		4.3	15.0
Nickel	40.0	U	5.0	40.0
Potassium	2130	J	525	5000
Selenium	10.0	U	5.8	10.0
Silver	10.0	U	1.3	10.0
Sodium	21500		821	5000
Thallium	10.0	U	5.2	10.0
Vanadium	50.0	U	4.0	50.0
Zinc	30.0	U	5.8	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-145961	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-145903	Lab File ID:	145903.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	02/04/2013 1434			Final Weight/Volume:	30 mL
Prep Date:	02/04/2013 1253				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-3**

Lab Sample ID: 460-50248-3
Client Matrix: Water

Date Sampled: 01/31/2013 0945
Date Received: 02/01/2013 1445

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-145902	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-145805	Lab File ID:	02042013.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	02/04/2013 1137			Final Weight/Volume:	100 mL
Prep Date:	02/03/2013 1310				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	619		72.1	200
Antimony	10.0	U	7.4	10.0
Arsenic	9.1		3.7	5.0
Barium	51.3	J	5.9	200
Beryllium	2.0	U	0.78	2.0
Cadmium	5.0	U	0.82	5.0
Calcium	13000		305	5000
Chromium	10.0	U	4.5	10.0
Cobalt	50.0	U	4.3	50.0
Copper	12.2	J	7.8	25.0
Iron	14600		73.6	150
Lead	10.8		4.0	5.0
Magnesium	3540	J	321	5000
Manganese	194		4.3	15.0
Nickel	40.0	U	5.0	40.0
Potassium	2910	J	525	5000
Selenium	10.0	U	5.8	10.0
Silver	10.0	U	1.3	10.0
Sodium	17400		821	5000
Thallium	10.0	U	5.2	10.0
Vanadium	50.0	U	4.0	50.0
Zinc	11.1	J	5.8	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-145961	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-145903	Lab File ID:	145903.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	02/04/2013 1454			Final Weight/Volume:	30 mL
Prep Date:	02/04/2013 1253				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-2**

Lab Sample ID: 460-50248-4
Client Matrix: Water

Date Sampled: 01/31/2013 1100
Date Received: 02/01/2013 1445

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-145902	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-145805	Lab File ID:	02042013.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	02/04/2013 1141			Final Weight/Volume:	100 mL
Prep Date:	02/03/2013 1310				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	3620		72.1	200
Antimony	10.0	U	7.4	10.0
Arsenic	14.2		3.7	5.0
Barium	76.4	J	5.9	200
Beryllium	2.0	U	0.78	2.0
Cadmium	5.0	U	0.82	5.0
Calcium	17400		305	5000
Chromium	9.3	J	4.5	10.0
Cobalt	50.0	U	4.3	50.0
Copper	41.9		7.8	25.0
Iron	36100		73.6	150
Lead	27.0		4.0	5.0
Magnesium	2930	J	321	5000
Manganese	384		4.3	15.0
Nickel	5.1	J	5.0	40.0
Potassium	3640	J	525	5000
Selenium	10.0	U	5.8	10.0
Silver	10.0	U	1.3	10.0
Sodium	22700		821	5000
Thallium	10.0	U	5.2	10.0
Vanadium	14.6	J	4.0	50.0
Zinc	45.9		5.8	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-145961	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-145903	Lab File ID:	145903.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	02/04/2013 1456			Final Weight/Volume:	30 mL
Prep Date:	02/04/2013 1253				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-2D**

Lab Sample ID: 460-50248-5
Client Matrix: Water

Date Sampled: 01/31/2013 1115
Date Received: 02/01/2013 1445

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-145902	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-145805	Lab File ID:	02042013.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	02/04/2013 1144			Final Weight/Volume:	100 mL
Prep Date:	02/03/2013 1310				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	3260		72.1	200
Antimony	10.0	U	7.4	10.0
Arsenic	11.0		3.7	5.0
Barium	70.5	J	5.9	200
Beryllium	2.0	U	0.78	2.0
Cadmium	5.0	U	0.82	5.0
Calcium	18200		305	5000
Chromium	8.0	J	4.5	10.0
Cobalt	50.0	U	4.3	50.0
Copper	36.5		7.8	25.0
Iron	35100		73.6	150
Lead	26.4		4.0	5.0
Magnesium	3080	J	321	5000
Manganese	384		4.3	15.0
Nickel	40.0	U	5.0	40.0
Potassium	3790	J	525	5000
Selenium	10.0	U	5.8	10.0
Silver	10.0	U	1.3	10.0
Sodium	22600		821	5000
Thallium	10.0	U	5.2	10.0
Vanadium	13.8	J	4.0	50.0
Zinc	40.4		5.8	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-145961	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-145903	Lab File ID:	145903.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	02/04/2013 1458			Final Weight/Volume:	30 mL
Prep Date:	02/04/2013 1253				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

Client: FPM Group Limited

Job Number: 460-50248-1

Client Sample ID: **MW-7**

Lab Sample ID: 460-50248-6
Client Matrix: Water

Date Sampled: 01/31/2013 1200
Date Received: 02/01/2013 1445

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-145902	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-145805	Lab File ID:	02042013.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	02/04/2013 1148			Final Weight/Volume:	100 mL
Prep Date:	02/03/2013 1310				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	577		72.1	200
Antimony	10.0	U	7.4	10.0
Arsenic	5.6		3.7	5.0
Barium	98.2	J	5.9	200
Beryllium	2.0	U	0.78	2.0
Cadmium	5.0	U	0.82	5.0
Calcium	56500		305	5000
Chromium	10.0	U	4.5	10.0
Cobalt	50.0	U	4.3	50.0
Copper	82.4		7.8	25.0
Iron	6430		73.6	150
Lead	14.9		4.0	5.0
Magnesium	4860	J	321	5000
Manganese	101		4.3	15.0
Nickel	40.0	U	5.0	40.0
Potassium	6690		525	5000
Selenium	10.0	U	5.8	10.0
Silver	10.0	U	1.3	10.0
Sodium	54200		821	5000
Thallium	10.0	U	5.2	10.0
Vanadium	50.0	U	4.0	50.0
Zinc	78.7		5.8	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-145961	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-145903	Lab File ID:	145903.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	02/04/2013 1500			Final Weight/Volume:	30 mL
Prep Date:	02/04/2013 1253				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

Client: FPM Group Limited

Job Number: 460-50248-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
460-50248-1	MW-7F	85	86	95
460-50248-2	MW-1	85	87	95
460-50248-3	MW-3	85	86	96
460-50248-4	MW-2	89	90	99
460-50248-5	MW-2D	85	86	95
460-50248-6	MW-7	85	86	95
460-50248-7	TRIP BLANK	87	90	97
MB 460-146197/4		86	86	94
LCS 460-146197/3		71	79	103
460-50248-2 MS	MW-1 MS	86	86	95
460-50248-2 MSD	MW-1 MSD	85	87	96

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = Bromofluorobenzene	70-130

Client: FPM Group Limited

Job Number: 460-50248-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
460-50248-1	MW-7F	59	39	107	94	88	99
460-50248-2	MW-1	33	18	98	90	88	86
460-50248-3	MW-3	51	29	101	92	81	68
460-50248-4	MW-2	52	31	106	97	88	68
460-50248-5	MW-2D	47	27	106	99	84	71
460-50248-6	MW-7	31	18	73	71	63	69
MB 460-146006/1-A		59	37	101	91	64	102
MB 460-146378/1-A		36	21	80	75	71	75
LCS 460-146006/2-A		47	28	89	85	73	85
LCS 460-146378/2-A		33	19	71	67	70	69
460-50248-2 MS	MW-1 MS	44	26	94	89	79	79
460-50248-2 MSD	MW-1 MSD	53	33	91	87	80	78

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	10-65
PHL = Phenol-d5	10-48
NBZ = Nitrobenzene-d5	56-112
FBP = 2-Fluorobiphenyl	53-108
TBP = 2,4,6-Tribromophenol	46-122
TPH = Terphenyl-d14	50-122

Client: FPM Group Limited

Job Number: 460-50248-1

Method Blank - Batch: 460-146197

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 460-146197/4	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	k09234.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1049	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1049				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloromethane	1.0	U	0.10	1.0
Bromomethane	1.0	U	0.18	1.0
Vinyl chloride	1.0	U	0.14	1.0
Chloroethane	1.0	U	0.17	1.0
Methylene Chloride	1.0	U	0.18	1.0
Acetone	5.0	U	2.7	5.0
Carbon disulfide	1.0	U	0.13	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
Chloroform	1.0	U	0.080	1.0
2-Butanone	5.0	U	2.3	5.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Benzene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.19	1.0
Styrene	1.0	U	0.12	1.0
m&p-Xylene	2.0	U	0.25	2.0
o-Xylene	1.0	U	0.13	1.0
Ethylbenzene	1.0	U	0.10	1.0
Chlorobenzene	1.0	U	0.11	1.0
Cyclohexane	1.0	U	0.16	1.0
Isopropylbenzene	1.0	U	0.080	1.0
2-Hexanone	5.0	U	0.50	5.0
MTBE	1.0	U	0.14	1.0
Freon TF	1.0	U	0.080	1.0
Methyl acetate	2.0	U	0.34	2.0
1,4-Dioxane	50	U	36	50
Trichloroethene	1.0	U	0.090	1.0
Toluene	1.0	U	0.15	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
4-Methyl-2-pentanone	5.0	U	0.99	5.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
Methylcyclohexane	1.0	U	0.14	1.0
Tetrachloroethene	1.0	U	0.10	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0

Client: FPM Group Limited

Job Number: 460-50248-1

Method Blank - Batch: 460-146197

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 460-146197/4	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	k09234.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1049	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1049				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
Dibromochloromethane	1.0	U	0.20	1.0
1,2-Dibromoethane	1.0	U	0.28	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Bromochloromethane	1.0	U	0.27	1.0
Bromodichloromethane	1.0	U	0.12	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86	70 - 130
Toluene-d8 (Surr)	86	70 - 130
Bromofluorobenzene	94	70 - 130

Client: FPM Group Limited

Job Number: 460-50248-1

Lab Control Sample - Batch: 460-146197

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 460-146197/3	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	k09231.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 0832	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 0832				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	20.0	18.1	91	58 - 146	
Bromomethane	20.0	16.8	84	55 - 153	
Vinyl chloride	20.0	19.1	96	61 - 144	
Chloroethane	20.0	16.5	82	69 - 145	
Methylene Chloride	20.0	18.6	93	79 - 119	
Acetone	20.0	21.0	105	45 - 156	
Carbon disulfide	20.0	19.6	98	58 - 139	
Trichlorofluoromethane	20.0	19.0	95	69 - 147	
1,1-Dichloroethene	20.0	20.6	103	56 - 139	
1,1-Dichloroethane	20.0	17.1	85	78 - 122	
trans-1,2-Dichloroethene	20.0	18.7	93	75 - 122	
cis-1,2-Dichloroethene	20.0	19.2	96	80 - 120	
Chloroform	20.0	18.4	92	82 - 123	
2-Butanone	20.0	20.1	101	65 - 114	
1,2-Dichloroethane	20.0	17.2	86	74 - 118	
1,1,1-Trichloroethane	20.0	18.9	95	74 - 128	
Carbon tetrachloride	20.0	19.3	97	73 - 120	
Benzene	20.0	17.5	87	83 - 124	
Bromoform	20.0	18.8	94	73 - 123	
Styrene	20.0	18.7	94	69 - 112	
m&p-Xylene	40.0	37.9	95	76 - 120	
o-Xylene	20.0	18.6	93	78 - 118	
Ethylbenzene	20.0	19.0	95	79 - 126	
Chlorobenzene	20.0	18.6	93	81 - 121	
Cyclohexane	20.0	18.8	94	58 - 133	
Isopropylbenzene	20.0	19.2	96	80 - 125	
2-Hexanone	20.0	15.8	79	53 - 121	
MTBE	20.0	18.5	93	71 - 115	
Freon TF	20.0	21.9	109	47 - 139	
Methyl acetate	20.0	12.6	63	50 - 151	
1,4-Dioxane	150	169	113	52 - 126	
Trichloroethene	20.0	19.1	95	78 - 119	
Toluene	20.0	18.8	94	80 - 120	
trans-1,3-Dichloropropene	20.0	17.1	86	78 - 118	
4-Methyl-2-pentanone	20.0	15.4	77	53 - 120	
cis-1,3-Dichloropropene	20.0	16.8	84	80 - 120	
1,2-Dichlorobenzene	20.0	19.1	96	82 - 122	
1,3-Dichlorobenzene	20.0	19.4	97	81 - 126	
1,4-Dichlorobenzene	20.0	19.2	96	83 - 123	
1,2,4-Trichlorobenzene	20.0	20.5	102	66 - 120	
1,2,3-Trichlorobenzene	20.0	20.4	102	76 - 123	
1,2-Dichloropropane	20.0	17.1	86	80 - 120	
Methylcyclohexane	20.0	20.5	103	61 - 129	
Tetrachloroethene	20.0	20.1	101	68 - 139	
1,2-Dibromo-3-Chloropropane	20.0	16.9	84	70 - 116	
1,1,2,2-Tetrachloroethane	20.0	17.2	86	74 - 126	

Client: FPM Group Limited

Job Number: 460-50248-1

Lab Control Sample - Batch: 460-146197

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 460-146197/3	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	k09231.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 0832	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 0832				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,2-Trichloroethane	20.0	17.1	85	79 - 119	
Dibromochloromethane	20.0	18.4	92	80 - 120	
1,2-Dibromoethane	20.0	18.6	93	78 - 118	
Dichlorodifluoromethane	20.0	19.7	99	46 - 145	
Bromochloromethane	20.0	19.5	98	80 - 121	
Bromodichloromethane	20.0	18.3	92	79 - 119	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	71	70 - 130
Toluene-d8 (Surr)	79	70 - 130
Bromofluorobenzene	103	70 - 130

Client: FPM Group Limited

Job Number: 460-50248-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-146197

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	460-50248-2	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	k09242.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1456			Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1456				
Leach Date:	N/A				

MSD Lab Sample ID:	460-50248-2	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	k09243.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1519			Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1519				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloromethane	80	79	58 - 146	1	30		
Bromomethane	84	80	55 - 153	5	30		
Vinyl chloride	87	89	61 - 144	2	30		
Chloroethane	80	77	69 - 145	4	30		
Methylene Chloride	88	86	79 - 119	2	30		
Acetone	81	73	45 - 156	10	30		
Carbon disulfide	94	92	58 - 139	2	30		
Trichlorofluoromethane	94	94	69 - 147	1	30		
1,1-Dichloroethene	100	97	56 - 139	3	30		
1,1-Dichloroethane	82	81	78 - 122	2	30		
trans-1,2-Dichloroethene	91	89	75 - 122	2	30		
cis-1,2-Dichloroethene	95	93	80 - 120	2	30		
Chloroform	90	88	82 - 123	3	30		
2-Butanone	95	93	65 - 114	2	30		
1,2-Dichloroethane	85	85	74 - 118	1	30		
1,1,1-Trichloroethane	92	92	74 - 128	1	30		
Carbon tetrachloride	93	93	73 - 120	1	30		
Benzene	87	85	83 - 124	1	30		
Bromoform	89	90	73 - 123	1	30		
Styrene	90	90	69 - 112	0	30		
m&p-Xylene	94	93	76 - 120	1	30		
o-Xylene	92	92	78 - 118	0	30		
Ethylbenzene	94	93	79 - 126	1	30		
Chlorobenzene	83	84	81 - 121	0	30		
Cyclohexane	93	91	58 - 133	2	30		
Isopropylbenzene	96	96	80 - 125	0	30		
2-Hexanone	79	79	53 - 121	0	30		
MTBE	86	86	71 - 115	1	30		
Freon TF	109	106	47 - 139	3	30		
Methyl acetate	58	58	50 - 151	1	30		
1,4-Dioxane	79	95	52 - 126	18	30		
Trichloroethene	96	93	78 - 119	4	30		
Toluene	92	92	80 - 120	0	30		

Client: FPM Group Limited

Job Number: 460-50248-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-146197

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	460-50248-2	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	k09242.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1456			Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1456				
Leach Date:	N/A				

MSD Lab Sample ID:	460-50248-2	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	k09243.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1519			Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1519				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
trans-1,3-Dichloropropene	81	79	78 - 118	2	30		
4-Methyl-2-pentanone	81	79	53 - 120	2	30		
cis-1,3-Dichloropropene	80	79	80 - 120	1	30		*
1,2-Dichlorobenzene	93	91	82 - 122	1	30		
1,3-Dichlorobenzene	96	95	81 - 126	1	30		
1,4-Dichlorobenzene	89	89	83 - 123	0	30		
1,2,4-Trichlorobenzene	97	98	66 - 120	0	30		
1,2,3-Trichlorobenzene	96	100	76 - 123	4	30		
1,2-Dichloropropane	82	82	80 - 120	1	30		
Methylcyclohexane	103	103	61 - 129	0	30		
Tetrachloroethene	105	105	68 - 139	0	30		
1,2-Dibromo-3-Chloropropane	81	82	70 - 116	1	30		
1,1,2,2-Tetrachloroethane	90	88	74 - 126	2	30		
1,1,2-Trichloroethane	84	81	79 - 119	3	30		
Dibromochloromethane	88	88	80 - 120	0	30		
1,2-Dibromoethane	91	92	78 - 118	0	30		
Dichlorodifluoromethane	96	97	46 - 145	1	30		
Bromochloromethane	96	96	80 - 121	1	30		
Bromodichloromethane	90	88	79 - 119	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86	85	70 - 130
Toluene-d8 (Surr)	86	87	70 - 130
Bromofluorobenzene	95	96	70 - 130

Client: FPM Group Limited

Job Number: 460-50248-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-146197

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	460-50248-2	Units:	ug/L	MSD Lab Sample ID:	460-50248-2
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	02/06/2013 1456			Analysis Date:	02/06/2013 1519
Prep Date:	02/06/2013 1456			Prep Date:	02/06/2013 1519
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Chloromethane	1.0	U	20.0	20.0	15.9	15.9	
Bromomethane	1.0	U	20.0	20.0	16.8	16.1	
Vinyl chloride	1.0	U	20.0	20.0	17.5	17.7	
Chloroethane	1.0	U	20.0	20.0	16.0	15.4	
Methylene Chloride	1.0	U	20.0	20.0	17.6	17.3	
Acetone	5.0	U	20.0	20.0	16.1	14.6	
Carbon disulfide	1.0	U	20.0	20.0	18.8	18.4	
Trichlorofluoromethane	1.0	U	20.0	20.0	18.8	18.9	
1,1-Dichloroethene	1.0	U	20.0	20.0	19.9	19.4	
1,1-Dichloroethane	1.0	U	20.0	20.0	16.4	16.1	
trans-1,2-Dichloroethene	1.0	U	20.0	20.0	18.1	17.7	
cis-1,2-Dichloroethene	0.64	J	20.0	20.0	19.7	19.2	
Chloroform	1.0	U	20.0	20.0	18.0	17.5	
2-Butanone	5.0	U	20.0	20.0	19.0	18.7	
1,2-Dichloroethane	1.0	U	20.0	20.0	17.1	16.9	
1,1,1-Trichloroethane	1.0	U	20.0	20.0	18.4	18.3	
Carbon tetrachloride	1.0	U	20.0	20.0	18.7	18.6	
Benzene	1.0	U	20.0	20.0	17.3	17.1	
Bromoform	1.0	U	20.0	20.0	17.8	18.0	
Styrene	1.0	U	20.0	20.0	18.0	18.0	
m&p-Xylene	0.29	J	40.0	40.0	38.0	37.5	
o-Xylene	0.16	J	20.0	20.0	18.5	18.5	
Ethylbenzene	0.35	J	20.0	20.0	19.1	19.0	
Chlorobenzene	14		20.0	20.0	30.3	30.4	
Cyclohexane	1.0	U	20.0	20.0	18.7	18.3	
Isopropylbenzene	0.16	J	20.0	20.0	19.3	19.3	
2-Hexanone	5.0	U	20.0	20.0	15.7	15.7	
MTBE	1.0	U	20.0	20.0	17.2	17.1	
Freon TF	1.0	U	20.0	20.0	21.8	21.2	
Methyl acetate	2.0	U	20.0	20.0	11.5	11.6	
1,4-Dioxane	50	U	150	150	119	143	
Trichloroethene	0.34	J	20.0	20.0	19.6	18.9	
Toluene	0.19	J	20.0	20.0	18.6	18.5	
trans-1,3-Dichloropropene	1.0	U	20.0	20.0	16.1	15.9	
4-Methyl-2-pentanone	5.0	U	20.0	20.0	16.1	15.8	
cis-1,3-Dichloropropene	1.0	U	20.0	20.0	16.0	15.8	*
1,2-Dichlorobenzene	4.9		20.0	20.0	23.4	23.1	
1,3-Dichlorobenzene	1.0		20.0	20.0	20.2	20.1	
1,4-Dichlorobenzene	9.5		20.0	20.0	27.3	27.3	
1,2,4-Trichlorobenzene	1.0	U	20.0	20.0	19.5	19.5	
1,2,3-Trichlorobenzene	1.0	U	20.0	20.0	19.2	20.0	
1,2-Dichloropropane	1.0	U	20.0	20.0	16.5	16.3	
Methylcyclohexane	1.0	U	20.0	20.0	20.6	20.5	

Client: FPM Group Limited

Job Number: 460-50248-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-146197

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	460-50248-2	Units:	ug/L	MSD Lab Sample ID:	460-50248-2
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	02/06/2013 1456			Analysis Date:	02/06/2013 1519
Prep Date:	02/06/2013 1456			Prep Date:	02/06/2013 1519
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Tetrachloroethene	1.0	U	20.0	20.0	21.0	21.0
1,2-Dibromo-3-Chloropropane	1.0	U	20.0	20.0	16.3	16.4
1,1,2,2-Tetrachloroethane	1.0	U	20.0	20.0	17.9	17.6
1,1,2-Trichloroethane	1.0	U	20.0	20.0	16.7	16.3
Dibromochloromethane	1.0	U	20.0	20.0	17.6	17.5
1,2-Dibromoethane	1.0	U	20.0	20.0	18.3	18.3
Dichlorodifluoromethane	1.0	U	20.0	20.0	19.3	19.5
Bromochloromethane	1.0	U	20.0	20.0	19.1	19.2
Bromodichloromethane	1.0	U	20.0	20.0	17.9	17.7

Client: FPM Group Limited

Job Number: 460-50248-1

Method Blank - Batch: 460-146006

Method: 8270C
Preparation: 3510C

Lab Sample ID:	MB 460-146006/1-A	Analysis Batch:	460-146614	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-146006	Lab File ID:	z18130.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 0913	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Phenol	10	U	0.81	10
2-Chlorophenol	10	U	2.2	10
2-Methylphenol	10	U	1.8	10
4-Methylphenol	10	U	1.6	10
Benzaldehyde	10	U	2.0	10
Acetophenone	10	U	2.7	10
Bis(2-chloroethyl)ether	1.0	U	0.28	1.0
2,2'-oxybis[1-chloropropane]	10	U	2.0	10
N-Nitrosodi-n-propylamine	1.0	U	0.25	1.0
Nitrobenzene	1.0	U	0.30	1.0
Hexachloroethane	1.0	U	0.25	1.0
Isophorone	10	U	2.7	10
2-Nitrophenol	10	U	2.4	10
2,4-Dimethylphenol	10	U	3.4	10
2,4-Dichlorophenol	10	U	2.6	10
Bis(2-chloroethoxy)methane	10	U	2.6	10
Naphthalene	10	U	2.7	10
4-Chloroaniline	10	U	2.0	10
Hexachlorobutadiene	2.0	U	0.57	2.0
Caprolactam	10	U	2.5	10
4-Chloro-3-methylphenol	10	U	2.5	10
2-Methylnaphthalene	10	U	3.0	10
Hexachlorobenzene	1.0	U	0.29	1.0
Hexachlorocyclopentadiene	10	U	1.7	10
2,4,6-Trichlorophenol	10	U	2.4	10
2,4,5-Trichlorophenol	10	U	2.6	10
Diphenyl	10	U	2.8	10
2-Chloronaphthalene	10	U	2.7	10
2-Nitroaniline	20	U	4.9	20
2,6-Dinitrotoluene	2.0	U	0.61	2.0
Dimethyl phthalate	10	U	2.8	10
Acenaphthylene	10	U	2.7	10
3-Nitroaniline	20	U	5.0	20
Acenaphthene	10	U	2.7	10
4-Nitrophenol	30	U	6.7	30
2,4-Dinitrophenol	30	U	5.4	30
Dibenzofuran	10	U	2.8	10
Diethyl phthalate	10	U	2.9	10
Fluorene	10	U	2.8	10
Fluoranthene	10	U	3.2	10
Di-n-butyl phthalate	10	U	2.9	10
2,4-Dinitrotoluene	2.0	U	0.47	2.0
4-Chlorophenyl phenyl ether	10	U	2.5	10
4-Nitroaniline	20	U	5.8	20
4,6-Dinitro-2-methylphenol	30	U	4.7	30

Client: FPM Group Limited

Job Number: 460-50248-1

Method Blank - Batch: 460-146006

Method: 8270C
Preparation: 3510C

Lab Sample ID:	MB 460-146006/1-A	Analysis Batch:	460-146614	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-146006	Lab File ID:	z18130.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 0913	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
4-Bromophenyl phenyl ether	10	U	2.5	10
Atrazine	10	U	3.0	10
Anthracene	10	U	2.8	10
Carbazole	10	U	3.2	10
Phenanthrene	10	U	3.1	10
Pentachlorophenol	30	U	5.3	30
Pyrene	10	U	2.9	10
Chrysene	10	U	3.1	10
Benzo[k]fluoranthene	1.0	U	0.26	1.0
Benzo[g,h,i]perylene	10	U	2.0	10
Benzo[b]fluoranthene	1.0	U	0.26	1.0
Benzo[a]pyrene	1.0	U	0.14	1.0
Benzo[a]anthracene	1.0	U	0.27	1.0
N-Nitrosodiphenylamine	10	U	2.9	10
Butyl benzyl phthalate	10	U	2.5	10
Bis(2-ethylhexyl) phthalate	10	U	2.0	10
Di-n-octyl phthalate	10	U	1.5	10
Indeno[1,2,3-cd]pyrene	1.0	U	0.15	1.0
Dibenz(a,h)anthracene	1.0	U	0.090	1.0
3,3'-Dichlorobenzidine	20	U	4.9	20
1,2,4,5-Tetrachlorobenzene	10	U	2.6	10
2,3,4,6-Tetrachlorophenol	10	U	2.5	10

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	101	56 - 112
Phenol-d5	37	10 - 48
Terphenyl-d14	102	50 - 122
2,4,6-Tribromophenol	64	46 - 122
2-Fluorophenol	59	10 - 65
2-Fluorobiphenyl	91	53 - 108

Client: FPM Group Limited

Job Number: 460-50248-1

Lab Control Sample - Batch: 460-146006

Method: 8270C
Preparation: 3510C

Lab Sample ID:	LCS 460-146006/2-A	Analysis Batch:	460-146614	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-146006	Lab File ID:	z18129.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 0850	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenol	100	33.6	34	12 - 44	
2-Chlorophenol	100	84.2	84	53 - 101	
2-Methylphenol	100	68.4	68	40 - 90	
4-Methylphenol	100	60.8	61	30 - 75	
Benzaldehyde	100	171	171	52 - 150	*
Acetophenone	100	90.0	90	68 - 109	
Bis(2-chloroethyl)ether	100	95.5	96	62 - 108	
2,2'-oxybis[1-chloropropane]	100	106	106	68 - 107	
N-Nitrosodi-n-propylamine	100	99.8	100	70 - 109	
Nitrobenzene	100	89.6	90	66 - 106	
Hexachloroethane	100	84.3	84	50 - 99	
Isophorone	100	89.3	89	68 - 108	
2-Nitrophenol	100	94.4	94	65 - 107	
2,4-Dimethylphenol	100	79.4	79	55 - 100	
2,4-Dichlorophenol	100	87.0	87	64 - 107	
Bis(2-chloroethoxy)methane	100	97.3	97	69 - 108	
Naphthalene	100	86.6	87	63 - 101	
4-Chloroaniline	100	78.8	79	58 - 105	
Hexachlorobutadiene	100	78.4	78	52 - 99	
Caprolactam	100	20.6	21	10 - 30	
4-Chloro-3-methylphenol	100	76.4	76	57 - 106	
2-Methylnaphthalene	100	85.0	85	66 - 102	
Hexachlorobenzene	100	95.4	95	65 - 107	
Hexachlorocyclopentadiene	100	55.7	56	40 - 105	
2,4,6-Trichlorophenol	100	90.2	90	67 - 111	
2,4,5-Trichlorophenol	100	85.0	85	67 - 114	
Diphenyl	100	89.4	89	66 - 112	
2-Chloronaphthalene	100	90.8	91	65 - 107	
2-Nitroaniline	100	85.4	85	73 - 116	
2,6-Dinitrotoluene	100	89.2	89	68 - 114	
Dimethyl phthalate	100	93.8	94	69 - 111	
Acenaphthylene	100	88.4	88	67 - 107	
3-Nitroaniline	100	79.1	79	59 - 108	
Acenaphthene	100	90.4	90	66 - 108	
4-Nitrophenol	100	17.0	17	10 - 44	J
2,4-Dinitrophenol	100	48.7	49	19 - 113	
Dibenzofuran	100	87.1	87	68 - 105	
Diethyl phthalate	100	90.6	91	66 - 109	
Fluorene	100	85.2	85	68 - 105	
Fluoranthene	100	84.0	84	68 - 108	
Di-n-butyl phthalate	100	96.9	97	68 - 111	
2,4-Dinitrotoluene	100	81.9	82	65 - 113	
4-Chlorophenyl phenyl ether	100	86.8	87	68 - 105	
4-Nitroaniline	100	69.3	69	49 - 119	
4,6-Dinitro-2-methylphenol	100	81.9	82	58 - 115	
4-Bromophenyl phenyl ether	100	98.2	98	66 - 110	

Client: FPM Group Limited

Job Number: 460-50248-1

Lab Control Sample - Batch: 460-146006

Method: 8270C
Preparation: 3510C

Lab Sample ID:	LCS 460-146006/2-A	Analysis Batch:	460-146614	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-146006	Lab File ID:	z18129.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 0850	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Atrazine	100	69.3	69	56 - 116	
Anthracene	100	89.5	89	68 - 108	
Carbazole	100	81.4	81	67 - 110	
Phenanthrene	100	90.3	90	68 - 110	
Pentachlorophenol	100	70.0	70	55 - 116	
Pyrene	100	88.8	89	61 - 110	
Chrysene	100	95.0	95	68 - 112	
Benzo[k]fluoranthene	100	89.6	90	66 - 114	
Benzo[g,h,i]perylene	100	114	114	65 - 134	
Benzo[b]fluoranthene	100	80.2	80	65 - 111	
Benzo[a]pyrene	100	89.8	90	58 - 101	
Benzo[a]anthracene	100	88.2	88	65 - 106	
N-Nitrosodiphenylamine	100	101	101	71 - 121	
Butyl benzyl phthalate	100	95.7	96	66 - 115	
Bis(2-ethylhexyl) phthalate	100	98.6	99	66 - 114	
Di-n-octyl phthalate	100	76.1	76	51 - 115	
Indeno[1,2,3-cd]pyrene	100	91.5	91	68 - 121	
Dibenz(a,h)anthracene	100	105	105	67 - 124	
3,3'-Dichlorobenzidine	100	114	114	69 - 129	
1,2,4,5-Tetrachlorobenzene	100	81.3	81	70 - 130	
2,3,4,6-Tetrachlorophenol	100	76.7	77	70 - 130	

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	89	56 - 112
Phenol-d5	28	10 - 48
Terphenyl-d14	85	50 - 122
2,4,6-Tribromophenol	73	46 - 122
2-Fluorophenol	47	10 - 65
2-Fluorobiphenyl	85	53 - 108

Client: FPM Group Limited

Job Number: 460-50248-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-146006

Method: 8270C
Preparation: 3510C

MS Lab Sample ID:	460-50248-2	Analysis Batch:	460-146614	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-146006	Lab File ID:	z18131.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 0936			Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-50248-2	Analysis Batch:	460-146614	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-146006	Lab File ID:	z18132.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 0959			Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenol	32	38	12 - 44	19	30		
2-Chlorophenol	85	89	53 - 101	4	30		
2-Methylphenol	68	75	40 - 90	10	30		
4-Methylphenol	59	68	30 - 75	13	30		
Benzaldehyde	169	159	52 - 150	6	30	*	*
Acetophenone	93	93	68 - 109	0	30		
Bis(2-chloroethyl)ether	97	98	62 - 108	1	30		
2,2'-oxybis[1-chloropropane]	110	110	68 - 107	0	30	*	*
N-Nitrosodi-n-propylamine	103	104	70 - 109	1	30		
Nitrobenzene	93	90	66 - 106	3	30		
Hexachloroethane	90	90	50 - 99	0	30		
Isophorone	93	92	68 - 108	1	30		
2-Nitrophenol	98	99	65 - 107	0	30		
2,4-Dimethylphenol	89	89	55 - 100	1	30		
2,4-Dichlorophenol	90	91	64 - 107	1	30		
Bis(2-chloroethoxy)methane	103	100	69 - 108	2	30		
Naphthalene	91	89	63 - 101	2	30		
4-Chloroaniline	80	75	58 - 105	7	30		
Hexachlorobutadiene	84	83	52 - 99	2	30		
Caprolactam	19	23	10 - 30	21	30		
4-Chloro-3-methylphenol	80	84	57 - 106	5	30		
2-Methylnaphthalene	91	90	66 - 102	1	30		
Hexachlorobenzene	100	96	65 - 107	4	30		
Hexachlorocyclopentadiene	60	63	40 - 105	4	30		
2,4,6-Trichlorophenol	94	92	67 - 111	2	30		
2,4,5-Trichlorophenol	90	89	67 - 114	1	30		
Diphenyl	93	91	66 - 112	3	30		
2-Chloronaphthalene	95	92	65 - 107	2	30		
2-Nitroaniline	86	87	73 - 116	0	30		
2,6-Dinitrotoluene	95	95	68 - 114	1	30		
Dimethyl phthalate	98	99	69 - 111	1	30		
Acenaphthylene	92	91	67 - 107	1	30		
3-Nitroaniline	76	79	59 - 108	3	30		

Client: FPM Group Limited

Job Number: 460-50248-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-146006

Method: 8270C
Preparation: 3510C

MS Lab Sample ID:	460-50248-2	Analysis Batch:	460-146614	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-146006	Lab File ID:	z18131.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 0936			Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-50248-2	Analysis Batch:	460-146614	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-146006	Lab File ID:	z18132.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 0959			Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	93	94	66 - 108	0	30		
4-Nitrophenol	18	25	10 - 44	35	30	J	J *
2,4-Dinitrophenol	69	76	19 - 113	10	30		
Dibenzofuran	91	90	68 - 105	1	30		
Diethyl phthalate	95	96	66 - 109	0	30		
Fluorene	88	88	68 - 105	1	30		
Fluoranthene	87	85	68 - 108	3	30		
Di-n-butyl phthalate	99	97	68 - 111	2	30		
2,4-Dinitrotoluene	87	89	65 - 113	3	30		
4-Chlorophenyl phenyl ether	89	90	68 - 105	1	30		
4-Nitroaniline	70	74	49 - 119	6	30		
4,6-Dinitro-2-methylphenol	101	101	58 - 115	1	30		
4-Bromophenyl phenyl ether	103	98	66 - 110	4	30		
Atrazine	62	61	56 - 116	1	30		
Anthracene	92	89	68 - 108	3	30		
Carbazole	84	82	67 - 110	2	30		
Phenanthrene	96	93	68 - 110	3	30		
Pentachlorophenol	89	91	55 - 116	2	30		
Pyrene	91	88	61 - 110	3	30		
Chrysene	98	95	68 - 112	3	30		
Benzo[k]fluoranthene	93	86	66 - 114	8	30		
Benzo[g,h,i]perylene	122	110	65 - 134	10	30		
Benzo[b]fluoranthene	83	87	65 - 111	4	30		
Benzo[a]pyrene	95	91	58 - 101	4	30		
Benzo[a]anthracene	93	90	65 - 106	3	30		
N-Nitrosodiphenylamine	109	104	71 - 121	4	30		
Butyl benzyl phthalate	98	96	66 - 115	2	30		
Bis(2-ethylhexyl) phthalate	101	99	66 - 114	2	30		
Di-n-octyl phthalate	81	83	51 - 115	2	30		
Indeno[1,2,3-cd]pyrene	107	97	68 - 121	9	30		
Dibenz(a,h)anthracene	113	105	67 - 124	8	30		
3,3'-Dichlorobenzidine	70	60	69 - 129	16	30		*
1,2,4,5-Tetrachlorobenzene	85	81	70 - 130	5	30		

Client: FPM Group Limited

Job Number: 460-50248-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-146006

Method: 8270C
Preparation: 3510C

MS Lab Sample ID:	460-50248-2	Analysis Batch:	460-146614	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-146006	Lab File ID:	z18131.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 0936			Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-50248-2	Analysis Batch:	460-146614	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-146006	Lab File ID:	z18132.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 0959			Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,3,4,6-Tetrachlorophenol	81	85	70 - 130	5	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Nitrobenzene-d5	94	91	56 - 112
Phenol-d5	26	33	10 - 48
Terphenyl-d14	79	78	50 - 122
2,4,6-Tribromophenol	79	80	46 - 122
2-Fluorophenol	44	53	10 - 65
2-Fluorobiphenyl	89	87	53 - 108

Client: FPM Group Limited

Job Number: 460-50248-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-146006

Method: 8270C
Preparation: 3510C

MS Lab Sample ID:	460-50248-2	Units:	ug/L	MSD Lab Sample ID:	460-50248-2
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	02/08/2013 0936			Analysis Date:	02/08/2013 0959
Prep Date:	02/05/2013 0801			Prep Date:	02/05/2013 0801
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Phenol	10	U	100	100	31.5		38.1	
2-Chlorophenol	10	U	100	100	85.1		88.8	
2-Methylphenol	10	U	100	100	68.0		75.1	
4-Methylphenol	10	U	100	100	59.5		67.7	
Benzaldehyde	10	U	100	100	169	*	159	*
Acetophenone	10	U	100	100	93.0		93.0	
Bis(2-chloroethyl)ether	1.0	U	100	100	97.1		98.2	
2,2'-oxybis[1-chloropropane]	10	U	100	100	110	*	110	*
N-Nitrosodi-n-propylamine	1.0	U	100	100	103		104	
Nitrobenzene	1.0	U	100	100	93.2		90.4	
Hexachloroethane	1.0	U	100	100	89.7		90.0	
Isophorone	10	U	100	100	92.9		92.0	
2-Nitrophenol	10	U	100	100	98.3		98.5	
2,4-Dimethylphenol	10	U	100	100	88.8		89.5	
2,4-Dichlorophenol	10	U	100	100	89.8		90.5	
Bis(2-chloroethoxy)methane	10	U	100	100	103		100	
Naphthalene	10	U	100	100	91.2		89.0	
4-Chloroaniline	10	U	100	100	79.6		74.5	
Hexachlorobutadiene	2.0	U	100	100	84.1		82.6	
Caprolactam	10	U	100	100	18.8		23.2	
4-Chloro-3-methylphenol	10	U	100	100	79.7		83.7	
2-Methylnaphthalene	10	U	100	100	90.7		89.9	
Hexachlorobenzene	1.0	U	100	100	100		96.3	
Hexachlorocyclopentadiene	10	U	100	100	60.1		62.5	
2,4,6-Trichlorophenol	10	U	100	100	94.0		92.5	
2,4,5-Trichlorophenol	10	U	100	100	90.0		89.4	
Diphenyl	10	U	100	100	93.2		90.8	
2-Chloronaphthalene	10	U	100	100	94.5		92.2	
2-Nitroaniline	20	U	100	100	86.5		86.6	
2,6-Dinitrotoluene	2.0	U	100	100	94.5		95.4	
Dimethyl phthalate	10	U	100	100	97.6		98.7	
Acenaphthylene	10	U	100	100	92.4		91.3	
3-Nitroaniline	20	U	100	100	76.5		78.6	
Acenaphthene	10	U	100	100	93.5		93.6	
4-Nitrophenol	30	U	100	100	17.7	J	25.2	J *
2,4-Dinitrophenol	30	U	100	100	68.9		76.0	
Dibenzofuran	10	U	100	100	91.2		90.2	
Diethyl phthalate	10	U	100	100	95.2		95.6	
Fluorene	10	U	100	100	88.0		88.5	
Fluoranthene	10	U	100	100	86.9		84.6	
Di-n-butyl phthalate	10	U	100	100	99.1		97.4	
2,4-Dinitrotoluene	2.0	U	100	100	86.6		88.9	
4-Chlorophenyl phenyl ether	10	U	100	100	88.8		89.7	

Client: FPM Group Limited

Job Number: 460-50248-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-146006

Method: 8270C
Preparation: 3510C

MS Lab Sample ID:	460-50248-2	Units:	ug/L	MSD Lab Sample ID:	460-50248-2
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	02/08/2013 0936			Analysis Date:	02/08/2013 0959
Prep Date:	02/05/2013 0801			Prep Date:	02/05/2013 0801
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
4-Nitroaniline	20	U	100	100	69.5	74.0	
4,6-Dinitro-2-methylphenol	30	U	100	100	101	101	
4-Bromophenyl phenyl ether	10	U	100	100	103	98.5	
Atrazine	10	U	100	100	61.9	61.2	
Anthracene	10	U	100	100	92.0	89.2	
Carbazole	10	U	100	100	83.7	82.2	
Phenanthrene	10	U	100	100	96.0	93.0	
Pentachlorophenol	30	U	100	100	89.0	90.7	
Pyrene	10	U	100	100	91.2	88.3	
Chrysene	10	U	100	100	97.5	95.0	
Benzo[k]fluoranthene	0.64	J	100	100	93.5	86.3	
Benzo[g,h,i]perylene	2.2	J	100	100	124	112	
Benzo[b]fluoranthene	0.74	J	100	100	84.0	87.3	
Benzo[a]pyrene	0.88	J	100	100	95.7	92.2	
Benzo[a]anthracene	1.0	U	100	100	92.5	90.2	
N-Nitrosodiphenylamine	10	U	100	100	109	104	
Butyl benzyl phthalate	10	U	100	100	98.1	96.0	
Bis(2-ethylhexyl) phthalate	10	U	100	100	101	99.1	
Di-n-octyl phthalate	10	U	100	100	81.0	82.9	
Indeno[1,2,3-cd]pyrene	1.4		100	100	108	98.8	
Dibenz(a,h)anthracene	1.6		100	100	115	107	
3,3'-Dichlorobenzidine	20	U	100	100	70.1	59.6	*
1,2,4,5-Tetrachlorobenzene	10	U	100	100	85.2	81.3	
2,3,4,6-Tetrachlorophenol	10	U	100	100	80.8	85.4	

Client: FPM Group Limited

Job Number: 460-50248-1

Method Blank - Batch: 460-146378

Method: 8270C
Preparation: 3510C

Lab Sample ID:	MB 460-146378/1-A	Analysis Batch:	460-146806	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-146378	Lab File ID:	z18185.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	02/10/2013 0725	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	02/07/2013 1133			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Phenol	10	U	0.81	10
2-Chlorophenol	10	U	2.2	10
2-Methylphenol	10	U	1.8	10
4-Methylphenol	10	U	1.6	10
Benzaldehyde	10	U	2.0	10
Acetophenone	10	U	2.7	10
Bis(2-chloroethyl)ether	1.0	U	0.28	1.0
2,2'-oxybis[1-chloropropane]	10	U	2.0	10
N-Nitrosodi-n-propylamine	1.0	U	0.25	1.0
Nitrobenzene	1.0	U	0.30	1.0
Hexachloroethane	1.0	U	0.25	1.0
Isophorone	10	U	2.7	10
2-Nitrophenol	10	U	2.4	10
2,4-Dimethylphenol	10	U	3.4	10
2,4-Dichlorophenol	10	U	2.6	10
Bis(2-chloroethoxy)methane	10	U	2.6	10
Naphthalene	10	U	2.7	10
4-Chloroaniline	10	U	2.0	10
Hexachlorobutadiene	2.0	U	0.57	2.0
Caprolactam	10	U	2.5	10
4-Chloro-3-methylphenol	10	U	2.5	10
2-Methylnaphthalene	10	U	3.0	10
Hexachlorobenzene	1.0	U	0.29	1.0
Hexachlorocyclopentadiene	10	U	1.7	10
2,4,6-Trichlorophenol	10	U	2.4	10
2,4,5-Trichlorophenol	10	U	2.6	10
Diphenyl	10	U	2.8	10
2-Chloronaphthalene	10	U	2.7	10
2-Nitroaniline	20	U	4.9	20
2,6-Dinitrotoluene	2.0	U	0.61	2.0
Dimethyl phthalate	10	U	2.8	10
Acenaphthylene	10	U	2.7	10
3-Nitroaniline	20	U	5.0	20
Acenaphthene	10	U	2.7	10
4-Nitrophenol	30	U	6.7	30
2,4-Dinitrophenol	30	U	5.4	30
Dibenzofuran	10	U	2.8	10
Diethyl phthalate	10	U	2.9	10
Fluorene	10	U	2.8	10
Fluoranthene	10	U	3.2	10
Di-n-butyl phthalate	10	U	2.9	10
2,4-Dinitrotoluene	2.0	U	0.47	2.0
4-Chlorophenyl phenyl ether	10	U	2.5	10
4-Nitroaniline	20	U	5.8	20
4,6-Dinitro-2-methylphenol	30	U	4.7	30

Client: FPM Group Limited

Job Number: 460-50248-1

Method Blank - Batch: 460-146378

Method: 8270C
Preparation: 3510C

Lab Sample ID:	MB 460-146378/1-A	Analysis Batch:	460-146806	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-146378	Lab File ID:	z18185.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	02/10/2013 0725	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	02/07/2013 1133			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
4-Bromophenyl phenyl ether	10	U	2.5	10
Atrazine	10	U	3.0	10
Anthracene	10	U	2.8	10
Carbazole	10	U	3.2	10
Phenanthrene	10	U	3.1	10
Pentachlorophenol	30	U	5.3	30
Pyrene	10	U	2.9	10
Chrysene	10	U	3.1	10
Benzo[k]fluoranthene	1.0	U	0.26	1.0
Benzo[g,h,i]perylene	10	U	2.0	10
Benzo[b]fluoranthene	1.0	U	0.26	1.0
Benzo[a]pyrene	1.0	U	0.14	1.0
Benzo[a]anthracene	1.0	U	0.27	1.0
N-Nitrosodiphenylamine	10	U	2.9	10
Butyl benzyl phthalate	10	U	2.5	10
Bis(2-ethylhexyl) phthalate	10	U	2.0	10
Di-n-octyl phthalate	10	U	1.5	10
Indeno[1,2,3-cd]pyrene	1.0	U	0.15	1.0
Dibenz(a,h)anthracene	1.0	U	0.090	1.0
3,3'-Dichlorobenzidine	20	U	4.9	20
1,2,4,5-Tetrachlorobenzene	10	U	2.6	10
2,3,4,6-Tetrachlorophenol	10	U	2.5	10

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	80	56 - 112
Phenol-d5	21	10 - 48
Terphenyl-d14	75	50 - 122
2,4,6-Tribromophenol	71	46 - 122
2-Fluorophenol	36	10 - 65
2-Fluorobiphenyl	75	53 - 108

Client: FPM Group Limited

Job Number: 460-50248-1

Lab Control Sample - Batch: 460-146378

Method: 8270C
Preparation: 3510C

Lab Sample ID:	LCS 460-146378/2-A	Analysis Batch:	460-146806	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-146378	Lab File ID:	z18186.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	02/10/2013 0747	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	02/07/2013 1133			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenol	100	22.8	23	12 - 44	
2-Chlorophenol	100	68.7	69	53 - 101	
2-Methylphenol	100	54.6	55	40 - 90	
4-Methylphenol	100	46.8	47	30 - 75	
Benzaldehyde	100	126	126	52 - 150	
Acetophenone	100	72.0	72	68 - 109	
Bis(2-chloroethyl)ether	100	78.3	78	62 - 108	
2,2'-oxybis[1-chloropropane]	100	84.1	84	68 - 107	
N-Nitrosodi-n-propylamine	100	79.2	79	70 - 109	
Nitrobenzene	100	71.2	71	66 - 106	
Hexachloroethane	100	70.9	71	50 - 99	
Isophorone	100	73.5	73	68 - 108	
2-Nitrophenol	100	75.3	75	65 - 107	
2,4-Dimethylphenol	100	68.3	68	55 - 100	
2,4-Dichlorophenol	100	75.0	75	64 - 107	
Bis(2-chloroethoxy)methane	100	76.2	76	69 - 108	
Naphthalene	100	70.4	70	63 - 101	
4-Chloroaniline	100	67.0	67	58 - 105	
Hexachlorobutadiene	100	65.9	66	52 - 99	
Caprolactam	100	11.8	12	10 - 30	
4-Chloro-3-methylphenol	100	69.8	70	57 - 106	
2-Methylnaphthalene	100	70.4	70	66 - 102	
Hexachlorobenzene	100	71.1	71	65 - 107	
Hexachlorocyclopentadiene	100	54.0	54	40 - 105	
2,4,6-Trichlorophenol	100	73.8	74	67 - 111	
2,4,5-Trichlorophenol	100	76.4	76	67 - 114	
Diphenyl	100	68.7	69	66 - 112	
2-Chloronaphthalene	100	71.2	71	65 - 107	
2-Nitroaniline	100	70.2	70	73 - 116	*
2,6-Dinitrotoluene	100	74.6	75	68 - 114	
Dimethyl phthalate	100	76.3	76	69 - 111	
Acenaphthylene	100	72.0	72	67 - 107	
3-Nitroaniline	100	72.5	73	59 - 108	
Acenaphthene	100	72.0	72	66 - 108	
4-Nitrophenol	100	16.9	17	10 - 44	J
2,4-Dinitrophenol	100	47.3	47	19 - 113	
Dibenzofuran	100	70.1	70	68 - 105	
Diethyl phthalate	100	77.0	77	66 - 109	
Fluorene	100	71.5	71	68 - 105	
Fluoranthene	100	72.0	72	68 - 108	
Di-n-butyl phthalate	100	77.1	77	68 - 111	
2,4-Dinitrotoluene	100	72.1	72	65 - 113	
4-Chlorophenyl phenyl ether	100	72.3	72	68 - 105	
4-Nitroaniline	100	70.5	71	49 - 119	
4,6-Dinitro-2-methylphenol	100	69.0	69	58 - 115	
4-Bromophenyl phenyl ether	100	73.5	74	66 - 110	

Client: FPM Group Limited

Job Number: 460-50248-1

Lab Control Sample - Batch: 460-146378

Method: 8270C
Preparation: 3510C

Lab Sample ID:	LCS 460-146378/2-A	Analysis Batch:	460-146806	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-146378	Lab File ID:	z18186.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	02/10/2013 0747	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	02/07/2013 1133			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Atrazine	100	64.3	64	56 - 116	
Anthracene	100	71.9	72	68 - 108	
Carbazole	100	73.5	74	67 - 110	
Phenanthrene	100	72.4	72	68 - 110	
Pentachlorophenol	100	69.6	70	55 - 116	
Pyrene	100	71.1	71	61 - 110	
Chrysene	100	77.6	78	68 - 112	
Benzo[k]fluoranthene	100	66.7	67	66 - 114	
Benzo[g,h,i]perylene	100	85.1	85	65 - 134	
Benzo[b]fluoranthene	100	69.4	69	65 - 111	
Benzo[a]pyrene	100	73.5	74	58 - 101	
Benzo[a]anthracene	100	71.9	72	65 - 106	
N-Nitrosodiphenylamine	100	78.3	78	71 - 121	
Butyl benzyl phthalate	100	76.1	76	66 - 115	
Bis(2-ethylhexyl) phthalate	100	74.6	75	66 - 114	
Di-n-octyl phthalate	100	60.8	61	51 - 115	
Indeno[1,2,3-cd]pyrene	100	76.8	77	68 - 121	
Dibenz(a,h)anthracene	100	80.4	80	67 - 124	
3,3'-Dichlorobenzidine	100	89.1	89	69 - 129	
1,2,4,5-Tetrachlorobenzene	100	62.2	62	70 - 130	*
2,3,4,6-Tetrachlorophenol	100	70.2	70	70 - 130	

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	71	56 - 112
Phenol-d5	19	10 - 48
Terphenyl-d14	69	50 - 122
2,4,6-Tribromophenol	70	46 - 122
2-Fluorophenol	33	10 - 65
2-Fluorobiphenyl	67	53 - 108

Client: FPM Group Limited

Job Number: 460-50248-1

Method Blank - Batch: 460-145805

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 460-145805/1-A	Analysis Batch:	460-145902	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-145805	Lab File ID:	02042013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	02/04/2013 1125	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	02/03/2013 1310				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	200	U	72.1	200
Antimony	10.0	U	7.4	10.0
Arsenic	5.0	U	3.7	5.0
Barium	200	U	5.9	200
Beryllium	2.0	U	0.78	2.0
Cadmium	5.0	U	0.82	5.0
Calcium	5000	U	305	5000
Chromium	10.0	U	4.5	10.0
Cobalt	50.0	U	4.3	50.0
Copper	25.0	U	7.8	25.0
Iron	150	U	73.6	150
Lead	5.0	U	4.0	5.0
Magnesium	5000	U	321	5000
Manganese	15.0	U	4.3	15.0
Nickel	40.0	U	5.0	40.0
Potassium	5000	U	525	5000
Selenium	10.0	U	5.8	10.0
Silver	10.0	U	1.3	10.0
Sodium	5000	U	821	5000
Thallium	10.0	U	5.2	10.0
Vanadium	50.0	U	4.0	50.0
Zinc	30.0	U	5.8	30.0

Client: FPM Group Limited

Job Number: 460-50248-1

Lab Control Sample - Batch: 460-145805

Method: 6010B
Preparation: 3010A

Lab Sample ID:	LCS 460-145805/2-A	Analysis Batch:	460-145902	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-145805	Lab File ID:	02042013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	02/04/2013 1114	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	02/03/2013 1310				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	2000	2007	100	80 - 120	
Antimony	500	430.5	86	80 - 120	
Arsenic	2000	1792	90	80 - 120	
Barium	2000	1918	96	80 - 120	
Beryllium	50.0	48.36	97	80 - 120	
Cadmium	50.0	46.94	94	80 - 120	
Calcium	20000	20880	104	80 - 120	
Chromium	200	194.2	97	80 - 120	
Cobalt	500	471.2	94	80 - 120	
Copper	250	234.8	94	80 - 120	
Iron	1000	997.0	100	80 - 120	
Lead	500	480.7	96	80 - 120	
Magnesium	20000	18970	95	80 - 120	
Manganese	500	486.3	97	80 - 120	
Nickel	500	478.9	96	80 - 120	
Potassium	20000	19330	97	80 - 120	
Selenium	2000	1787	89	80 - 120	
Silver	50.0	49.32	99	80 - 120	
Sodium	20000	19870	99	80 - 120	
Thallium	2000	1999	100	80 - 120	
Vanadium	500	472.7	95	80 - 120	
Zinc	500	470.7	94	80 - 120	

Client: FPM Group Limited

Job Number: 460-50248-1

Matrix Spike - Batch: 460-145805

Method: 6010B
Preparation: 3010A

Lab Sample ID:	460-50248-2	Analysis Batch:	460-145902	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-145805	Lab File ID:	02042013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	02/04/2013 1104	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	02/03/2013 1310				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	U	2000	1996	100	75 - 125	
Antimony	10.0	U	500	430.7	86	75 - 125	
Arsenic	4.8	J	2000	1818	91	75 - 125	
Barium	30.6	J	2000	1953	96	75 - 125	
Beryllium	2.0	U	50.0	48.00	96	75 - 125	
Cadmium	5.0	U	50.0	46.40	93	75 - 125	
Calcium	9770		20000	30470	104	75 - 125	
Chromium	10.0	U	200	197.5	99	75 - 125	
Cobalt	50.0	U	500	473.0	95	75 - 125	
Copper	25.0	U	250	237.4	95	75 - 125	
Iron	27100		1000	28610	148	75 - 125	4
Lead	5.0	U	500	479.9	96	75 - 125	
Magnesium	2420	J	20000	21600	96	75 - 125	
Manganese	390		500	874.8	97	75 - 125	
Nickel	40.0	U	500	479.6	96	75 - 125	
Potassium	2130	J	20000	21250	96	75 - 125	
Selenium	10.0	U	2000	1767	88	75 - 125	
Silver	10.0	U	50.0	49.86	100	75 - 125	
Sodium	21500		20000	41340	99	75 - 125	
Thallium	10.0	U	2000	1977	99	75 - 125	
Vanadium	50.0	U	500	479.1	96	75 - 125	
Zinc	30.0	U	500	472.9	95	75 - 125	

Post Digestion Spike - Batch: 460-145805

Method: 6010B
Preparation: 3010A

Lab Sample ID:	460-50248-2	Analysis Batch:	460-145902	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-145805	Lab File ID:	02042013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	02/04/2013 1107	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	02/03/2013 1310				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	U	2000	1939	97	75 - 125	
Antimony	10.0	U	500	418.7	84	75 - 125	
Arsenic	4.8	J	2000	1770	88	75 - 125	
Barium	30.6	J	2000	1889	93	75 - 125	
Beryllium	2.0	U	50.0	46.48	93	75 - 125	

Client: FPM Group Limited

Job Number: 460-50248-1

Post Digestion Spike - Batch: 460-145805

Method: 6010B
Preparation: 3010A

Lab Sample ID:	460-50248-2	Analysis Batch:	460-145902	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-145805	Lab File ID:	02042013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	02/04/2013 1107	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	02/03/2013 1310				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	5.0	U	50.0	44.66	89	75 - 125	
Calcium	9770		20000	29500	99	75 - 125	
Chromium	10.0	U	200	192.0	96	75 - 125	
Cobalt	50.0	U	500	458.3	92	75 - 125	
Copper	25.0	U	250	230.8	92	75 - 125	
Iron	27100		1000	27630	NC	75 - 125	
Lead	5.0	U	500	462.2	92	75 - 125	
Magnesium	2420	J	20000	20940	93	75 - 125	
Manganese	390		500	851.5	92	75 - 125	
Nickel	40.0	U	500	464.5	93	75 - 125	
Potassium	2130	J	20000	20620	92	75 - 125	
Selenium	10.0	U	2000	1743	87	75 - 125	
Silver	10.0	U	50.0	47.58	95	75 - 125	
Sodium	21500		20000	39950	92	75 - 125	
Thallium	10.0	U	2000	1915	96	75 - 125	
Vanadium	50.0	U	500	464.0	93	75 - 125	
Zinc	30.0	U	500	457.7	92	75 - 125	

Duplicate - Batch: 460-145805

Method: 6010B
Preparation: 3010A

Lab Sample ID:	460-50248-2	Analysis Batch:	460-145902	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-145805	Lab File ID:	02042013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	02/04/2013 1052	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	02/03/2013 1310				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	200	U	200	NC	20	U
Antimony	10.0	U	10.0	NC	20	U
Arsenic	4.8	J	6.87	35	20	
Barium	30.6	J	31.29	2	20	J
Beryllium	2.0	U	2.0	NC	20	U
Cadmium	5.0	U	5.0	NC	20	U
Calcium	9770		9791	0.2	20	
Chromium	10.0	U	10.0	NC	20	U
Cobalt	50.0	U	50.0	NC	20	U
Copper	25.0	U	25.0	NC	20	U
Iron	27100		27750	2	20	
Lead	5.0	U	5.0	NC	20	U
Magnesium	2420	J	2472	2	20	J
Manganese	390		396.0	2	20	
Nickel	40.0	U	40.0	NC	20	U
Potassium	2130	J	2146	1	20	J
Selenium	10.0	U	10.0	NC	20	U
Silver	10.0	U	10.0	NC	20	U
Sodium	21500		21710	0.9	20	
Thallium	10.0	U	10.0	NC	20	U
Vanadium	50.0	U	50.0	NC	20	U
Zinc	30.0	U	30.0	NC	20	U

Serial Dilution - Batch: 460-145805

Method: 6010B
Preparation: 3010A

Lab Sample ID:	460-50248-2	Analysis Batch:	460-145902	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-145805	Lab File ID:	02042013.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	02/04/2013 1100	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	02/03/2013 1310				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	200	U	1000	NC	10	U
Antimony	10.0	U	50.0	NC	10	U
Arsenic	4.8	J	25.0	NC	10	U
Barium	30.6	J	30.48	NC	10	J
Beryllium	2.0	U	10.0	NC	10	U
Cadmium	5.0	U	25.0	NC	10	U
Calcium	9770		9650	NC	10	J

Client: FPM Group Limited

Job Number: 460-50248-1

Serial Dilution - Batch: 460-145805

Method: 6010B
Preparation: 3010A

Lab Sample ID:	460-50248-2	Analysis Batch:	460-145902	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-145805	Lab File ID:	02042013.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	02/04/2013 1100	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	02/03/2013 1310				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Chromium	10.0	U	50.0	NC	10	U
Cobalt	50.0	U	250	NC	10	U
Copper	25.0	U	125	NC	10	U
Iron	27100		27160	0.11	10	
Lead	5.0	U	25.0	NC	10	U
Magnesium	2420	J	2456	NC	10	J
Manganese	390		387.6	0.51	10	
Nickel	40.0	U	200	NC	10	U
Potassium	2130	J	25000	NC	10	U
Selenium	10.0	U	50.0	NC	10	U
Silver	10.0	U	50.0	NC	10	U
Sodium	21500		21600	NC	10	J
Thallium	10.0	U	50.0	NC	10	U
Vanadium	50.0	U	250	NC	10	U
Zinc	30.0	U	150	NC	10	U

Client: FPM Group Limited

Job Number: 460-50248-1

Method Blank - Batch: 460-145903

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 460-145903/1-A	Analysis Batch:	460-145961	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-145903	Lab File ID:	145903.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	02/04/2013 1430	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	02/04/2013 1253				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.16	0.20

Lab Control Sample - Batch: 460-145903

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 460-145903/2-A	Analysis Batch:	460-145961	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-145903	Lab File ID:	145903.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	02/04/2013 1432	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	02/04/2013 1253				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	1.00	100	80 - 120	

Matrix Spike - Batch: 460-145903

Method: 7470A
Preparation: 7470A

Lab Sample ID:	460-50248-2	Analysis Batch:	460-145961	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-145903	Lab File ID:	145903.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	02/04/2013 1437	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	02/04/2013 1253				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.20	U	1.00	0.993	99	75 - 125	

Client: FPM Group Limited

Job Number: 460-50248-1

Duplicate - Batch: 460-145903

Method: 7470A
Preparation: 7470A

Lab Sample ID:	460-50248-2	Analysis Batch:	460-145961	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-145903	Lab File ID:	145903.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	02/04/2013 1436	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	02/04/2013 1253				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.20	U	0.20	NC	20	U

Serial Dilution - Batch: 460-145903

Method: 7470A
Preparation: 7470A

Lab Sample ID:	460-50248-2	Analysis Batch:	460-145961	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-145903	Lab File ID:	145903.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	02/04/2013 1504	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	02/04/2013 1253				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Mercury	0.20	U	1.0	NC	10	U

DATA REPORTING QUALIFIERS

Client: FPM Group Limited Job Number: 460-50248-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	MS or MSD exceeds the control limits
	H	Sample was prepped or analyzed beyond the specified holding time
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	*	Duplicate RPD exceeds control limits
	J	Indicates an estimated value.
	*	LCS or LCSD exceeds the control limits
	*	MS or MSD exceeds the control limits
Metals		
	U	Indicates analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Sample result is greater than the MDL but below the CRDL

Client: FPM Group Limited

Job Number: 460-50248-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:460-146197					
LCS 460-146197/3	Lab Control Sample	T	Water	8260B	
MB 460-146197/4	Method Blank	T	Water	8260B	
460-50248-1	MW-7F	T	Water	8260B	
460-50248-2	MW-1	T	Water	8260B	
460-50248-2MS	Matrix Spike	T	Water	8260B	
460-50248-2MSD	Matrix Spike Duplicate	T	Water	8260B	
460-50248-3	MW-3	T	Water	8260B	
460-50248-4	MW-2	T	Water	8260B	
460-50248-5	MW-2D	T	Water	8260B	
460-50248-6	MW-7	T	Water	8260B	
460-50248-7	TRIP BLANK	T	Water	8260B	

Report Basis

T = Total

Client: FPM Group Limited

Job Number: 460-50248-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 460-146006					
LCS 460-146006/2-A	Lab Control Sample	T	Water	3510C	
MB 460-146006/1-A	Method Blank	T	Water	3510C	
460-50248-1	MW-7F	T	Water	3510C	
460-50248-2	MW-1	T	Water	3510C	
460-50248-2MS	Matrix Spike	T	Water	3510C	
460-50248-2MSD	Matrix Spike Duplicate	T	Water	3510C	
460-50248-3	MW-3	T	Water	3510C	
460-50248-4	MW-2	T	Water	3510C	
460-50248-5	MW-2D	T	Water	3510C	
Prep Batch: 460-146378					
LCS 460-146378/2-A	Lab Control Sample	T	Water	3510C	
MB 460-146378/1-A	Method Blank	T	Water	3510C	
460-50248-6	MW-7	T	Water	3510C	
Analysis Batch:460-146614					
LCS 460-146006/2-A	Lab Control Sample	T	Water	8270C	460-146006
MB 460-146006/1-A	Method Blank	T	Water	8270C	460-146006
460-50248-2	MW-1	T	Water	8270C	460-146006
460-50248-2MS	Matrix Spike	T	Water	8270C	460-146006
460-50248-2MSD	Matrix Spike Duplicate	T	Water	8270C	460-146006
Analysis Batch:460-146779					
460-50248-1	MW-7F	T	Water	8270C	460-146006
460-50248-3	MW-3	T	Water	8270C	460-146006
460-50248-4	MW-2	T	Water	8270C	460-146006
460-50248-5	MW-2D	T	Water	8270C	460-146006
Analysis Batch:460-146806					
LCS 460-146378/2-A	Lab Control Sample	T	Water	8270C	460-146378
MB 460-146378/1-A	Method Blank	T	Water	8270C	460-146378
460-50248-6	MW-7	T	Water	8270C	460-146378

Report Basis

T = Total

Client: FPM Group Limited

Job Number: 460-50248-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-145805					
LCS 460-145805/2-A	Lab Control Sample	T	Water	3010A	
MB 460-145805/1-A	Method Blank	T	Water	3010A	
460-50248-1	MW-7F	T	Water	3010A	
460-50248-2	MW-1	T	Water	3010A	
460-50248-2DU	Duplicate	T	Water	3010A	
460-50248-2MS	Matrix Spike	T	Water	3010A	
460-50248-3	MW-3	T	Water	3010A	
460-50248-4	MW-2	T	Water	3010A	
460-50248-5	MW-2D	T	Water	3010A	
460-50248-6	MW-7	T	Water	3010A	
Analysis Batch:460-145902					
LCS 460-145805/2-A	Lab Control Sample	T	Water	6010B	460-145805
MB 460-145805/1-A	Method Blank	T	Water	6010B	460-145805
460-50248-1	MW-7F	T	Water	6010B	460-145805
460-50248-2	MW-1	T	Water	6010B	460-145805
460-50248-2DU	Duplicate	T	Water	6010B	460-145805
460-50248-2MS	Matrix Spike	T	Water	6010B	460-145805
460-50248-3	MW-3	T	Water	6010B	460-145805
460-50248-4	MW-2	T	Water	6010B	460-145805
460-50248-5	MW-2D	T	Water	6010B	460-145805
460-50248-6	MW-7	T	Water	6010B	460-145805
Prep Batch: 460-145903					
LCS 460-145903/2-A	Lab Control Sample	T	Water	7470A	
MB 460-145903/1-A	Method Blank	T	Water	7470A	
460-50248-1	MW-7F	T	Water	7470A	
460-50248-2	MW-1	T	Water	7470A	
460-50248-2DU	Duplicate	T	Water	7470A	
460-50248-2MS	Matrix Spike	T	Water	7470A	
460-50248-3	MW-3	T	Water	7470A	
460-50248-4	MW-2	T	Water	7470A	
460-50248-5	MW-2D	T	Water	7470A	
460-50248-6	MW-7	T	Water	7470A	

Client: FPM Group Limited

Job Number: 460-50248-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-145961					
LCS 460-145903/2-A	Lab Control Sample	T	Water	7470A	460-145903
MB 460-145903/1-A	Method Blank	T	Water	7470A	460-145903
460-50248-1	MW-7F	T	Water	7470A	460-145903
460-50248-2	MW-1	T	Water	7470A	460-145903
460-50248-2DU	Duplicate	T	Water	7470A	460-145903
460-50248-2MS	Matrix Spike	T	Water	7470A	460-145903
460-50248-3	MW-3	T	Water	7470A	460-145903
460-50248-4	MW-2	T	Water	7470A	460-145903
460-50248-5	MW-2D	T	Water	7470A	460-145903
460-50248-6	MW-7	T	Water	7470A	460-145903

Report Basis

T = Total

Client: FPM Group Limited

Job Number: 460-50248-1

Laboratory Chronicle

Lab ID: 460-50248-1 **Client ID:** MW-7F

Sample Date/Time: 01/31/2013 12:30 Received Date/Time: 02/01/2013 14:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-50248-A-1		460-146197		02/06/2013 12:34	1	TAL EDI	KB
A:8260B	460-50248-A-1		460-146197		02/06/2013 12:34	1	TAL EDI	KB
P:3510C	460-50248-E-1-A		460-146779	460-146006	02/05/2013 08:01	1	TAL EDI	HW
A:8270C	460-50248-E-1-A		460-146779	460-146006	02/08/2013 16:06	1	TAL EDI	VR
P:3010A	460-50248-D-1-A		460-145902	460-145805	02/03/2013 13:10	1	TAL EDI	EAE
A:6010B	460-50248-D-1-A		460-145902	460-145805	02/04/2013 11:33	1	TAL EDI	CDC
P:7470A	460-50248-D-1-B		460-145961	460-145903	02/04/2013 12:53	1	TAL EDI	PHP
A:7470A	460-50248-D-1-B		460-145961	460-145903	02/04/2013 14:53	1	TAL EDI	PHP

Lab ID: 460-50248-2 **Client ID:** MW-1

Sample Date/Time: 01/31/2013 10:00 Received Date/Time: 02/01/2013 14:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-50248-A-2		460-146197		02/06/2013 12:58	1	TAL EDI	KB
A:8260B	460-50248-A-2		460-146197		02/06/2013 12:58	1	TAL EDI	KB
P:3510C	460-50248-E-2-B		460-146614	460-146006	02/05/2013 08:01	1	TAL EDI	HW
A:8270C	460-50248-E-2-B		460-146614	460-146006	02/08/2013 02:21	1	TAL EDI	VR
P:3010A	460-50248-D-2-A		460-145902	460-145805	02/03/2013 13:10	1	TAL EDI	EAE
A:6010B	460-50248-D-2-A		460-145902	460-145805	02/04/2013 10:56	1	TAL EDI	CDC
P:7470A	460-50248-D-2-C		460-145961	460-145903	02/04/2013 12:53	1	TAL EDI	PHP
A:7470A	460-50248-D-2-C		460-145961	460-145903	02/04/2013 14:34	1	TAL EDI	PHP

Lab ID: 460-50248-2 **Client ID:** MW-1

Sample Date/Time: 01/31/2013 10:00 Received Date/Time: 02/01/2013 14:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-50248-A-2 MS		460-146197		02/06/2013 14:56	1	TAL EDI	KB
A:8260B	460-50248-A-2 MS		460-146197		02/06/2013 14:56	1	TAL EDI	KB
P:3510C	460-50248-E-2-A MS		460-146614	460-146006	02/05/2013 08:01	1	TAL EDI	HW
A:8270C	460-50248-E-2-A MS		460-146614	460-146006	02/08/2013 09:36	1	TAL EDI	VR
P:3010A	460-50248-D-2-B MS		460-145902	460-145805	02/03/2013 13:10	1	TAL EDI	EAE
A:6010B	460-50248-D-2-B MS		460-145902	460-145805	02/04/2013 11:04	1	TAL EDI	CDC
P:7470A	460-50248-D-2-D MS		460-145961	460-145903	02/04/2013 12:53	1	TAL EDI	PHP
A:7470A	460-50248-D-2-D MS		460-145961	460-145903	02/04/2013 14:37	1	TAL EDI	PHP

Client: FPM Group Limited

Job Number: 460-50248-1

Laboratory Chronicle

Lab ID: 460-50248-2 **Client ID:** MW-1

Sample Date/Time: 01/31/2013 10:00 Received Date/Time: 02/01/2013 14:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-50248-A-2 MSD		460-146197		02/06/2013 15:19	1	TAL EDI	KB
A:8260B	460-50248-A-2 MSD		460-146197		02/06/2013 15:19	1	TAL EDI	KB
P:3510C	460-50248-D-2-E MSD		460-146614	460-146006	02/05/2013 08:01	1	TAL EDI	HW
A:8270C	460-50248-D-2-E MSD		460-146614	460-146006	02/08/2013 09:59	1	TAL EDI	VR

Lab ID: 460-50248-2 **Client ID:** MW-1

Sample Date/Time: 01/31/2013 10:00 Received Date/Time: 02/01/2013 14:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	460-50248-A-2-A DU		460-145902	460-145805	02/03/2013 13:10	1	TAL EDI	EAE
A:6010B	460-50248-A-2-A DU		460-145902	460-145805	02/04/2013 10:52	1	TAL EDI	CDC
P:7470A	460-50248-A-2-B DU		460-145961	460-145903	02/04/2013 12:53	1	TAL EDI	PHP
A:7470A	460-50248-A-2-B DU		460-145961	460-145903	02/04/2013 14:36	1	TAL EDI	PHP

Lab ID: 460-50248-2 SD **Client ID:** MW-1

Sample Date/Time: 01/31/2013 10:00 Received Date/Time: 02/01/2013 14:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	460-50248-D-2-A SD ^5		460-145902	460-145805	02/03/2013 13:10	5	TAL EDI	EAE
A:6010B	460-50248-D-2-A SD ^5		460-145902	460-145805	02/04/2013 11:00	5	TAL EDI	CDC
P:3010A	460-50248-D-2-A PDS		460-145902	460-145805	02/03/2013 13:10	1	TAL EDI	EAE
A:6010B	460-50248-D-2-A PDS		460-145902	460-145805	02/04/2013 11:07	1	TAL EDI	CDC
P:7470A	460-50248-D-2-C SD ^5		460-145961	460-145903	02/04/2013 12:53	5	TAL EDI	PHP
A:7470A	460-50248-D-2-C SD ^5		460-145961	460-145903	02/04/2013 15:04	5	TAL EDI	PHP

Client: FPM Group Limited

Job Number: 460-50248-1

Laboratory Chronicle

Lab ID: 460-50248-3 **Client ID:** MW-3

Sample Date/Time: 01/31/2013 09:45 Received Date/Time: 02/01/2013 14:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-50248-A-3		460-146197		02/06/2013 13:22	1	TAL EDI	KB
A:8260B	460-50248-A-3		460-146197		02/06/2013 13:22	1	TAL EDI	KB
P:3510C	460-50248-E-3-A		460-146779	460-146006	02/05/2013 08:01	1	TAL EDI	HW
A:8270C	460-50248-E-3-A		460-146779	460-146006	02/08/2013 21:54	1	TAL EDI	VR
P:3010A	460-50248-D-3-A		460-145902	460-145805	02/03/2013 13:10	1	TAL EDI	EAE
A:6010B	460-50248-D-3-A		460-145902	460-145805	02/04/2013 11:37	1	TAL EDI	CDC
P:7470A	460-50248-D-3-B		460-145961	460-145903	02/04/2013 12:53	1	TAL EDI	PHP
A:7470A	460-50248-D-3-B		460-145961	460-145903	02/04/2013 14:54	1	TAL EDI	PHP

Lab ID: 460-50248-4 **Client ID:** MW-2

Sample Date/Time: 01/31/2013 11:00 Received Date/Time: 02/01/2013 14:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-50248-A-4		460-146197		02/06/2013 13:45	1	TAL EDI	KB
A:8260B	460-50248-A-4		460-146197		02/06/2013 13:45	1	TAL EDI	KB
P:3510C	460-50248-E-4-A		460-146779	460-146006	02/05/2013 08:01	1	TAL EDI	HW
A:8270C	460-50248-E-4-A		460-146779	460-146006	02/08/2013 22:17	1	TAL EDI	VR
P:3010A	460-50248-D-4-A		460-145902	460-145805	02/03/2013 13:10	1	TAL EDI	EAE
A:6010B	460-50248-D-4-A		460-145902	460-145805	02/04/2013 11:41	1	TAL EDI	CDC
P:7470A	460-50248-D-4-B		460-145961	460-145903	02/04/2013 12:53	1	TAL EDI	PHP
A:7470A	460-50248-D-4-B		460-145961	460-145903	02/04/2013 14:56	1	TAL EDI	PHP

Lab ID: 460-50248-5 **Client ID:** MW-2D

Sample Date/Time: 01/31/2013 11:15 Received Date/Time: 02/01/2013 14:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-50248-A-5		460-146197		02/06/2013 14:09	1	TAL EDI	KB
A:8260B	460-50248-A-5		460-146197		02/06/2013 14:09	1	TAL EDI	KB
P:3510C	460-50248-E-5-A		460-146779	460-146006	02/05/2013 08:01	1	TAL EDI	HW
A:8270C	460-50248-E-5-A		460-146779	460-146006	02/08/2013 22:40	1	TAL EDI	VR
P:3010A	460-50248-D-5-A		460-145902	460-145805	02/03/2013 13:10	1	TAL EDI	EAE
A:6010B	460-50248-D-5-A		460-145902	460-145805	02/04/2013 11:44	1	TAL EDI	CDC
P:7470A	460-50248-D-5-B		460-145961	460-145903	02/04/2013 12:53	1	TAL EDI	PHP
A:7470A	460-50248-D-5-B		460-145961	460-145903	02/04/2013 14:58	1	TAL EDI	PHP

Client: FPM Group Limited

Job Number: 460-50248-1

Laboratory Chronicle

Lab ID: 460-50248-6 **Client ID:** MW-7

Sample Date/Time: 01/31/2013 12:00 Received Date/Time: 02/01/2013 14:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-50248-A-6		460-146197		02/06/2013 14:32	1	TAL EDI	KB
A:8260B	460-50248-A-6		460-146197		02/06/2013 14:32	1	TAL EDI	KB
P:3510C	460-50248-E-6-B		460-146806	460-146378	02/07/2013 11:33	1	TAL EDI	ME
A:8270C	460-50248-E-6-B		460-146806	460-146378	02/10/2013 11:28	1	TAL EDI	AAA
P:3010A	460-50248-D-6-A		460-145902	460-145805	02/03/2013 13:10	1	TAL EDI	EAE
A:6010B	460-50248-D-6-A		460-145902	460-145805	02/04/2013 11:48	1	TAL EDI	CDC
P:7470A	460-50248-D-6-B		460-145961	460-145903	02/04/2013 12:53	1	TAL EDI	PHP
A:7470A	460-50248-D-6-B		460-145961	460-145903	02/04/2013 15:00	1	TAL EDI	PHP

Lab ID: 460-50248-7 **Client ID:** TRIP BLANK

Sample Date/Time: 11/19/2012 00:00 Received Date/Time: 02/01/2013 14:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-50248-A-7		460-146197		02/06/2013 12:10	1	TAL EDI	KB
A:8260B	460-50248-A-7		460-146197		02/06/2013 12:10	1	TAL EDI	KB

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 460-146197/4		460-146197		02/06/2013 10:49	1	TAL EDI	KB
A:8260B	MB 460-146197/4		460-146197		02/06/2013 10:49	1	TAL EDI	KB
P:3510C	MB 460-146006/1-A		460-146614	460-146006	02/05/2013 08:01	1	TAL EDI	HW
A:8270C	MB 460-146006/1-A		460-146614	460-146006	02/08/2013 09:13	1	TAL EDI	VR
P:3510C	MB 460-146378/1-A		460-146806	460-146378	02/07/2013 11:33	1	TAL EDI	ME
A:8270C	MB 460-146378/1-A		460-146806	460-146378	02/10/2013 07:25	1	TAL EDI	AAA
P:3010A	MB 460-145805/1-A		460-145902	460-145805	02/03/2013 13:10	1	TAL EDI	EAE
A:6010B	MB 460-145805/1-A		460-145902	460-145805	02/04/2013 11:25	1	TAL EDI	CDC
P:7470A	MB 460-145903/1-A		460-145961	460-145903	02/04/2013 12:53	1	TAL EDI	PHP
A:7470A	MB 460-145903/1-A		460-145961	460-145903	02/04/2013 14:30	1	TAL EDI	PHP

Client: FPM Group Limited

Job Number: 460-50248-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 460-146197/3		460-146197		02/06/2013 08:32	1	TAL EDI	KB
A:8260B	LCS 460-146197/3		460-146197		02/06/2013 08:32	1	TAL EDI	KB
P:3510C	LCS 460-146006/2-A		460-146614	460-146006	02/05/2013 08:01	1	TAL EDI	HW
A:8270C	LCS 460-146006/2-A		460-146614	460-146006	02/08/2013 08:50	1	TAL EDI	VR
P:3510C	LCS 460-146378/2-A		460-146806	460-146378	02/07/2013 11:33	1	TAL EDI	ME
A:8270C	LCS 460-146378/2-A		460-146806	460-146378	02/10/2013 07:47	1	TAL EDI	AAA
P:3010A	LCS 460-145805/2-A		460-145902	460-145805	02/03/2013 13:10	1	TAL EDI	EAE
A:6010B	LCS 460-145805/2-A		460-145902	460-145805	02/04/2013 11:14	1	TAL EDI	CDC
P:7470A	LCS 460-145903/2-A		460-145961	460-145903	02/04/2013 12:53	1	TAL EDI	PHP
A:7470A	LCS 460-145903/2-A		460-145961	460-145903	02/04/2013 14:32	1	TAL EDI	PHP

Lab References:
TAL EDI = TestAmerica Edison

Method 8260B

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
MW-7F	460-50248-1	85	86	95
MW-1	460-50248-2	85	87	95
MW-3	460-50248-3	85	86	96
MW-2	460-50248-4	89	90	99
MW-2D	460-50248-5	85	86	95
MW-7	460-50248-6	85	86	95
TRIP BLANK	460-50248-7	87	90	97
	MB 460-146197/4	86	86	94
	LCS 460-146197/3	71	79	103
MW-1 MS	460-50248-2 MS	86	86	95
MW-1 MSD	460-50248-2 MSD	85	87	96

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = Bromofluorobenzene	70-130

Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Matrix: Water Level: Low Lab File ID: k09231.d

Lab ID: LCS 460-146197/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Chloromethane	20.0	18.1	91	58-146	
Bromomethane	20.0	16.8	84	55-153	
Vinyl chloride	20.0	19.1	96	61-144	
Chloroethane	20.0	16.5	82	69-145	
Methylene Chloride	20.0	18.6	93	79-119	
Acetone	20.0	21.0	105	45-156	
Carbon disulfide	20.0	19.6	98	58-139	
Trichlorofluoromethane	20.0	19.0	95	69-147	
1,1-Dichloroethene	20.0	20.6	103	56-139	
1,1-Dichloroethane	20.0	17.1	85	78-122	
trans-1,2-Dichloroethene	20.0	18.7	93	75-122	
cis-1,2-Dichloroethene	20.0	19.2	96	80-120	
Chloroform	20.0	18.4	92	82-123	
2-Butanone	20.0	20.1	101	65-114	
1,2-Dichloroethane	20.0	17.2	86	74-118	
1,1,1-Trichloroethane	20.0	18.9	95	74-128	
Carbon tetrachloride	20.0	19.3	97	73-120	
Benzene	20.0	17.5	87	83-124	
Bromoform	20.0	18.8	94	73-123	
Styrene	20.0	18.7	94	69-112	
m&p-Xylene	40.0	37.9	95	76-120	
o-Xylene	20.0	18.6	93	78-118	
Ethylbenzene	20.0	19.0	95	79-126	
Chlorobenzene	20.0	18.6	93	81-121	
Cyclohexane	20.0	18.8	94	58-133	
Isopropylbenzene	20.0	19.2	96	80-125	
2-Hexanone	20.0	15.8	79	53-121	
MTBE	20.0	18.5	93	71-115	
Freon TF	20.0	21.9	109	47-139	
Methyl acetate	20.0	12.6	63	50-151	
1,4-Dioxane	150	169	113	52-126	
Trichloroethene	20.0	19.1	95	78-119	
Toluene	20.0	18.8	94	80-120	
trans-1,3-Dichloropropene	20.0	17.1	86	78-118	
4-Methyl-2-pentanone	20.0	15.4	77	53-120	
cis-1,3-Dichloropropene	20.0	16.8	84	80-120	
1,2-Dichlorobenzene	20.0	19.1	96	82-122	
1,3-Dichlorobenzene	20.0	19.4	97	81-126	
1,4-Dichlorobenzene	20.0	19.2	96	83-123	
1,2,4-Trichlorobenzene	20.0	20.5	102	66-120	
1,2,3-Trichlorobenzene	20.0	20.4	102	76-123	
1,2-Dichloropropane	20.0	17.1	86	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Matrix: Water Level: Low Lab File ID: k09231.d

Lab ID: LCS 460-146197/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Methylcyclohexane	20.0	20.5	103	61-129	
Tetrachloroethene	20.0	20.1	101	68-139	
1,2-Dibromo-3-Chloropropane	20.0	16.9	84	70-116	
1,1,2,2-Tetrachloroethane	20.0	17.2	86	74-126	
1,1,2-Trichloroethane	20.0	17.1	85	79-119	
Dibromochloromethane	20.0	18.4	92	80-120	
1,2-Dibromoethane	20.0	18.6	93	78-118	
Dichlorodifluoromethane	20.0	19.7	99	46-145	
Bromochloromethane	20.0	19.5	98	80-121	
Bromodichloromethane	20.0	18.3	92	79-119	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Matrix: Water Level: Low Lab File ID: k09242.d

Lab ID: 460-50248-2 MS Client ID: MW-1 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Chloromethane	20.0	1.0 U	15.9	80	58-146	
Bromomethane	20.0	1.0 U	16.8	84	55-153	
Vinyl chloride	20.0	1.0 U	17.5	87	61-144	
Chloroethane	20.0	1.0 U	16.0	80	69-145	
Methylene Chloride	20.0	1.0 U	17.6	88	79-119	
Acetone	20.0	5.0 U	16.1	81	45-156	
Carbon disulfide	20.0	1.0 U	18.8	94	58-139	
Trichlorofluoromethane	20.0	1.0 U	18.8	94	69-147	
1,1-Dichloroethene	20.0	1.0 U	19.9	100	56-139	
1,1-Dichloroethane	20.0	1.0 U	16.4	82	78-122	
trans-1,2-Dichloroethene	20.0	1.0 U	18.1	91	75-122	
cis-1,2-Dichloroethene	20.0	0.64 J	19.7	95	80-120	
Chloroform	20.0	1.0 U	18.0	90	82-123	
2-Butanone	20.0	5.0 U	19.0	95	65-114	
1,2-Dichloroethane	20.0	1.0 U	17.1	85	74-118	
1,1,1-Trichloroethane	20.0	1.0 U	18.4	92	74-128	
Carbon tetrachloride	20.0	1.0 U	18.7	93	73-120	
Benzene	20.0	1.0 U	17.3	87	83-124	
Bromoform	20.0	1.0 U	17.8	89	73-123	
Styrene	20.0	1.0 U	18.0	90	69-112	
m&p-Xylene	40.0	0.29 J	38.0	94	76-120	
o-Xylene	20.0	0.16 J	18.5	92	78-118	
Ethylbenzene	20.0	0.35 J	19.1	94	79-126	
Chlorobenzene	20.0	14	30.3	83	81-121	
Cyclohexane	20.0	1.0 U	18.7	93	58-133	
Isopropylbenzene	20.0	0.16 J	19.3	96	80-125	
2-Hexanone	20.0	5.0 U	15.7	79	53-121	
MTBE	20.0	1.0 U	17.2	86	71-115	
Freon TF	20.0	1.0 U	21.8	109	47-139	
Methyl acetate	20.0	2.0 U	11.5	58	50-151	
1,4-Dioxane	150	50 U	119	79	52-126	
Trichloroethene	20.0	0.34 J	19.6	96	78-119	
Toluene	20.0	0.19 J	18.6	92	80-120	
trans-1,3-Dichloropropene	20.0	1.0 U	16.1	81	78-118	
4-Methyl-2-pentanone	20.0	5.0 U	16.1	81	53-120	
cis-1,3-Dichloropropene	20.0	1.0 U	16.0	80	80-120	
1,2-Dichlorobenzene	20.0	4.9	23.4	93	82-122	
1,3-Dichlorobenzene	20.0	1.0	20.2	96	81-126	
1,4-Dichlorobenzene	20.0	9.5	27.3	89	83-123	
1,2,4-Trichlorobenzene	20.0	1.0 U	19.5	97	66-120	
1,2,3-Trichlorobenzene	20.0	1.0 U	19.2	96	76-123	
1,2-Dichloropropane	20.0	1.0 U	16.5	82	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Matrix: Water Level: Low Lab File ID: k09242.d

Lab ID: 460-50248-2 MS Client ID: MW-1 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Methylcyclohexane	20.0	1.0 U	20.6	103	61-129	
Tetrachloroethene	20.0	1.0 U	21.0	105	68-139	
1,2-Dibromo-3-Chloropropane	20.0	1.0 U	16.3	81	70-116	
1,1,2,2-Tetrachloroethane	20.0	1.0 U	17.9	90	74-126	
1,1,2-Trichloroethane	20.0	1.0 U	16.7	84	79-119	
Dibromochloromethane	20.0	1.0 U	17.6	88	80-120	
1,2-Dibromoethane	20.0	1.0 U	18.3	91	78-118	
Dichlorodifluoromethane	20.0	1.0 U	19.3	96	46-145	
Bromochloromethane	20.0	1.0 U	19.1	96	80-121	
Bromodichloromethane	20.0	1.0 U	17.9	90	79-119	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Matrix: Water Level: Low Lab File ID: k09243.d

Lab ID: 460-50248-2 MSD Client ID: MW-1 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chloromethane	20.0	15.9	79	1	30	58-146	
Bromomethane	20.0	16.1	80	5	30	55-153	
Vinyl chloride	20.0	17.7	89	2	30	61-144	
Chloroethane	20.0	15.4	77	4	30	69-145	
Methylene Chloride	20.0	17.3	86	2	30	79-119	
Acetone	20.0	14.6	73	10	30	45-156	
Carbon disulfide	20.0	18.4	92	2	30	58-139	
Trichlorofluoromethane	20.0	18.9	94	1	30	69-147	
1,1-Dichloroethene	20.0	19.4	97	3	30	56-139	
1,1-Dichloroethane	20.0	16.1	81	2	30	78-122	
trans-1,2-Dichloroethene	20.0	17.7	89	2	30	75-122	
cis-1,2-Dichloroethene	20.0	19.2	93	2	30	80-120	
Chloroform	20.0	17.5	88	3	30	82-123	
2-Butanone	20.0	18.7	93	2	30	65-114	
1,2-Dichloroethane	20.0	16.9	85	1	30	74-118	
1,1,1-Trichloroethane	20.0	18.3	92	1	30	74-128	
Carbon tetrachloride	20.0	18.6	93	1	30	73-120	
Benzene	20.0	17.1	85	1	30	83-124	
Bromoform	20.0	18.0	90	1	30	73-123	
Styrene	20.0	18.0	90	0	30	69-112	
m&p-Xylene	40.0	37.5	93	1	30	76-120	
o-Xylene	20.0	18.5	92	0	30	78-118	
Ethylbenzene	20.0	19.0	93	1	30	79-126	
Chlorobenzene	20.0	30.4	84	0	30	81-121	
Cyclohexane	20.0	18.3	91	2	30	58-133	
Isopropylbenzene	20.0	19.3	96	0	30	80-125	
2-Hexanone	20.0	15.7	79	0	30	53-121	
MTBE	20.0	17.1	86	1	30	71-115	
Freon TF	20.0	21.2	106	3	30	47-139	
Methyl acetate	20.0	11.6	58	1	30	50-151	
1,4-Dioxane	150	143	95	18	30	52-126	
Trichloroethene	20.0	18.9	93	4	30	78-119	
Toluene	20.0	18.5	92	0	30	80-120	
trans-1,3-Dichloropropene	20.0	15.9	79	2	30	78-118	
4-Methyl-2-pentanone	20.0	15.8	79	2	30	53-120	
cis-1,3-Dichloropropene	20.0	15.8	79	1	30	80-120	*
1,2-Dichlorobenzene	20.0	23.1	91	1	30	82-122	
1,3-Dichlorobenzene	20.0	20.1	95	1	30	81-126	
1,4-Dichlorobenzene	20.0	27.3	89	0	30	83-123	
1,2,4-Trichlorobenzene	20.0	19.5	98	0	30	66-120	
1,2,3-Trichlorobenzene	20.0	20.0	100	4	30	76-123	
1,2-Dichloropropane	20.0	16.3	82	1	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Matrix: Water Level: Low Lab File ID: k09243.d

Lab ID: 460-50248-2 MSD Client ID: MW-1 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Methylcyclohexane	20.0	20.5	103	0	30	61-129	
Tetrachloroethene	20.0	21.0	105	0	30	68-139	
1,2-Dibromo-3-Chloropropane	20.0	16.4	82	1	30	70-116	
1,1,2,2-Tetrachloroethane	20.0	17.6	88	2	30	74-126	
1,1,2-Trichloroethane	20.0	16.3	81	3	30	79-119	
Dibromochloromethane	20.0	17.5	88	0	30	80-120	
1,2-Dibromoethane	20.0	18.3	92	0	30	78-118	
Dichlorodifluoromethane	20.0	19.5	97	1	30	46-145	
Bromochloromethane	20.0	19.2	96	1	30	80-121	
Bromodichloromethane	20.0	17.7	88	1	30	79-119	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab File ID: k09234.d Lab Sample ID: MB 460-146197/4

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

Instrument ID: VOAMS9 Date Analyzed: 02/06/2013 10:49

GC Column: DB-624 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-146197/3	k09231.d	02/06/2013 08:32
TRIP BLANK	460-50248-7	k09235.d	02/06/2013 12:10
MW-7F	460-50248-1	k09236.d	02/06/2013 12:34
MW-1	460-50248-2	k09237.d	02/06/2013 12:58
MW-3	460-50248-3	k09238.d	02/06/2013 13:22
MW-2	460-50248-4	k09239.d	02/06/2013 13:45
MW-2D	460-50248-5	k09240.d	02/06/2013 14:09
MW-7	460-50248-6	k09241.d	02/06/2013 14:32
MW-1 MS	460-50248-2 MS	k09242.d	02/06/2013 14:56
MW-1 MSD	460-50248-2 MSD	k09243.d	02/06/2013 15:19

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab File ID: k08896.d BFB Injection Date: 01/25/2013

Instrument ID: VOAMS9 BFB Injection Time: 18:49

Analysis Batch No.: 144896

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.7	
75	30.0 - 60.0 % of mass 95	48.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	78.0	
175	5.0 - 9.0 % of mass 174	5.9	(7.6)1
176	95.0 - 101.0 % of mass 174	76.5	(98.0)1
177	5.0 - 9.0 % of mass 176	4.9	(6.3)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 460-144896/2	k08898.d	01/25/2013	19:36
	IC 460-144896/3	k08899.d	01/25/2013	19:59
	ICIS 460-144896/4	k08900.d	01/25/2013	20:23
	IC 460-144896/5	k08901.d	01/25/2013	20:46
	IC 460-144896/6	k08902.d	01/25/2013	21:10
	IC 460-144896/7	k08903.d	01/25/2013	21:33

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab File ID: k09228.d BFB Injection Date: 02/06/2013

Instrument ID: VOAMS9 BFB Injection Time: 06:57

Analysis Batch No.: 146197

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.6	
75	30.0 - 60.0 % of mass 95	47.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	78.7	
175	5.0 - 9.0 % of mass 174	6.3	(8.0)1
176	95.0 - 101.0 % of mass 174	76.3	(97.0)1
177	5.0 - 9.0 % of mass 176	4.9	(6.5)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-146197/2	k09230.d	02/06/2013	07:58
	LCS 460-146197/3	k09231.d	02/06/2013	08:32
	MB 460-146197/4	k09234.d	02/06/2013	10:49
TRIP BLANK	460-50248-7	k09235.d	02/06/2013	12:10
MW-7F	460-50248-1	k09236.d	02/06/2013	12:34
MW-1	460-50248-2	k09237.d	02/06/2013	12:58
MW-3	460-50248-3	k09238.d	02/06/2013	13:22
MW-2	460-50248-4	k09239.d	02/06/2013	13:45
MW-2D	460-50248-5	k09240.d	02/06/2013	14:09
MW-7	460-50248-6	k09241.d	02/06/2013	14:32
MW-1 MS	460-50248-2 MS	k09242.d	02/06/2013	14:56
MW-1 MSD	460-50248-2 MSD	k09243.d	02/06/2013	15:19

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Sample No.: CCVIS 460-146197/2 Date Analyzed: 02/06/2013 07:58

Instrument ID: VOAMS9 GC Column: DB-624 ID: 0.53(mm)

Lab File ID (Standard): k09230.d Heated Purge: (Y/N) N

Calibration ID: 19975

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		888513	5.41	630902	8.87	341578	10.98
UPPER LIMIT		1777026	5.91	1261804	9.37	683156	11.48
LOWER LIMIT		444257	4.91	315451	8.37	170789	10.48
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-146197/3		872352	5.40	626158	8.87	341381	10.98
MB 460-146197/4		909471	5.41	649236	8.87	355682	10.98
460-50248-7	TRIP BLANK	866610	5.41	614971	8.87	335892	10.98
460-50248-1	MW-7F	920501	5.41	649749	8.87	351825	10.98
460-50248-2	MW-1	884749	5.41	628990	8.87	346535	10.98
460-50248-3	MW-3	938311	5.41	665083	8.88	364104	10.98
460-50248-4	MW-2	890520	5.41	634374	8.88	347102	10.98
460-50248-5	MW-2D	932757	5.41	661582	8.88	359271	10.98
460-50248-6	MW-7	934378	5.41	667650	8.88	363726	10.98
460-50248-2 MS	MW-1 MS	917683	5.41	660199	8.88	352634	10.98
460-50248-2 MSD	MW-1 MSD	890606	5.41	639127	8.88	345936	10.98

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

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

Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-7F Lab Sample ID: 460-50248-1

Matrix: Water Lab File ID: k09236.d

Analysis Method: 8260B Date Collected: 01/31/2013 12:30

Sample wt/vol: 5(mL) Date Analyzed: 02/06/2013 12:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 146197 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.10
74-83-9	Bromomethane	1.0	U	1.0	0.18
75-01-4	Vinyl chloride	1.0	U	1.0	0.14
75-00-3	Chloroethane	1.0	U	1.0	0.17
75-09-2	Methylene Chloride	0.69	J	1.0	0.18
67-64-1	Acetone	14		5.0	2.7
75-15-0	Carbon disulfide	1.0	U	1.0	0.13
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.15
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.090
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.18
67-66-3	Chloroform	1.0	U	1.0	0.080
78-93-3	2-Butanone	19		5.0	2.3
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.19
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.060
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.060
71-43-2	Benzene	1.0	U	1.0	0.080
75-25-2	Bromoform	1.0	U	1.0	0.19
100-42-5	Styrene	1.0	U	1.0	0.12
179601-23-1	m&p-Xylene	0.62	J	2.0	0.25
95-47-6	o-Xylene	0.31	J	1.0	0.13
100-41-4	Ethylbenzene	0.17	J	1.0	0.10
108-90-7	Chlorobenzene	1.0	U	1.0	0.11
110-82-7	Cyclohexane	1.0	U	1.0	0.16
98-82-8	Isopropylbenzene	1.0	U	1.0	0.080
591-78-6	2-Hexanone	2.8	J	5.0	0.50
1634-04-4	MTBE	1.0	U	1.0	0.14
76-13-1	Freon TF	1.0	U	1.0	0.080
79-20-9	Methyl acetate	2.0	U	2.0	0.34
123-91-1	1,4-Dioxane	50	U	50	36
79-01-6	Trichloroethene	1.0	U	1.0	0.090
108-88-3	Toluene	0.43	J	1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.24
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.99
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-7F | Lab Sample ID: 460-50248-1

Matrix: Water | Lab File ID: k09236.d

Analysis Method: 8260B | Date Collected: 01/31/2013 12:30

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2013 12:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

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

Analysis Batch No.: 146197 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.21
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.14
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.51
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.090
108-87-2	Methylcyclohexane	1.0	U	1.0	0.14
127-18-4	Tetrachloroethene	1.0	U	1.0	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.40
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.16
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.19
124-48-1	Dibromochloromethane	1.0	U	1.0	0.20
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.28
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.22
74-97-5	Bromochloromethane	1.0	U	1.0	0.27
75-27-4	Bromodichloromethane	1.0	U	1.0	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		70-130
2037-26-5	Toluene-d8 (Surr)	86		70-130
460-00-4	Bromofluorobenzene	95		70-130

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09236.d
Report Date: 06-Feb-2013 14:58

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09236.d
Lab Smp Id: 460-50248-A-1 Client Smp ID: MW-7F
Inj Date : 06-FEB-2013 12:34
Operator : Inst ID: VOAMS9.i
Smp Info : 460-50248-A-1
Misc Info : 460-50248-A-1
Comment :
Method : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/8260_09.m
Meth Date : 06-Feb-2013 08:47 desais Quant Type: ISTD
Cal Date : 25-JAN-2013 21:33 Cal File: k08903.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
16 Acetone	43	2.878	2.868	(0.532)	26172	14.0564	14(H)
22 Methylene Chloride	84	3.242	3.232	(0.599)	4129	0.69399	0.69(a)
24 TBA	59	3.306	3.296	(0.611)	5949	8.01858	8.0(aH)
38 2-Butanone	72	4.360	4.355	(0.806)	13006	19.2914	19
$ 47 1,2-Dichloroethane-d4 (SUR)	65	5.136	5.131	(0.950)	212345	42.6557	43
* 52 Fluorobenzene	96	5.409	5.409	(1.000)	920501	50.0000	
$ 65 Toluene-d8 (SUR)	98	7.083	7.083	(0.799)	602120	43.0747	43
66 Toluene	91	7.163	7.158	(0.808)	9745	0.43333	0.43(a)
73 2-Hexanone	43	7.998	7.993	(0.902)	12755	2.83892	2.8(aH)
* 78 Chlorobenzene-d5	117	8.870	8.870	(1.000)	649749	50.0000	
81 Ethylbenzene	106	9.014	9.009	(1.016)	1293	0.17336	0.17(a)
82 m+p-Xylene	106	9.170	9.164	(1.034)	5755	0.62337	0.62(a)
84 o-Xylene	106	9.598	9.603	(1.082)	3042	0.31230	0.31(a)
$ 89 Bromofluorobenzene (SUR)	174	10.122	10.117	(0.922)	245997	47.4063	47
* 108 1,4-Dichlorobenzene-d4	152	10.983	10.983	(1.000)	351825	50.0000	
M 121 Xylene (Total)	100				8797	0.93568	0.94(a)

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09236.d
Report Date: 06-Feb-2013 14:58

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: k09236.d

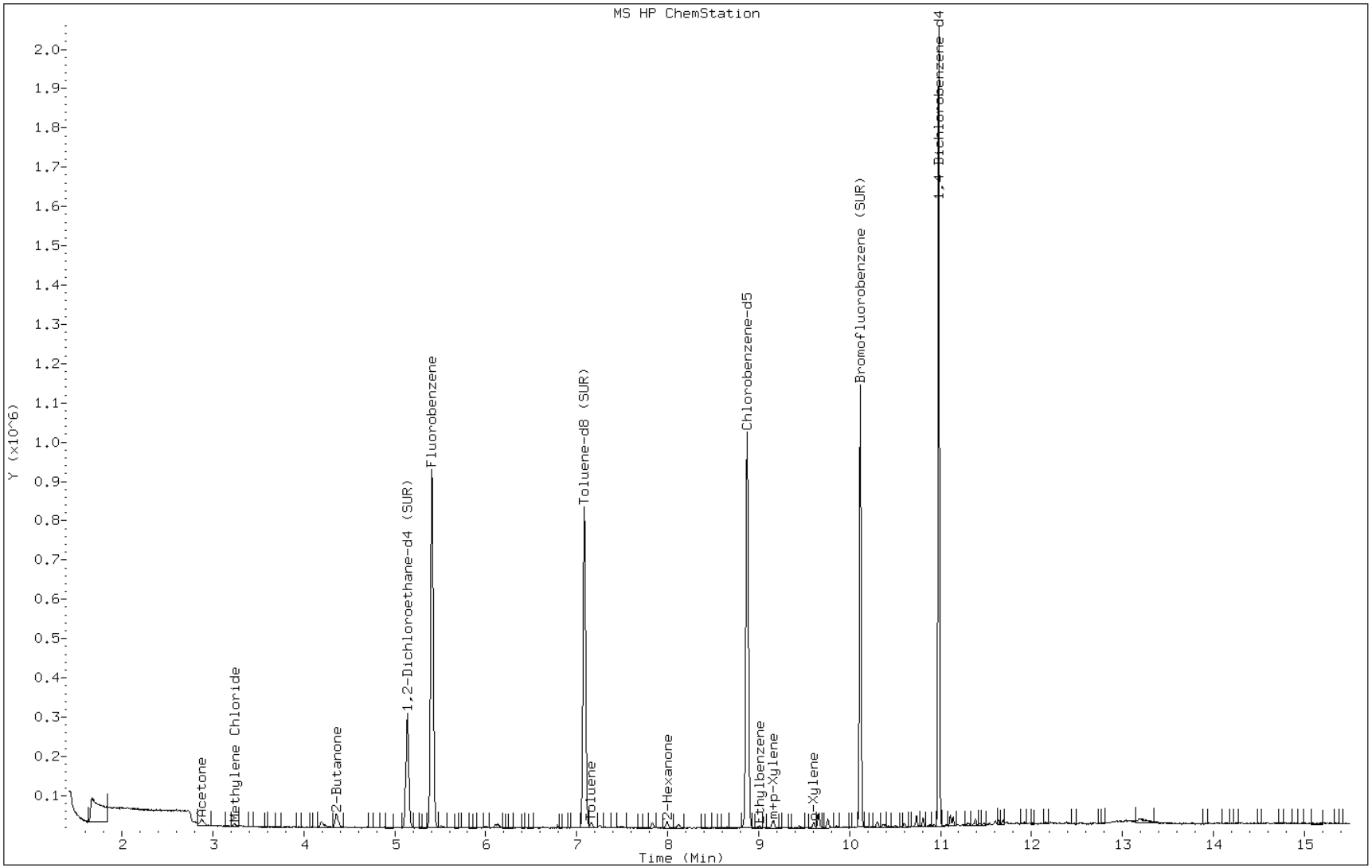
Date: 06-FEB-2013 12:34

Client ID: MW-7F

Instrument: VOAMS9.i

Sample Info: 460-50248-A-1

Operator:



Data File: k09236.d

Date: 06-FEB-2013 12:34

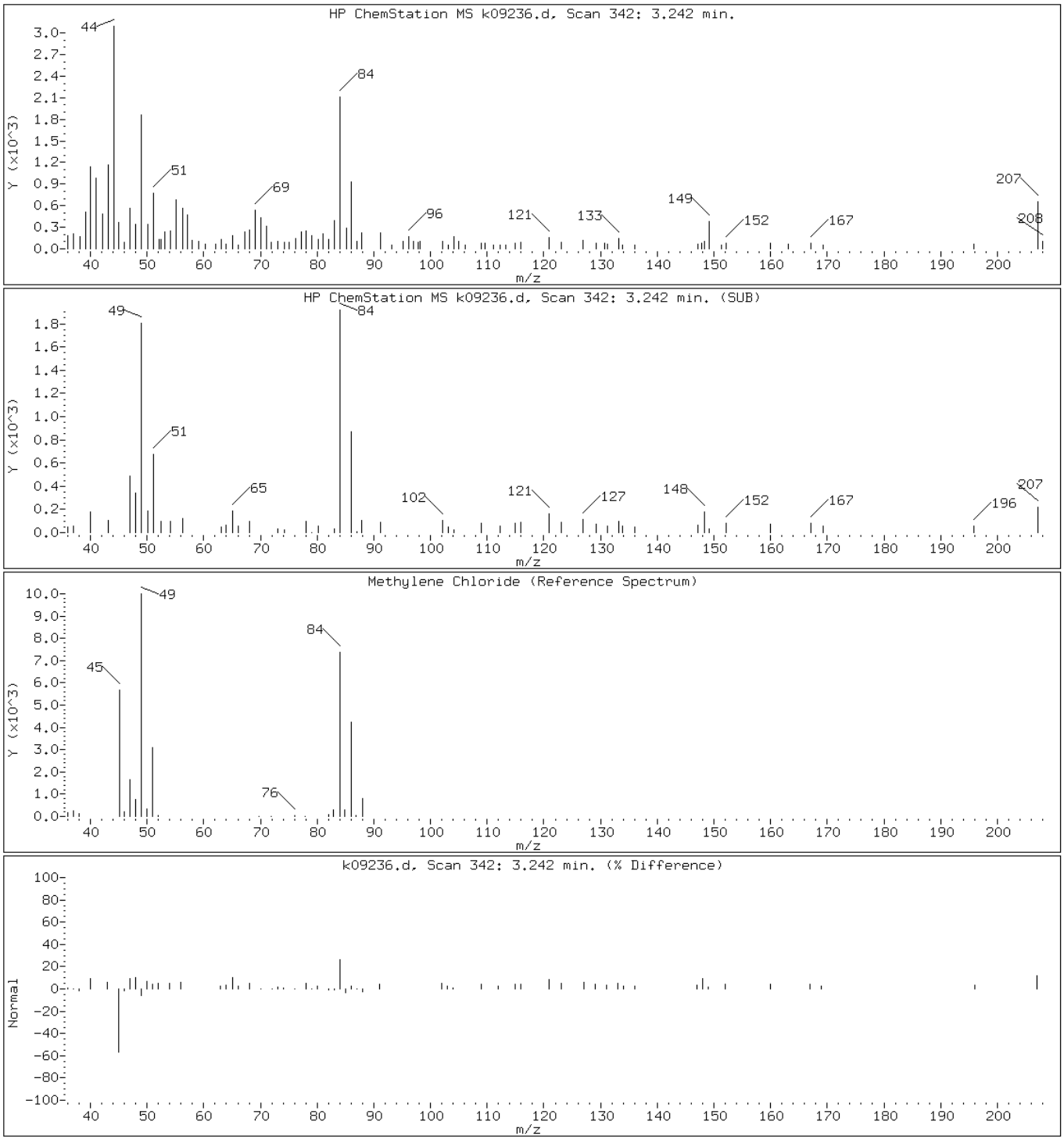
Client ID: MW-7F

Instrument: VOAMS9.i

Sample Info: 460-50248-A-1

Operator:

22 Methylene Chloride



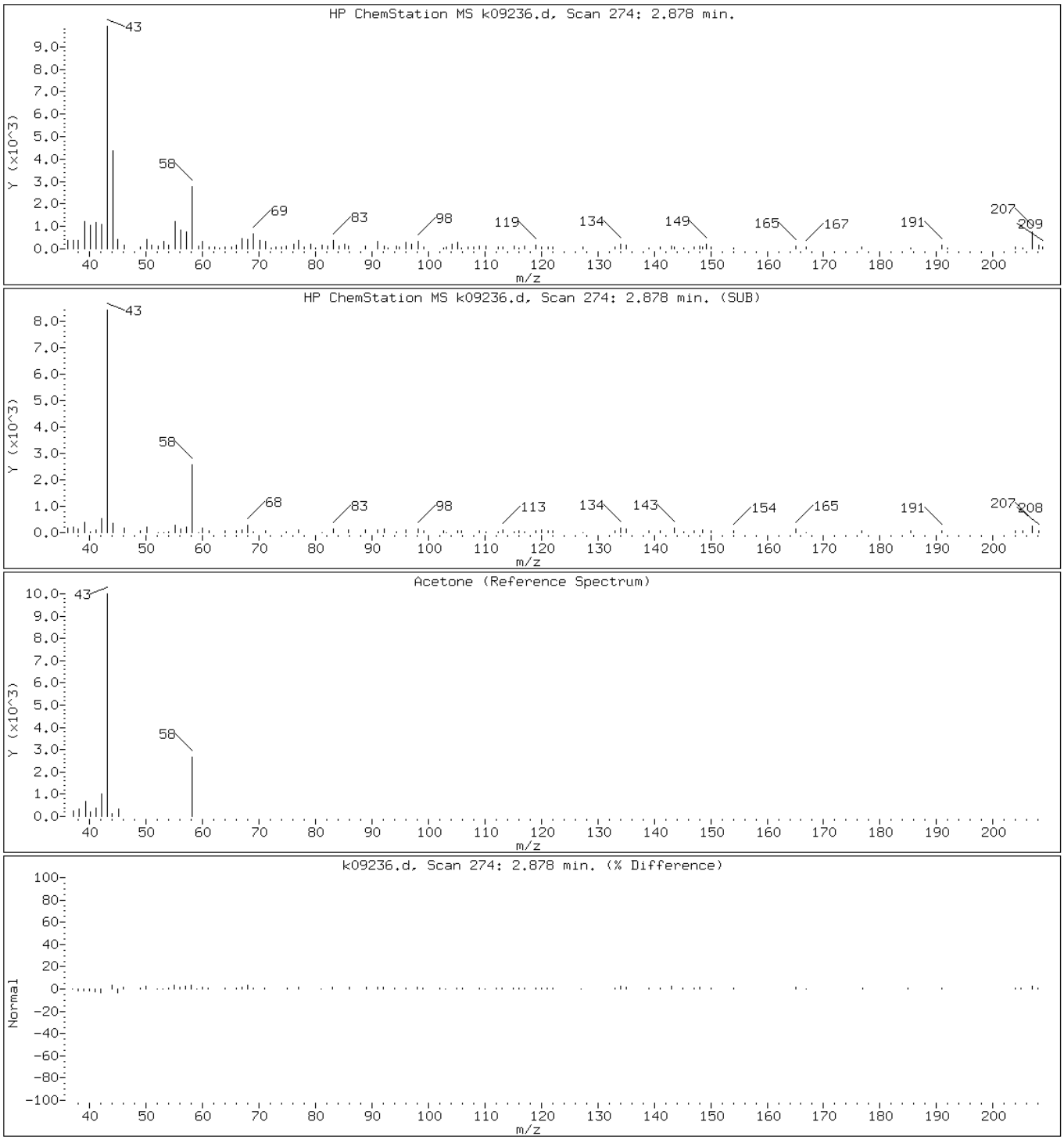
Data File: k09236.d

Date: 06-FEB-2013 12:34

Client ID: MW-7F Instrument: VOAMS9.i

Sample Info: 460-50248-A-1 Operator:

16 Acetone



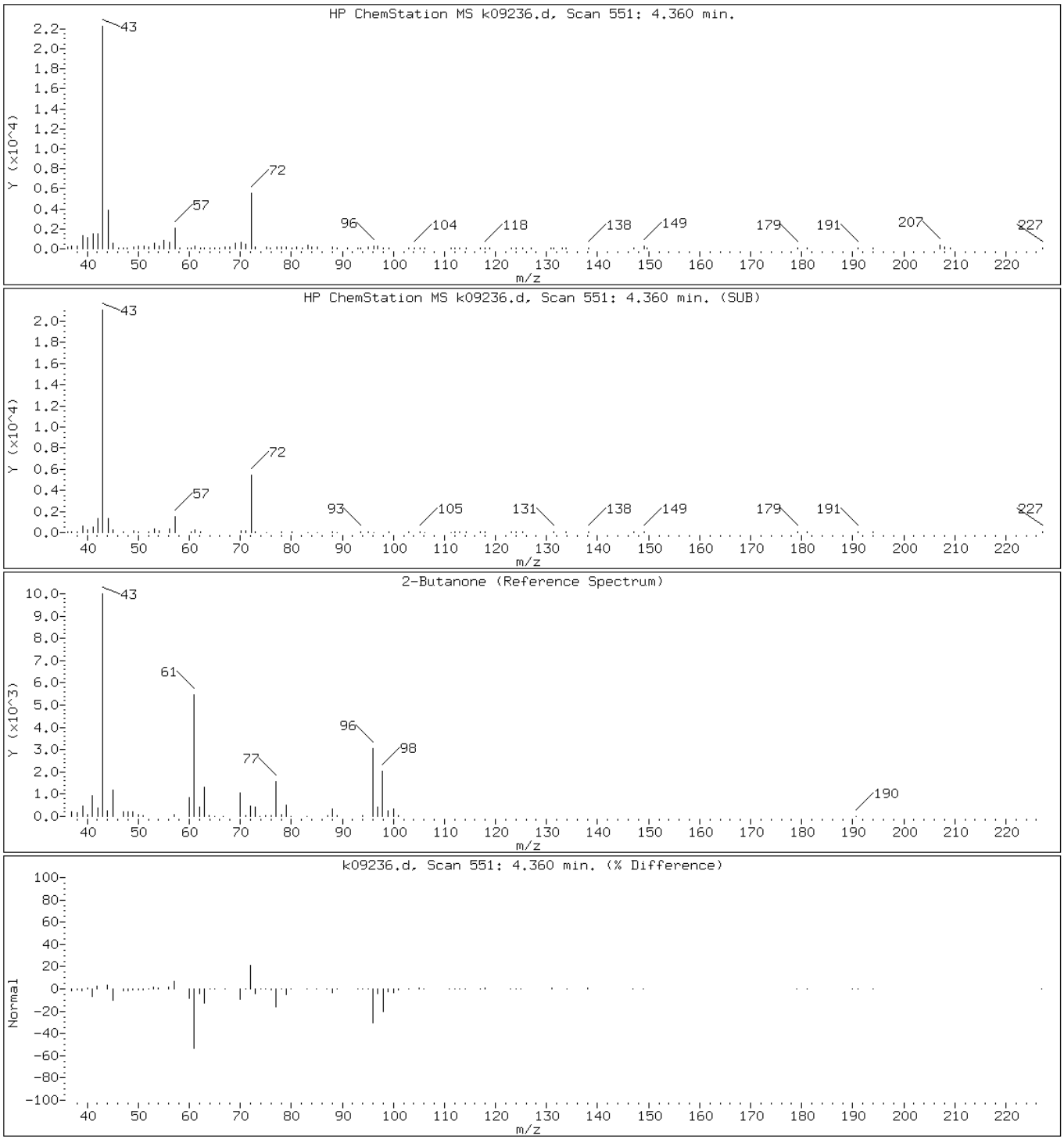
Data File: k09236.d

Date: 06-FEB-2013 12:34

Client ID: MW-7F Instrument: VOAMS9.i

Sample Info: 460-50248-A-1 Operator:

38 2-Butanone



Data File: k09236.d

Date: 06-FEB-2013 12:34

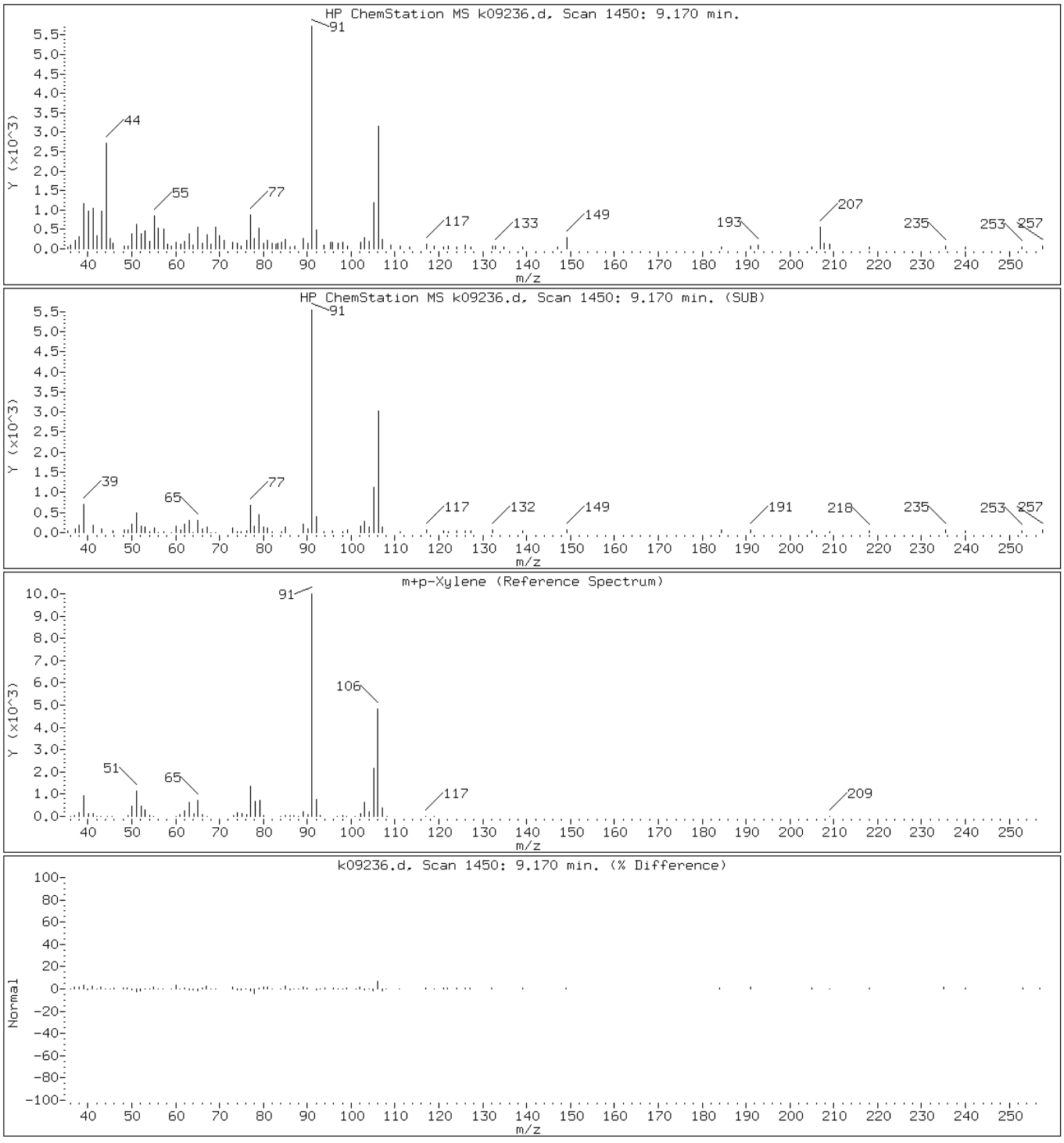
Client ID: MW-7F

Instrument: VOAMS9.i

Sample Info: 460-50248-A-1

Operator:

82 m+p-Xylene



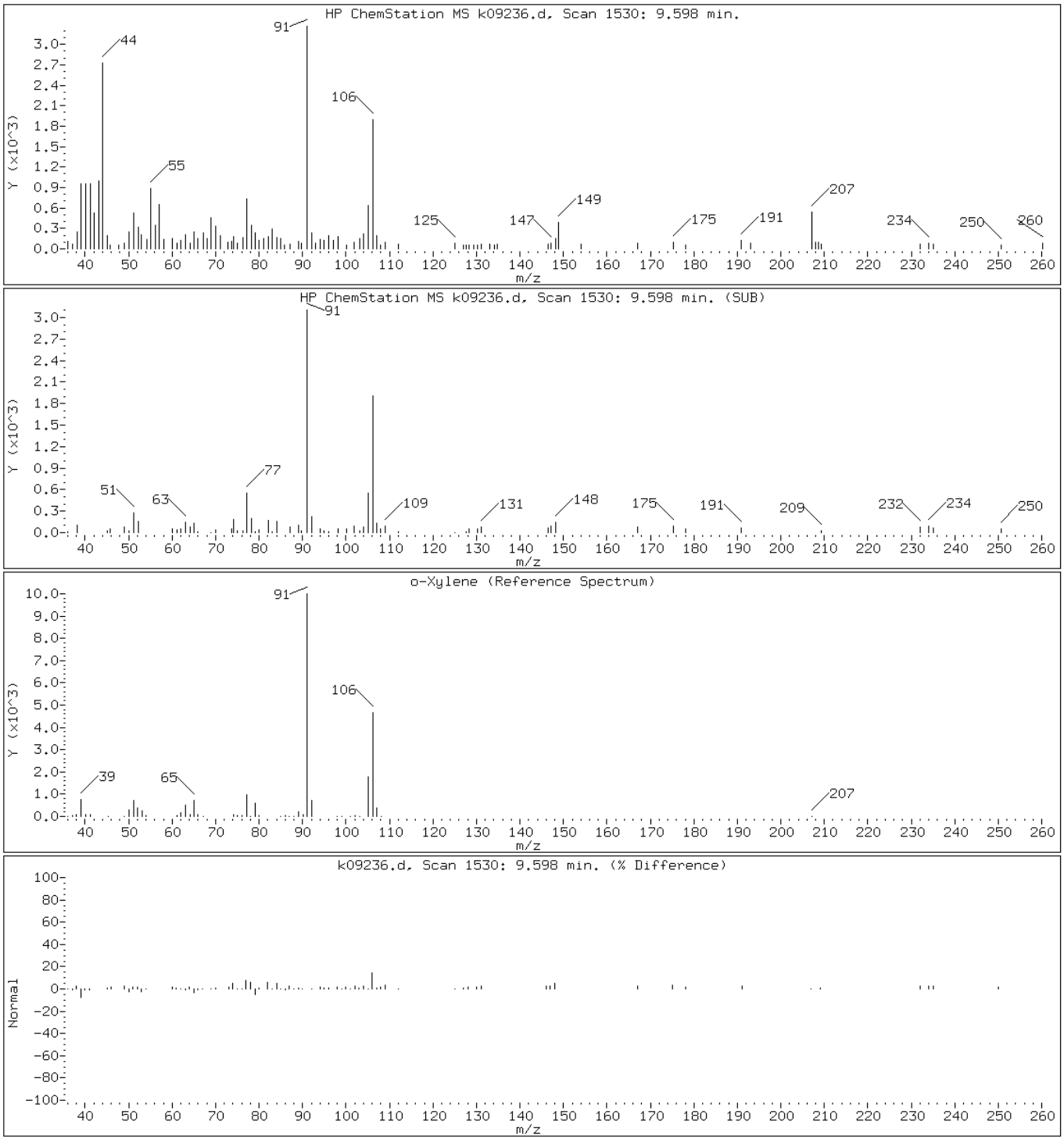
Data File: k09236.d

Date: 06-FEB-2013 12:34

Client ID: MW-7F Instrument: VOAMS9.i

Sample Info: 460-50248-A-1 Operator:

84 o-Xylene



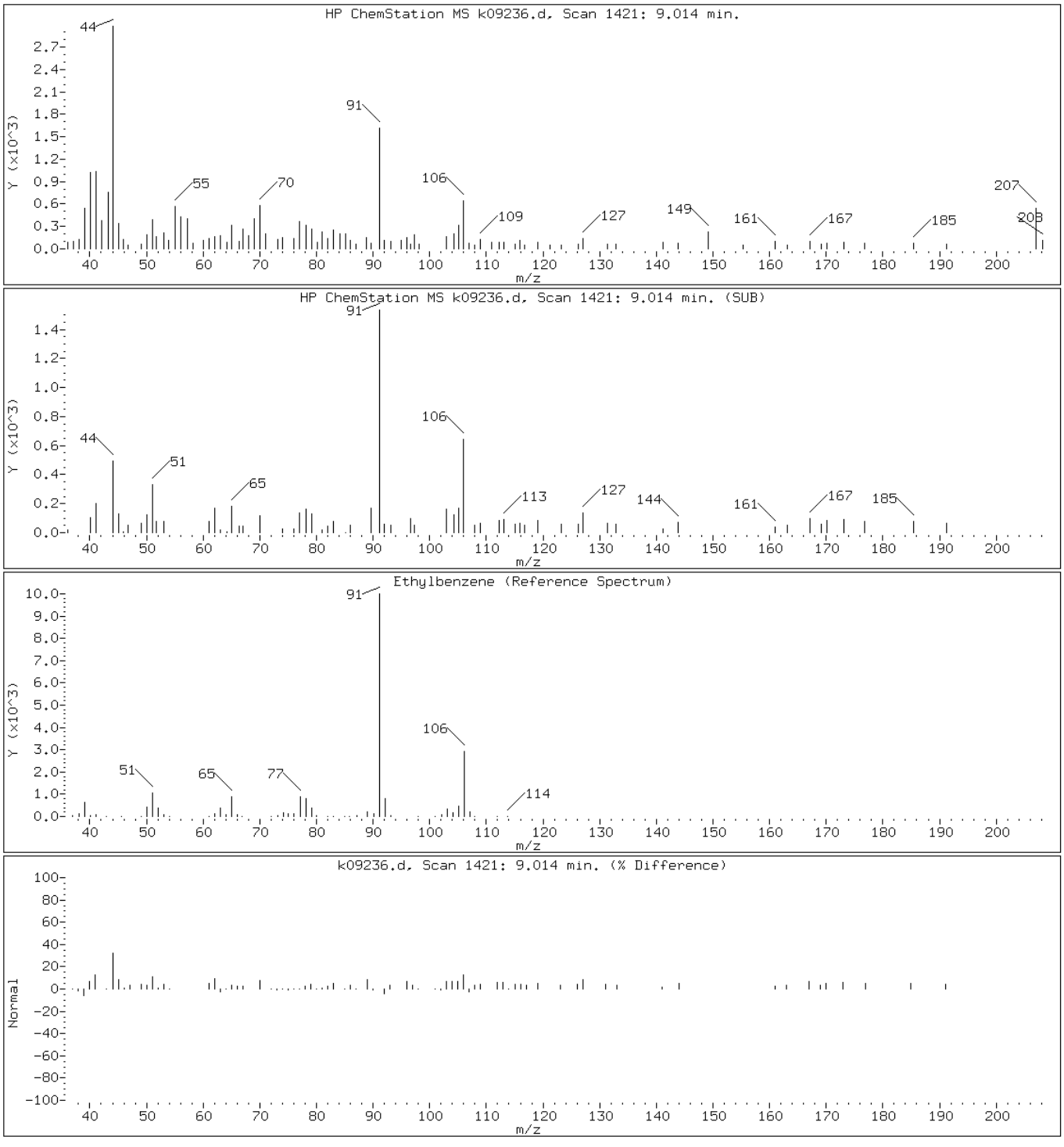
Data File: k09236.d

Date: 06-FEB-2013 12:34

Client ID: MW-7F Instrument: VOAMS9.i

Sample Info: 460-50248-A-1 Operator:

81 Ethylbenzene



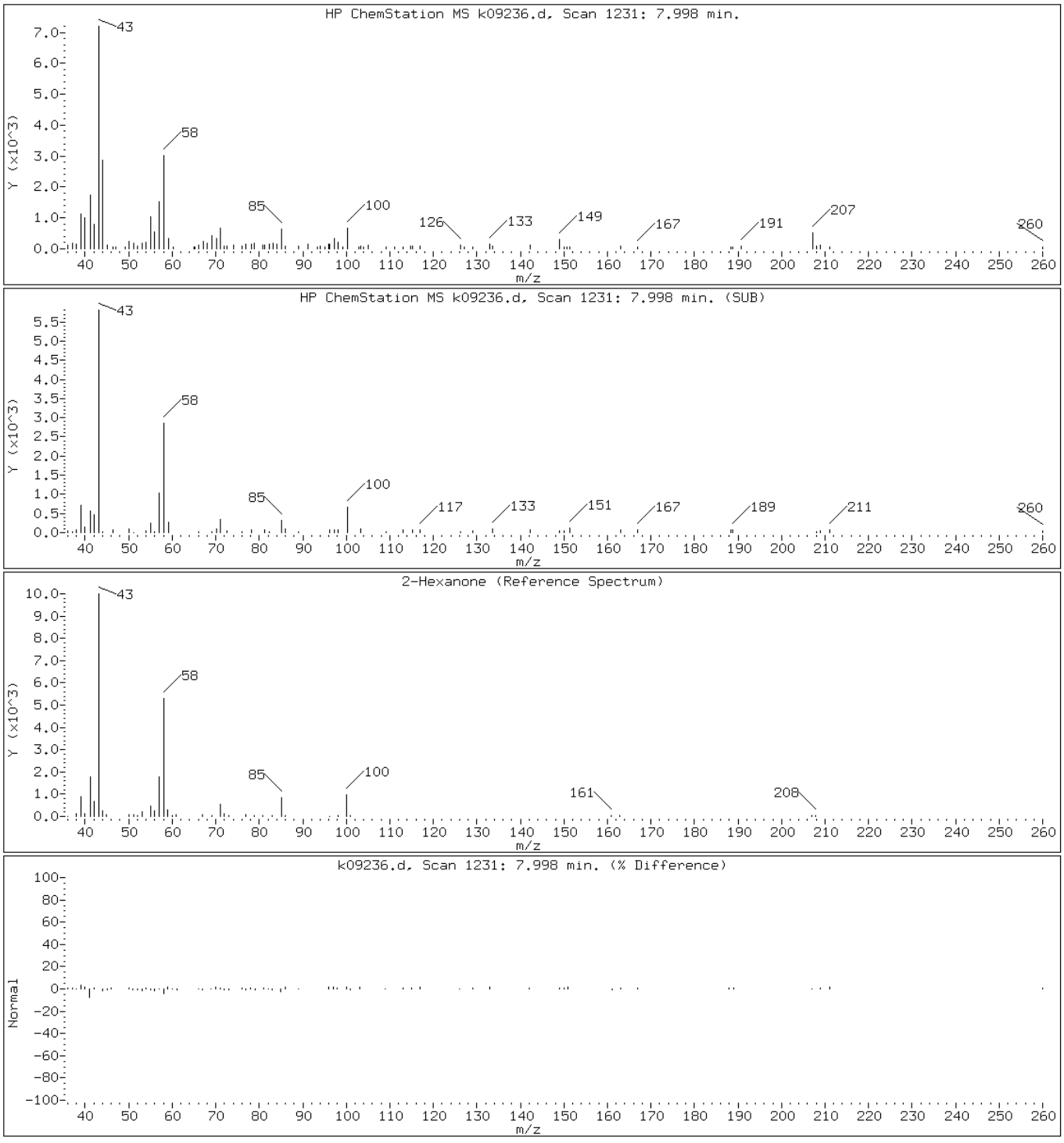
Data File: k09236.d

Date: 06-FEB-2013 12:34

Client ID: MW-7F Instrument: VOAMS9.i

Sample Info: 460-50248-A-1 Operator:

73 2-Hexanone



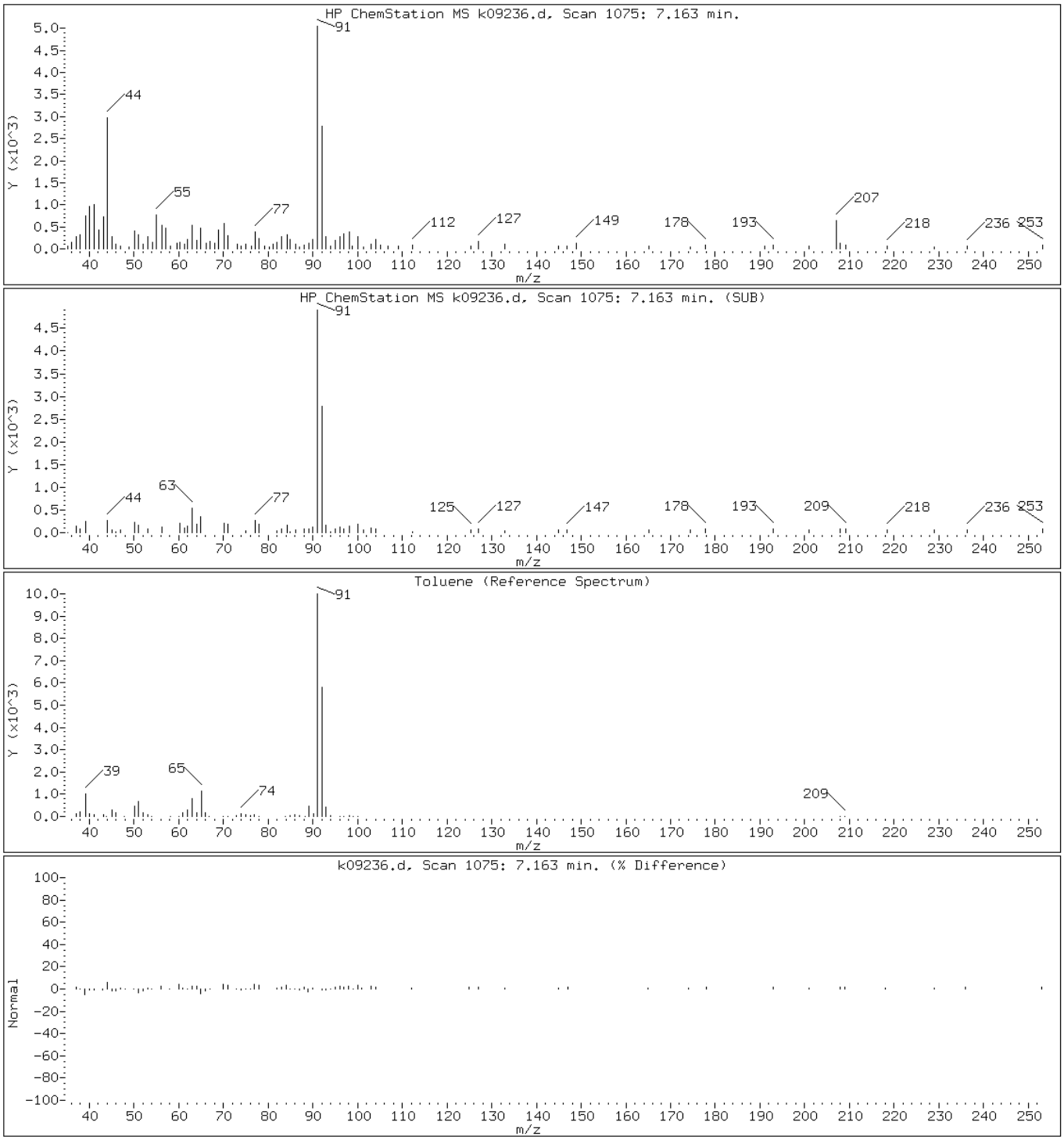
Data File: k09236.d

Date: 06-FEB-2013 12:34

Client ID: MW-7F Instrument: VOAMS9.i

Sample Info: 460-50248-A-1 Operator:

66 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-1 Lab Sample ID: 460-50248-2

Matrix: Water Lab File ID: k09237.d

Analysis Method: 8260B Date Collected: 01/31/2013 10:00

Sample wt/vol: 5(mL) Date Analyzed: 02/06/2013 12:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 146197 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.10
74-83-9	Bromomethane	1.0	U	1.0	0.18
75-01-4	Vinyl chloride	1.0	U	1.0	0.14
75-00-3	Chloroethane	1.0	U	1.0	0.17
75-09-2	Methylene Chloride	1.0	U	1.0	0.18
67-64-1	Acetone	5.0	U	5.0	2.7
75-15-0	Carbon disulfide	1.0	U	1.0	0.13
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.15
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.090
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	0.64	J	1.0	0.18
67-66-3	Chloroform	1.0	U	1.0	0.080
78-93-3	2-Butanone	5.0	U	5.0	2.3
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.19
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.060
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.060
71-43-2	Benzene	1.0	U	1.0	0.080
75-25-2	Bromoform	1.0	U	1.0	0.19
100-42-5	Styrene	1.0	U	1.0	0.12
179601-23-1	m&p-Xylene	0.29	J	2.0	0.25
95-47-6	o-Xylene	0.16	J	1.0	0.13
100-41-4	Ethylbenzene	0.35	J	1.0	0.10
108-90-7	Chlorobenzene	14		1.0	0.11
110-82-7	Cyclohexane	1.0	U	1.0	0.16
98-82-8	Isopropylbenzene	0.16	J	1.0	0.080
591-78-6	2-Hexanone	5.0	U	5.0	0.50
1634-04-4	MTBE	1.0	U	1.0	0.14
76-13-1	Freon TF	1.0	U	1.0	0.080
79-20-9	Methyl acetate	2.0	U	2.0	0.34
123-91-1	1,4-Dioxane	50	U	50	36
79-01-6	Trichloroethene	0.34	J	1.0	0.090
108-88-3	Toluene	0.19	J	1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.24
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.99
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-1 | Lab Sample ID: 460-50248-2

Matrix: Water | Lab File ID: k09237.d

Analysis Method: 8260B | Date Collected: 01/31/2013 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2013 12:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

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

Analysis Batch No.: 146197 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	4.9		1.0	0.21
541-73-1	1,3-Dichlorobenzene	1.0		1.0	0.14
106-46-7	1,4-Dichlorobenzene	9.5		1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.51
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.090
108-87-2	Methylcyclohexane	1.0	U	1.0	0.14
127-18-4	Tetrachloroethene	1.0	U	1.0	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.40
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.16
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.19
124-48-1	Dibromochloromethane	1.0	U	1.0	0.20
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.28
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.22
74-97-5	Bromochloromethane	1.0	U	1.0	0.27
75-27-4	Bromodichloromethane	1.0	U	1.0	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		70-130
2037-26-5	Toluene-d8 (Surr)	87		70-130
460-00-4	Bromofluorobenzene	95		70-130

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09237.d
Report Date: 06-Feb-2013 14:58

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09237.d
Lab Smp Id: 460-50248-A-2 Client Smp ID: MW-1
Inj Date : 06-FEB-2013 12:58
Operator : Inst ID: VOAMS9.i
Smp Info : 460-50248-A-2
Misc Info : 460-50248-A-2
Comment :
Method : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/8260_09.m
Meth Date : 06-Feb-2013 08:47 desais Quant Type: ISTD
Cal Date : 25-JAN-2013 21:33 Cal File: k08903.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	36 cis-1,2-Dichloroethene	96	4.339	4.339	(0.802)	3656	0.64151	0.64(a)
$	47 1,2-Dichloroethane-d4 (SUR)	65	5.131	5.131	(0.949)	203354	42.5003	42
*	52 Fluorobenzene	96	5.409	5.409	(1.000)	884749	50.0000	
	54 Trichloroethene	95	5.762	5.762	(1.065)	1740	0.34001	0.34(aH)
$	65 Toluene-d8 (SUR)	98	7.083	7.083	(0.799)	586452	43.3385	43
	66 Toluene	91	7.158	7.158	(0.807)	4042	0.18567	0.18(a)
*	78 Chlorobenzene-d5	117	8.870	8.870	(1.000)	628990	50.0000	
	79 Chlorobenzene	112	8.907	8.908	(1.004)	184877	13.5789	14
	81 Ethylbenzene	106	9.014	9.009	(1.016)	2524	0.34958	0.35(a)
	82 m+p-Xylene	106	9.164	9.164	(1.033)	2581	0.28880	0.29(a)
	84 o-Xylene	106	9.608	9.603	(1.083)	1500	0.15908	0.16(a)
	88 Isopropylbenzene	105	9.940	9.940	(1.121)	3684	0.16294	0.16(a)
$	89 Bromofluorobenzene (SUR)	174	10.122	10.117	(0.922)	243440	47.6297	48
	95 n-Propylbenzene	91	10.293	10.293	(0.937)	7070	0.25177	0.25(a)
	101 1,2,4-Trimethylbenzene	105	10.721	10.716	(0.976)	3041	0.14950	0.15(a)
	105 1,3-Dichlorobenzene	146	10.935	10.935	(0.996)	11242	1.03627	1.0

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09237.d
Report Date: 06-Feb-2013 14:58

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 108 1,4-Dichlorobenzene-d4	152	10.983	10.983	(1.000)	346535	50.0000	
109 1,4-Dichlorobenzene	146	10.999	10.999	(1.001)	107737	9.49192	9.5
171 Indan	117	11.144	11.144	(2.060)	19123	0.94041	0.94(a)
111 1,2-Dichlorobenzene	146	11.245	11.240	(1.024)	55450	4.92127	4.9
M 120 1,2-Dichloroethene (Total)	100				3656	0.64151	0.64(a)
M 121 Xylene (Total)	100				4081	0.44787	0.45(a)

QC Flag Legend

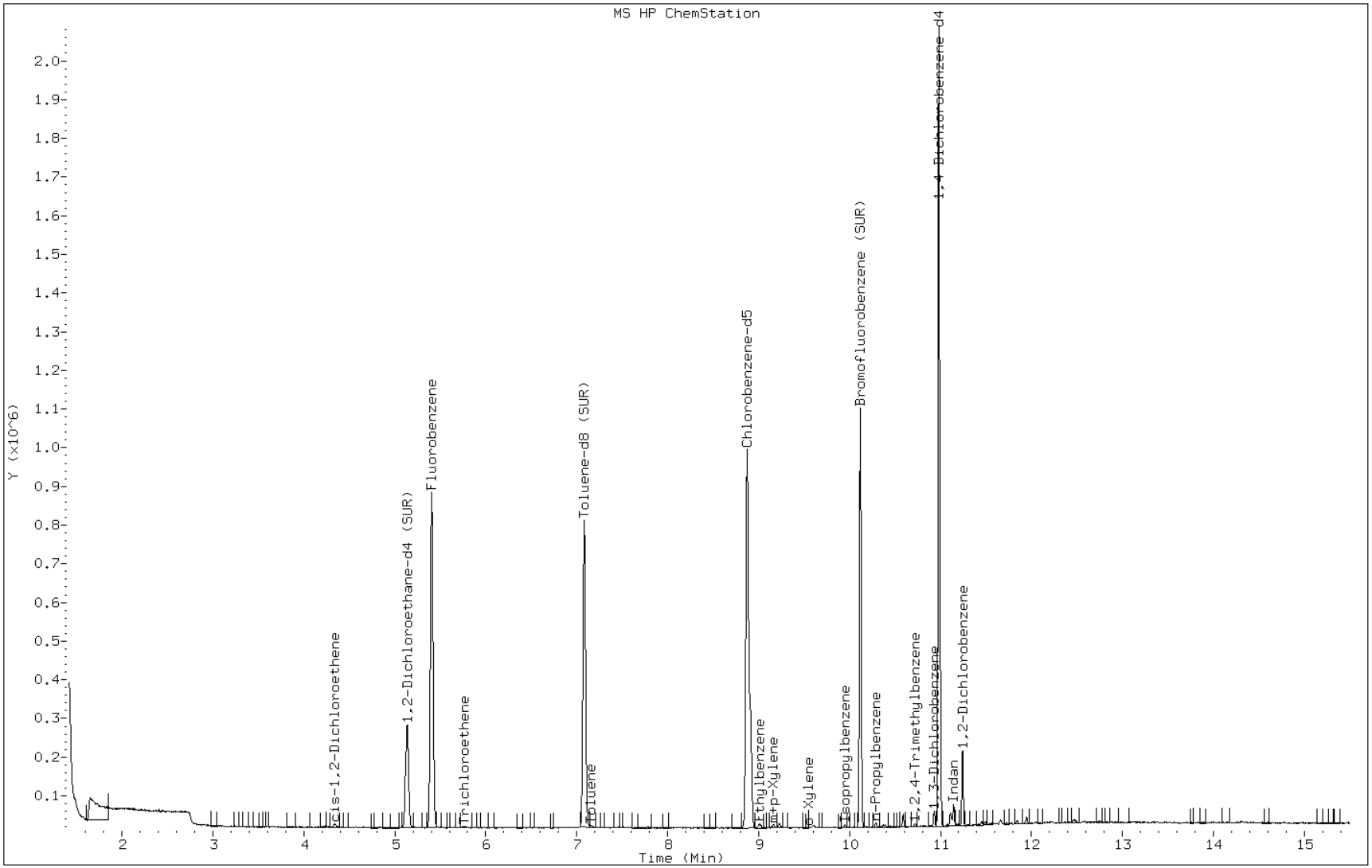
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: k09237.d

Date: 06-FEB-2013 12:58

Client ID: MW-1 Instrument: VOAMS9.i

Sample Info: 460-50248-A-2 Operator:



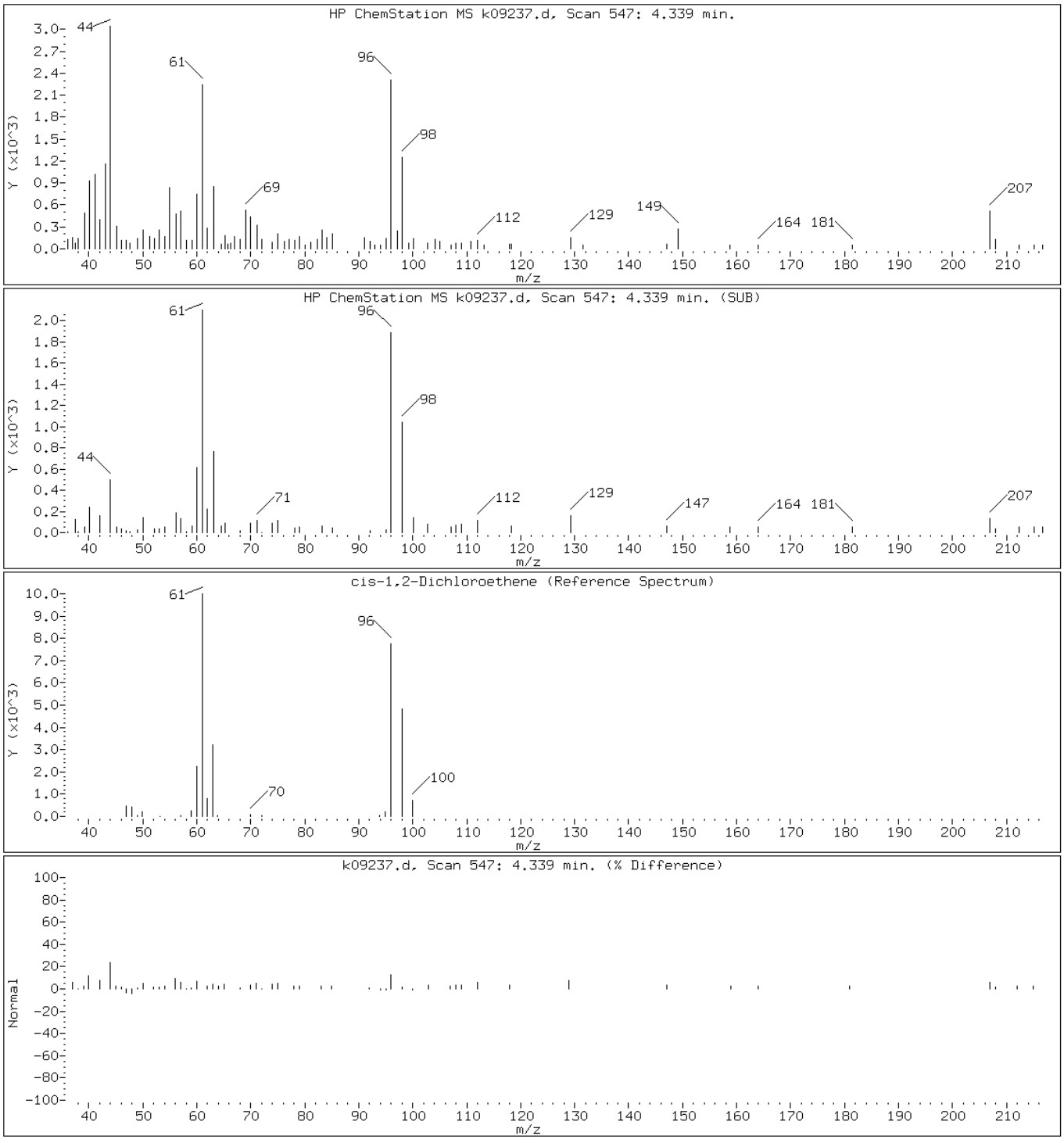
Data File: k09237.d

Date: 06-FEB-2013 12:58

Client ID: MW-1 Instrument: VOAMS9.i

Sample Info: 460-50248-A-2 Operator:

36 cis-1,2-Dichloroethene



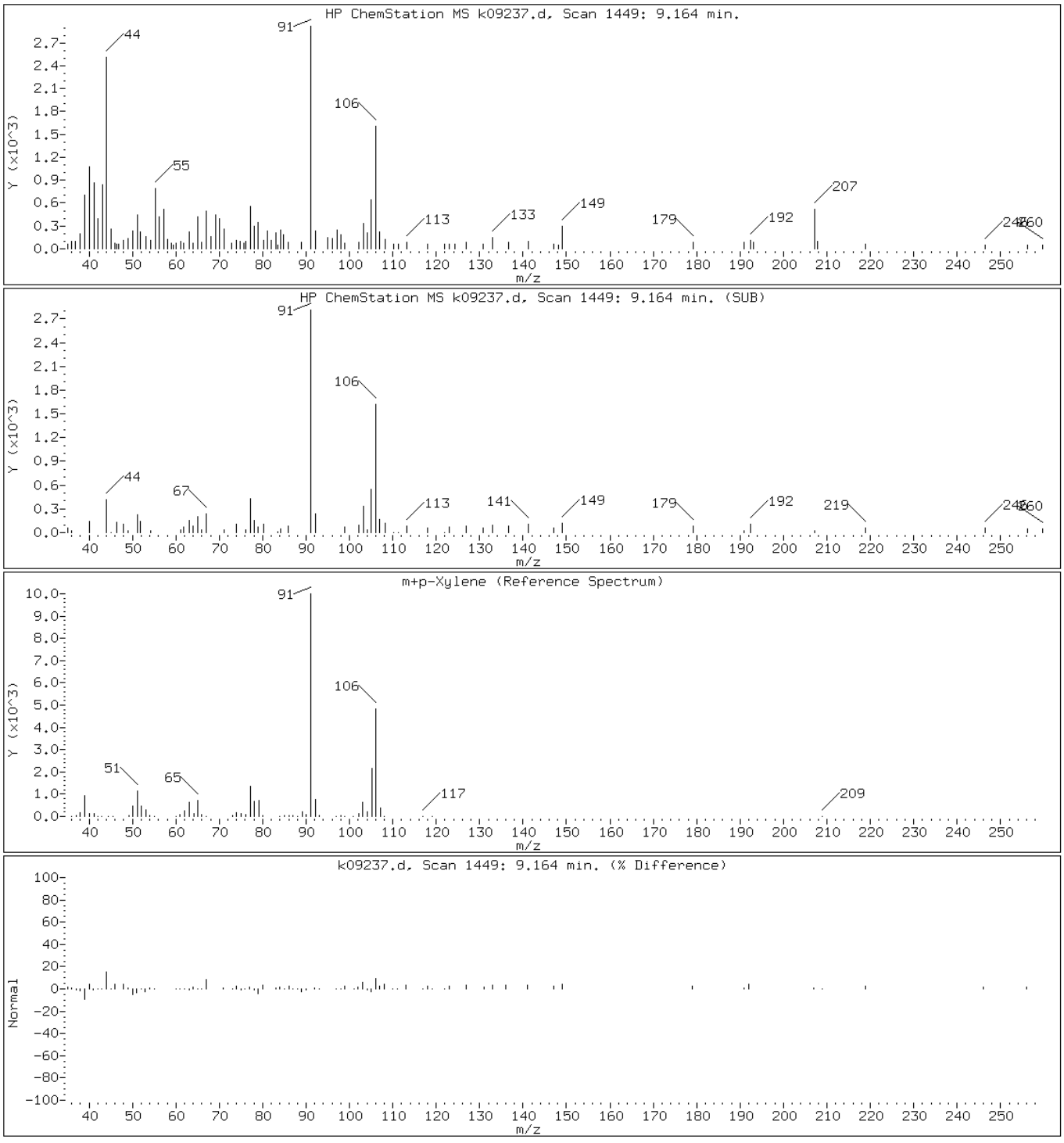
Data File: k09237.d

Date: 06-FEB-2013 12:58

Client ID: MW-1 Instrument: VOAMS9.i

Sample Info: 460-50248-A-2 Operator:

82 m+p-Xylene



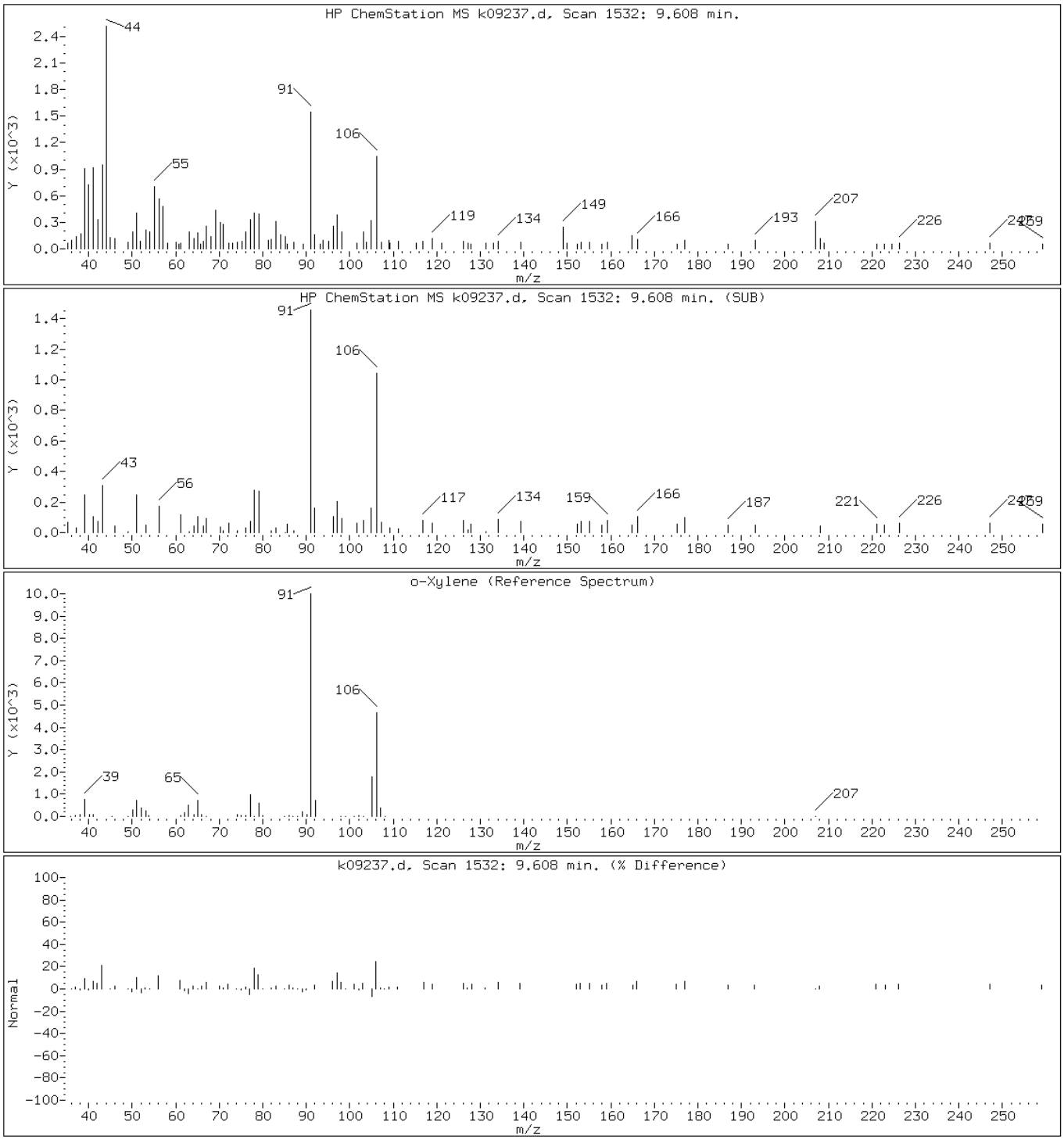
Data File: k09237.d

Date: 06-FEB-2013 12:58

Client ID: MW-1 Instrument: VOAMS9.i

Sample Info: 460-50248-A-2 Operator:

84 o-Xylene



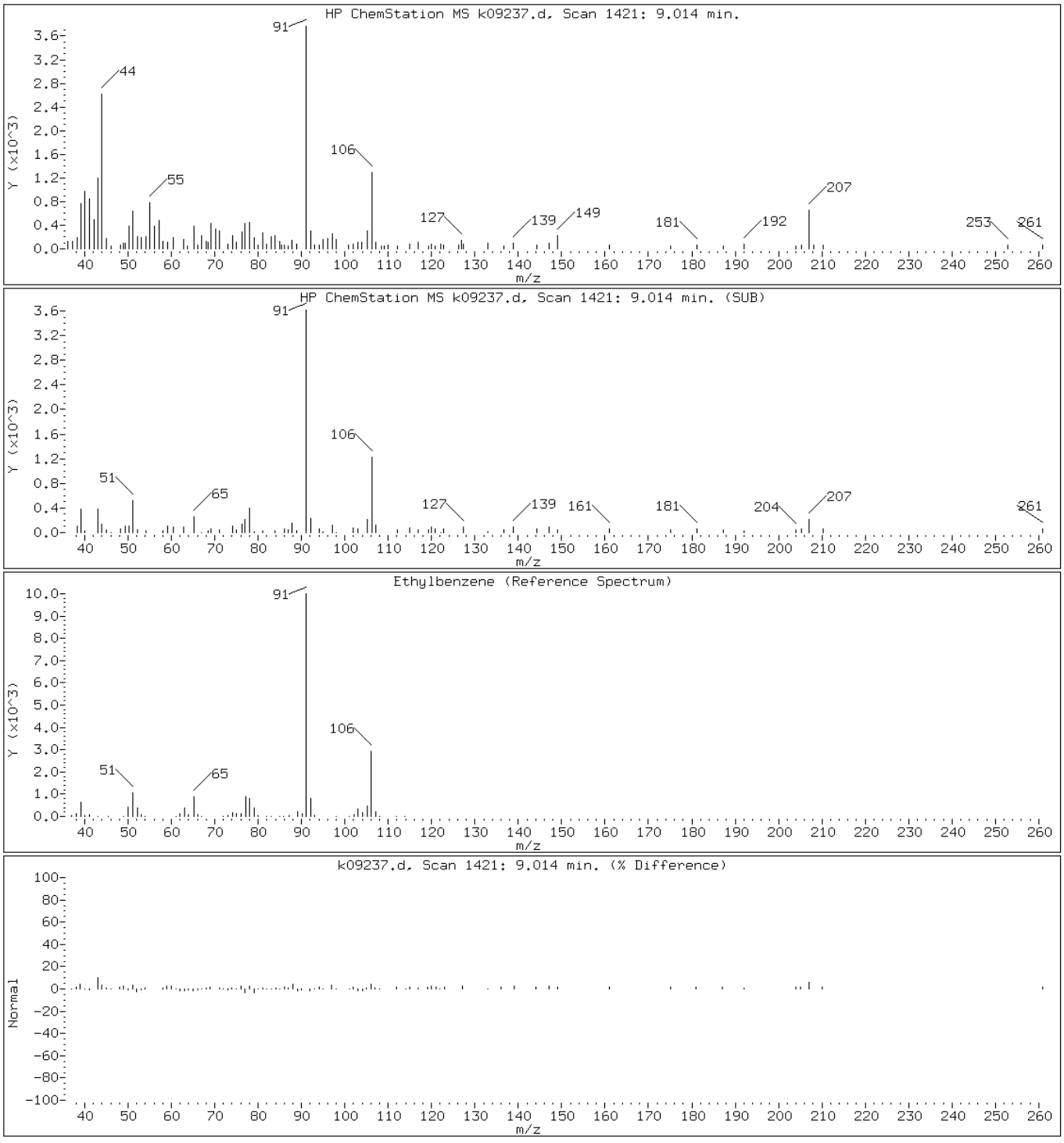
Data File: k09237.d

Date: 06-FEB-2013 12:58

Client ID: MW-1 Instrument: VOAMS9.i

Sample Info: 460-50248-A-2 Operator:

81 Ethylbenzene



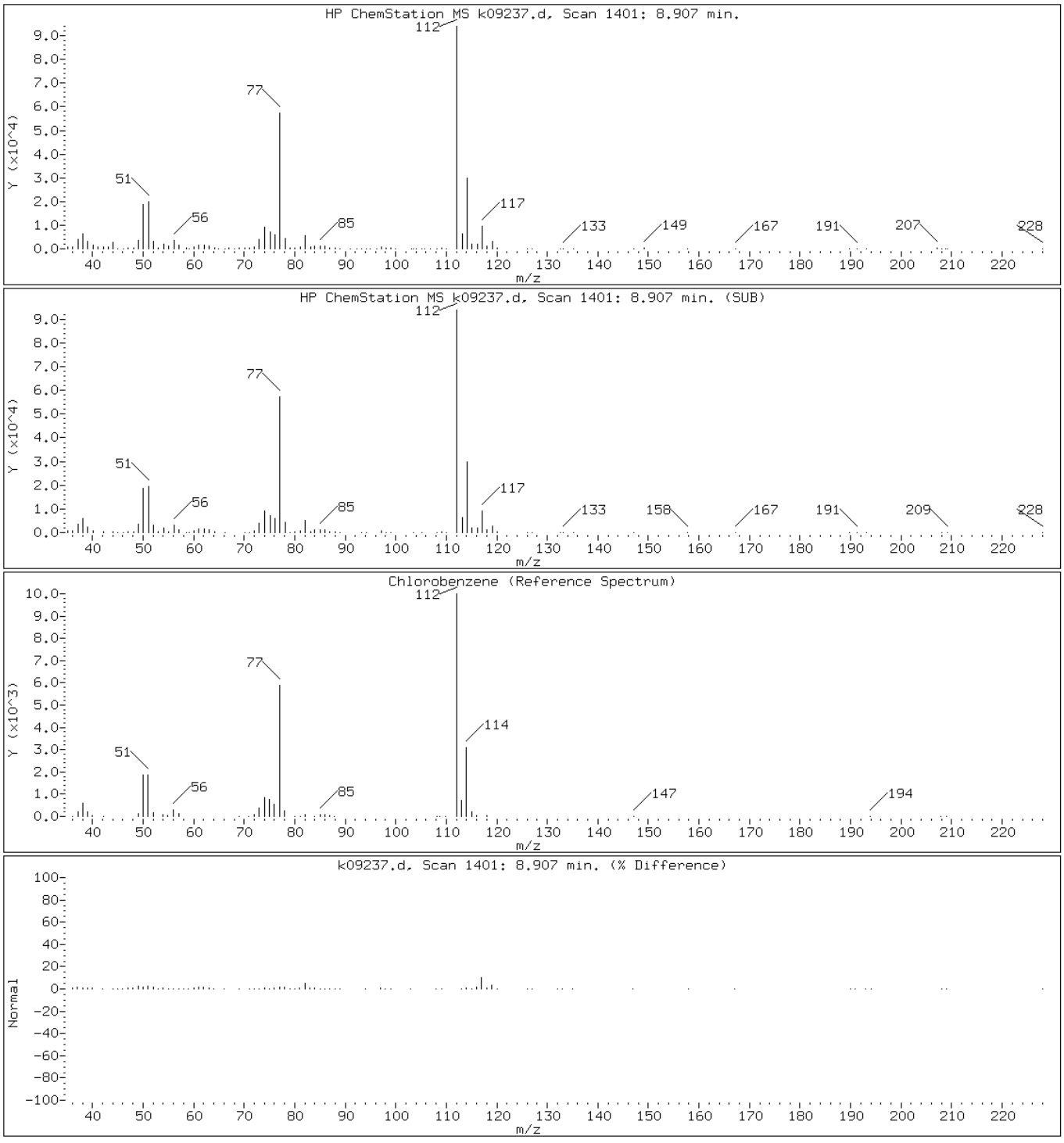
Data File: k09237.d

Date: 06-FEB-2013 12:58

Client ID: MW-1 Instrument: VOAMS9.i

Sample Info: 460-50248-A-2 Operator:

79 Chlorobenzene



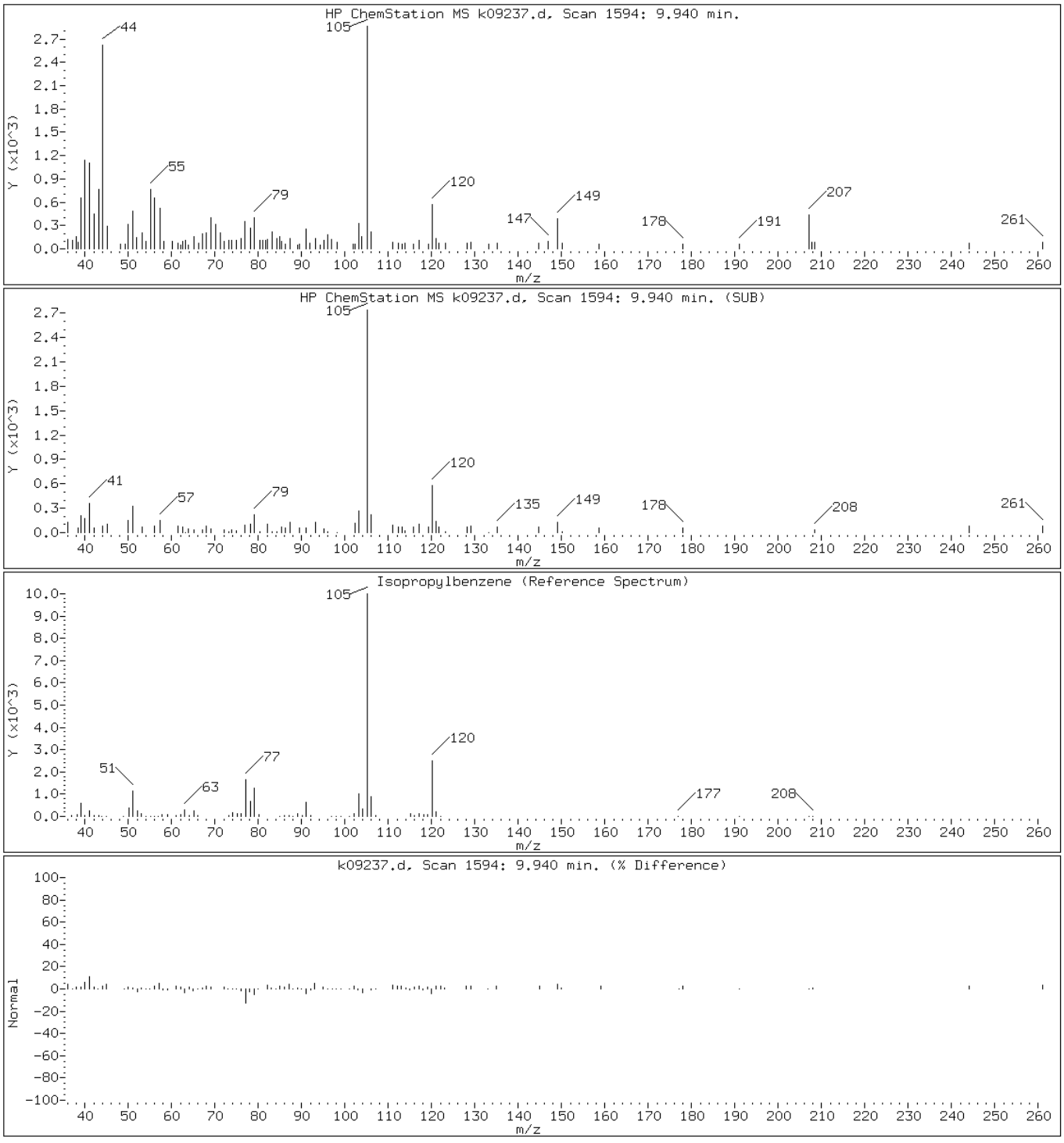
Data File: k09237.d

Date: 06-FEB-2013 12:58

Client ID: MW-1 Instrument: VOAMS9.i

Sample Info: 460-50248-A-2 Operator:

88 Isopropylbenzene



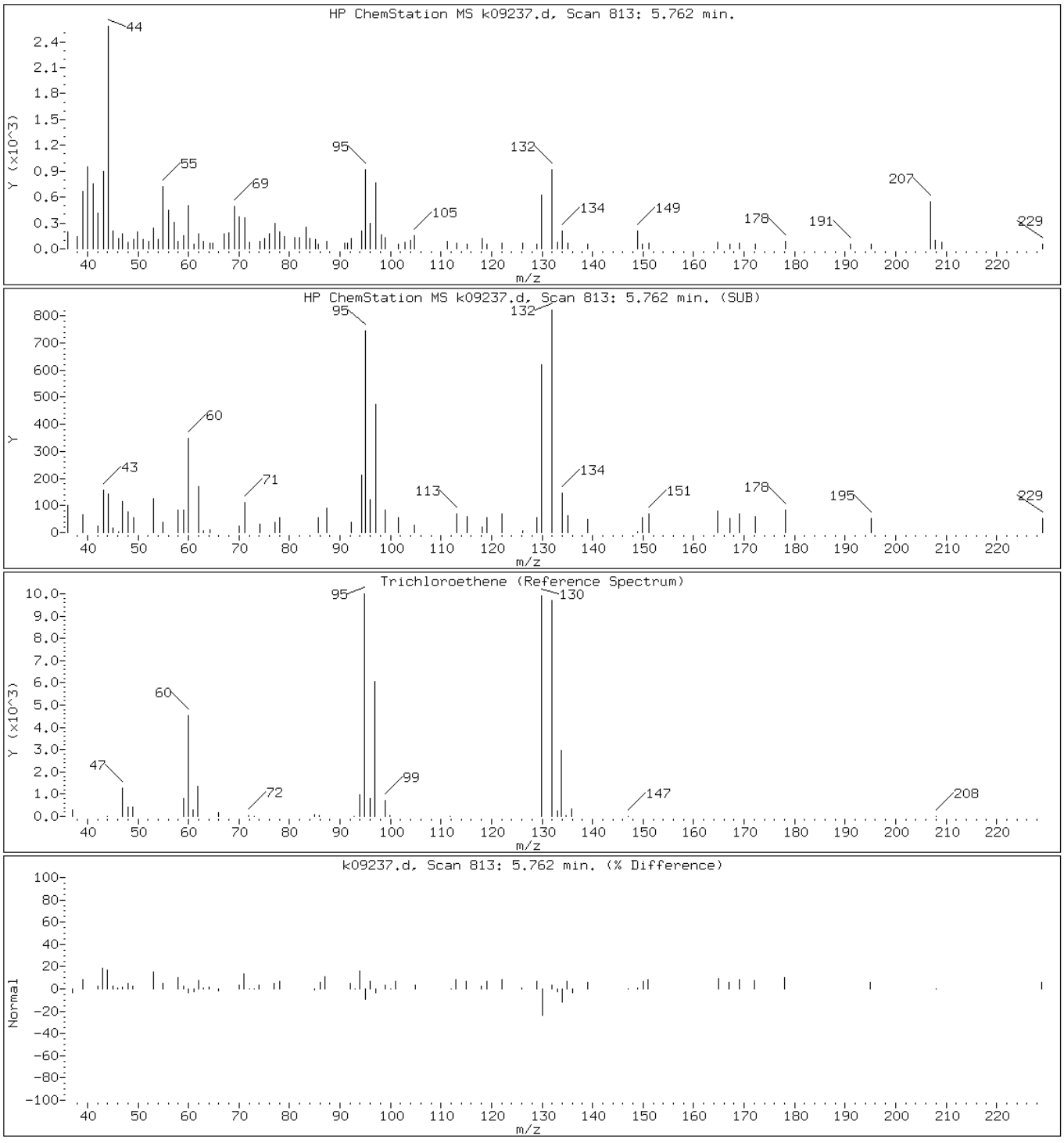
Data File: k09237.d

Date: 06-FEB-2013 12:58

Client ID: MW-1 Instrument: VOAMS9.i

Sample Info: 460-50248-A-2 Operator:

54 Trichloroethene



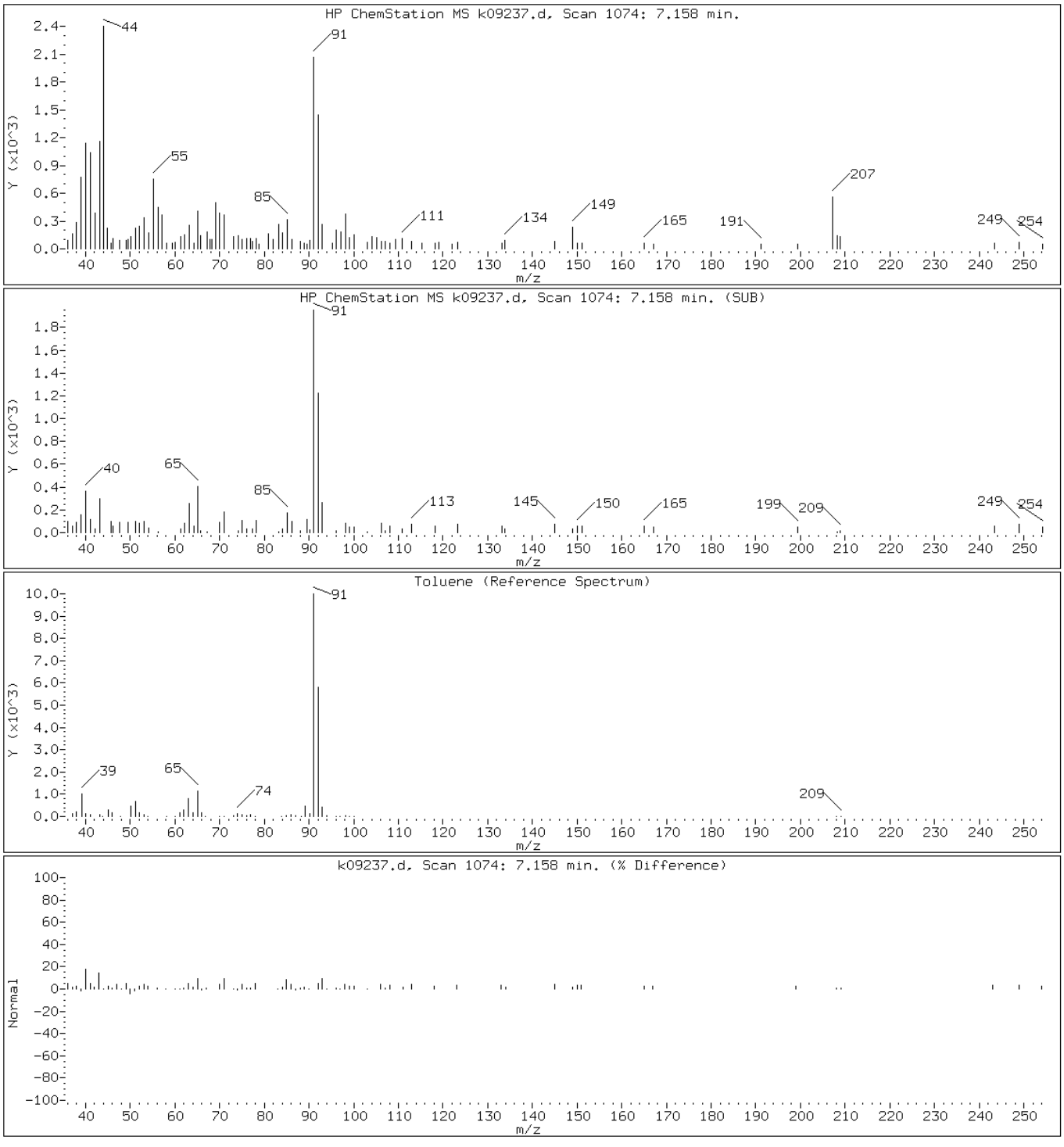
Data File: k09237.d

Date: 06-FEB-2013 12:58

Client ID: MW-1 Instrument: VOAMS9.i

Sample Info: 460-50248-A-2 Operator:

66 Toluene



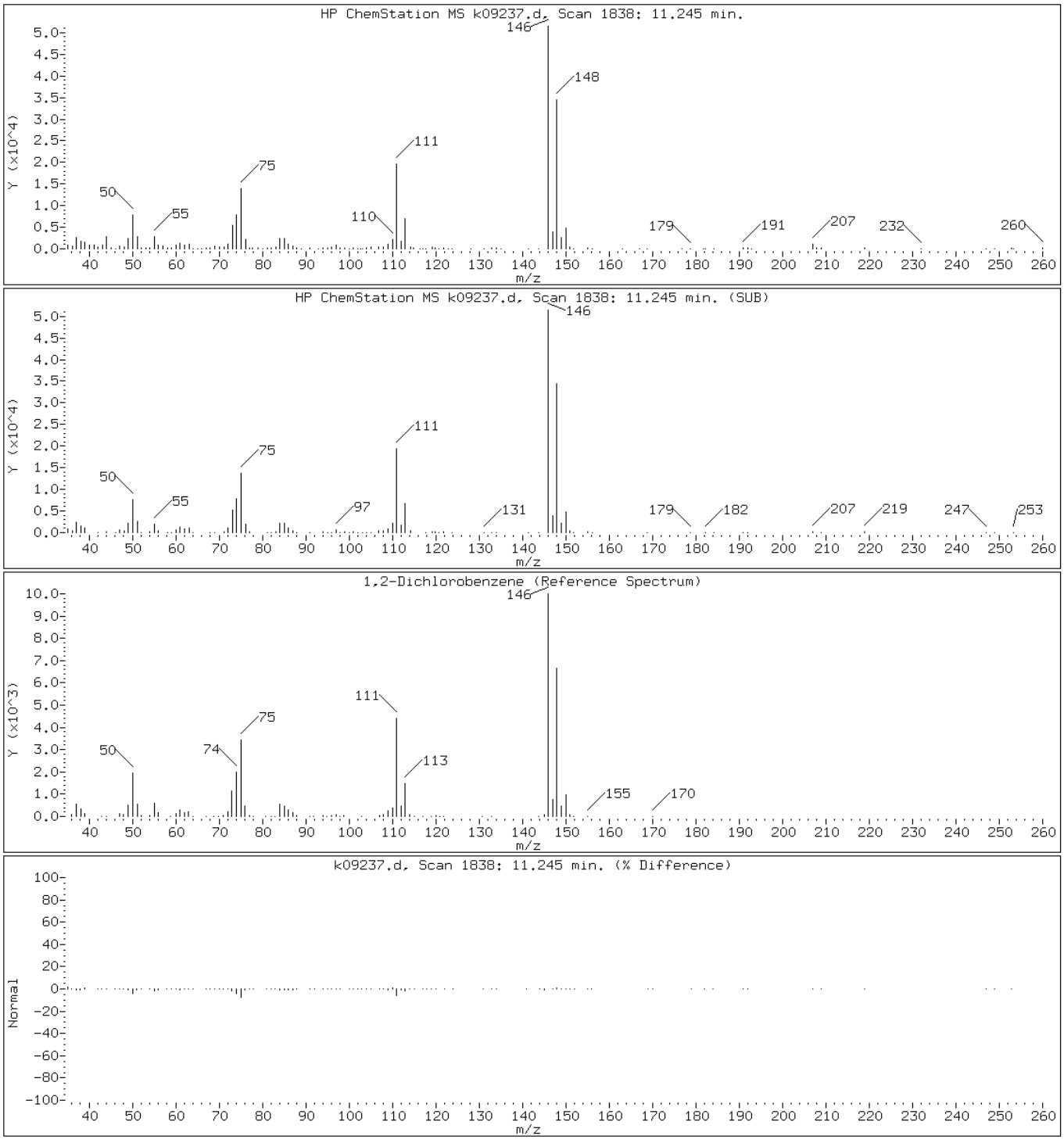
Data File: k09237.d

Date: 06-FEB-2013 12:58

Client ID: MW-1 Instrument: VOAMS9.i

Sample Info: 460-50248-A-2 Operator:

111 1,2-Dichlorobenzene



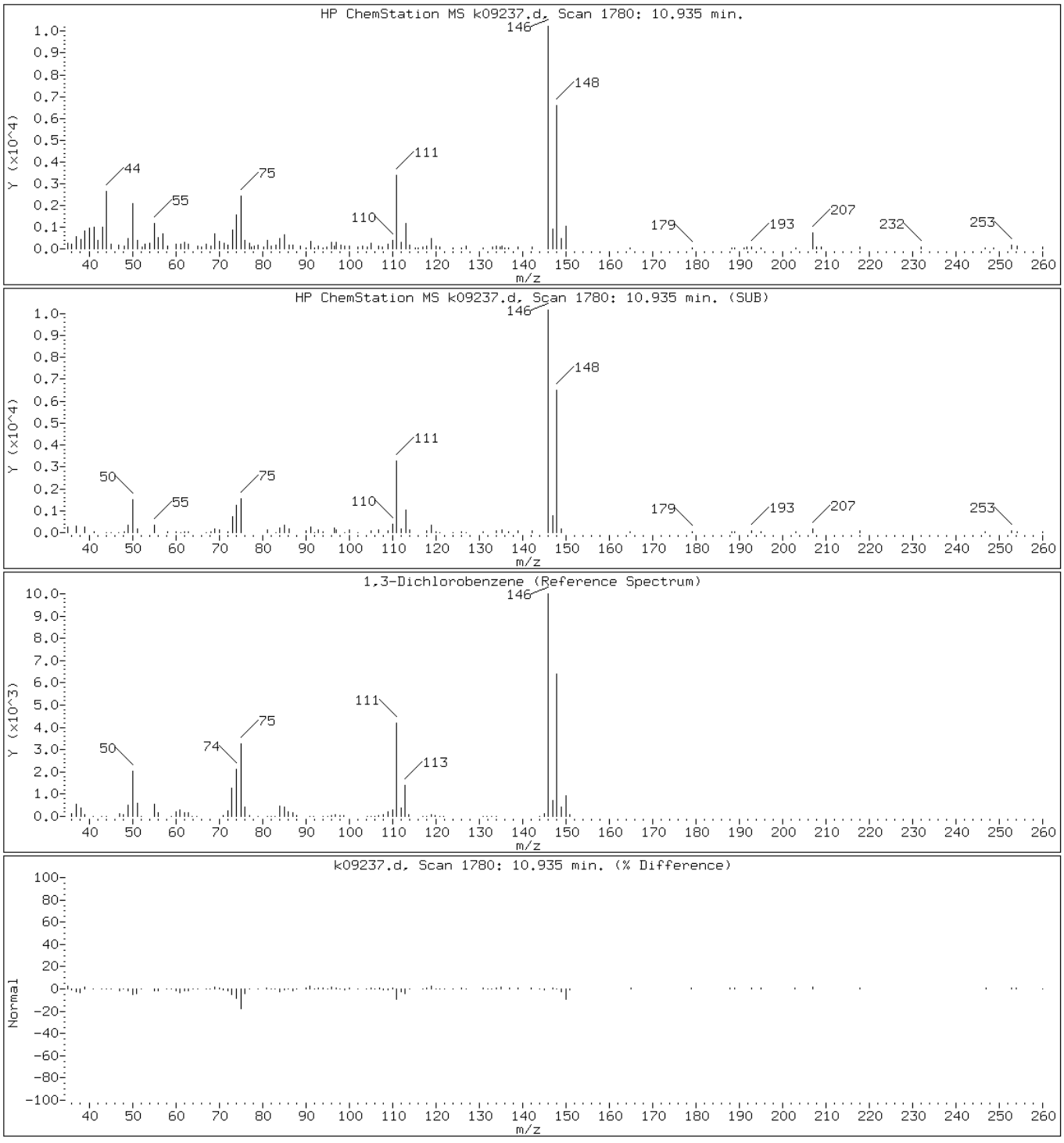
Data File: k09237.d

Date: 06-FEB-2013 12:58

Client ID: MW-1 Instrument: VOAMS9.i

Sample Info: 460-50248-A-2 Operator:

105 1,3-Dichlorobenzene



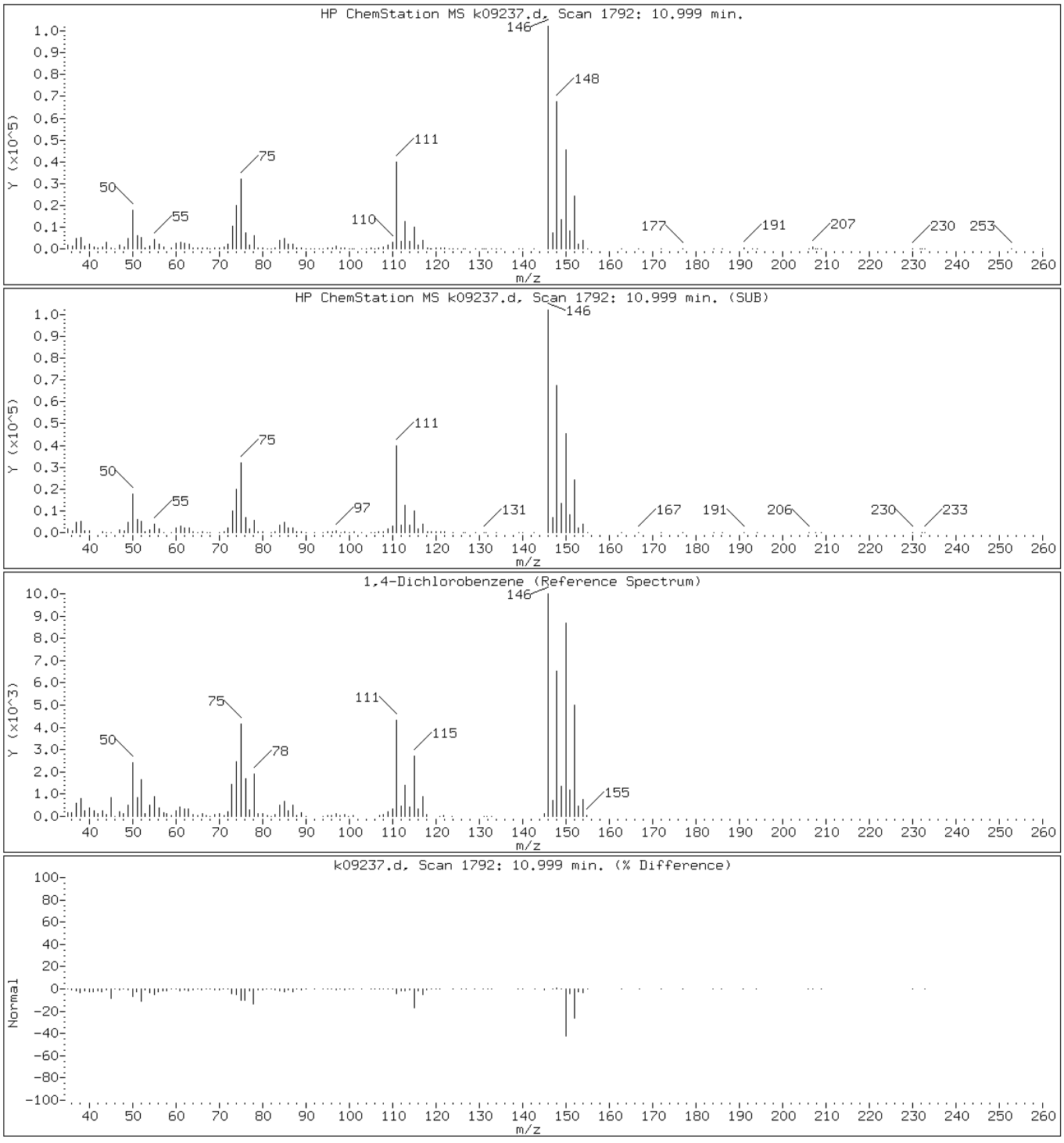
Data File: k09237.d

Date: 06-FEB-2013 12:58

Client ID: MW-1 Instrument: VOAMS9.i

Sample Info: 460-50248-A-2 Operator:

109 1,4-Dichlorobenzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-3 Lab Sample ID: 460-50248-3

Matrix: Water Lab File ID: k09238.d

Analysis Method: 8260B Date Collected: 01/31/2013 09:45

Sample wt/vol: 5(mL) Date Analyzed: 02/06/2013 13:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 146197 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.10
74-83-9	Bromomethane	1.0	U	1.0	0.18
75-01-4	Vinyl chloride	1.0	U	1.0	0.14
75-00-3	Chloroethane	1.0	U	1.0	0.17
75-09-2	Methylene Chloride	1.0	U	1.0	0.18
67-64-1	Acetone	5.0	U	5.0	2.7
75-15-0	Carbon disulfide	1.0	U	1.0	0.13
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.15
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.090
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.18
67-66-3	Chloroform	1.0	U	1.0	0.080
78-93-3	2-Butanone	5.0	U	5.0	2.3
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.19
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.060
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.060
71-43-2	Benzene	1.0	U	1.0	0.080
75-25-2	Bromoform	1.0	U	1.0	0.19
100-42-5	Styrene	1.0	U	1.0	0.12
179601-23-1	m&p-Xylene	2.0	U	2.0	0.25
95-47-6	o-Xylene	1.0	U	1.0	0.13
100-41-4	Ethylbenzene	1.0	U	1.0	0.10
108-90-7	Chlorobenzene	2.0		1.0	0.11
110-82-7	Cyclohexane	1.0	U	1.0	0.16
98-82-8	Isopropylbenzene	1.0	U	1.0	0.080
591-78-6	2-Hexanone	5.0	U	5.0	0.50
1634-04-4	MTBE	1.0	U	1.0	0.14
76-13-1	Freon TF	1.0	U	1.0	0.080
79-20-9	Methyl acetate	2.0	U	2.0	0.34
123-91-1	1,4-Dioxane	50	U	50	36
79-01-6	Trichloroethene	1.0	U	1.0	0.090
108-88-3	Toluene	1.0	U	1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.24
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.99
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-3 | Lab Sample ID: 460-50248-3

Matrix: Water | Lab File ID: k09238.d

Analysis Method: 8260B | Date Collected: 01/31/2013 09:45

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2013 13:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

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

Analysis Batch No.: 146197 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	1.8		1.0	0.21
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.14
106-46-7	1,4-Dichlorobenzene	1.3		1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.51
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.090
108-87-2	Methylcyclohexane	1.0	U	1.0	0.14
127-18-4	Tetrachloroethene	0.39	J	1.0	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.40
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.16
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.19
124-48-1	Dibromochloromethane	1.0	U	1.0	0.20
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.28
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.22
74-97-5	Bromochloromethane	1.0	U	1.0	0.27
75-27-4	Bromodichloromethane	1.0	U	1.0	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		70-130
2037-26-5	Toluene-d8 (Surr)	86		70-130
460-00-4	Bromofluorobenzene	96		70-130

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09238.d
Report Date: 06-Feb-2013 15:00

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09238.d
Lab Smp Id: 460-50248-A-3 Client Smp ID: MW-3
Inj Date : 06-FEB-2013 13:22
Operator : Inst ID: VOAMS9.i
Smp Info : 460-50248-A-3
Misc Info : 460-50248-A-3
Comment :
Method : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/8260_09.m
Meth Date : 06-Feb-2013 08:47 desais Quant Type: ISTD
Cal Date : 25-JAN-2013 21:33 Cal File: k08903.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 47 1,2-Dichloroethane-d4 (SUR)	65	5.136	5.131	(0.950)	216506	42.6661	43
* 52 Fluorobenzene	96	5.409	5.409	(1.000)	938311	50.0000	
$ 65 Toluene-d8 (SUR)	98	7.083	7.083	(0.798)	615267	43.0004	43
71 Tetrachloroethene	166	7.784	7.768	(0.877)	1887	0.39380	0.39(a)
* 78 Chlorobenzene-d5	117	8.875	8.870	(1.000)	665083	50.0000	
79 Chlorobenzene	112	8.913	8.908	(1.004)	29158	2.02542	2.0
$ 89 Bromofluorobenzene (SUR)	174	10.122	10.117	(0.922)	257638	47.9753	48
* 108 1,4-Dichlorobenzene-d4	152	10.983	10.983	(1.000)	364104	50.0000	
109 1,4-Dichlorobenzene	146	10.999	10.999	(1.001)	15832	1.32754	1.3
111 1,2-Dichlorobenzene	146	11.245	11.240	(1.024)	21500	1.81613	1.8

QC Flag Legend

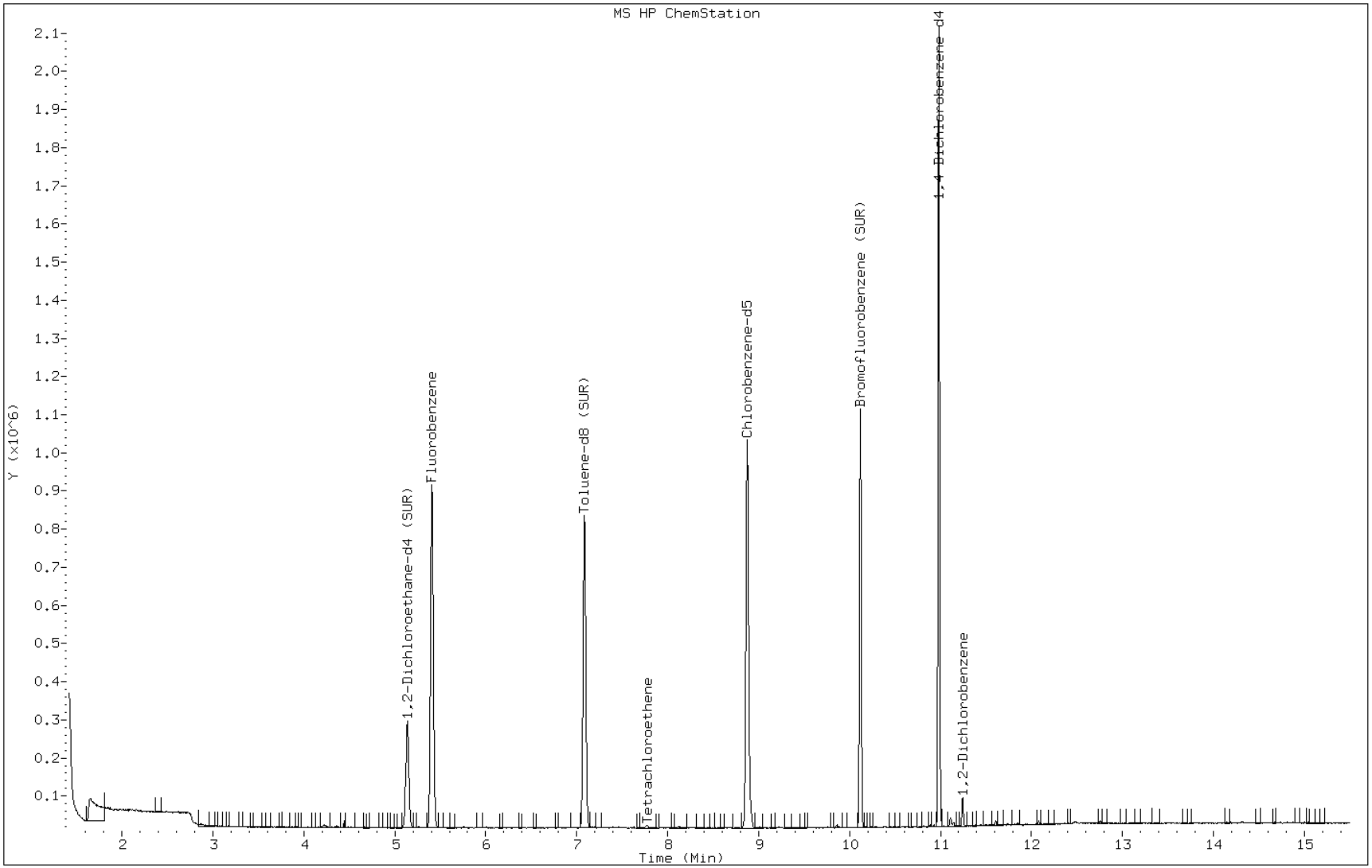
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: k09238.d

Date: 06-FEB-2013 13:22

Client ID: MW-3 Instrument: VOAMS9.i

Sample Info: 460-50248-A-3 Operator:



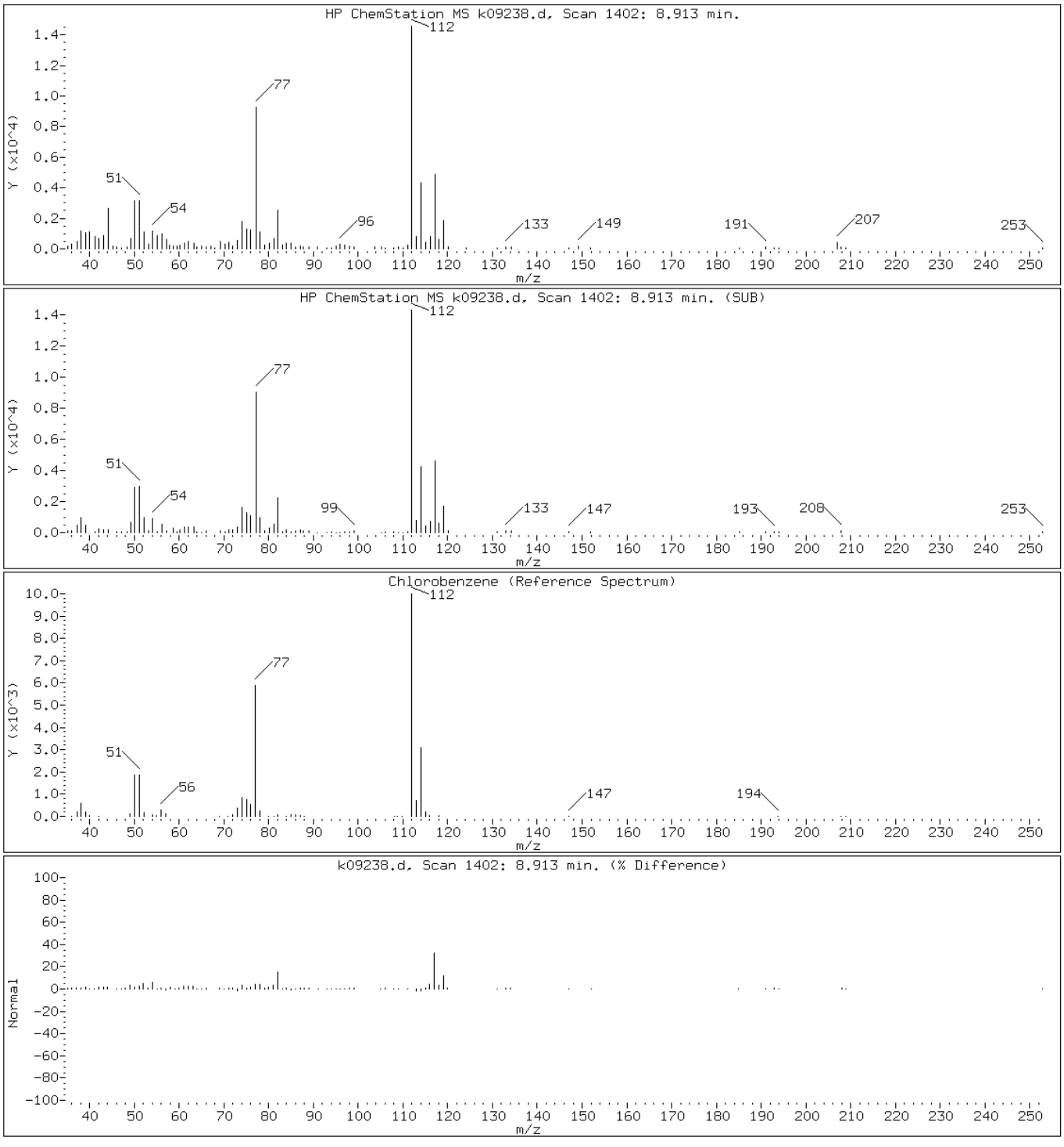
Data File: k09238.d

Date: 06-FEB-2013 13:22

Client ID: MW-3 Instrument: VOAMS9.i

Sample Info: 460-50248-A-3 Operator:

79 Chlorobenzene



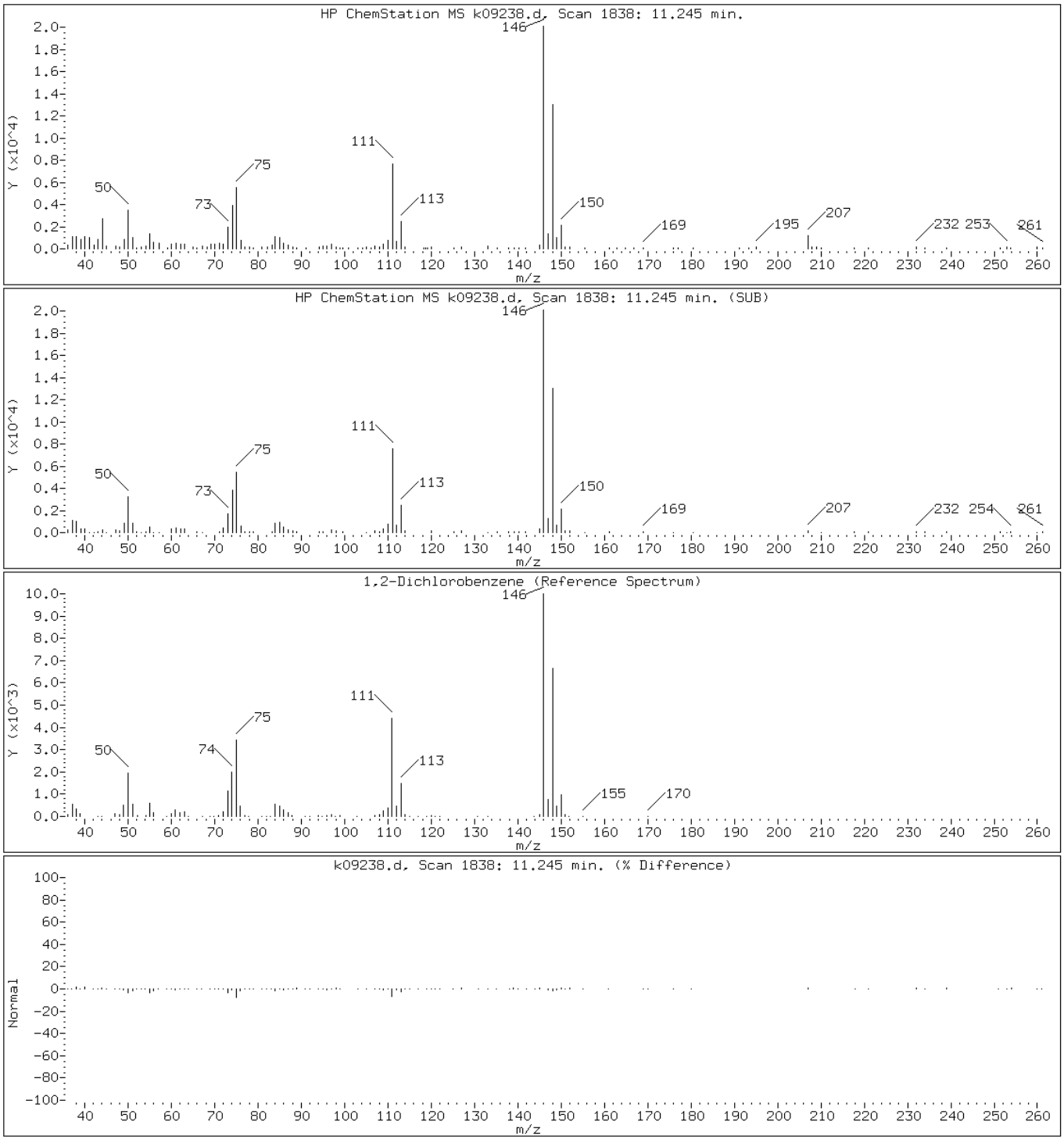
Data File: k09238.d

Date: 06-FEB-2013 13:22

Client ID: MW-3 Instrument: VOAMS9.i

Sample Info: 460-50248-A-3 Operator:

111 1,2-Dichlorobenzene



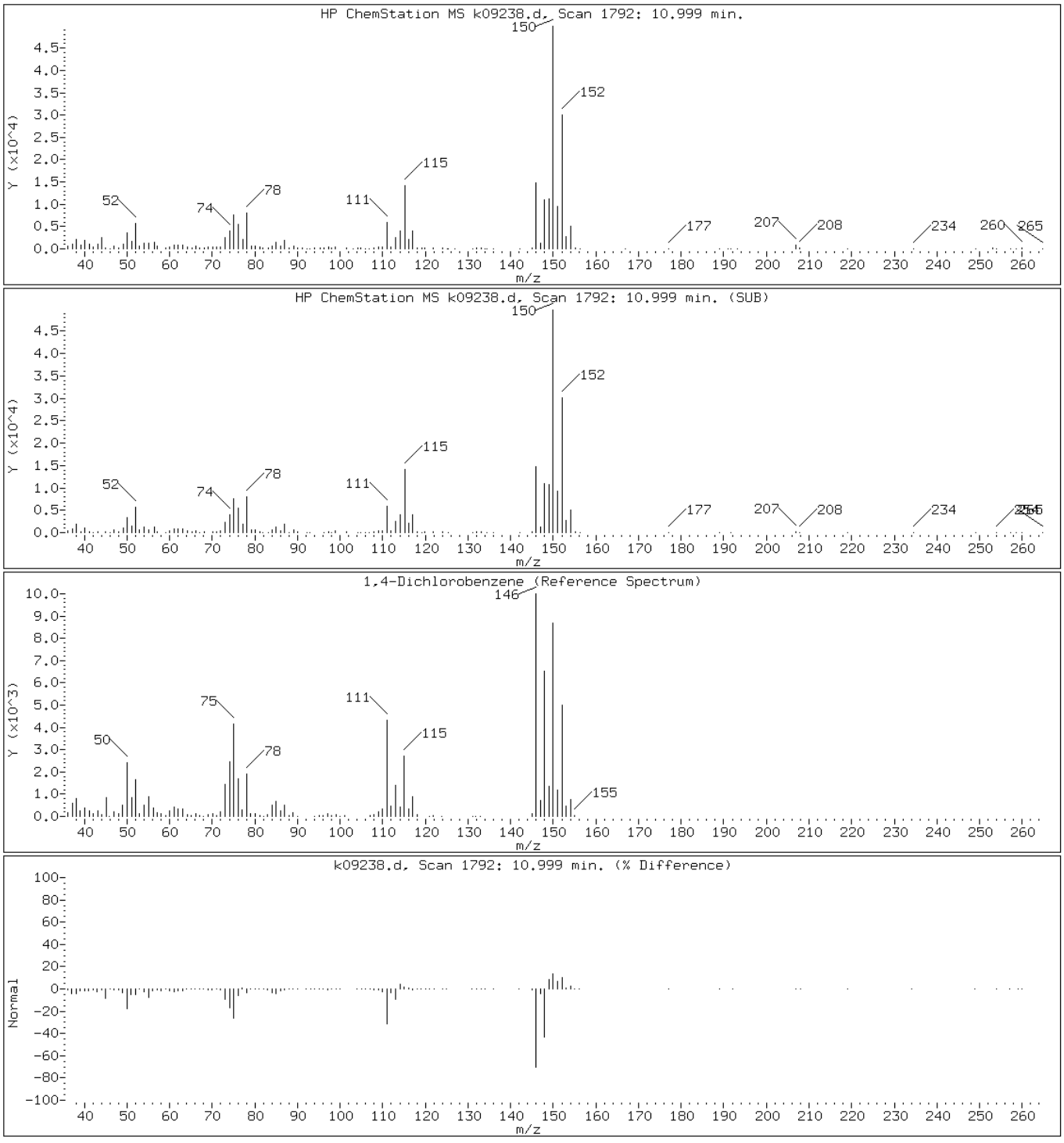
Data File: k09238.d

Date: 06-FEB-2013 13:22

Client ID: MW-3 Instrument: VOAMS9.i

Sample Info: 460-50248-A-3 Operator:

109 1,4-Dichlorobenzene



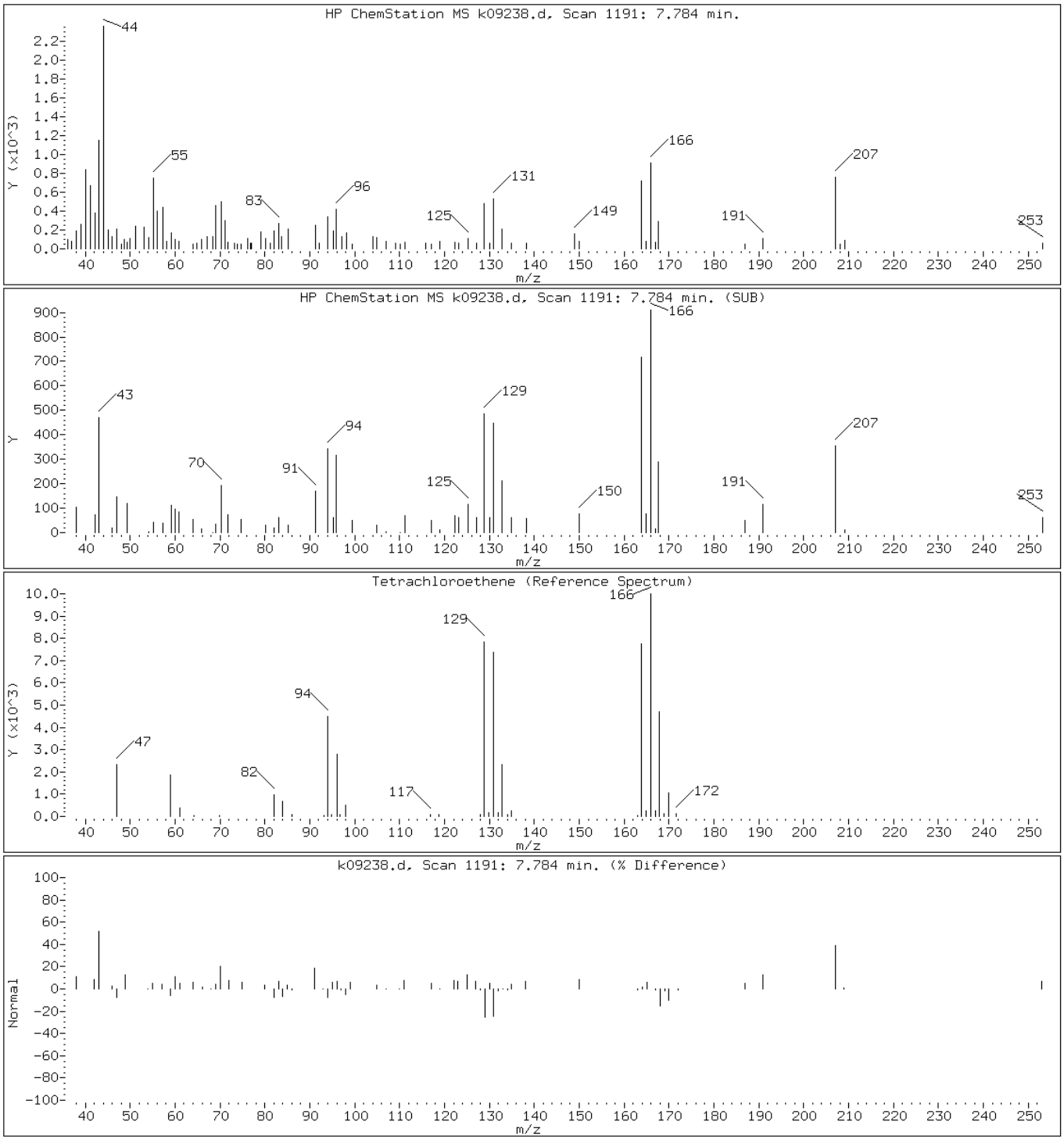
Data File: k09238.d

Date: 06-FEB-2013 13:22

Client ID: MW-3 Instrument: VOAMS9.i

Sample Info: 460-50248-A-3 Operator:

71 Tetrachloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-2 | Lab Sample ID: 460-50248-4

Matrix: Water | Lab File ID: k09239.d

Analysis Method: 8260B | Date Collected: 01/31/2013 11:00

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2013 13:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

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

Analysis Batch No.: 146197 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.10
74-83-9	Bromomethane	1.0	U	1.0	0.18
75-01-4	Vinyl chloride	1.0	U	1.0	0.14
75-00-3	Chloroethane	1.0	U	1.0	0.17
75-09-2	Methylene Chloride	1.0	U	1.0	0.18
67-64-1	Acetone	5.0	U	5.0	2.7
75-15-0	Carbon disulfide	1.0	U	1.0	0.13
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.15
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.090
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	0.61	J	1.0	0.18
67-66-3	Chloroform	1.0	U	1.0	0.080
78-93-3	2-Butanone	5.0	U	5.0	2.3
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.19
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.060
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.060
71-43-2	Benzene	1.0	U	1.0	0.080
75-25-2	Bromoform	1.0	U	1.0	0.19
100-42-5	Styrene	1.0	U	1.0	0.12
179601-23-1	m&p-Xylene	2.0	U	2.0	0.25
95-47-6	o-Xylene	1.0	U	1.0	0.13
100-41-4	Ethylbenzene	0.17	J	1.0	0.10
108-90-7	Chlorobenzene	15		1.0	0.11
110-82-7	Cyclohexane	1.0	U	1.0	0.16
98-82-8	Isopropylbenzene	1.0	U	1.0	0.080
591-78-6	2-Hexanone	5.0	U	5.0	0.50
1634-04-4	MTBE	1.0	U	1.0	0.14
76-13-1	Freon TF	1.0	U	1.0	0.080
79-20-9	Methyl acetate	2.0	U	2.0	0.34
123-91-1	1,4-Dioxane	50	U	50	36
79-01-6	Trichloroethene	0.18	J	1.0	0.090
108-88-3	Toluene	1.0	U	1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.24
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.99
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-2 | Lab Sample ID: 460-50248-4

Matrix: Water | Lab File ID: k09239.d

Analysis Method: 8260B | Date Collected: 01/31/2013 11:00

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2013 13:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

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

Analysis Batch No.: 146197 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	1.9		1.0	0.21
541-73-1	1,3-Dichlorobenzene	0.28	J	1.0	0.14
106-46-7	1,4-Dichlorobenzene	3.0		1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.51
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.090
108-87-2	Methylcyclohexane	1.0	U	1.0	0.14
127-18-4	Tetrachloroethene	0.25	J	1.0	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.40
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.16
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.19
124-48-1	Dibromochloromethane	1.0	U	1.0	0.20
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.28
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.22
74-97-5	Bromochloromethane	1.0	U	1.0	0.27
75-27-4	Bromodichloromethane	1.0	U	1.0	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		70-130
2037-26-5	Toluene-d8 (Surr)	90		70-130
460-00-4	Bromofluorobenzene	99		70-130

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09239.d
Report Date: 07-Feb-2013 00:55

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09239.d
Lab Smp Id: 460-50248-A-4 Client Smp ID: MW-2
Inj Date : 06-FEB-2013 13:45
Operator : Inst ID: VOAMS9.i
Smp Info : 460-50248-A-4
Misc Info : 460-50248-A-4
Comment :
Method : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/8260_09.m
Meth Date : 06-Feb-2013 08:47 desais Quant Type: ISTD
Cal Date : 25-JAN-2013 21:33 Cal File: k08903.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	36 cis-1,2-Dichloroethene	96	4.355	4.339	(0.804)	3500	0.61021	0.61(aMH)
$	47 1,2-Dichloroethane-d4 (SUR)	65	5.141	5.131	(0.950)	213341	44.2986	44
*	52 Fluorobenzene	96	5.414	5.409	(1.000)	890520	50.0000	
	54 Trichloroethene	95	5.767	5.762	(1.065)	929	0.18036	0.18(a)
$	65 Toluene-d8 (SUR)	98	7.083	7.083	(0.798)	616403	45.1652	45
	71 Tetrachloroethene	166	7.779	7.768	(0.876)	1144	0.25026	0.25(aM)
*	78 Chlorobenzene-d5	117	8.875	8.870	(1.000)	634374	50.0000	
	79 Chlorobenzene	112	8.913	8.908	(1.004)	212097	15.4460	15
	81 Ethylbenzene	106	9.009	9.009	(1.015)	1216	0.16699	0.17(a)
$	89 Bromofluorobenzene (SUR)	174	10.122	10.117	(0.922)	252489	49.3194	49
	105 1,3-Dichlorobenzene	146	10.935	10.935	(0.996)	3011	0.27710	0.28(a)
*	108 1,4-Dichlorobenzene-d4	152	10.983	10.983	(1.000)	347102	50.0000	
	109 1,4-Dichlorobenzene	146	10.999	10.999	(1.001)	33768	2.97019	3.0
	171 Indan	117	11.144	11.144	(2.058)	4213	0.20584	0.20(a)
	111 1,2-Dichlorobenzene	146	11.245	11.240	(1.024)	21627	1.91629	1.9(H)
M	120 1,2-Dichloroethene (Total)	100				3500	0.61021	0.61(a)

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09239.d
Report Date: 07-Feb-2013 00:55

QC Flag Legend

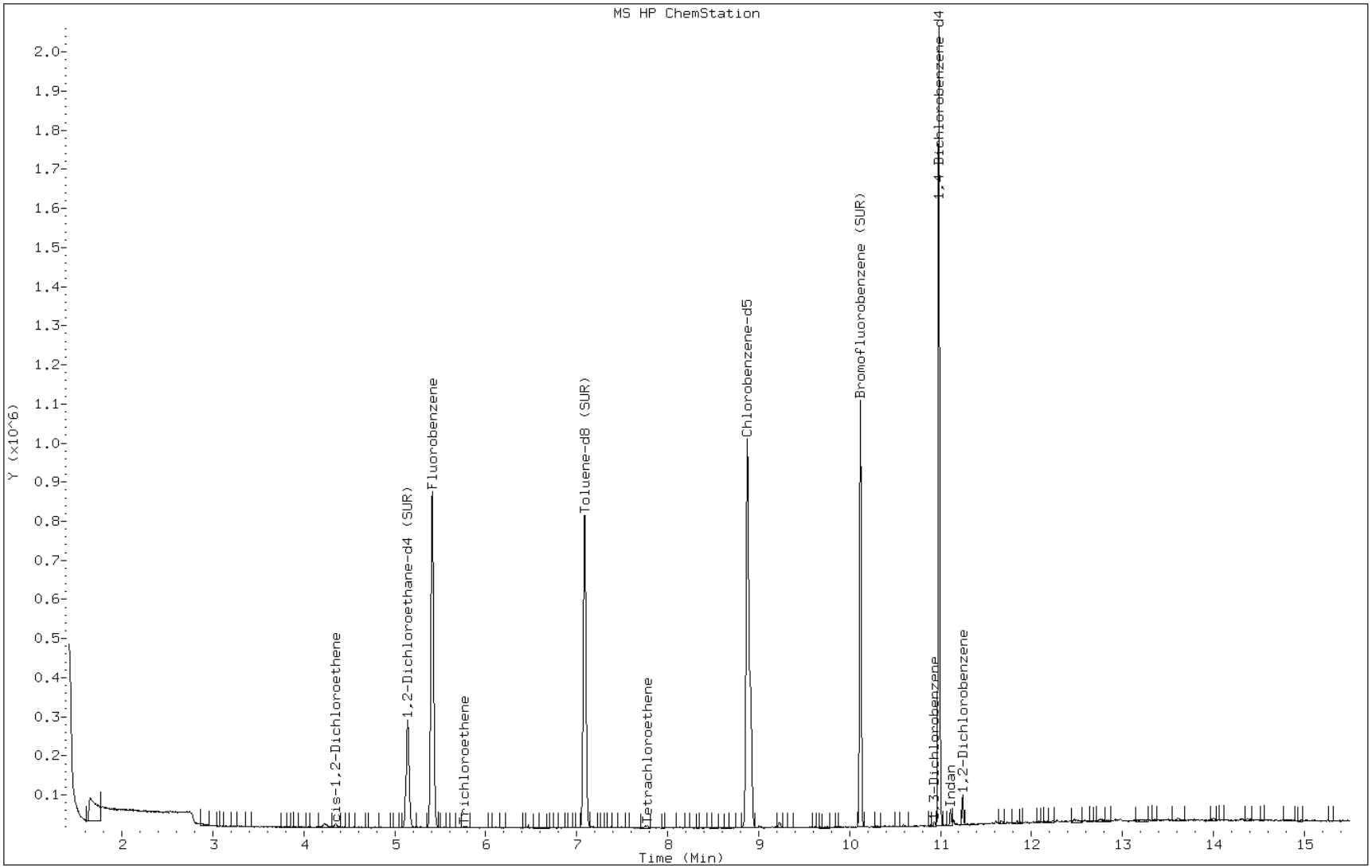
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: k09239.d

Date: 06-FEB-2013 13:45

Client ID: MW-2 Instrument: VOAMS9.i

Sample Info: 460-50248-A-4 Operator:



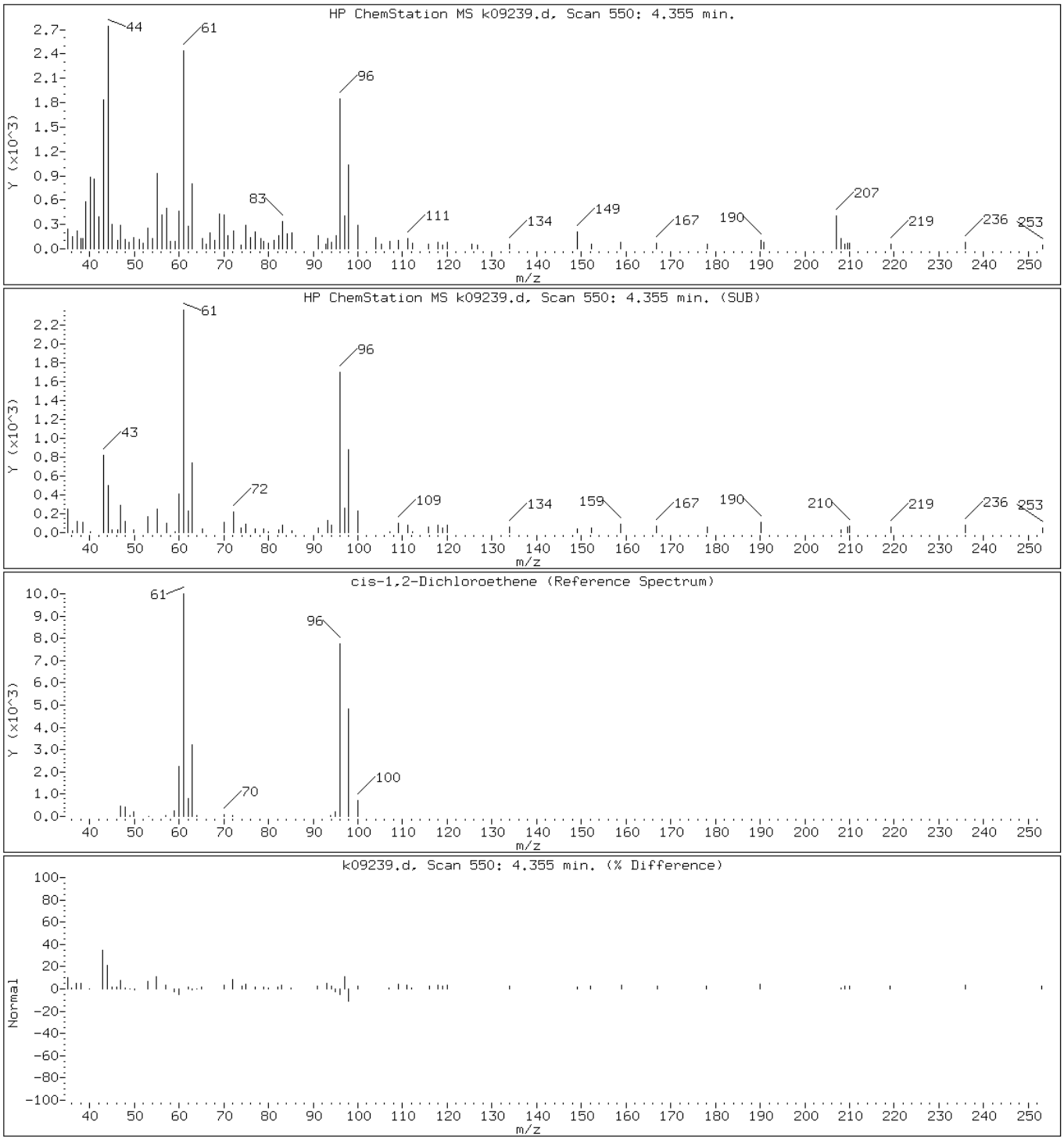
Data File: k09239.d

Date: 06-FEB-2013 13:45

Client ID: MW-2 Instrument: VOAMS9.i

Sample Info: 460-50248-A-4 Operator:

36 cis-1,2-Dichloroethene



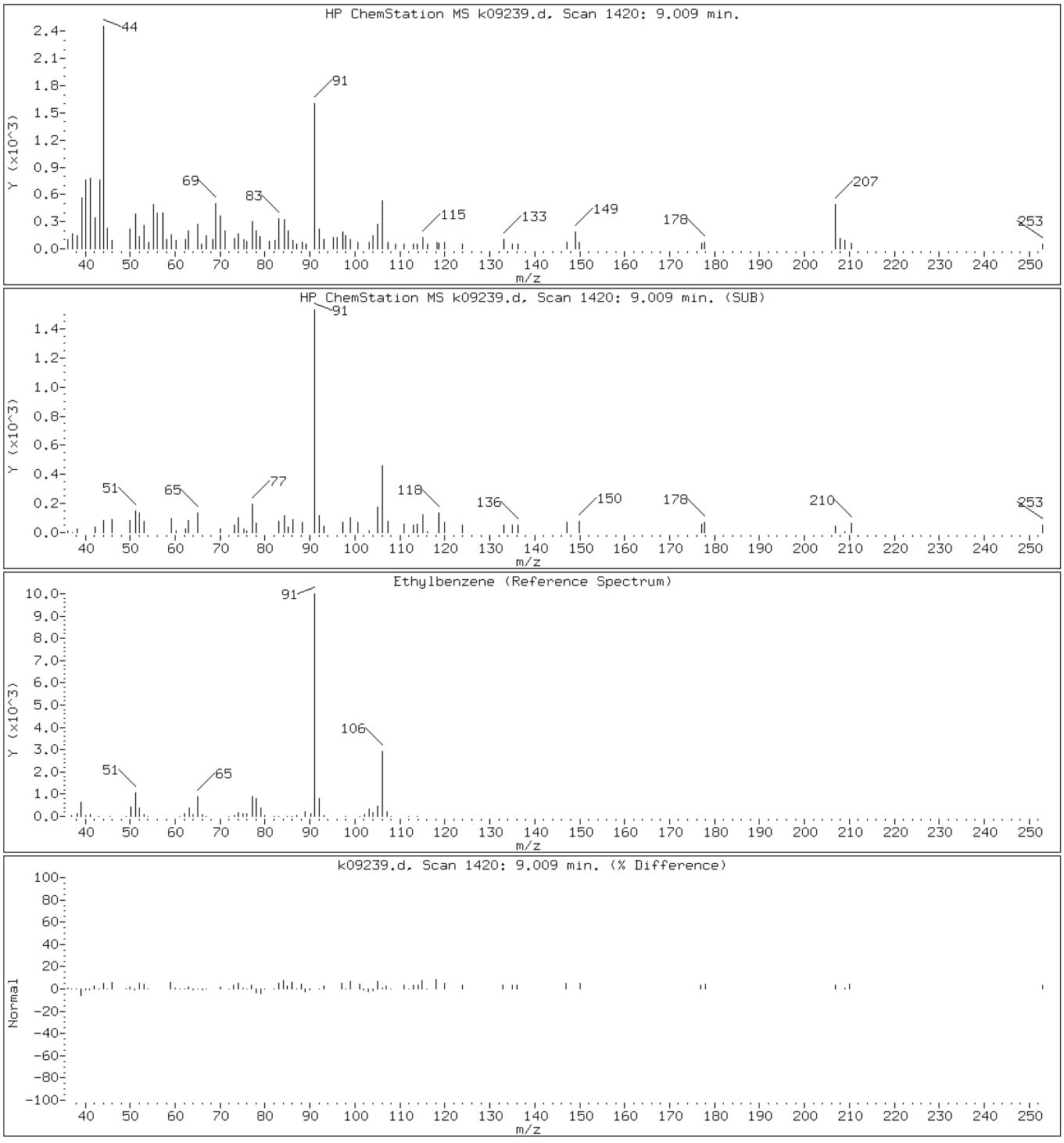
Data File: k09239.d

Date: 06-FEB-2013 13:45

Client ID: MW-2 Instrument: VOAMS9.i

Sample Info: 460-50248-A-4 Operator:

81 Ethylbenzene



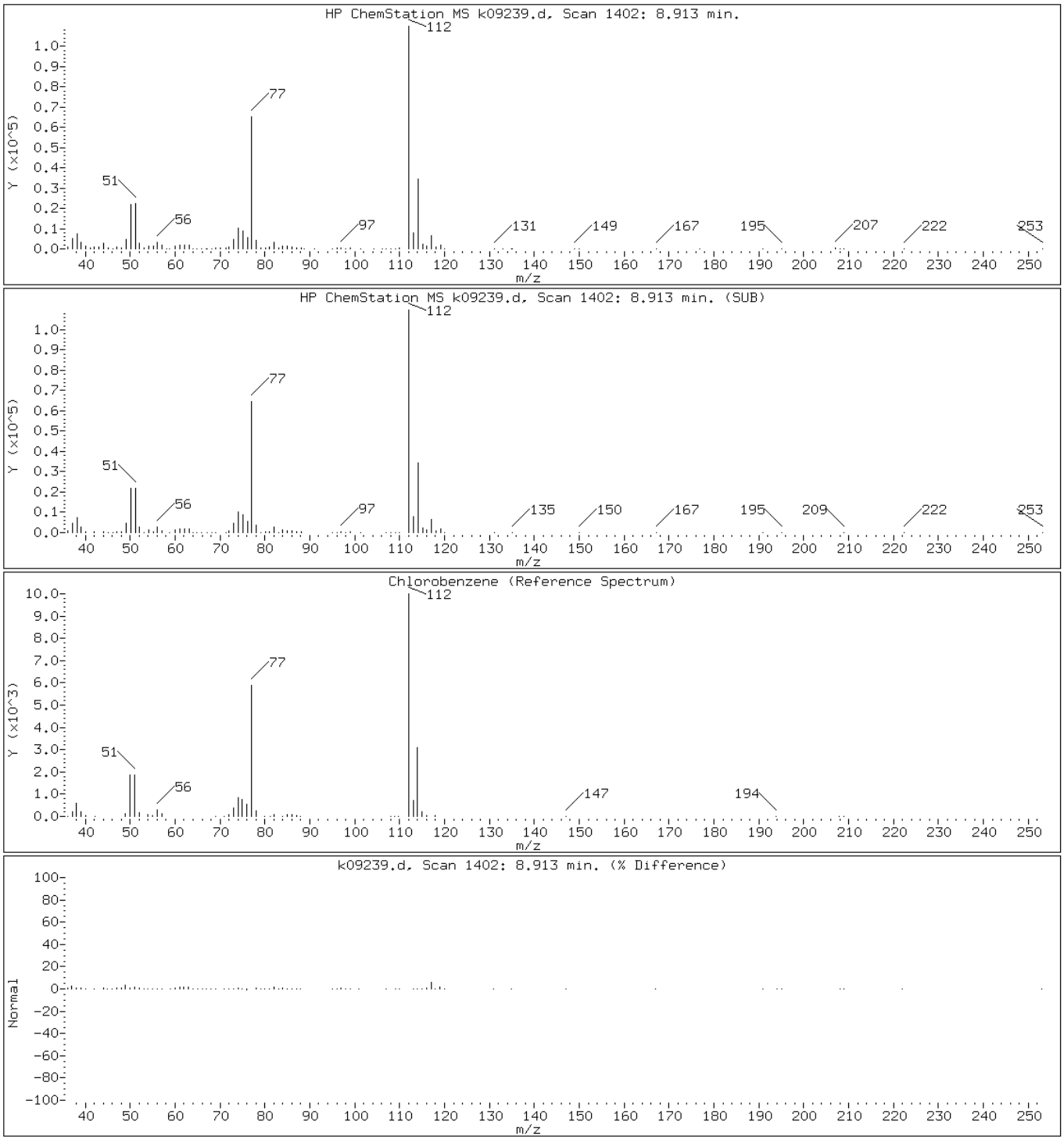
Data File: k09239.d

Date: 06-FEB-2013 13:45

Client ID: MW-2 Instrument: VOAMS9.i

Sample Info: 460-50248-A-4 Operator:

79 Chlorobenzene



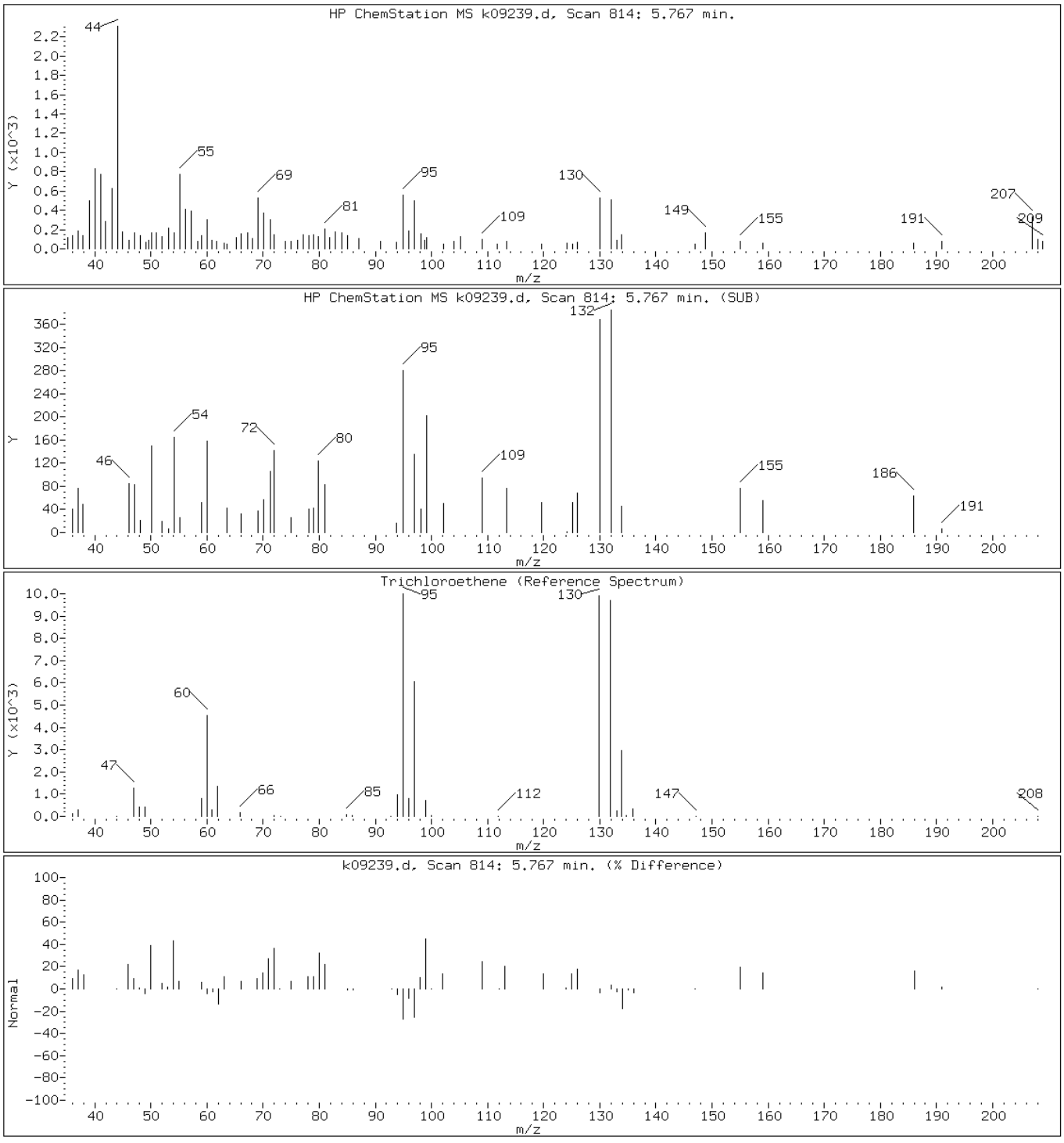
Data File: k09239.d

Date: 06-FEB-2013 13:45

Client ID: MW-2 Instrument: VOAMS9.i

Sample Info: 460-50248-A-4 Operator:

54 Trichloroethene



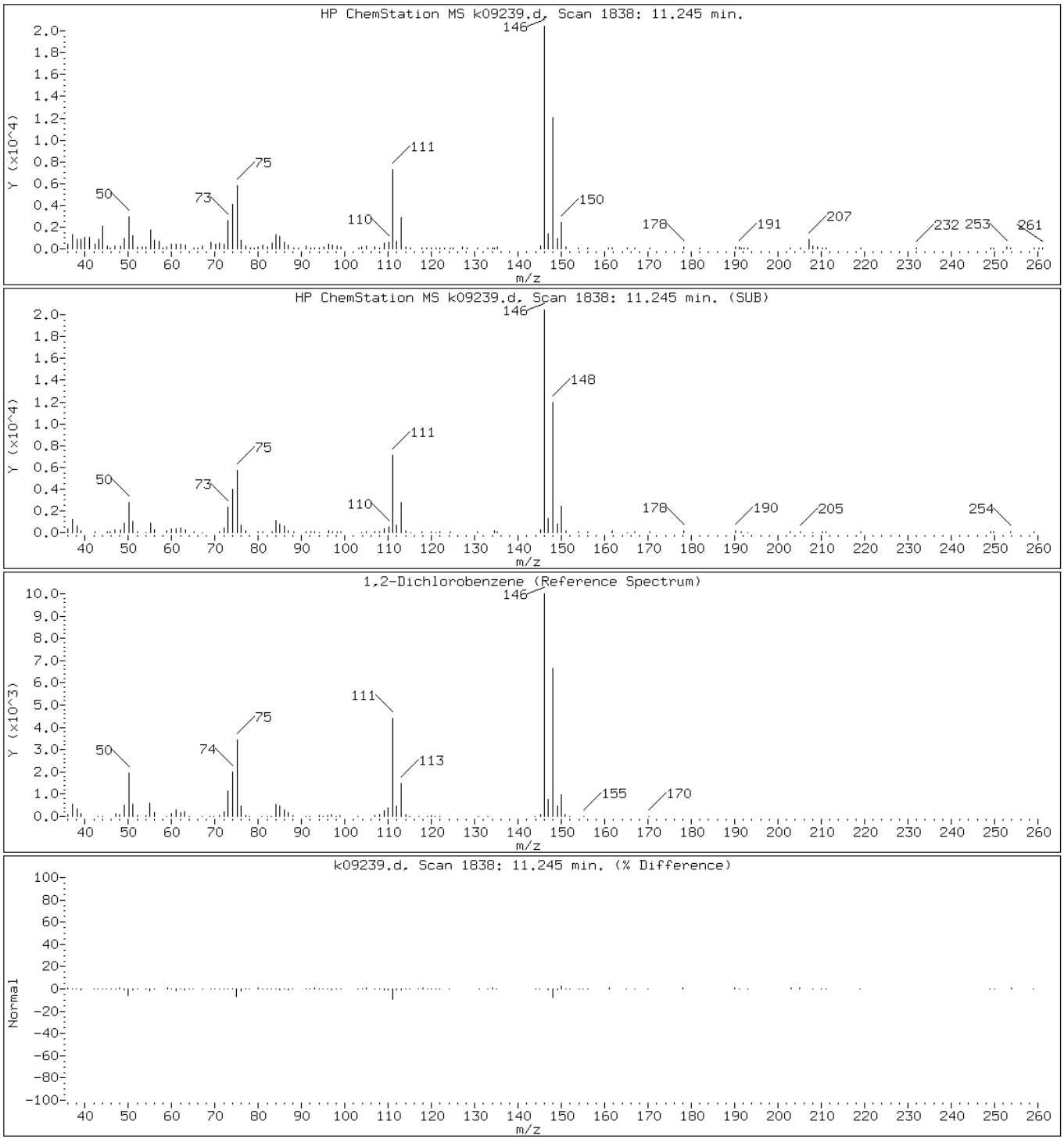
Data File: k09239.d

Date: 06-FEB-2013 13:45

Client ID: MW-2 Instrument: VOAMS9.i

Sample Info: 460-50248-A-4 Operator:

111 1,2-Dichlorobenzene



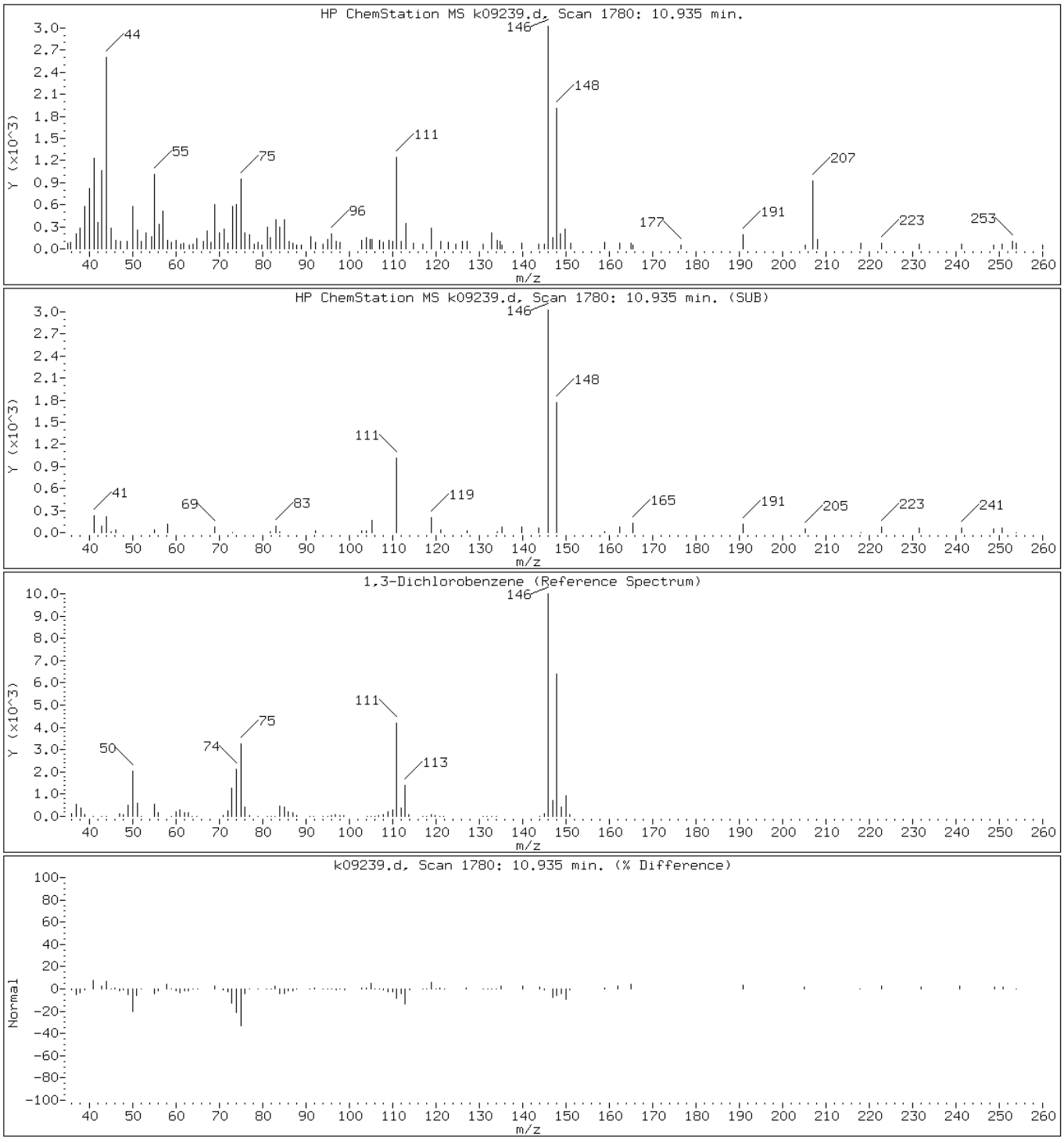
Data File: k09239.d

Date: 06-FEB-2013 13:45

Client ID: MW-2 Instrument: VOAMS9.i

Sample Info: 460-50248-A-4 Operator:

105 1,3-Dichlorobenzene



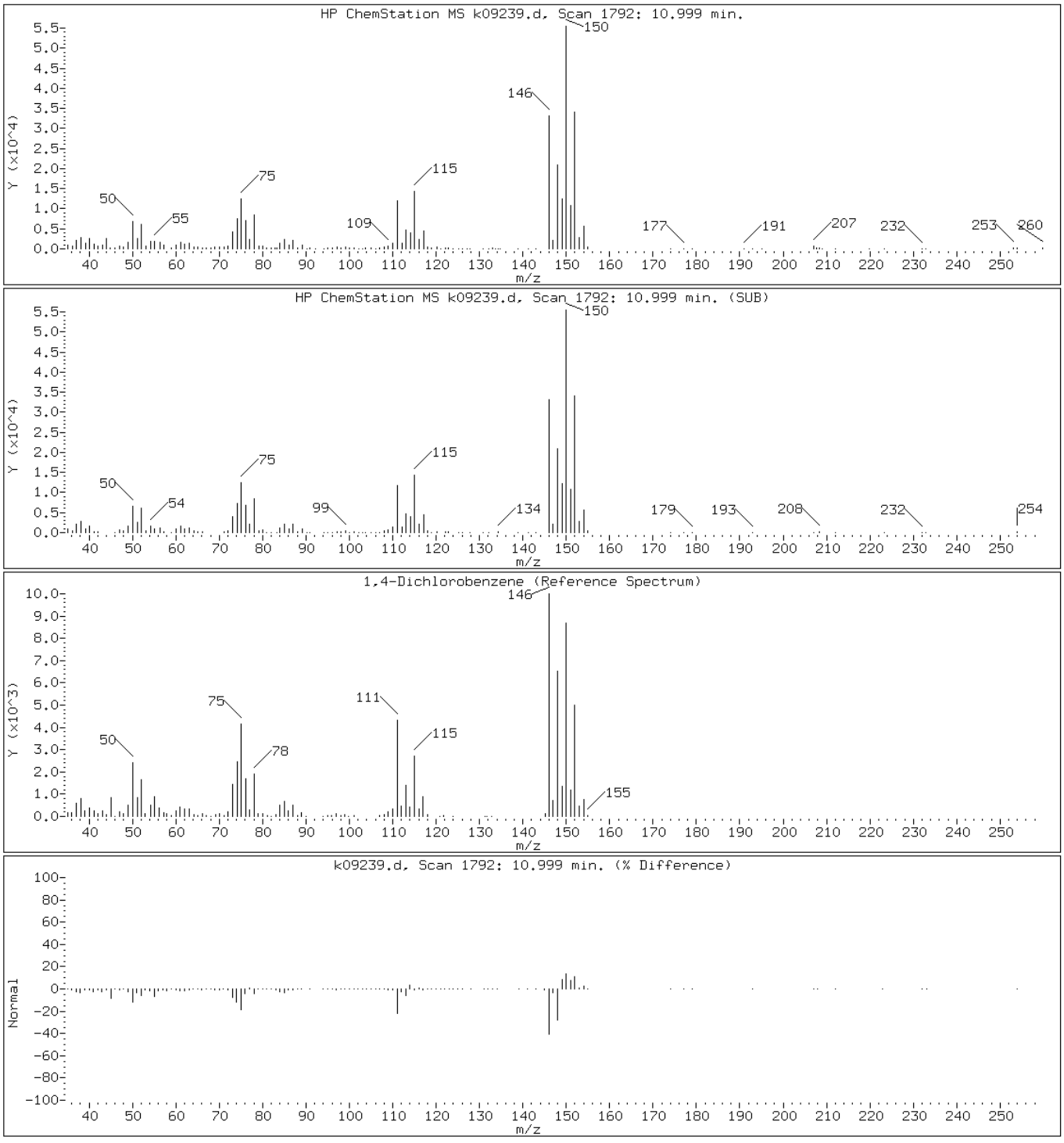
Data File: k09239.d

Date: 06-FEB-2013 13:45

Client ID: MW-2 Instrument: VOAMS9.i

Sample Info: 460-50248-A-4 Operator:

109 1,4-Dichlorobenzene



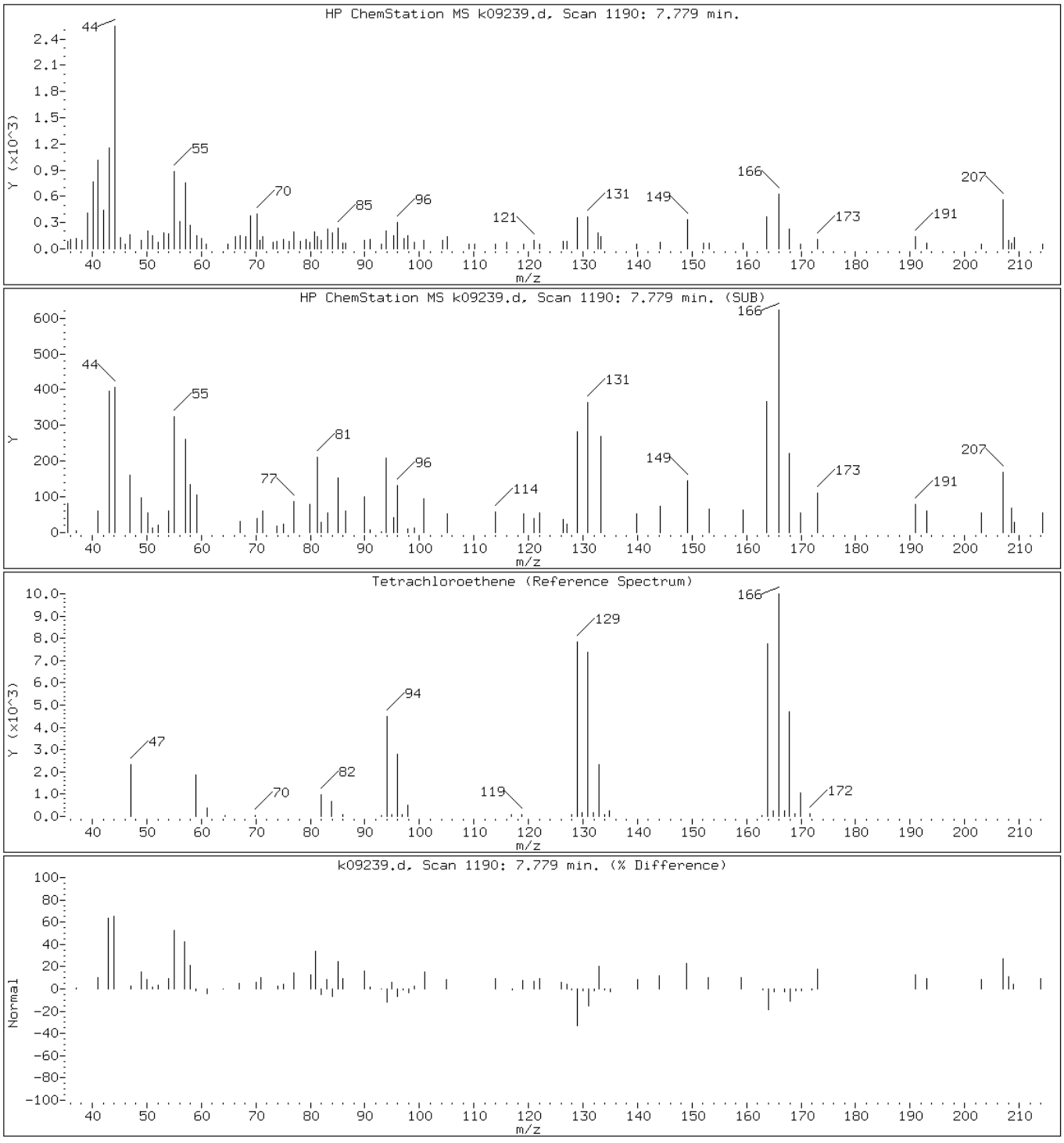
Data File: k09239.d

Date: 06-FEB-2013 13:45

Client ID: MW-2 Instrument: VOAMS9.i

Sample Info: 460-50248-A-4 Operator:

71 Tetrachloroethene



Manual Integration Report

Data File: k09239.d
Inj. Date and Time: 06-FEB-2013 13:45
Instrument ID: VOAMS9.i
Client ID: MW-2
Compound: 36 cis-1,2-Dichloroethene
CAS #: 156-59-2
Report Date: 02/07/2013

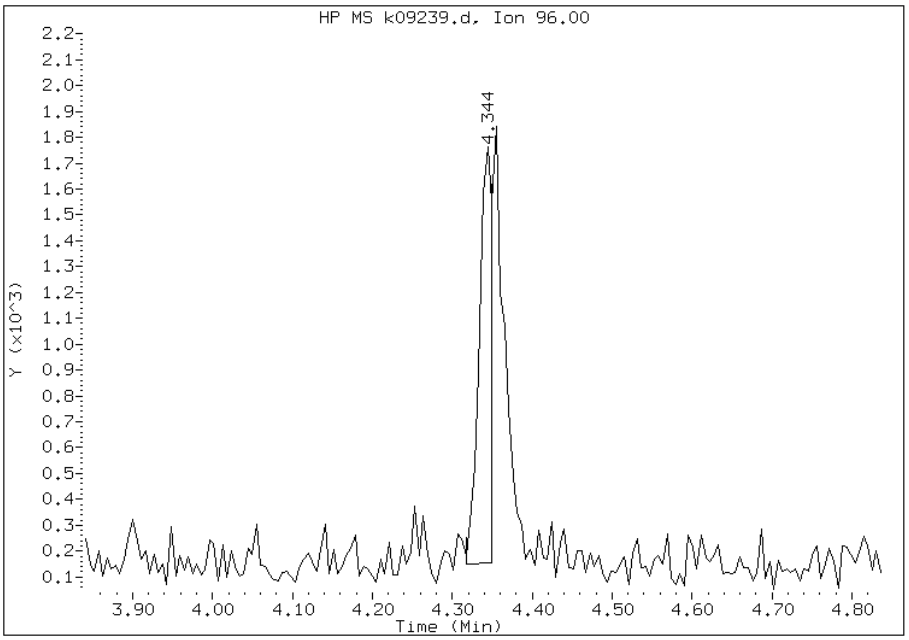
Processing Integration Results

RT: 4.34

Response: 1843

Amount: 0

Conc: 0



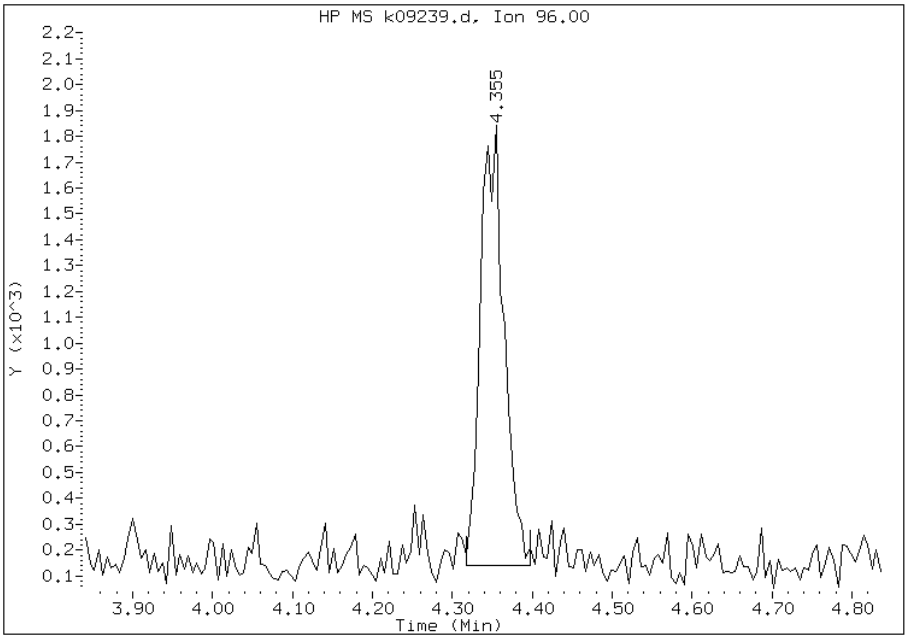
Manual Integration Results

RT: 4.35

Response: 3500

Amount: 1

Conc: 1



Manually Integrated By: ken
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: k09239.d
Inj. Date and Time: 06-FEB-2013 13:45
Instrument ID: VOAMS9.i
Client ID: MW-2
Compound: 71 Tetrachloroethene
CAS #: 127-18-4
Report Date: 02/07/2013

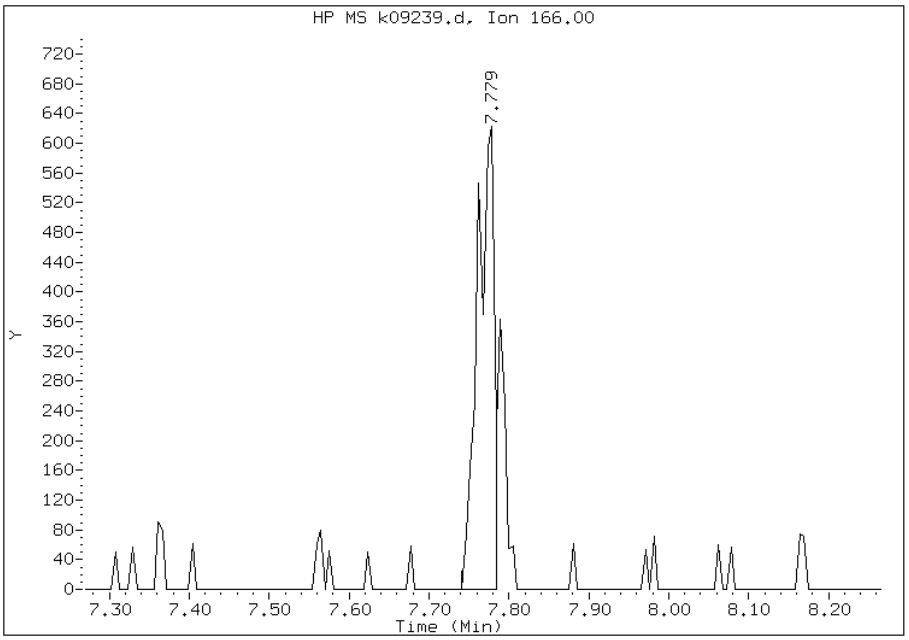
Processing Integration Results

RT: 7.78

Response: 911

Amount: 0

Conc: 0



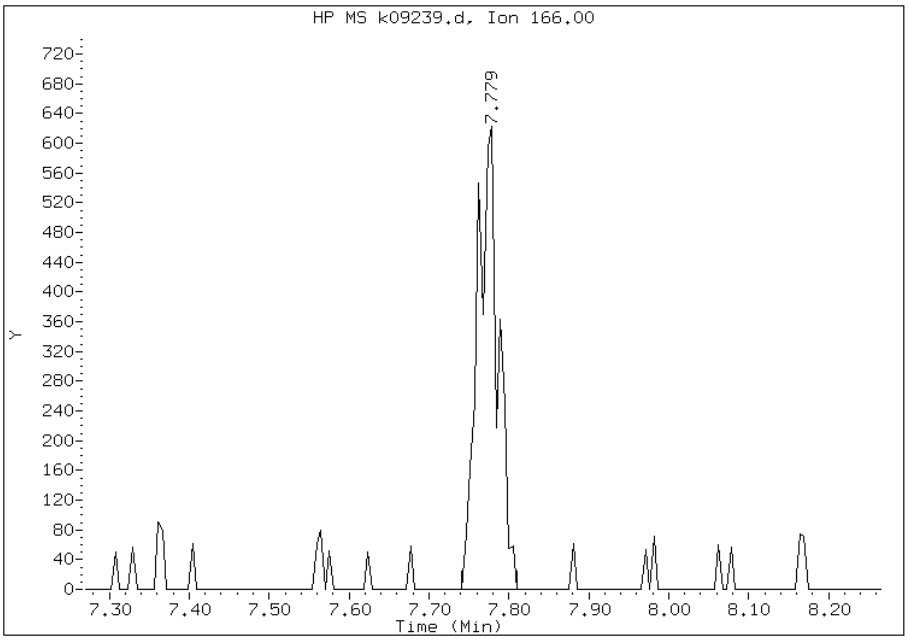
Manual Integration Results

RT: 7.78

Response: 1144

Amount: 0

Conc: 0



Manually Integrated By: ken
Manual Integration Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-2D | Lab Sample ID: 460-50248-5

Matrix: Water | Lab File ID: k09240.d

Analysis Method: 8260B | Date Collected: 01/31/2013 11:15

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2013 14:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

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

Analysis Batch No.: 146197 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.10
74-83-9	Bromomethane	1.0	U	1.0	0.18
75-01-4	Vinyl chloride	1.0	U	1.0	0.14
75-00-3	Chloroethane	1.0	U	1.0	0.17
75-09-2	Methylene Chloride	1.0	U	1.0	0.18
67-64-1	Acetone	5.0	U	5.0	2.7
75-15-0	Carbon disulfide	1.0	U	1.0	0.13
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.15
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.090
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	0.82	J	1.0	0.18
67-66-3	Chloroform	1.0	U	1.0	0.080
78-93-3	2-Butanone	5.0	U	5.0	2.3
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.19
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.060
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.060
71-43-2	Benzene	1.0	U	1.0	0.080
75-25-2	Bromoform	1.0	U	1.0	0.19
100-42-5	Styrene	1.0	U	1.0	0.12
179601-23-1	m&p-Xylene	2.0	U	2.0	0.25
95-47-6	o-Xylene	1.0	U	1.0	0.13
100-41-4	Ethylbenzene	0.17	J	1.0	0.10
108-90-7	Chlorobenzene	17		1.0	0.11
110-82-7	Cyclohexane	1.0	U	1.0	0.16
98-82-8	Isopropylbenzene	1.0	U	1.0	0.080
591-78-6	2-Hexanone	5.0	U	5.0	0.50
1634-04-4	MTBE	1.0	U	1.0	0.14
76-13-1	Freon TF	1.0	U	1.0	0.080
79-20-9	Methyl acetate	2.0	U	2.0	0.34
123-91-1	1,4-Dioxane	50	U	50	36
79-01-6	Trichloroethene	0.23	J	1.0	0.090
108-88-3	Toluene	1.0	U	1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.24
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.99
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-2D | Lab Sample ID: 460-50248-5

Matrix: Water | Lab File ID: k09240.d

Analysis Method: 8260B | Date Collected: 01/31/2013 11:15

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2013 14:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

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

Analysis Batch No.: 146197 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	1.7		1.0	0.21
541-73-1	1,3-Dichlorobenzene	0.29	J	1.0	0.14
106-46-7	1,4-Dichlorobenzene	3.2		1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.51
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.090
108-87-2	Methylcyclohexane	1.0	U	1.0	0.14
127-18-4	Tetrachloroethene	0.23	J	1.0	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.40
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.16
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.19
124-48-1	Dibromochloromethane	1.0	U	1.0	0.20
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.28
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.22
74-97-5	Bromochloromethane	1.0	U	1.0	0.27
75-27-4	Bromodichloromethane	1.0	U	1.0	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		70-130
2037-26-5	Toluene-d8 (Surr)	86		70-130
460-00-4	Bromofluorobenzene	95		70-130

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09240.d
Report Date: 07-Feb-2013 00:56

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09240.d
Lab Smp Id: 460-50248-A-5 Client Smp ID: MW-2D
Inj Date : 06-FEB-2013 14:09
Operator : Inst ID: VOAMS9.i
Smp Info : 460-50248-A-5
Misc Info : 460-50248-A-5
Comment :
Method : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/8260_09.m
Meth Date : 06-Feb-2013 08:47 desais Quant Type: ISTD
Cal Date : 25-JAN-2013 21:33 Cal File: k08903.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	36 cis-1,2-Dichloroethene	96	4.350	4.339	(0.803)	4937	0.82169	0.82(a)
$	47 1,2-Dichloroethane-d4 (SUR)	65	5.141	5.131	(0.950)	215034	42.6283	43
*	52 Fluorobenzene	96	5.414	5.409	(1.000)	932757	50.0000	
	54 Trichloroethene	95	5.762	5.762	(1.064)	1223	0.22669	0.23(a)
$	65 Toluene-d8 (SUR)	98	7.083	7.083	(0.798)	614428	43.1690	43
	71 Tetrachloroethene	166	7.779	7.768	(0.876)	1087	0.22795	0.23(a)
*	78 Chlorobenzene-d5	117	8.875	8.870	(1.000)	661582	50.0000	
	79 Chlorobenzene	112	8.913	8.908	(1.004)	244485	17.0724	17
	81 Ethylbenzene	106	9.014	9.009	(1.016)	1311	0.17263	0.17(a)
$	89 Bromofluorobenzene (SUR)	174	10.122	10.117	(0.922)	252833	47.7138	48
	105 1,3-Dichlorobenzene	146	10.935	10.935	(0.996)	3273	0.29101	0.29(a)
*	108 1,4-Dichlorobenzene-d4	152	10.983	10.983	(1.000)	359271	50.0000	
	109 1,4-Dichlorobenzene	146	10.999	10.999	(1.001)	37585	3.19396	3.2
	171 Indan	117	11.144	11.144	(2.058)	4267	0.19904	0.20(a)
	111 1,2-Dichlorobenzene	146	11.245	11.240	(1.024)	20252	1.73368	1.7
M	120 1,2-Dichloroethene (Total)	100				4937	0.82169	0.82(a)

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09240.d
Report Date: 07-Feb-2013 00:56

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: k09240.d

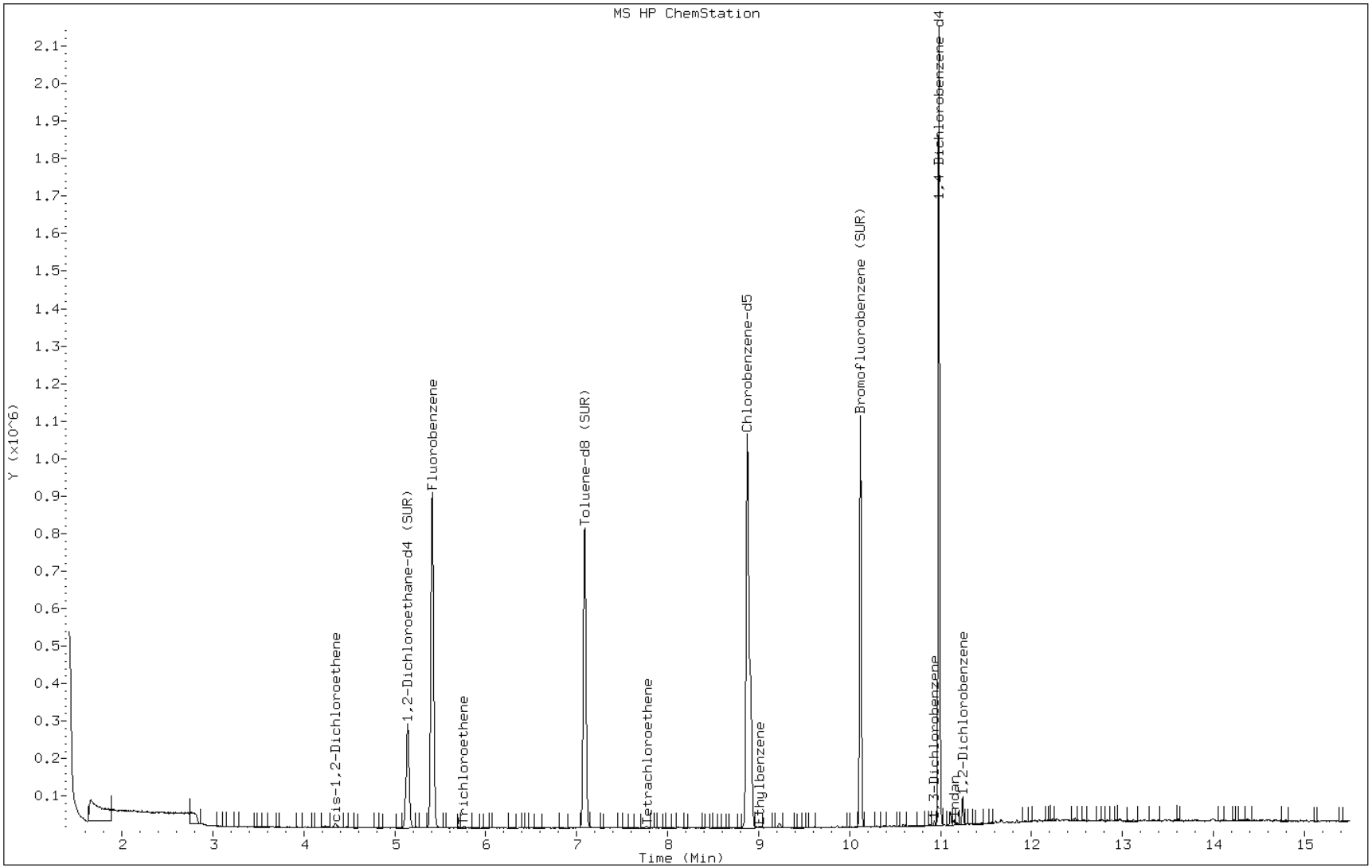
Date: 06-FEB-2013 14:09

Client ID: MW-2D

Instrument: VOAMS9.i

Sample Info: 460-50248-A-5

Operator:



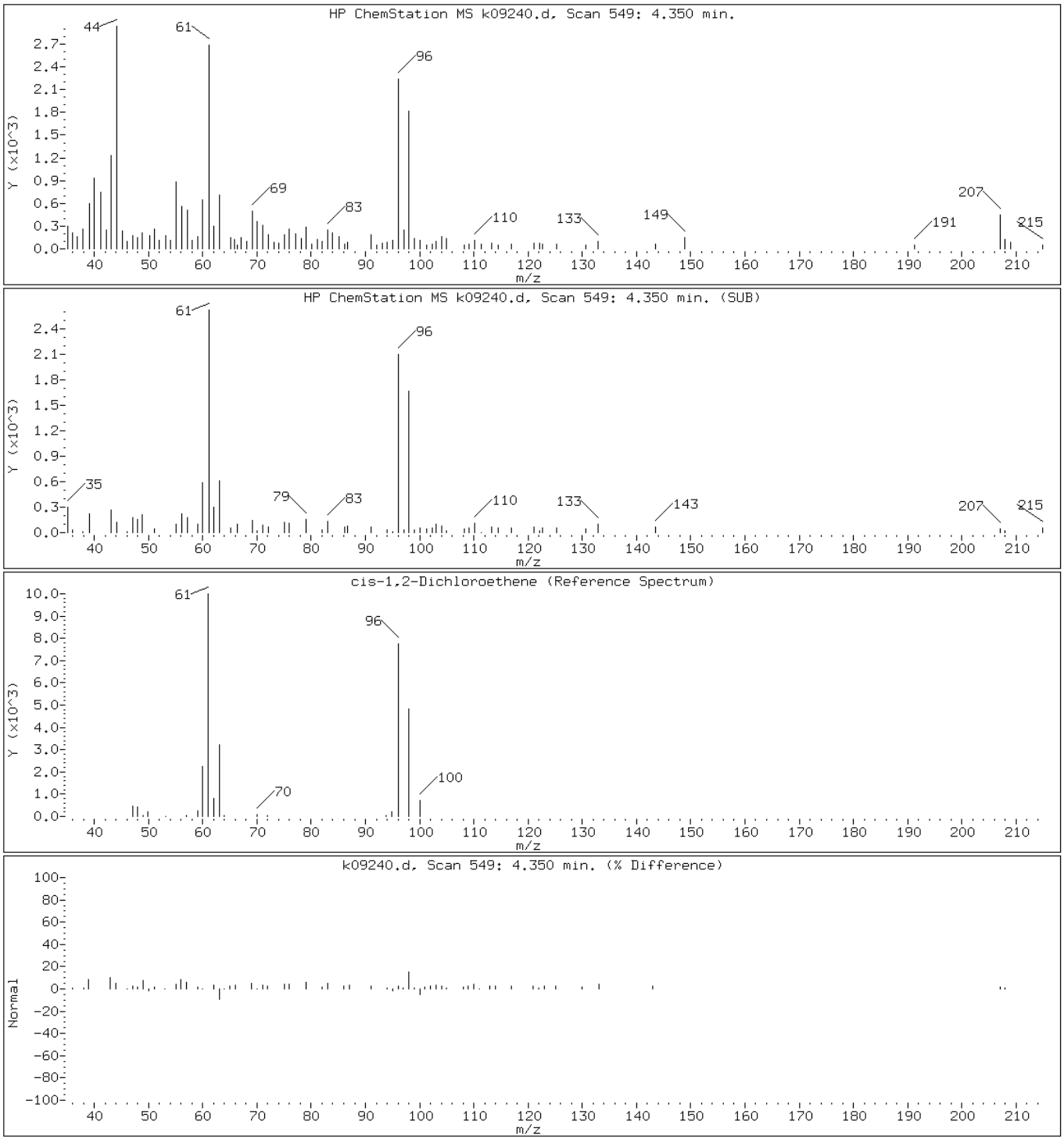
Data File: k09240.d

Date: 06-FEB-2013 14:09

Client ID: MW-2D Instrument: VOAMS9.i

Sample Info: 460-50248-A-5 Operator:

36 cis-1,2-Dichloroethene



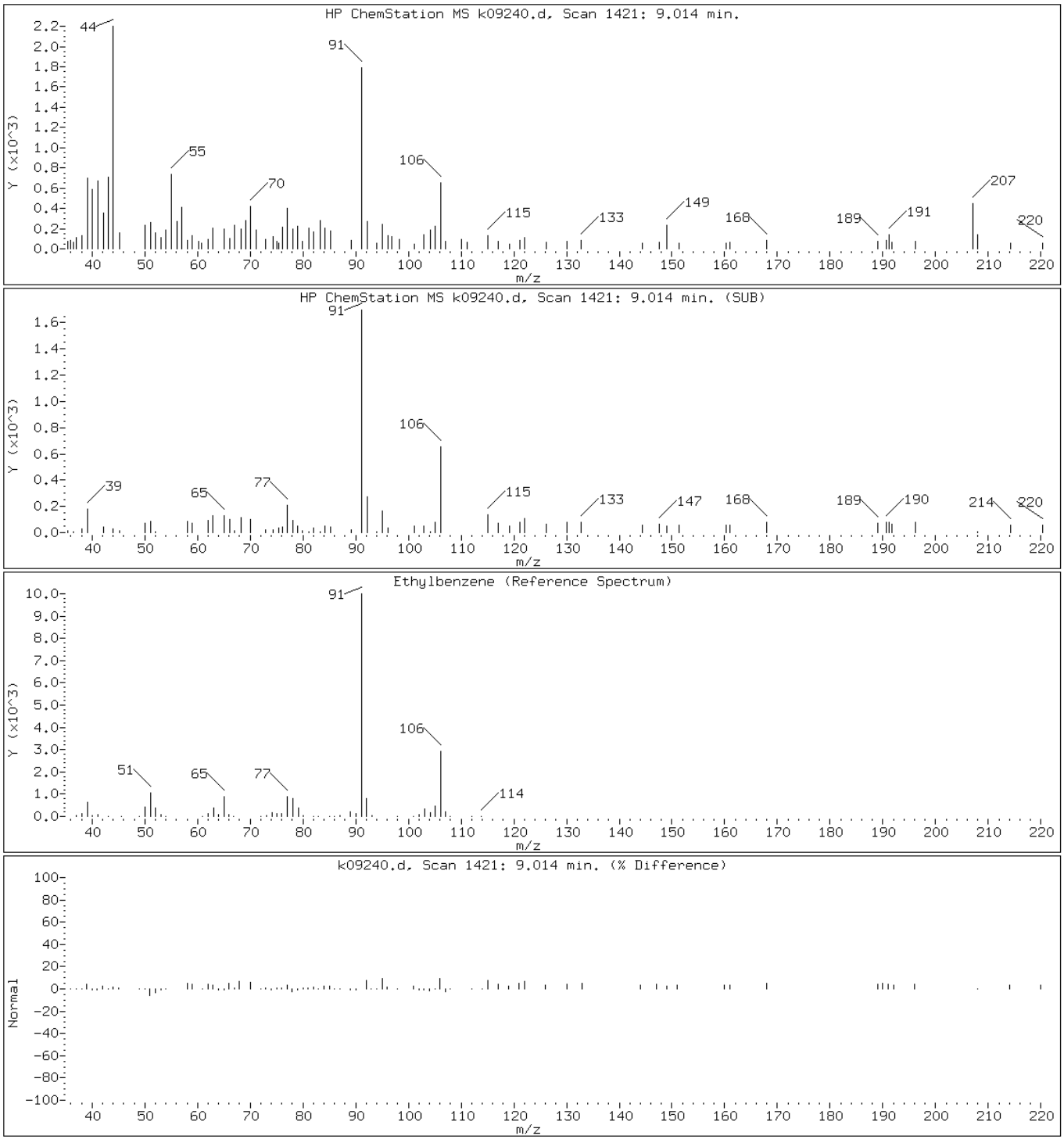
Data File: k09240.d

Date: 06-FEB-2013 14:09

Client ID: MW-2D Instrument: VOAMS9.i

Sample Info: 460-50248-A-5 Operator:

81 Ethylbenzene



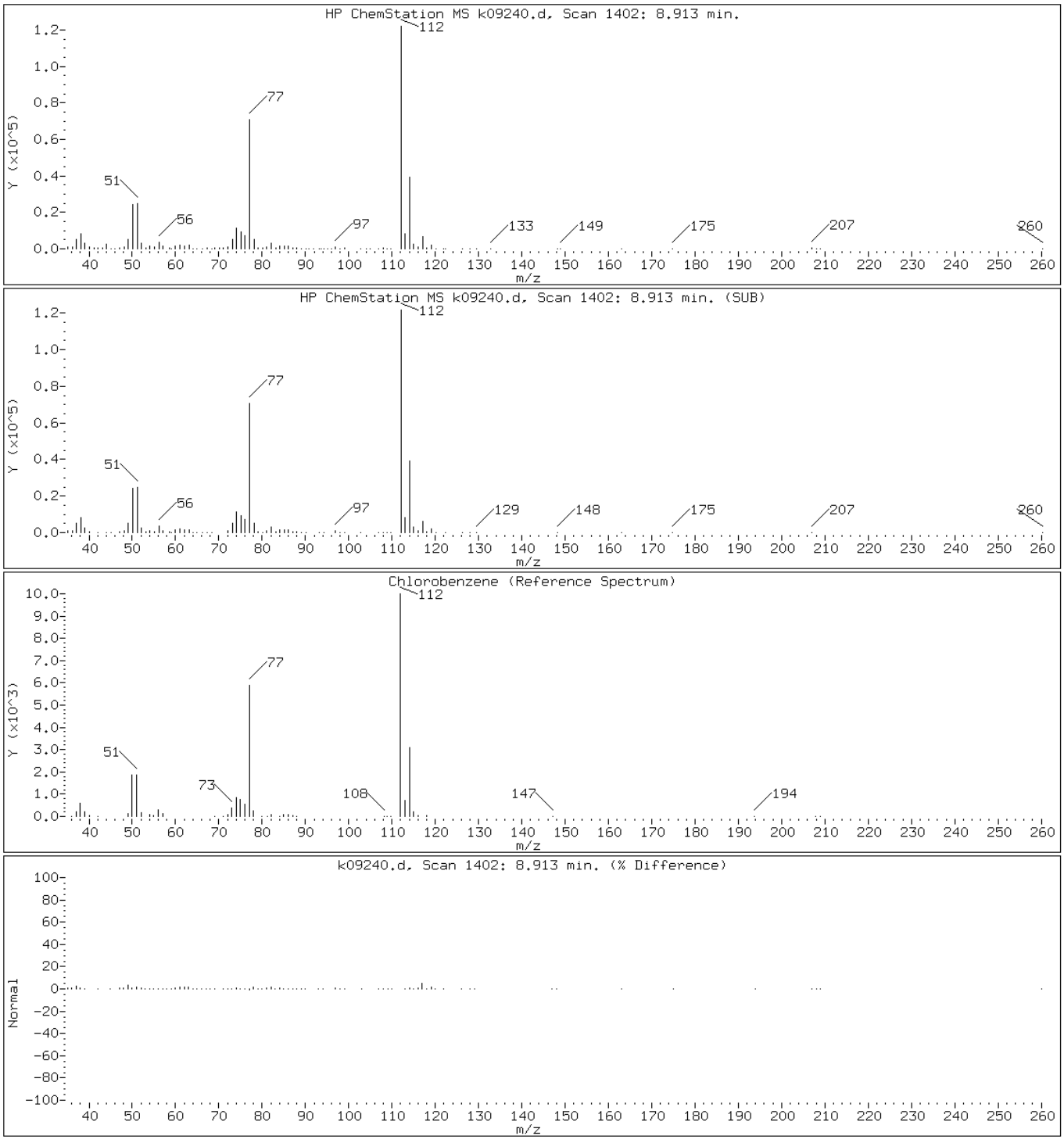
Data File: k09240.d

Date: 06-FEB-2013 14:09

Client ID: MW-2D Instrument: VOAMS9.i

Sample Info: 460-50248-A-5 Operator:

79 Chlorobenzene



Data File: k09240.d

Date: 06-FEB-2013 14:09

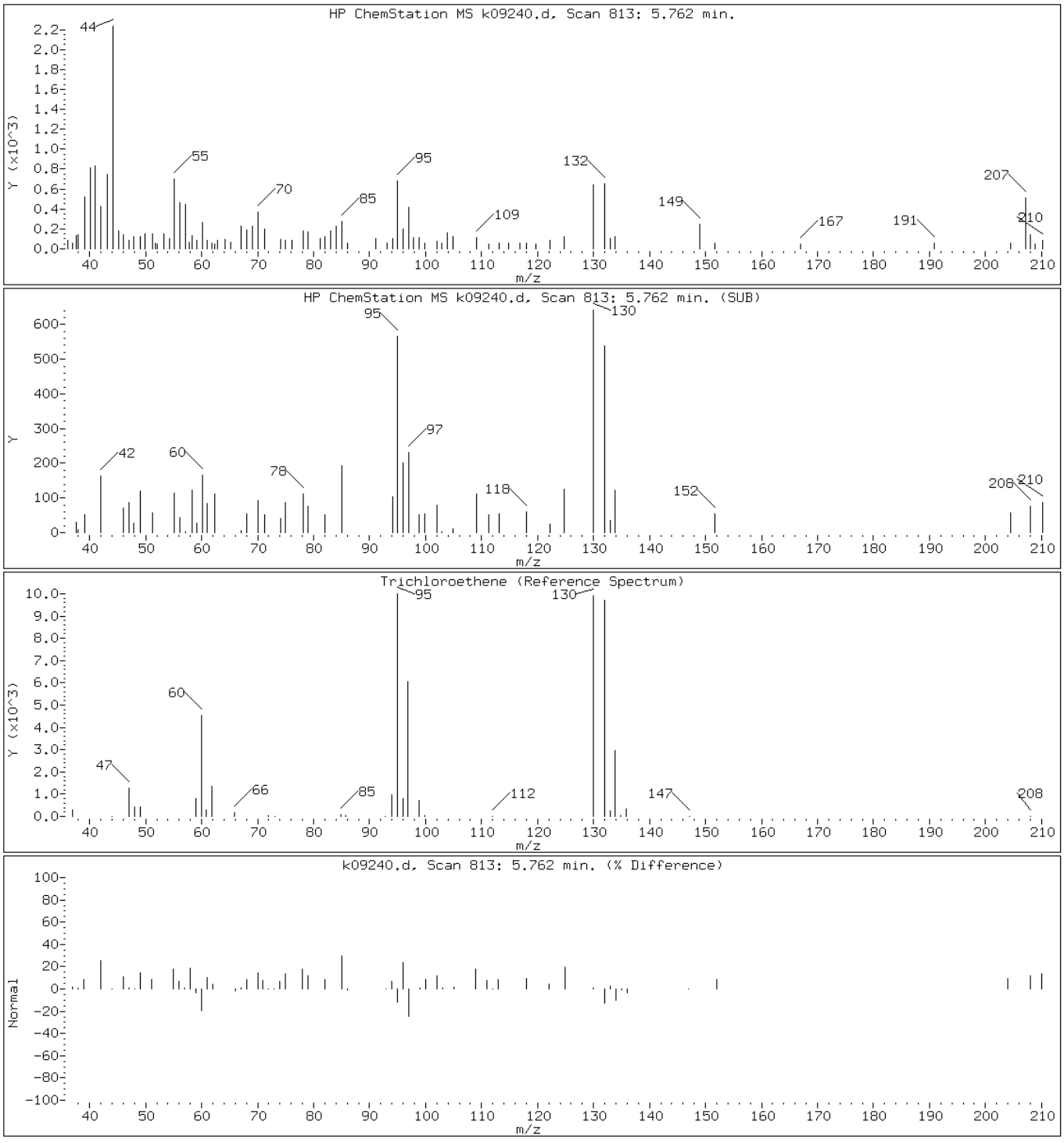
Client ID: MW-2D

Instrument: VOAMS9.i

Sample Info: 460-50248-A-5

Operator:

54 Trichloroethene



Data File: k09240.d

Date: 06-FEB-2013 14:09

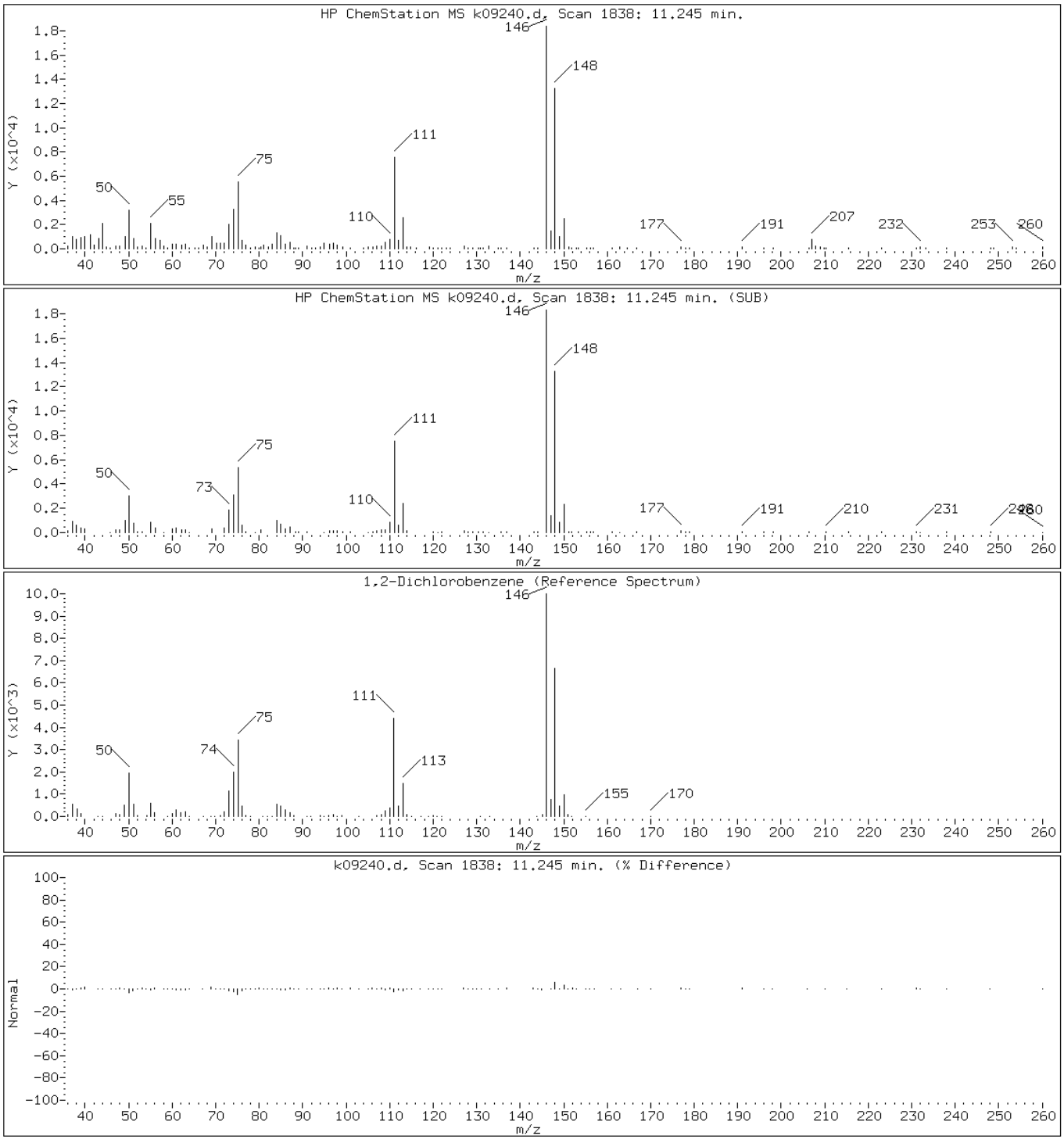
Client ID: MW-2D

Instrument: VOAMS9.i

Sample Info: 460-50248-A-5

Operator:

111 1,2-Dichlorobenzene



Data File: k09240.d

Date: 06-FEB-2013 14:09

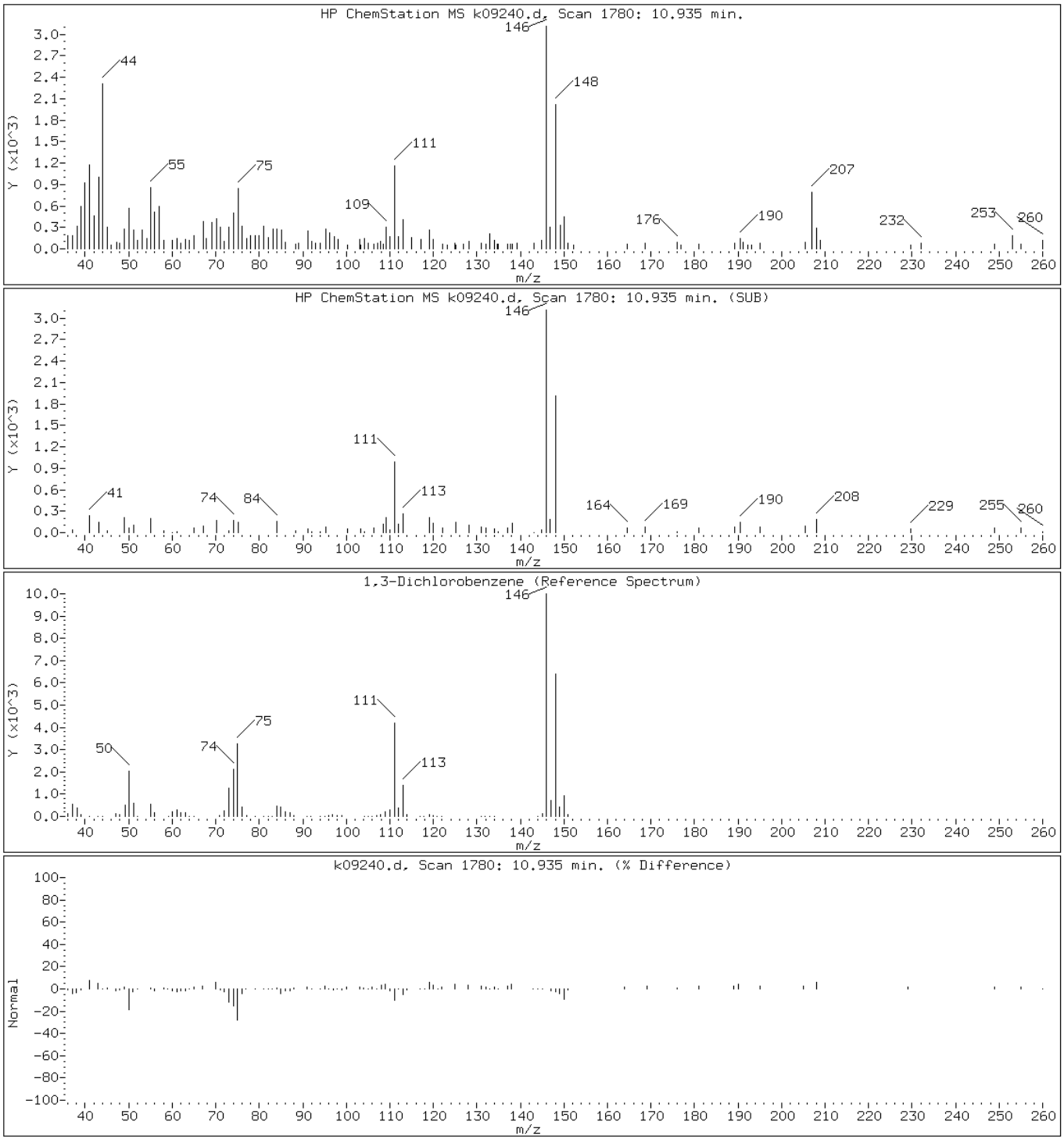
Client ID: MW-2D

Instrument: VOAMS9.i

Sample Info: 460-50248-A-5

Operator:

105 1,3-Dichlorobenzene



Data File: k09240.d

Date: 06-FEB-2013 14:09

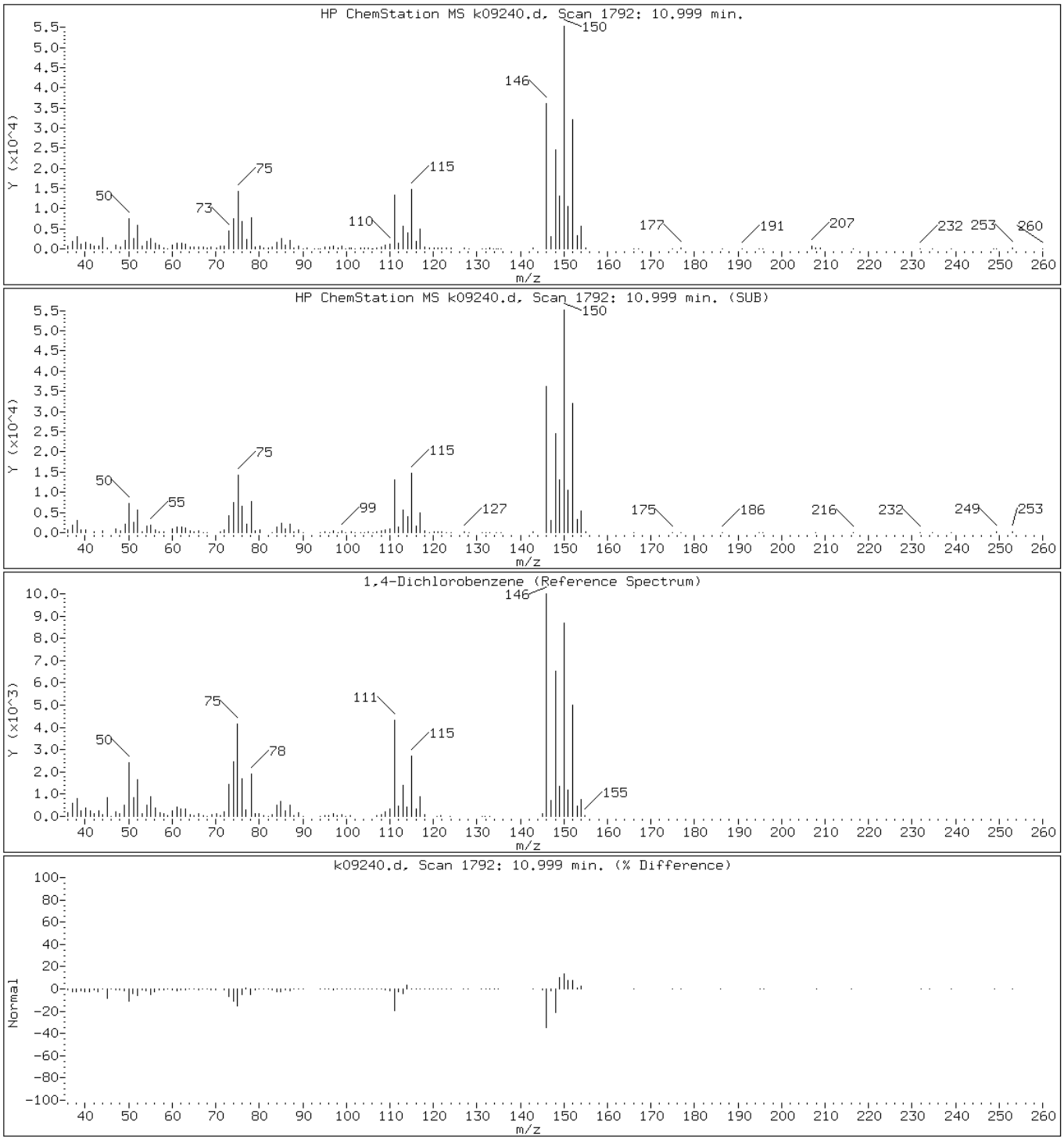
Client ID: MW-2D

Instrument: VOAMS9.i

Sample Info: 460-50248-A-5

Operator:

109 1,4-Dichlorobenzene



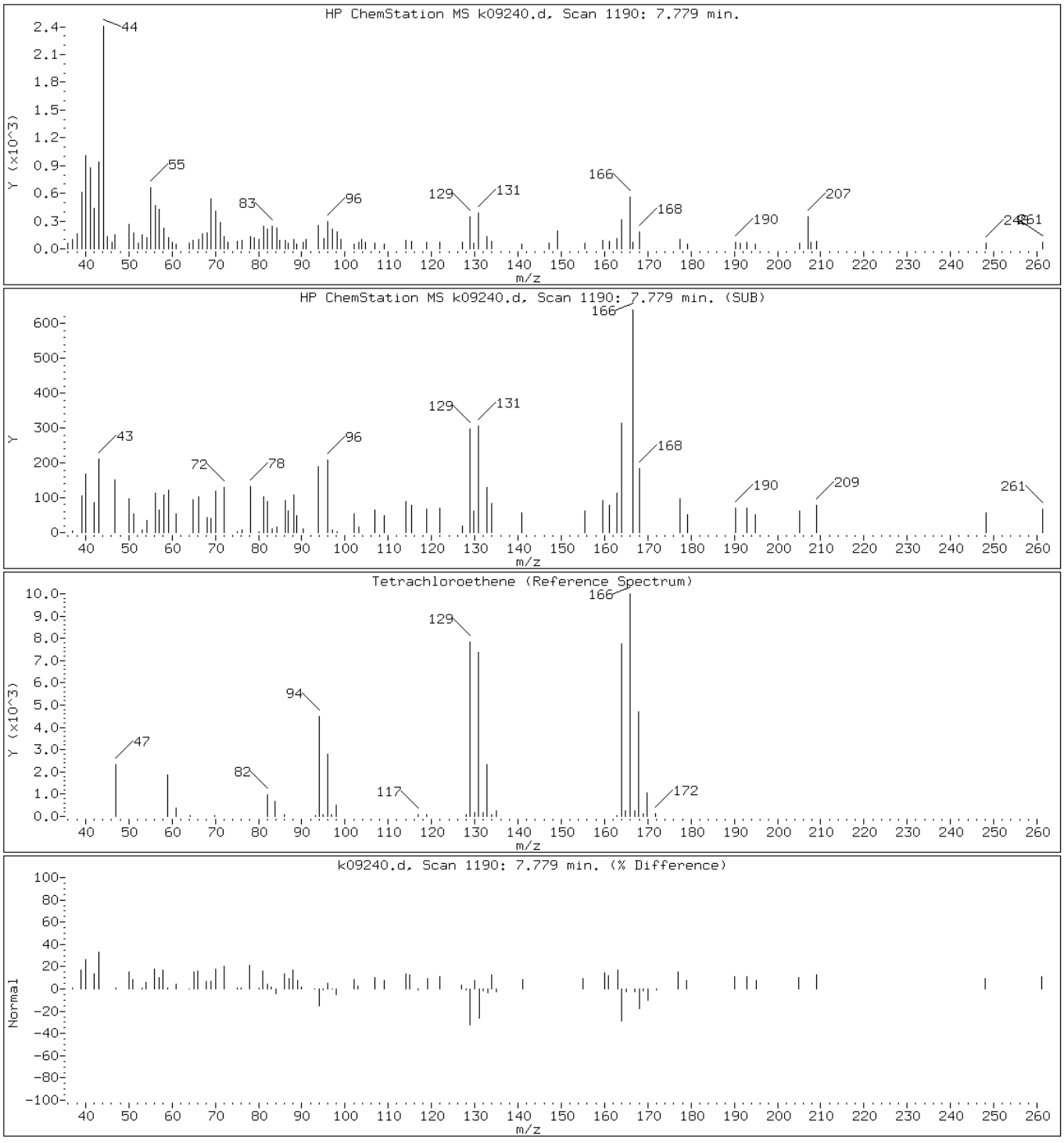
Data File: k09240.d

Date: 06-FEB-2013 14:09

Client ID: MW-2D Instrument: VOAMS9.i

Sample Info: 460-50248-A-5 Operator:

71 Tetrachloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-7 | Lab Sample ID: 460-50248-6

Matrix: Water | Lab File ID: k09241.d

Analysis Method: 8260B | Date Collected: 01/31/2013 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2013 14:32

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

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

Analysis Batch No.: 146197 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.10
74-83-9	Bromomethane	1.0	U	1.0	0.18
75-01-4	Vinyl chloride	1.0	U	1.0	0.14
75-00-3	Chloroethane	1.0	U	1.0	0.17
75-09-2	Methylene Chloride	1.0	U	1.0	0.18
67-64-1	Acetone	5.0	U	5.0	2.7
75-15-0	Carbon disulfide	1.0	U	1.0	0.13
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.15
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.090
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	1.3		1.0	0.18
67-66-3	Chloroform	1.0	U	1.0	0.080
78-93-3	2-Butanone	5.0	U	5.0	2.3
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.19
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.060
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.060
71-43-2	Benzene	1.0	U	1.0	0.080
75-25-2	Bromoform	1.0	U	1.0	0.19
100-42-5	Styrene	1.0	U	1.0	0.12
179601-23-1	m&p-Xylene	2.0	U	2.0	0.25
95-47-6	o-Xylene	1.0	U	1.0	0.13
100-41-4	Ethylbenzene	1.0	U	1.0	0.10
108-90-7	Chlorobenzene	2.6		1.0	0.11
110-82-7	Cyclohexane	1.0	U	1.0	0.16
98-82-8	Isopropylbenzene	1.0	U	1.0	0.080
591-78-6	2-Hexanone	5.0	U	5.0	0.50
1634-04-4	MTBE	1.0	U	1.0	0.14
76-13-1	Freon TF	1.0	U	1.0	0.080
79-20-9	Methyl acetate	2.0	U	2.0	0.34
123-91-1	1,4-Dioxane	50	U	50	36
79-01-6	Trichloroethene	0.17	J	1.0	0.090
108-88-3	Toluene	1.0	U	1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.24
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.99
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-7 | Lab Sample ID: 460-50248-6

Matrix: Water | Lab File ID: k09241.d

Analysis Method: 8260B | Date Collected: 01/31/2013 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2013 14:32

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

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

Analysis Batch No.: 146197 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	0.65	J	1.0	0.21
541-73-1	1,3-Dichlorobenzene	1.3		1.0	0.14
106-46-7	1,4-Dichlorobenzene	6.2		1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.51
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.090
108-87-2	Methylcyclohexane	1.0	U	1.0	0.14
127-18-4	Tetrachloroethene	0.99	J	1.0	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.40
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.16
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.19
124-48-1	Dibromochloromethane	1.0	U	1.0	0.20
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.28
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.22
74-97-5	Bromochloromethane	1.0	U	1.0	0.27
75-27-4	Bromodichloromethane	1.0	U	1.0	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		70-130
2037-26-5	Toluene-d8 (Surr)	86		70-130
460-00-4	Bromofluorobenzene	95		70-130

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09241.d
Report Date: 07-Feb-2013 00:57

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09241.d
Lab Smp Id: 460-50248-A-6 Client Smp ID: MW-7
Inj Date : 06-FEB-2013 14:32
Operator : Inst ID: VOAMS9.i
Smp Info : 460-50248-A-6
Misc Info : 460-50248-A-6
Comment :
Method : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/8260_09.m
Meth Date : 06-Feb-2013 08:47 desais Quant Type: ISTD
Cal Date : 25-JAN-2013 21:33 Cal File: k08903.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	36 cis-1,2-Dichloroethene	96	4.349	4.339	(0.804)	7692	1.27800	1.3
$	47 1,2-Dichloroethane-d4 (SUR)	65	5.136	5.131	(0.950)	214545	42.4576	42
*	52 Fluorobenzene	96	5.409	5.409	(1.000)	934378	50.0000	
	54 Trichloroethene	95	5.756	5.762	(1.064)	915	0.16942	0.17(aM)
$	65 Toluene-d8 (SUR)	98	7.083	7.083	(0.798)	616809	42.9424	43
	71 Tetrachloroethene	166	7.773	7.768	(0.876)	4754	0.98789	0.99(a)
*	78 Chlorobenzene-d5	117	8.875	8.870	(1.000)	667650	50.0000	
	79 Chlorobenzene	112	8.913	8.908	(1.004)	37704	2.60895	2.6
$	89 Bromofluorobenzene (SUR)	174	10.122	10.117	(0.922)	255038	47.5404	48
	103 sec-Butylbenzene	105	10.828	10.828	(0.986)	6601	0.28387	0.28(aH)
	105 1,3-Dichlorobenzene	146	10.935	10.935	(0.996)	14600	1.28220	1.3
*	108 1,4-Dichlorobenzene-d4	152	10.983	10.983	(1.000)	363726	50.0000	
	109 1,4-Dichlorobenzene	146	10.999	10.999	(1.001)	73412	6.16211	6.2
	171 Indan	117	11.144	11.144	(2.060)	2429	0.11311	0.11(a)
	111 1,2-Dichlorobenzene	146	11.245	11.240	(1.024)	7692	0.65041	0.65(aH)
M	120 1,2-Dichloroethene (Total)	100				7692	1.27800	1.3(a)

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09241.d
Report Date: 07-Feb-2013 00:57

QC Flag Legend

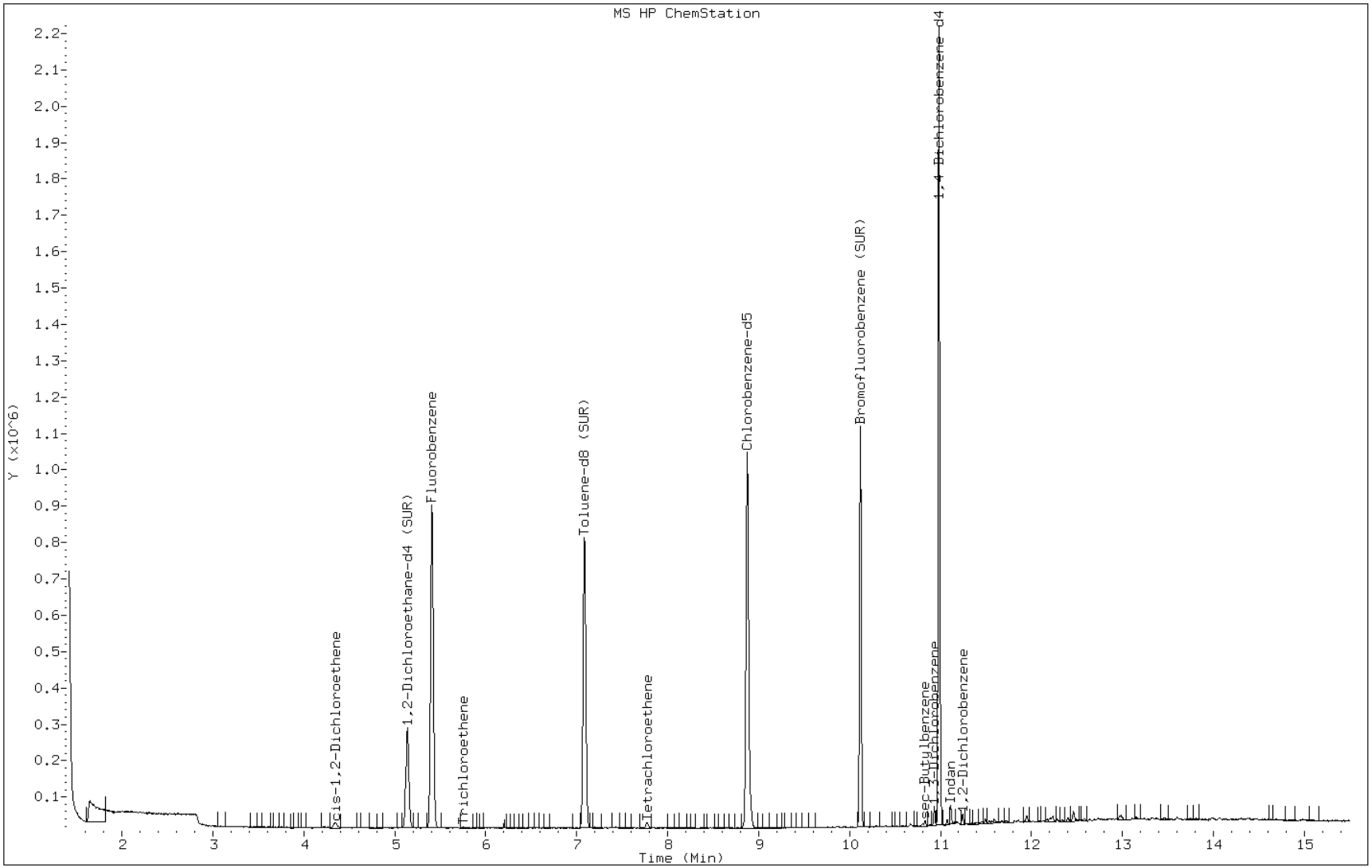
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: k09241.d

Date: 06-FEB-2013 14:32

Client ID: MW-7 Instrument: VOAMS9.i

Sample Info: 460-50248-A-6 Operator:



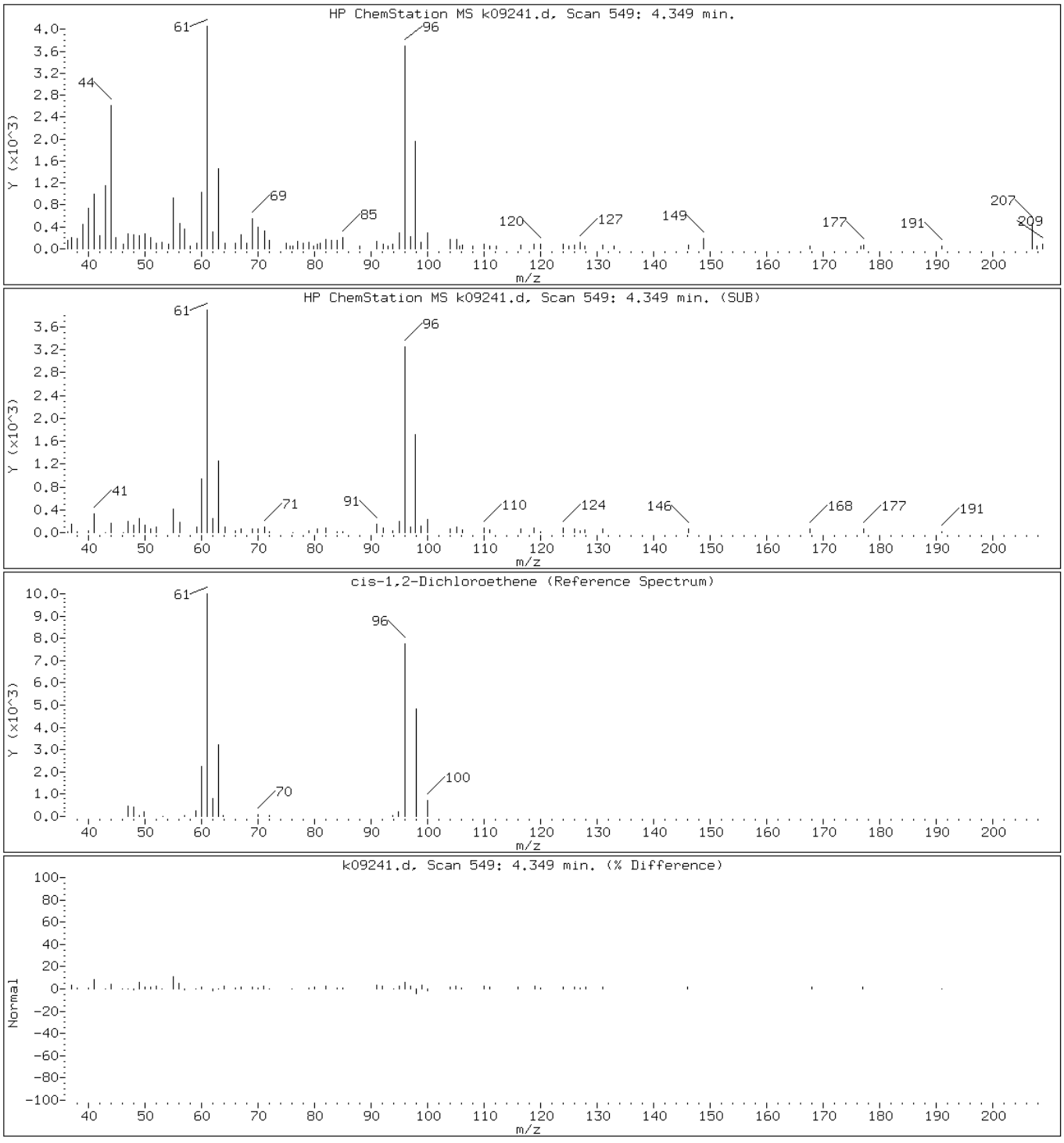
Data File: k09241.d

Date: 06-FEB-2013 14:32

Client ID: MW-7 Instrument: VOAMS9.i

Sample Info: 460-50248-A-6 Operator:

36 cis-1,2-Dichloroethene



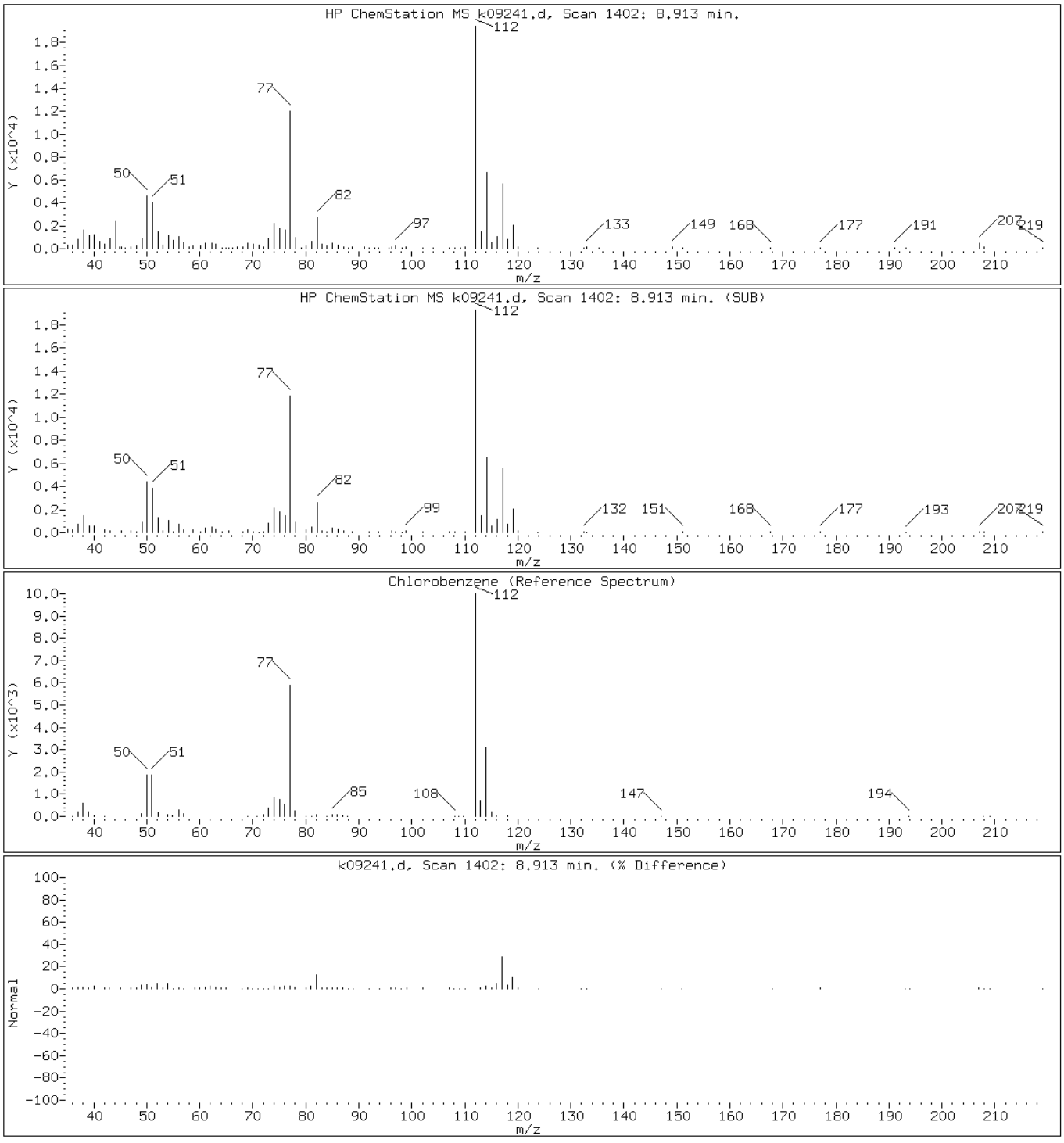
Data File: k09241.d

Date: 06-FEB-2013 14:32

Client ID: MW-7 Instrument: VOAMS9.i

Sample Info: 460-50248-A-6 Operator:

79 Chlorobenzene



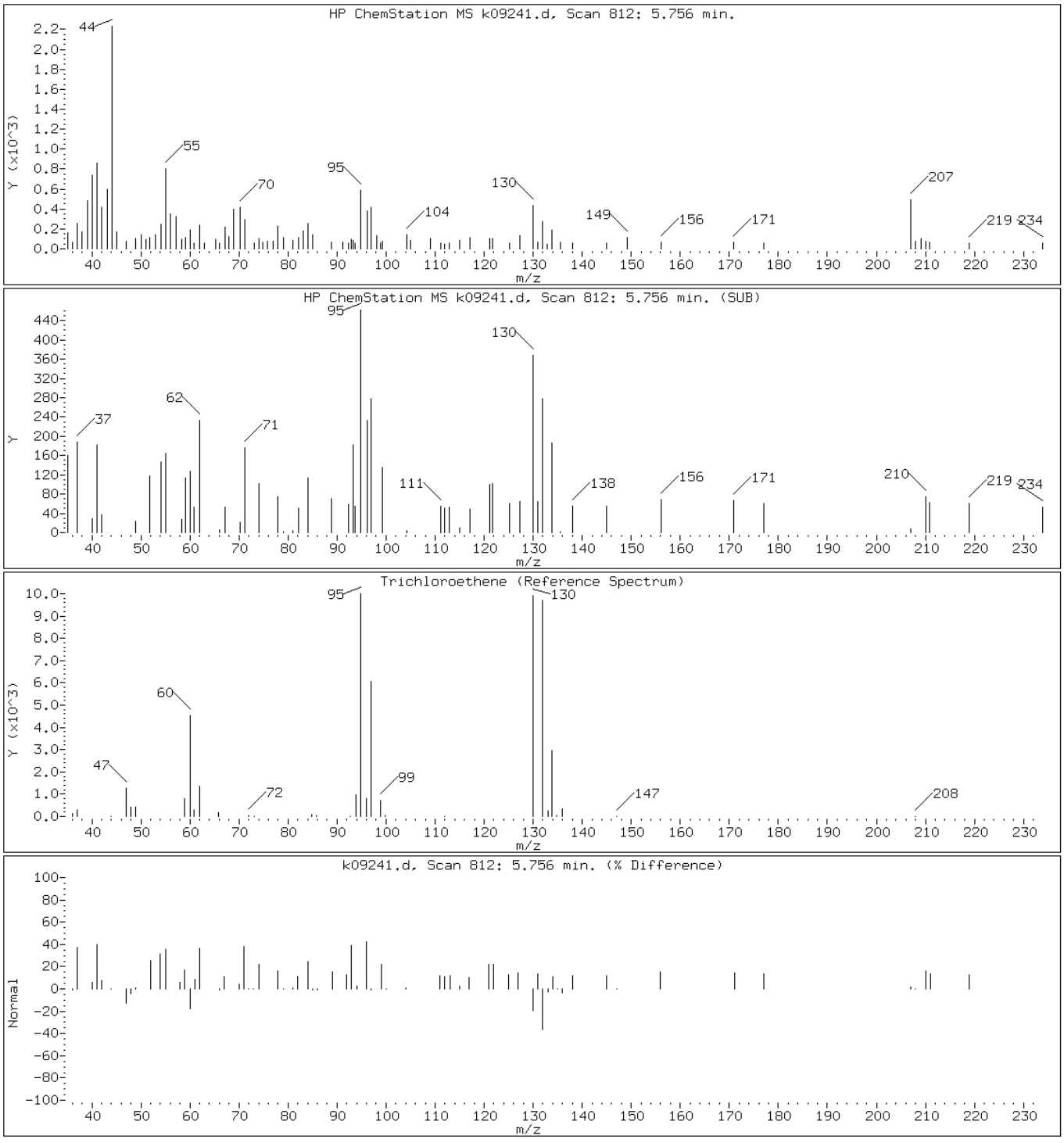
Data File: k09241.d

Date: 06-FEB-2013 14:32

Client ID: MW-7 Instrument: VOAMS9.i

Sample Info: 460-50248-A-6 Operator:

54 Trichloroethene



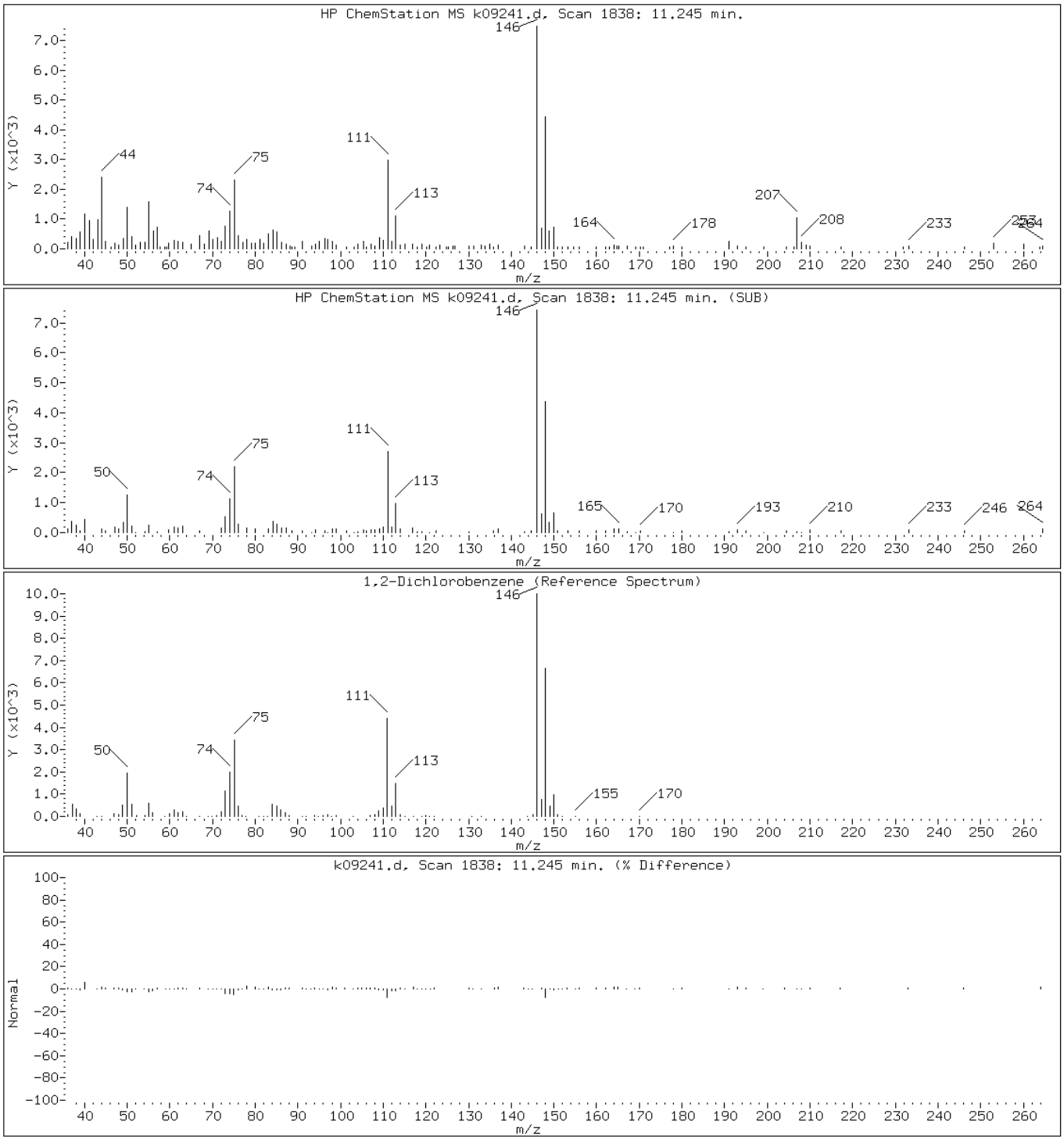
Data File: k09241.d

Date: 06-FEB-2013 14:32

Client ID: MW-7 Instrument: VOAMS9.i

Sample Info: 460-50248-A-6 Operator:

111 1,2-Dichlorobenzene



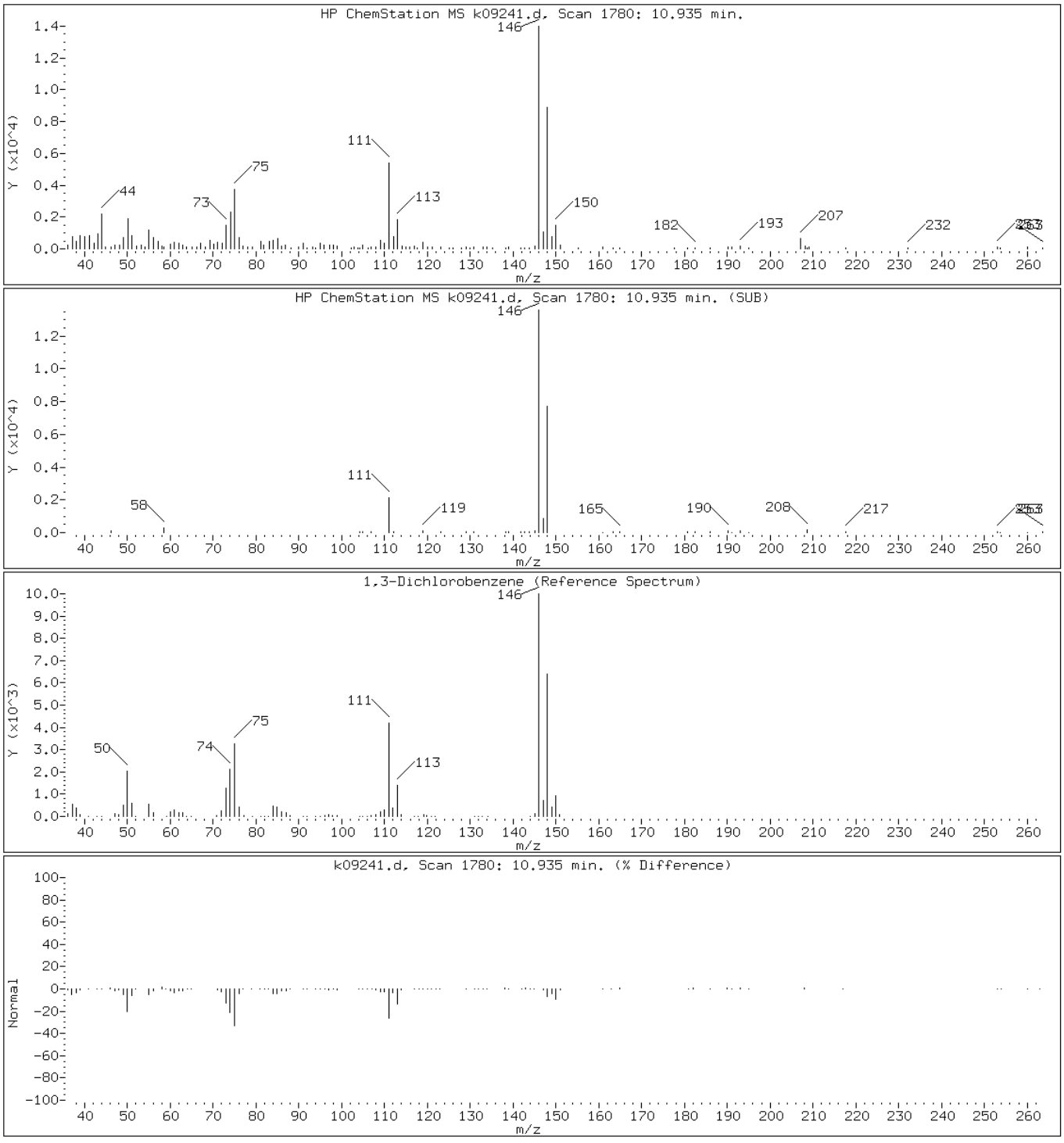
Data File: k09241.d

Date: 06-FEB-2013 14:32

Client ID: MW-7 Instrument: VOAMS9.i

Sample Info: 460-50248-A-6 Operator:

105 1,3-Dichlorobenzene



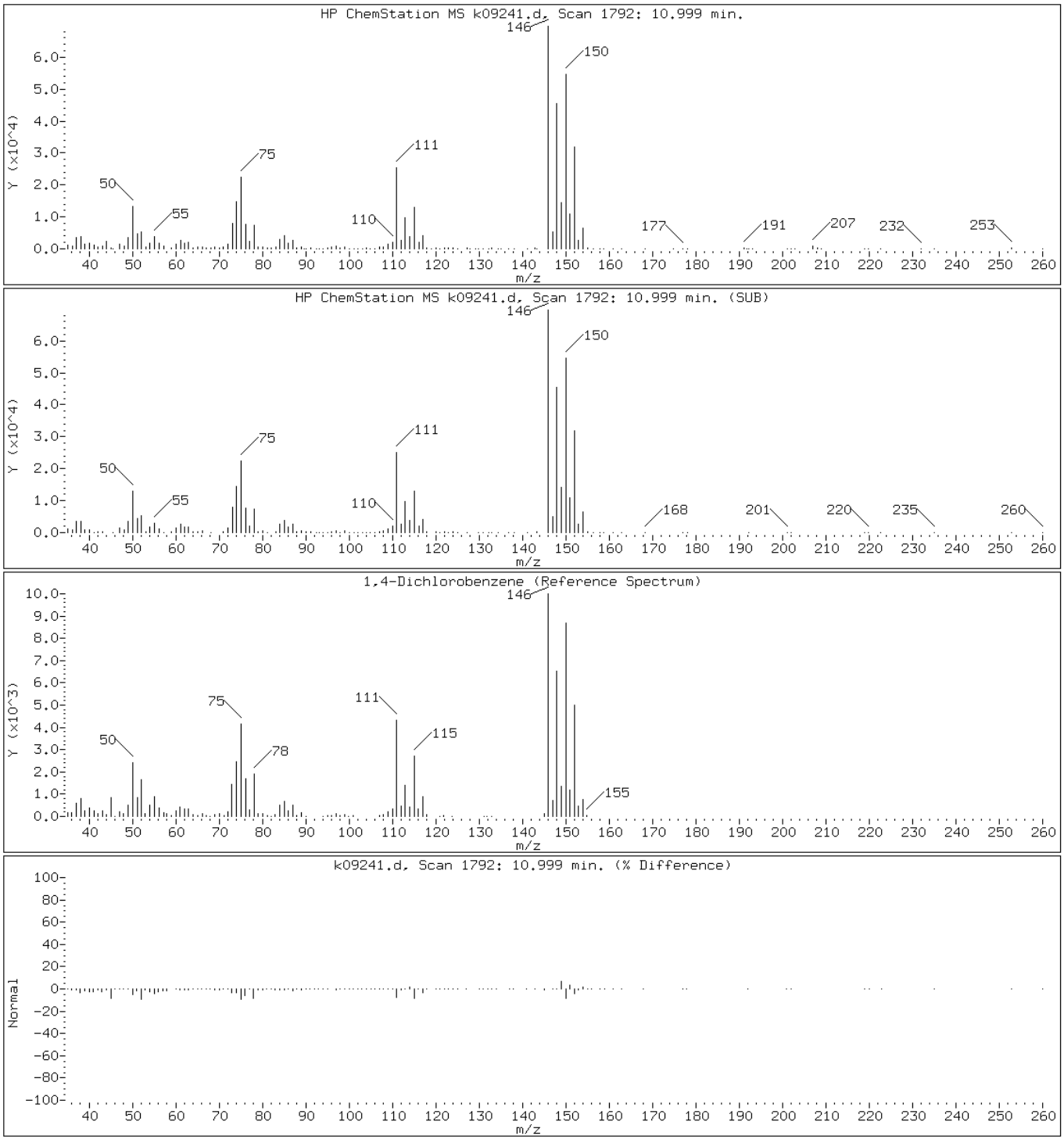
Data File: k09241.d

Date: 06-FEB-2013 14:32

Client ID: MW-7 Instrument: VOAMS9.i

Sample Info: 460-50248-A-6 Operator:

109 1,4-Dichlorobenzene



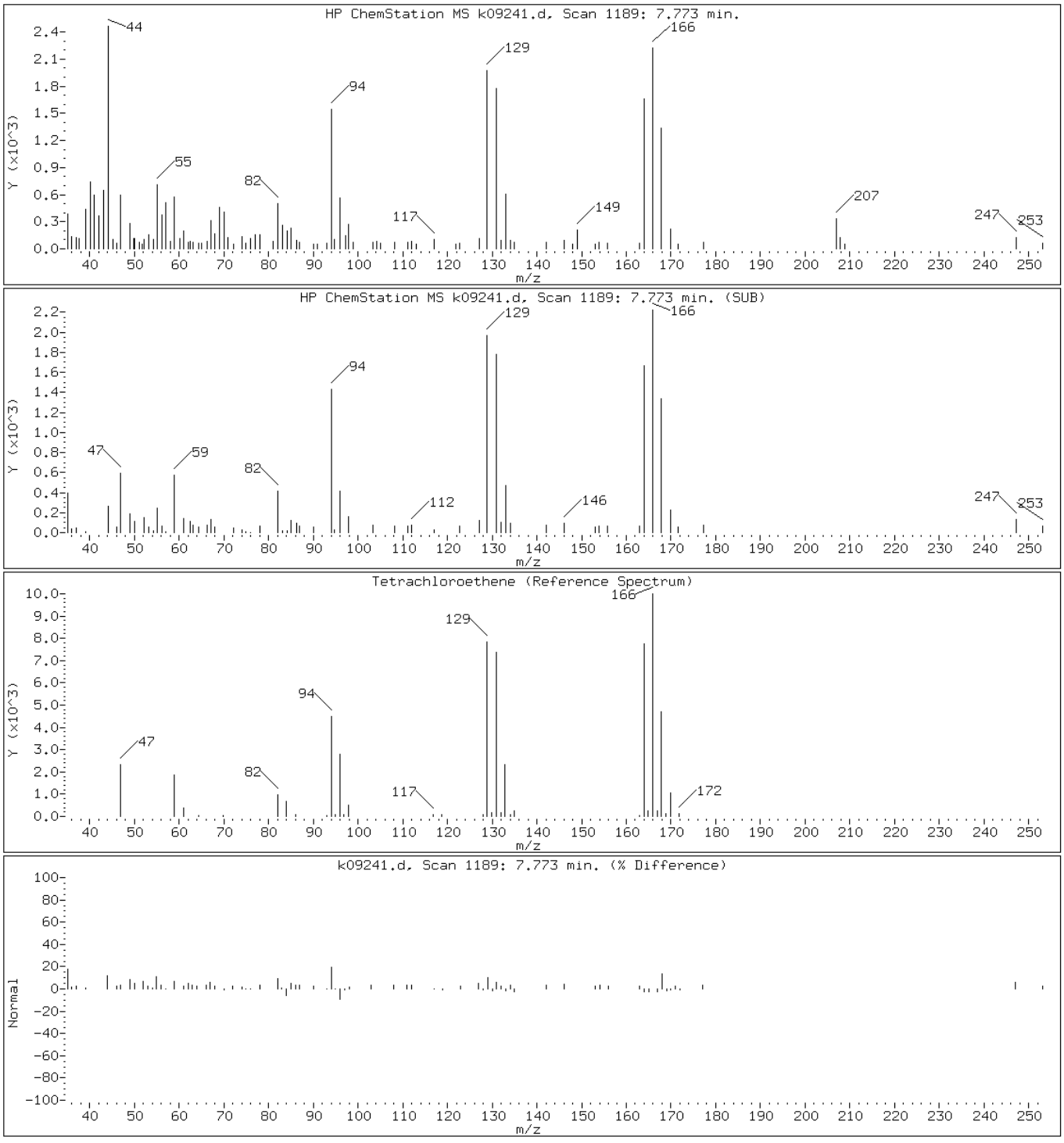
Data File: k09241.d

Date: 06-FEB-2013 14:32

Client ID: MW-7 Instrument: VOAMS9.i

Sample Info: 460-50248-A-6 Operator:

71 Tetrachloroethene



Manual Integration Report

Data File: k09241.d
Inj. Date and Time: 06-FEB-2013 14:32
Instrument ID: VOAMS9.i
Client ID: MW-7
Compound: 54 Trichloroethene
CAS #: 79-01-6
Report Date: 02/07/2013

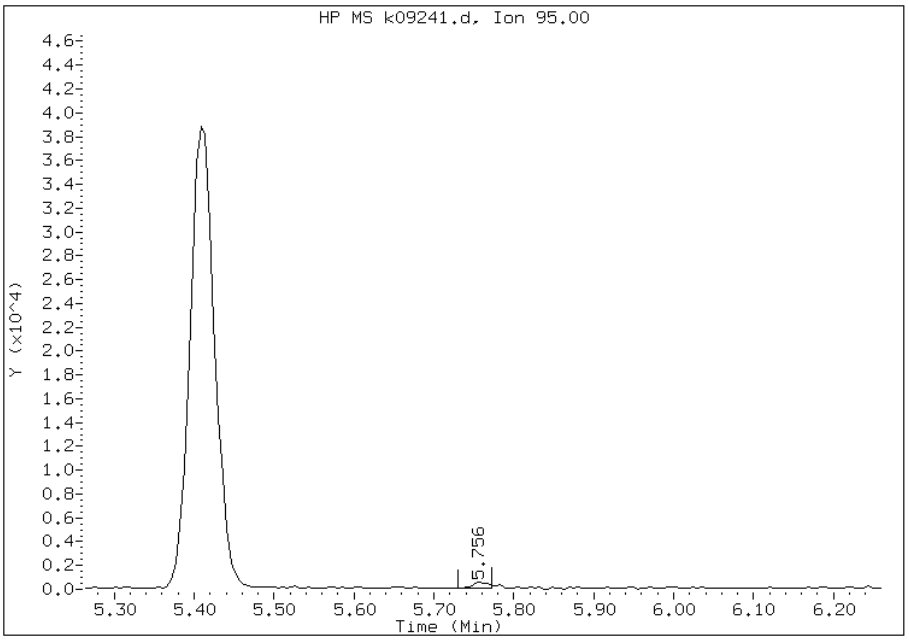
Processing Integration Results

RT: 5.76

Response: 713

Amount: 0

Conc: 0



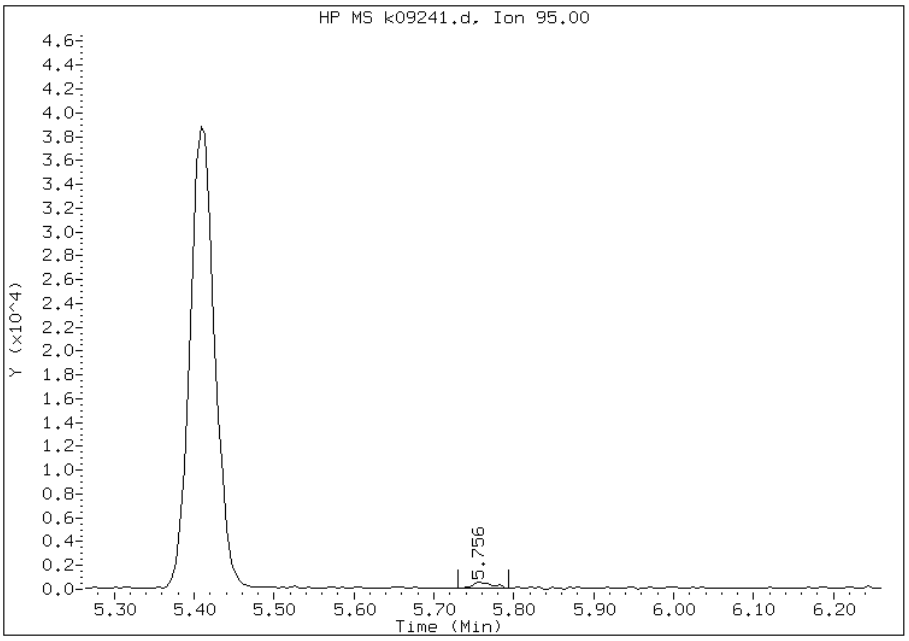
Manual Integration Results

RT: 5.76

Response: 915

Amount: 0

Conc: 0



Manually Integrated By: ken
Manual Integration Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 460-50248-7

Matrix: Water | Lab File ID: k09235.d

Analysis Method: 8260B | Date Collected: 11/19/2012 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2013 12:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

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

Analysis Batch No.: 146197 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U H	1.0	0.10
74-83-9	Bromomethane	1.0	U H	1.0	0.18
75-01-4	Vinyl chloride	1.0	U H	1.0	0.14
75-00-3	Chloroethane	1.0	U H	1.0	0.17
75-09-2	Methylene Chloride	1.0	U H	1.0	0.18
67-64-1	Acetone	5.0	U H	5.0	2.7
75-15-0	Carbon disulfide	1.0	U H	1.0	0.13
75-69-4	Trichlorofluoromethane	1.0	U H	1.0	0.15
75-35-4	1,1-Dichloroethene	1.0	U H	1.0	0.090
75-34-3	1,1-Dichloroethane	1.0	U H	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	1.0	U H	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	1.0	U H	1.0	0.18
67-66-3	Chloroform	1.0	U H	1.0	0.080
78-93-3	2-Butanone	5.0	U H	5.0	2.3
107-06-2	1,2-Dichloroethane	1.0	U H	1.0	0.19
71-55-6	1,1,1-Trichloroethane	1.0	U H	1.0	0.060
56-23-5	Carbon tetrachloride	1.0	U H	1.0	0.060
71-43-2	Benzene	1.0	U H	1.0	0.080
75-25-2	Bromoform	1.0	U H	1.0	0.19
100-42-5	Styrene	1.0	U H	1.0	0.12
179601-23-1	m&p-Xylene	2.0	U H	2.0	0.25
95-47-6	o-Xylene	1.0	U H	1.0	0.13
100-41-4	Ethylbenzene	1.0	U H	1.0	0.10
108-90-7	Chlorobenzene	1.0	U H	1.0	0.11
110-82-7	Cyclohexane	1.0	U H	1.0	0.16
98-82-8	Isopropylbenzene	1.0	U H	1.0	0.080
591-78-6	2-Hexanone	5.0	U H	5.0	0.50
1634-04-4	MTBE	1.0	U H	1.0	0.14
76-13-1	Freon TF	1.0	U H	1.0	0.080
79-20-9	Methyl acetate	2.0	U H	2.0	0.34
123-91-1	1,4-Dioxane	50	U H	50	36
79-01-6	Trichloroethene	1.0	U H	1.0	0.090
108-88-3	Toluene	1.0	U H	1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	1.0	U H	1.0	0.24
108-10-1	4-Methyl-2-pentanone	5.0	U H	5.0	0.99
10061-01-5	cis-1,3-Dichloropropene	1.0	U H	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 460-50248-7

Matrix: Water | Lab File ID: k09235.d

Analysis Method: 8260B | Date Collected: 11/19/2012 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2013 12:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

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

Analysis Batch No.: 146197 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	1.0	U H	1.0	0.21
541-73-1	1,3-Dichlorobenzene	1.0	U H	1.0	0.14
106-46-7	1,4-Dichlorobenzene	1.0	U H	1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	1.0	U H	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	1.0	U H	1.0	0.51
78-87-5	1,2-Dichloropropane	1.0	U H	1.0	0.090
108-87-2	Methylcyclohexane	1.0	U H	1.0	0.14
127-18-4	Tetrachloroethene	1.0	U H	1.0	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U H	1.0	0.40
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U H	1.0	0.16
79-00-5	1,1,2-Trichloroethane	1.0	U H	1.0	0.19
124-48-1	Dibromochloromethane	1.0	U H	1.0	0.20
106-93-4	1,2-Dibromoethane	1.0	U H	1.0	0.28
75-71-8	Dichlorodifluoromethane	1.0	U H	1.0	0.22
74-97-5	Bromochloromethane	1.0	U H	1.0	0.27
75-27-4	Bromodichloromethane	1.0	U H	1.0	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		70-130
2037-26-5	Toluene-d8 (Surr)	90		70-130
460-00-4	Bromofluorobenzene	97		70-130

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09235.d
Report Date: 06-Feb-2013 14:56

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09235.d
Lab Smp Id: 460-50248-A-7 Client Smp ID: TRIP BLANK
Inj Date : 06-FEB-2013 12:10
Operator : Inst ID: VOAMS9.i
Smp Info : 460-50248-A-7
Misc Info : 460-50248-A-7
Comment :
Method : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/8260_09.m
Meth Date : 06-Feb-2013 08:47 desais Quant Type: ISTD
Cal Date : 25-JAN-2013 21:33 Cal File: k08903.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 47 1,2-Dichloroethane-d4 (SUR)	65	5.136	5.131	(0.950)	203988	43.5252	44
* 52 Fluorobenzene	96	5.409	5.409	(1.000)	866610	50.0000	
$ 65 Toluene-d8 (SUR)	98	7.083	7.083	(0.799)	593367	44.8491	45
* 78 Chlorobenzene-d5	117	8.870	8.870	(1.000)	614971	50.0000	
$ 89 Bromofluorobenzene (SUR)	174	10.116	10.117	(0.921)	240270	48.4990	48
* 108 1,4-Dichlorobenzene-d4	152	10.983	10.983	(1.000)	335892	50.0000	

Data File: k09235.d

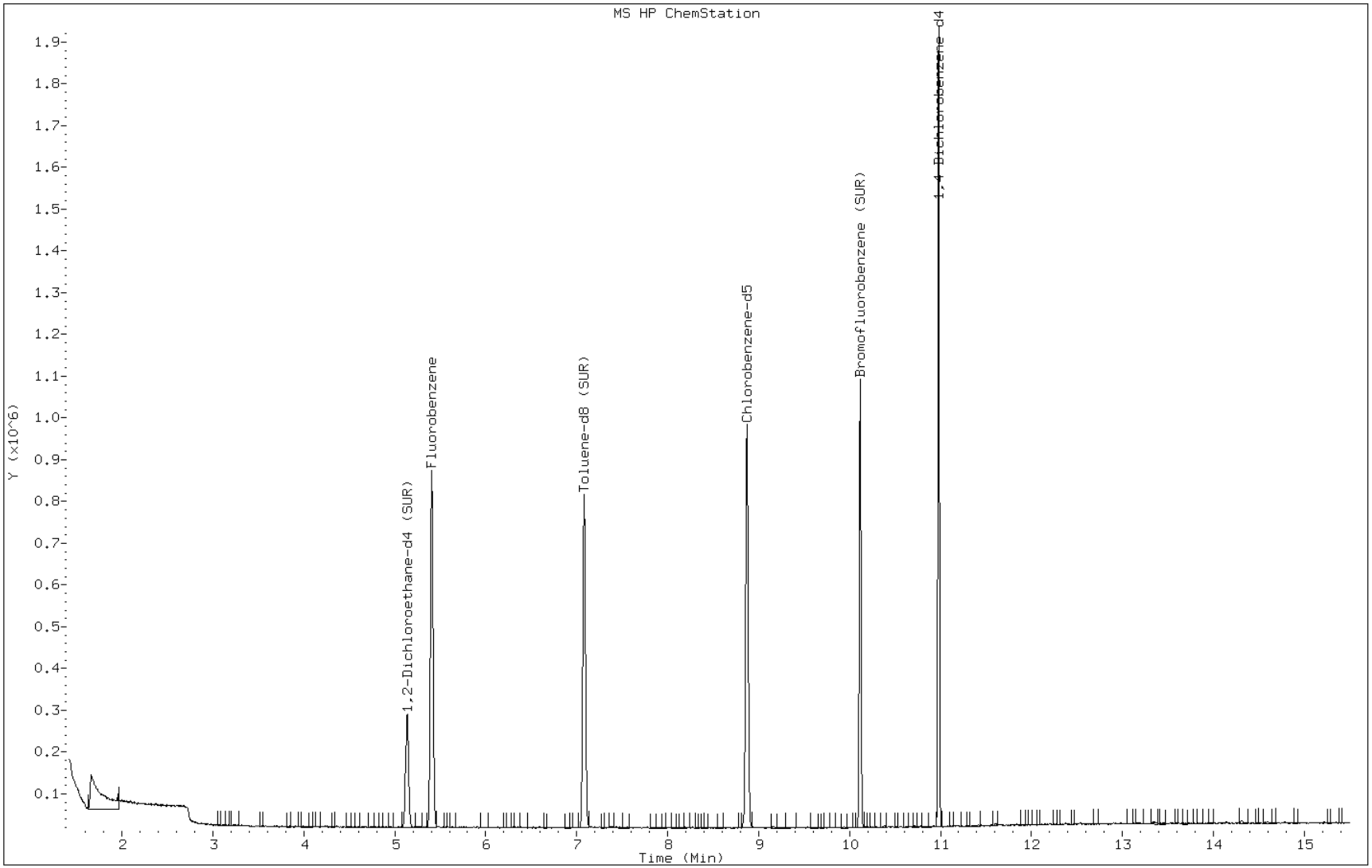
Date: 06-FEB-2013 12:10

Client ID: TRIP BLANK

Instrument: VOAMS9.i

Sample Info: 460-50248-A-7

Operator:



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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 144896

SDG No.:

Instrument ID: VOAMS9 GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2013 19:36 Calibration End Date: 01/25/2013 21:33 Calibration ID: 19975

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-144896/2	k08898.d
Level 2	IC 460-144896/3	k08899.d
Level 3	ICIS 460-144896/4	k08900.d
Level 4	IC 460-144896/5	k08901.d
Level 5	IC 460-144896/6	k08902.d
Level 6	IC 460-144896/7	k08903.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	0.0717 0.0676	0.0675	0.0627	0.0689	0.0648	Ave		0.0672				4.7		15.0			
Dichlorodifluoromethane	0.4242 0.3651	0.3810	0.3268	0.3720	0.3663	Ave		0.3726				8.4		15.0			
Chloromethane	0.6029 0.4653	0.5105	0.4399	0.4698	0.4593	Ave		0.4913			0.1000	12.1		15.0			
Vinyl chloride	0.5074 0.4281	0.4637	0.3971	0.4359	0.4229	Ave		0.4425				8.7		30.0			
Bromomethane	0.3096 0.2378	0.2666	0.2322	0.2429	0.2373	Ave		0.2544				11.6		15.0			
Chloroethane	0.2709 0.2278	0.2455	0.2113	0.2316	0.2288	Ave		0.2360				8.6		15.0			
Dichlorofluoromethane	0.9063 0.6665	0.7116	0.5966	0.6573	0.6666	LinF		0.6664							1.0000		0.9900
Trichlorofluoromethane	0.5487 0.4699	0.4846	0.4215	0.4731	0.4662	Ave		0.4774				8.6		15.0			
n-Pentane	0.0409 0.0490	0.0434	0.0374	0.0442	0.0479	Ave		0.0438				9.9		15.0			
Ethanol	0.0017 0.0020	0.0018	0.0017	0.0019	0.0019	Ave		0.0018				6.1		15.0			
Ethyl ether	0.2876 0.2454	0.2641	0.2366	0.2487	0.2463	Ave		0.2548				7.2		15.0			
1,2-Dichlorotrifluoroethane	0.8721 0.7811	0.8435	0.6820	0.7611	0.7738	Ave		0.7856				8.5		15.0			
Isopropene	0.9302 0.7809	0.8233	0.6803	0.7714	0.7782	Ave		0.7941				10.3		15.0			
Acrolein	0.0891 0.0472	0.0590	0.0483	0.0484	0.0461	LinF		0.0471							0.9994		0.9900
Freon TF	0.2433 0.2612	0.2491	0.2203	0.2437	0.2631	Ave		0.2468				6.3		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 144896

SDG No.:

Instrument ID: VOAMS9 GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2013 19:36 Calibration End Date: 01/25/2013 21:33 Calibration ID: 19975

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloroethene	0.2378 0.2240	0.2416	0.2163	0.2193	0.2274	Ave		0.2278				4.4		30.0			
Acetone	0.1230 0.0942	0.0965	0.0985	0.0954	0.0991	Ave		0.1011				10.7		15.0			
Iodomethane	0.5477 0.4799	0.5012	0.4363	0.4767	0.4803	Ave		0.4870				7.5		15.0			
Carbon disulfide	1.2218 1.0644	1.0395	0.8958	1.0208	1.0492	Ave		1.0486				10.0		15.0			
Methyl acetate	0.4598 0.3344	0.3508	0.3253	0.3340	0.3346	Ave		0.3565				14.4		15.0			
Cyclopentene	0.8926 0.8350	0.7998	0.6889	0.7858	0.8303	Ave		0.8054				8.4		15.0			
Methylene Chloride	0.3530 0.3154	0.3508	0.2976	0.3105	0.3115	Ave		0.3231				7.1		15.0			
TBA	0.0475 +++++	0.0409	0.0387	0.0380	0.0363	Ave		0.0403				10.8		15.0			
MTBE	1.0363 0.9217	0.9982	0.9017	0.9386	0.9279	Ave		0.9541				5.4		15.0			
trans-1,2-Dichloroethene	0.3421 0.2721	0.3002	0.2622	0.2712	0.2707	Ave		0.2864				10.5		15.0			
Acrylonitrile	0.1326 0.1273	0.1274	0.1192	0.1234	0.1198	Ave		0.1249				4.1		15.0			
Hexane	0.2122 0.2248	0.2252	0.1852	0.2131	0.2291	Ave		0.2149				7.5		15.0			
DIPE	1.2942 1.1901	1.2025	1.1086	1.2031	1.2073	Ave		1.2010				4.9		15.0			
1,1-Dichloroethane	0.6117 0.5699	0.5980	0.5426	0.5601	0.5624	Ave		0.5741			0.1000	4.5		15.0			
Vinyl acetate	0.9516 0.9107	0.9471	0.8420	0.9286	0.8943	Ave		0.9124				4.5		15.0			
Tert-butyl ethyl ether	1.2822 1.0404	1.1323	0.9927	1.0677	1.0490	Ave		1.0941				9.4		15.0			
2,2-Dichloropropane	0.4982 0.4550	0.4990	0.4390	0.4589	0.4560	Ave		0.4677				5.3		15.0			
cis-1,2-Dichloroethene	0.3516 0.3197	0.3461	0.3025	0.3161	0.3170	Ave		0.3255				5.9		15.0			
2-Butanone	0.0354 0.0377	0.0347	0.0381	0.0373	0.0366	Ave		0.0366				3.7		15.0			
Ethyl acetate	0.0394 0.0340	0.0379	0.0315	0.0319	0.0328	Ave		0.0346				9.5		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 144896

SDG No.:

Instrument ID: VOAMS9 GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2013 19:36 Calibration End Date: 01/25/2013 21:33 Calibration ID: 19975

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Bromochloromethane	0.1779 0.1473	0.1632	0.1394	0.1450	0.1452	Ave		0.1530				9.5		15.0			
Methacrylonitrile	0.1385 0.1338	0.1332	0.1284	0.1288	0.1308	Ave		0.1322				2.8		15.0			
Tetrahydrofuran	0.1860 0.1166	0.1090	0.1164	0.1131	0.1124	LinF		0.1160							0.9998		0.9900
Chloroform	0.5826 0.5277	0.5733	0.4944	0.5184	0.5201	Ave		0.5361				6.4		30.0			
Cyclohexane	0.4368 0.5597	0.4914	0.4264	0.5050	0.5519	Ave		0.4952				11.3		15.0			
1,1,1-Trichloroethane	0.4663 0.4625	0.4712	0.4138	0.4372	0.4484	Ave		0.4499				4.8		15.0			
Carbon tetrachloride	0.3479 0.3767	0.3469	0.3180	0.3378	0.3553	Ave		0.3471				5.6		15.0			
1,1-Dichloropropene	0.3505 0.3671	0.3646	0.3295	0.3497	0.3586	Ave		0.3533				3.9		15.0			
Benzene	1.8567 1.7494	1.8696	1.6733	1.7025	1.7253	Ave		1.7628				4.6		15.0			
Isopropyl acetate	1.1530 0.8526	0.9662	0.8542	0.8481	0.8380	Ave		0.9187				13.5		15.0			
Tert-amyl methyl ether	1.0233 0.9785	0.9616	0.9194	0.9452	0.9600	Ave		0.9647				3.6		15.0			
1,2-Dichloroethane	0.4687 0.4311	0.4372	0.3964	0.4113	0.4181	Ave		0.4271				5.8		15.0			
n-Heptane	0.0779 0.1504	0.1432	0.1276	0.1429	0.1525	LinF		0.1506							0.9999		0.9900
2,4,4-Trimethyl-1-pentene	0.0368 0.0736	0.0607	0.0556	0.0650	0.0745	LinF		0.0737							0.9997		0.9900
Trichloroethene	0.3112 0.2998	0.2911	0.2639	0.2799	0.2892	Ave		0.2892				5.6		15.0			
Ethyl acrylate	0.0394 0.0291	0.0349	0.0287	0.0273	0.0278	LinF		0.0290							0.9996		0.9900
Methylcyclohexane	0.3269 0.4412	0.3891	0.3399	0.3958	0.4388	Ave		0.3886				12.4		15.0			
1,2-Dichloropropane	0.3657 0.3324	0.3368	0.2970	0.3144	0.3209	Ave		0.3279				7.1		30.0			
Methyl methacrylate	0.0818 0.0798	0.0783	0.0767	0.0746	0.0779	Ave		0.0782				3.1		15.0			
1,4-Dioxane	0.0035 +++++	0.0033	0.0038	0.0032	0.0041	Ave		0.0036				10.1		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 144896

SDG No.:

Instrument ID: VOAMS9 GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2013 19:36 Calibration End Date: 01/25/2013 21:33 Calibration ID: 19975

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Propyl acetate	0.5160 0.5139	0.5057	0.4899	0.4910	0.4927	Ave		0.5015				2.4		15.0			
Dibromomethane	0.2218 0.1949	0.2067	0.1738	0.1843	0.1893	Ave		0.1951				8.7		15.0			
Bromodichloromethane	0.4162 0.4147	0.3780	0.3464	0.3701	0.3913	Ave		0.3861				7.0		15.0			
2-Chloroethyl vinyl ether	0.2595 0.2216	0.2106	0.1997	0.2074	0.2138	Ave		0.2188				9.7		15.0			
Epichlorohydrin	0.0522 0.0493	0.0505	0.0494	0.0483	0.0479	Ave		0.0496				3.2		15.0			
cis-1,3-Dichloropropene	0.8183 0.7613	0.7513	0.6891	0.7126	0.7386	Ave		0.7452				6.0		15.0			
4-Methyl-2-pentanone	0.5199 0.5384	0.4954	0.5271	0.5218	0.5281	Ave		0.5218				2.8		15.0			
Toluene	1.7577 1.7709	1.7980	1.6433	1.6800	1.7243	Ave		1.7290				3.4		30.0			
trans-1,3-Dichloropropene	0.7280 0.6771	0.6772	0.6071	0.6332	0.6565	Ave		0.6632				6.3		15.0			
Ethyl methacrylate	0.4839 0.4316	0.4118	0.3932	0.4023	0.4176	Ave		0.4234				7.7		15.0			
1,1,2-Trichloroethane	0.4025 0.3401	0.3531	0.3110	0.3241	0.3303	Ave		0.3435				9.4		15.0			
Tetrachloroethene	0.3509 0.3765	0.3805	0.3355	0.3540	0.3649	Ave		0.3604				4.7		15.0			
1,3-Dichloropropane	0.7055 0.6555	0.6978	0.6064	0.6254	0.6387	Ave		0.6549				6.1		15.0			
2-Hexanone	0.3589 0.3491	0.3312	0.3504	0.3449	0.3402	Ave		0.3458				2.7		15.0			
Butyl acetate	0.1346 0.1086	0.1127	0.1042	0.1037	0.1058	Ave		0.1116				10.5		15.0			
Dibromochloromethane	0.4010 0.4152	0.3580	0.3291	0.3528	0.3860	Ave		0.3737				8.7		15.0			
1,2-Dibromoethane	0.4229 0.3899	0.4026	0.3595	0.3718	0.3809	Ave		0.3879				5.8		15.0			
Chlorobenzene	1.1026 1.1117	1.1319	1.0209	1.0481	1.0785	Ave		1.0823			0.3000	3.9		15.0			
Ethylbenzene	0.5807 0.5962	0.5926	0.5423	0.5599	0.5746	Ave		0.5744				3.6		30.0			
1,1,1,2-Tetrachloroethane	0.4097 0.4175	0.3955	0.3494	0.3746	0.3998	Ave		0.3911				6.4		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 144896

SDG No.:

Instrument ID: VOAMS9 GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2013 19:36 Calibration End Date: 01/25/2013 21:33 Calibration ID: 19975

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
m&p-Xylene	0.6738 0.7319	0.7651	0.6807	0.6961	0.7151	Ave		0.7104				4.8		15.0			
Butyl acrylate	0.3929 0.3859	0.3733	0.3646	0.3664	0.3730	Ave		0.3760				3.0		15.0			
o-Xylene	0.7349 0.7752	0.8012	0.7066	0.7286	0.7510	Ave		0.7496				4.6		15.0			
Styrene	1.2475 1.3119	1.2882	1.1939	1.2259	1.2616	Ave		1.2548				3.4		15.0			
Amly acetate	2.0622 1.8839	1.8529	1.8265	1.8668	1.8713	Ave		1.8939				4.5		15.0			
Bromoform	0.2389 0.2736	0.2295	0.2044	0.2201	0.2467	Ave		0.2355			0.1000	10.1		15.0			
Isopropylbenzene	1.5327 1.8873	1.9317	1.7487	1.8148	1.8688	Ave		1.7973				8.0		15.0			
Monobromobenzene	0.8510 0.8711	0.8949	0.8130	0.8371	0.8562	Ave		0.8539				3.3		15.0			
1,1,2,2-Tetrachloroethane	1.1524 1.0238	1.0727	0.9634	1.0050	0.9966	Ave		1.0356			0.3000	6.5		15.0			
N-Propylbenzene	3.6033 3.9937	4.4157	3.9343	4.1331	4.2329	Ave		4.0522				6.9		15.0			
1,2,3-Trichloropropane	0.2806 0.2514	0.2763	0.2377	0.2460	0.2478	Ave		0.2566				6.8		15.0			
trans-1,4-Dichloro-2-butene	0.3264 0.2780	0.2763	0.2805	0.2740	0.2707	Ave		0.2843				7.3		15.0			
2-Chlorotoluene	2.7591 2.9724	3.0487	2.7260	2.8624	2.9712	Ave		2.8900				4.5		15.0			
p-Ethyltoluene	3.4496 3.2688	3.2784	2.9470	3.1552	3.3889	Ave		3.2480				5.5		15.0			
1,3,5-Trimethylbenzene	2.3734 2.9485	2.9660	2.6698	2.8243	2.9513	Ave		2.7889				8.4		15.0			
4-Chlorotoluene	2.5016 2.6622	2.7284	2.4481	2.5467	2.6146	Ave		2.5836				4.0		15.0			
Butyl Methacrylate	1.2390 1.2614	1.1867	1.1701	1.2177	1.2477	Ave		1.2204				2.9		15.0			
tert-Butylbenzene	1.6557 2.3220	2.1854	1.9589	2.1456	2.2865	Ave		2.0924				11.9		15.0			
1,2,4-Trimethylbenzene	2.7396 3.0013	3.1311	2.7614	2.9436	3.0322	Ave		2.9349				5.3		15.0			
2-Octanone	1.4618 1.6543	1.3048	1.4026	1.3827	1.4120	Ave		1.4364				8.2		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 144896

SDG No.:

Instrument ID: VOAMS9 GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2013 19:36 Calibration End Date: 01/25/2013 21:33 Calibration ID: 19975

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
sec-Butylbenzene	2.3602 3.3940	3.4602	3.0916	3.3666	3.5090	Ave		3.1969				13.6		15.0			
p-Isopropyltoluene	2.1238 2.8608	2.9335	2.5921	2.8027	2.9344	Ave		2.7079				11.6		15.0			
1,3-Dichlorobenzene	1.4728 1.5952	1.6733	1.5012	1.5633	1.5858	Ave		1.5653				4.6		15.0			
1,4-Dichlorobenzene	1.6378 1.6542	1.7277	1.5669	1.6085	1.6311	Ave		1.6377				3.3		15.0			
Benzyl chloride	2.2751 2.1462	2.1221	2.0841	2.0800	2.1185	Ave		2.1377				3.4		15.0			
Indan	1.2924 1.1566	1.1426	1.0517	1.1023	1.1473	Ave		1.1488				7.0		15.0			
1,4-Diethylbenzene	0.5935 0.6649	0.6219	0.5636	0.6061	0.6386	Ave		0.6148				5.8		15.0			
n-Butylbenzene	2.5476 3.2741	3.4120	2.9862	3.1993	3.3099	Ave		3.1215				10.1		15.0			
1,2-Dichlorobenzene	1.6332 1.6490	1.7090	1.5452	1.6064	1.6115	Ave		1.6257				3.3		15.0			
1,2,4,5-Tetramethylbenzene	1.0316 1.0927	1.0103	0.9418	1.0120	1.0865	Ave		1.0292				5.4		15.0			
1,2-Dibromo-3-Chloropropane	0.2472 0.2103	0.2097	0.1757	0.1869	0.1941	Ave		0.2040				12.3		15.0			
1,2,4-Trichlorobenzene	1.0344 1.1020	1.1644	1.0366	1.1017	1.1167	Ave		1.0926				4.6		15.0			
Hexachlorobutadiene	0.2847 0.3935	0.4022	0.3244	0.3686	0.3886	Ave		0.3604				12.9		15.0			
Naphthalene	3.5109 3.1644	3.3395	2.9922	3.1649	3.1672	Ave		3.2232				5.5		15.0			
1,2,3-Trichlorobenzene	1.0764 1.0258	1.1074	0.9838	1.0433	1.0434	Ave		1.0467				4.0		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2708 0.2815	0.2685	0.2680	0.2670	0.2665	Ave		0.2704				2.1		15.0			
Toluene-d8 (Surr)	1.0760 1.1115	1.0759	1.0768	1.0606	1.0539	Ave		1.0758				1.9		15.0			
Bromofluorobenzene	0.7406 0.7511	0.7290	0.7437	0.7300	0.7303	Ave		0.7375				1.2		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 144896

SDG No.:

Instrument ID: VOAMS9 GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2013 19:36 Calibration End Date: 01/25/2013 21:33 Calibration ID: 19975

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-144896/2	k08898.d
Level 2	IC 460-144896/3	k08899.d
Level 3	ICIS 460-144896/4	k08900.d
Level 4	IC 460-144896/5	k08901.d
Level 5	IC 460-144896/6	k08902.d
Level 6	IC 460-144896/7	k08903.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Chlorotrifluoroethene	FB	Ave	1010 505590	4774	17889	49464	194819	1.00 500	5.00	20.0	50.0	200
Dichlorodifluoromethane	FB	Ave	5978 2731036	26940	93205	266973	1101216	1.00 500	5.00	20.0	50.0	200
Chloromethane	FB	Ave	8496 3479926	36098	125483	337182	1380869	1.00 500	5.00	20.0	50.0	200
Vinyl chloride	FB	Ave	7150 3202067	32790	113258	312839	1271355	1.00 500	5.00	20.0	50.0	200
Bromomethane	FB	Ave	4363 1778480	18848	66239	174309	713395	1.00 500	5.00	20.0	50.0	200
Chloroethane	FB	Ave	3817 1704050	17358	60265	166234	687994	1.00 500	5.00	20.0	50.0	200
Dichlorofluoromethane	FB	LinF	12771 4985342	50313	170172	471746	2004304	1.00 500	5.00	20.0	50.0	200
Trichlorofluoromethane	FB	Ave	7732 3514804	34268	120212	339538	1401784	1.00 500	5.00	20.0	50.0	200
n-Pentane	FB	Ave	1154 733447	6143	21318	63383	288155	2.00 1000	10.0	40.0	100	400
Ethanol	FB	Ave	24422 179843	50366	73393	107589	143120	1000 6000	2000	3000	4000	5000
Ethyl ether	FB	Ave	4052 1835139	18671	67488	178481	740625	1.00 500	5.00	20.0	50.0	200
1,2-Dichlorotrifluoroethane	FB	Ave	12289 5842371	59640	194533	546230	2326645	1.00 500	5.00	20.0	50.0	200
Isopropene	FB	Ave	13108 5840959	58214	194046	553580	2339842	1.00 500	5.00	20.0	50.0	200
Acrolein	FB	LinF	5023 282630	16691	27569	69525	138638	4.00 400	20.0	40.0	100	200
Freon TF	FB	Ave	3429 1953937	17610	62826	174892	791148	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethene	FB	Ave	3351 1675352	17086	61696	157405	683797	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 144896

SDG No.:

Instrument ID: VOAMS9 GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2013 19:36 Calibration End Date: 01/25/2013 21:33 Calibration ID: 19975

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acetone	FB	Ave	8663 704767	20478	28105	68477	297897	5.00 500	15.0	20.0	50.0	200
Iodomethane	FB	Ave	7717 3589044	35439	124447	342119	1444067	1.00 500	5.00	20.0	50.0	200
Carbon disulfide	FB	Ave	17217 7961232	73500	255518	732566	3154523	1.00 500	5.00	20.0	50.0	200
Methyl acetate	FB	Ave	6479 2500841	24807	92775	239718	1006033	1.00 500	5.00	20.0	50.0	200
Cyclopentene	FB	Ave	12577 6245143	56554	196483	563948	2496439	1.00 500	5.00	20.0	50.0	200
Methylene Chloride	FB	Ave	4974 2359041	24803	84889	222817	936684	1.00 500	5.00	20.0	50.0	200
TBA	FB	Ave	13378 +++++	57851	220982	545859	2184008	20.0 +++++	100	400	1000	4000
MTBE	FB	Ave	14602 6894169	70580	257192	673587	2789773	1.00 500	5.00	20.0	50.0	200
trans-1,2-Dichloroethene	FB	Ave	4821 2034801	21227	74787	194642	813895	1.00 500	5.00	20.0	50.0	200
Acrylonitrile	FB	Ave	3737 380897	18012	34003	88558	180032	2.00 200	10.0	20.0	50.0	100
Hexane	FB	Ave	2990 1681666	15920	52828	152906	688936	1.00 500	5.00	20.0	50.0	200
DIPE	FB	Ave	18237 8901330	85026	316194	863411	3629798	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethane	FB	Ave	8619 4262612	42281	154760	401993	1690781	1.00 500	5.00	20.0	50.0	200
Vinyl acetate	FB	Ave	26819 13622986	133930	480325	1332906	5377721	2.00 1000	10.0	40.0	100	400
Tert-butyl ethyl ether	FB	Ave	18068 7781339	80064	283147	766221	3154025	1.00 500	5.00	20.0	50.0	200
2,2-Dichloropropane	FB	Ave	7020 3403523	35286	125210	329354	1371010	1.00 500	5.00	20.0	50.0	200
cis-1,2-Dichloroethene	FB	Ave	4955 2391103	24470	86293	226882	953068	1.00 500	5.00	20.0	50.0	200
2-Butanone	FB	Ave	2493 281946	7351	10870	26760	109946	5.00 500	15.0	20.0	50.0	200
Ethyl acetate	FB	Ave	1110 508730	5362	17954	45855	197164	2.00 1000	10.0	40.0	100	400
Bromochloromethane	FB	Ave	2507 1101692	11536	39766	104059	436450	1.00 500	5.00	20.0	50.0	200
Methacrylonitrile	FB	Ave	3902 2002025	18837	73219	184924	786241	2.00 1000	10.0	40.0	100	400

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 144896

SDG No.:

Instrument ID: VOAMS9 GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2013 19:36 Calibration End Date: 01/25/2013 21:33 Calibration ID: 19975

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Tetrahydrofuran	FB	LinF	2621 871902	7710	33186	81186	338014	1.00 500	5.00	20.0	50.0	200
Chloroform	FB	Ave	8210 3946732	40536	141018	372009	1563846	1.00 500	5.00	20.0	50.0	200
Cyclohexane	FB	Ave	6155 4186395	34748	121612	362406	1659294	1.00 500	5.00	20.0	50.0	200
1,1,1-Trichloroethane	FB	Ave	6570 3459204	33315	118021	313786	1348139	1.00 500	5.00	20.0	50.0	200
Carbon tetrachloride	FB	Ave	4902 2817636	24530	90706	242453	1068137	1.00 500	5.00	20.0	50.0	200
1,1-Dichloropropene	FB	Ave	4939 2745679	25779	93980	250974	1078121	1.00 500	5.00	20.0	50.0	200
Benzene	CBZ	Ave	17672 9181297	89048	322583	844686	3592292	1.00 500	5.00	20.0	50.0	200
Isopropyl acetate	FB	Ave	32494 12754192	136640	487259	1217349	5039309	2.00 1000	10.0	40.0	100	400
Tert-amyl methyl ether	FB	Ave	14420 7318823	67993	262246	678323	2886489	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane	FB	Ave	6604 3224667	30914	113071	295172	1257101	1.00 500	5.00	20.0	50.0	200
n-Heptane	FB	LinF	1097 1124549	10125	36387	102541	458553	1.00 500	5.00	20.0	50.0	200
2,4,4-Trimethyl-1-pentene	FB	LinF	1037 1101458	8588	31744	93332	447985	2.00 1000	10.0	40.0	100	400
Trichloroethene	FB	Ave	4385 2242245	20582	75274	200859	869416	1.00 500	5.00	20.0	50.0	200
Ethyl acrylate	FB	LinF	555 217981	2467	8177	19609	83518	1.00 500	5.00	20.0	50.0	200
Methylcyclohexane	FB	Ave	4607 3300170	27514	96935	284082	1319403	1.00 500	5.00	20.0	50.0	200
1,2-Dichloropropane	FB	Ave	5153 2486481	23815	84720	225606	964788	1.00 500	5.00	20.0	50.0	200
Methyl methacrylate	FB	Ave	1152 596694	5535	21881	53564	234327	1.00 500	5.00	20.0	50.0	200
1,4-Dioxane	FB	Ave	2437 +++++	4716	8204	9202	15318	50.0 +++++	100	150	200	250
Propyl acetate	FB	Ave	7271 3843760	35755	139728	352391	1481248	1.00 500	5.00	20.0	50.0	200
Dibromomethane	FB	Ave	3126 1457854	14612	49582	132262	569132	1.00 500	5.00	20.0	50.0	200
Bromodichloromethane	FB	Ave	5865 3102025	26728	98815	265586	1176438	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 144896

SDG No.:

Instrument ID: VOAMS9 GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2013 19:36 Calibration End Date: 01/25/2013 21:33 Calibration ID: 19975

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
2-Chloroethyl vinyl ether	FB	Ave	3656 1657713	14891	56949	148841	642955	1.00 500	5.00	20.0	50.0	200
Epichlorohydrin	CBZ	Ave	9942 5173818	48098	190353	479153	1993074	20.0 10000	100	400	1000	4000
cis-1,3-Dichloropropene	CBZ	Ave	7789 3995489	35782	132850	353539	1537850	1.00 500	5.00	20.0	50.0	200
4-Methyl-2-pentanone	CBZ	Ave	24740 2825812	70780	101620	258883	1099604	5.00 500	15.0	20.0	50.0	200
Toluene	CBZ	Ave	16730 9294073	85636	316793	833552	3590276	1.00 500	5.00	20.0	50.0	200
trans-1,3-Dichloropropene	CBZ	Ave	6929 3553840	32255	117048	314179	1366883	1.00 500	5.00	20.0	50.0	200
Ethyl methacrylate	FB	Ave	6819 3228241	29114	112147	288705	1255437	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloroethane	CBZ	Ave	3831 1785144	16816	59962	160798	687697	1.00 500	5.00	20.0	50.0	200
Tetrachloroethene	CBZ	Ave	3340 1975942	18122	64686	175654	759745	1.00 500	5.00	20.0	50.0	200
1,3-Dichloropropane	CBZ	Ave	6715 3440406	33235	116901	310301	1329838	1.00 500	5.00	20.0	50.0	200
2-Hexanone	CBZ	Ave	17082 1832096	47330	67547	171120	708378	5.00 500	15.0	20.0	50.0	200
Butyl acetate	CBZ	Ave	2562 1139800	10740	40194	102938	440670	2.00 1000	10.0	40.0	100	400
Dibromochloromethane	CBZ	Ave	3817 2179316	17051	63445	175057	803747	1.00 500	5.00	20.0	50.0	200
1,2-Dibromoethane	CBZ	Ave	4025 2046271	19174	69304	184467	793126	1.00 500	5.00	20.0	50.0	200
Chlorobenzene	CBZ	Ave	10495 5834762	53909	196815	520028	2245550	1.00 500	5.00	20.0	50.0	200
Ethylbenzene	CBZ	Ave	5527 3128888	28227	104543	277788	1196387	1.00 500	5.00	20.0	50.0	200
1,1,1,2-Tetrachloroethane	CBZ	Ave	3900 2191268	18839	67360	185877	832504	1.00 500	5.00	20.0	50.0	200
m&p-Xylene	CBZ	Ave	12826 7682154	72881	262448	690719	2977917	2.00 1000	10.0	40.0	100	400
Butyl acrylate	CBZ	Ave	3740 2025586	17780	70292	181807	776612	1.00 500	5.00	20.0	50.0	200
o-Xylene	CBZ	Ave	6995 4068415	38158	136216	361482	1563653	1.00 500	5.00	20.0	50.0	200
Styrene	CBZ	Ave	11874 6885231	61355	230155	608264	2626936	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 144896

SDG No.:

Instrument ID: VOAMS9 GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2013 19:36 Calibration End Date: 01/25/2013 21:33 Calibration ID: 19975

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Amly acetate	DCB	Ave	10451 5387800	47484	188738	487595	2059739	1.00 500	5.00	20.0	50.0	200
Bromoform	CBZ	Ave	2274 1435928	10929	39406	109199	513685	1.00 500	5.00	20.0	50.0	200
Isopropylbenzene	CBZ	Ave	14588 9905389	92003	337128	900430	3891018	1.00 500	5.00	20.0	50.0	200
Monobromobenzene	DCB	Ave	4313 2491428	22934	84014	218635	942402	1.00 500	5.00	20.0	50.0	200
1,1,2,2-Tetrachloroethane	DCB	Ave	5840 2927855	27490	99547	262497	1096942	1.00 500	5.00	20.0	50.0	200
N-Propylbenzene	DCB	Ave	18261 11421602	113161	406543	1079537	4659192	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichloropropane	DCB	Ave	1422 718992	7080	24565	64243	272804	1.00 500	5.00	20.0	50.0	200
trans-1,4-Dichloro-2-butene	DCB	Ave	1654 794918	7081	28990	71556	298007	1.00 500	5.00	20.0	50.0	200
2-Chlorotoluene	DCB	Ave	13983 8500946	78128	281692	747637	3270388	1.00 500	5.00	20.0	50.0	200
p-Ethyltoluene	DCB	Ave	17482 9348431	84015	304524	824123	3730182	1.00 500	5.00	20.0	50.0	200
1,3,5-Trimethylbenzene	DCB	Ave	12028 8432384	76010	275884	737690	3248453	1.00 500	5.00	20.0	50.0	200
4-Chlorotoluene	DCB	Ave	12678 7613792	69921	252969	665196	2877853	1.00 500	5.00	20.0	50.0	200
Butyl Methacrylate	DCB	Ave	6279 3607490	30412	120913	318057	1373324	1.00 500	5.00	20.0	50.0	200
tert-Butylbenzene	DCB	Ave	8391 6640845	56004	202426	560431	2516753	1.00 500	5.00	20.0	50.0	200
1,2,4-Trimethylbenzene	DCB	Ave	13884 8583452	80240	285346	768856	3337506	1.00 500	5.00	20.0	50.0	200
2-Octanone	DCB	Ave	7408 4731295	33438	144939	361161	1554143	1.00 500	5.00	20.0	50.0	200
sec-Butylbenzene	DCB	Ave	11961 9706557	88673	319466	879343	3862332	1.00 500	5.00	20.0	50.0	200
p-Isopropyltoluene	DCB	Ave	10763 8181828	75175	267851	732063	3229870	1.00 500	5.00	20.0	50.0	200
1,3-Dichlorobenzene	DCB	Ave	7464 4562296	42882	155122	408327	1745541	1.00 500	5.00	20.0	50.0	200
1,4-Dichlorobenzene	DCB	Ave	8300 4730834	44275	161913	420146	1795369	1.00 500	5.00	20.0	50.0	200
Benzyl chloride	DCB	Ave	11530 6138061	54383	215360	543296	2331866	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 144896

SDG No.:

Instrument ID: VOAMS9 GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2013 19:36 Calibration End Date: 01/25/2013 21:33 Calibration ID: 19975

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Indan	FB	Ave	18211 8650396	80789	299983	791088	3449574	1.00 500	5.00	20.0	50.0	200
1,4-Diethylbenzene	FB	Ave	8363 4973095	43973	160748	434968	1920002	1.00 500	5.00	20.0	50.0	200
n-Butylbenzene	DCB	Ave	12911 9363820	87438	308579	835649	3643194	1.00 500	5.00	20.0	50.0	200
1,2-Dichlorobenzene	DCB	Ave	8277 4715935	43795	159675	419598	1773799	1.00 500	5.00	20.0	50.0	200
1,2,4,5-Tetramethylbenzene	FB	Ave	14537 8173119	71436	268625	726274	3266796	1.00 500	5.00	20.0	50.0	200
1,2-Dibromo-3-Chloropropane	DCB	Ave	1253 601544	5373	18155	48806	213665	1.00 500	5.00	20.0	50.0	200
1,2,4-Trichlorobenzene	DCB	Ave	5242 3151672	29840	107116	287761	1229146	1.00 500	5.00	20.0	50.0	200
Hexachlorobutadiene	DCB	Ave	1443 1125472	10308	33525	96275	427775	1.00 500	5.00	20.0	50.0	200
Naphthalene	DCB	Ave	17793 9050010	85580	309192	826671	3486086	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichlorobenzene	DCB	Ave	5455 2933767	28378	101661	272498	1148507	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane-d4 (Surr)	FB	Ave	190781 210560	189840	191105	191599	200291	50.0 50.0	50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	512066 583353	512416	518986	526249	548599	50.0 50.0	50.0	50.0	50.0	50.0
Bromofluorobenzene	DCB	Ave	187671 214801	186812	192124	190680	200973	50.0 50.0	50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08898.d
Report Date: 11-Feb-2013 17:47

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08898.d
Lab Smp Id: IC-VMCAL1
Inj Date : 25-JAN-2013 19:36
Operator : Inst ID: VOAMS9.i
Smp Info : IC-VMCAL1
Misc Info :
Comment :
Method : /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/8260_09.m
Meth Date : 11-Feb-2013 17:47 maryb Quant Type: ISTD
Cal Date : 25-JAN-2013 19:36 Cal File: k08898.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
167	Chlorotrifluoroethene	66	1.525	1.536	(0.282)	1010	1.00000	1.1
2	Dichlorodifluoromethane	85	1.552	1.568	(0.287)	5978	1.00000	1.1
3	Chloromethane	50	1.718	1.723	(0.318)	8496	1.00000	1.2
4	Vinyl Chloride	62	1.819	1.824	(0.336)	7150	1.00000	1.1
6	Bromomethane	94	2.092	2.103	(0.387)	4363	1.00000	1.2
5	Chloroethane	64	2.156	2.167	(0.399)	3817	1.00000	1.1
183	Dichlorofluoromethane	67	2.354	2.359	(0.435)	12771	1.00000	1.4
7	Trichlorofluoromethane	101	2.376	2.386	(0.439)	7732	1.00000	1.1
8	n-Pentane	72	2.381	2.392	(0.440)	1154	2.00000	1.9(a)
9	Ethanol	46	2.541	2.541	(0.470)	24422	1000.00	940(a)
11	Ethyl Ether	59	2.579	2.579	(0.477)	4052	1.00000	1.1
10	Isoprene	67	2.600	2.606	(0.481)	13108	1.00000	1.2
168	1,2-Dichlorotrifluoroethane	67	2.600	2.606	(0.481)	12289	1.00000	1.1
13	Acrolein	56	2.745	2.755	(0.507)	5023	4.00000	7.6
14	Freon TF	101	2.766	2.766	(0.511)	3429	1.00000	0.99(a)
15	1,1-Dichloroethene	96	2.788	2.798	(0.515)	3351	1.00000	1.0

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08898.d
Report Date: 11-Feb-2013 17:47

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	16 Acetone	43	2.878	2.878	(0.532)	8663	5.00000	6.1
	17 Iodomethane	142	2.943	2.953	(0.544)	7717	1.00000	1.1
	18 Carbon Disulfide	76	2.980	2.985	(0.551)	17217	1.00000	1.2
	170 Cyclopentene	67	3.130	3.130	(0.579)	12577	1.00000	1.1
	27 Methyl Acetate	43	3.114	3.119	(0.576)	6479	1.00000	1.3
	22 Methylene Chloride	84	3.232	3.237	(0.597)	4974	1.00000	1.1
	24 TBA	59	3.296	3.301	(0.609)	13378	20.0000	24
	28 MTBE	73	3.397	3.403	(0.628)	14602	1.00000	1.1
	25 trans-1,2-Dichloroethene	96	3.413	3.424	(0.631)	4821	1.00000	1.2
	26 Acrylonitrile	53	3.499	3.499	(0.647)	3737	2.00000	2.1
	29 Hexane	43	3.579	3.579	(0.662)	2990	1.00000	0.99(a)
	32 DIPE	45	3.788	3.793	(0.700)	18237	1.00000	1.1
	30 1,1-Dichloroethane	63	3.820	3.825	(0.706)	8619	1.00000	1.1
	31 Vinyl Acetate	43	3.831	3.836	(0.708)	26819	2.00000	2.1
	35 t-Butyl-ethyl-ether	59	4.114	4.109	(0.761)	18068	1.00000	1.2
	37 2,2-Dichloropropane	77	4.328	4.333	(0.800)	7020	1.00000	1.1
	36 cis-1,2-Dichloroethene	96	4.344	4.350	(0.803)	4955	1.00000	1.1
	39 Ethyl Acetate	70	4.366	4.366	(0.807)	1110	2.00000	2.3
	38 2-Butanone	72	4.355	4.360	(0.805)	2493	5.00000	4.8(a)
	40 Bromochloromethane	128	4.569	4.574	(0.845)	2507	1.00000	1.2
	41 Tetrahydrofuran	42	4.762	4.574	(0.880)	2621	1.00000	1.6
	174 Methacrylonitrile	67	4.596	4.601	(0.850)	3902	2.00000	2.1
	42 Chloroform	83	4.622	4.622	(0.855)	8210	1.00000	1.1
	44 Cyclohexane	56	4.762	4.761	(0.880)	6155	1.00000	0.88(a)
	43 1,1,1-Trichloroethane	97	4.778	4.777	(0.883)	6570	1.00000	1.0
	45 Carbon Tetrachloride	117	4.890	4.895	(0.904)	4902	1.00000	1.0
	46 1,1-Dichloropropene	75	4.917	4.927	(0.909)	4939	1.00000	0.99(a)
	48 Benzene	78	5.120	5.125	(0.577)	17672	1.00000	1.0
$	47 1,2-Dichloroethane-d4 (SUR)	65	5.131	5.136	(0.949)	190781	50.0000	50
	61 Isopropyl Acetate	43	5.168	5.173	(0.955)	32494	2.00000	2.5
	50 t-Amyl-methyl-ether	73	5.179	5.184	(0.957)	14420	1.00000	1.1
	49 1,2-Dichloroethane	62	5.211	5.216	(0.963)	6604	1.00000	1.1
	51 n-Heptane	57	5.275	5.275	(0.975)	1097	1.00000	0.52(aM)
*	52 Fluorobenzene	96	5.409	5.409	(1.000)	704551	50.0000	
	166 2,4,4-Trimethyl-1-pentene	112	5.617	5.633	(1.039)	1037	2.00000	1.00(a)
	54 Trichloroethene	95	5.757	5.762	(1.064)	4385	1.00000	1.1
	55 Ethyl Acrylate	73	5.864	5.880	(1.084)	555	1.00000	1.4
	56 Methyl cyclohexane	83	5.890	5.896	(1.089)	4607	1.00000	0.84(a)
	57 1,2-Dichloropropane	63	6.051	6.056	(1.119)	5153	1.00000	1.1
	59 Methyl Methacrylate	100	6.131	6.131	(1.134)	1152	1.00000	1.0
	75 Propyl Acetate	43	6.179	6.179	(1.142)	7271	1.00000	1.0
	60 1,4-Dioxane	88	6.152	6.163	(1.137)	2437	50.0000	48(a)
	58 Dibromomethane	93	6.179	6.184	(1.142)	3126	1.00000	1.1
	68 Bromodichloromethane	83	6.329	6.334	(1.170)	5865	1.00000	1.1
	62 2-Chloroethyl Vinyl Ether	63	6.666	6.671	(1.232)	3656	1.00000	1.2
	63 Epichlorohydrin	57	6.773	6.778	(0.764)	9942	20.0000	21
	67 cis-1,3-Dichloropropene	75	6.832	6.832	(0.770)	7789	1.00000	1.1

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08898.d
Report Date: 11-Feb-2013 17:47

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	70	4-Methyl-2-Pentanone	43	6.998	6.998	(0.789)	24740	5.00000	5.0
$	65	Toluene-d8 (SUR)	98	7.078	7.083	(0.798)	512066	50.0000	50
	66	Toluene	91	7.153	7.158	(0.806)	16730	1.00000	1.0
	64	trans-1,3-Dichloropropene	75	7.501	7.506	(0.846)	6929	1.00000	1.1
	175	Ethyl methacrylate	69	7.533	7.533	(1.393)	6819	1.00000	1.1
	69	1,1,2-Trichloroethane	83	7.720	7.720	(0.870)	3831	1.00000	1.2
	71	Tetrachloroethene	166	7.768	7.773	(0.876)	3340	1.00000	0.97(a)
	72	1,3-Dichloropropane	76	7.929	7.934	(0.894)	6715	1.00000	1.1
	73	2-Hexanone	43	7.993	7.998	(0.901)	17082	5.00000	5.2
	76	Butyl Acetate	73	8.105	8.110	(0.914)	2562	2.00000	2.4
	74	Dibromochloromethane	129	8.164	8.164	(0.920)	3817	1.00000	1.1
	77	1,2-Dibromoethane	107	8.319	8.324	(0.938)	4025	1.00000	1.1
*	78	Chlorobenzene-d5	117	8.870	8.875	(1.000)	475902	50.0000	
	79	Chlorobenzene	112	8.908	8.907	(1.004)	10495	1.00000	1.0
	81	Ethylbenzene	106	9.009	9.014	(1.016)	5527	1.00000	1.0
	80	1,1,1,2-Tetrachloroethane	131	9.025	9.030	(1.017)	3900	1.00000	1.0
	82	m+p-Xylene	106	9.159	9.164	(1.033)	12826	2.00000	1.9
	83	Butyl Acrylate	73	9.582	9.587	(1.080)	3740	1.00000	1.0
	84	o-Xylene	106	9.603	9.603	(1.083)	6995	1.00000	0.98(a)
	85	Styrene	104	9.630	9.635	(1.086)	11874	1.00000	0.99(a)
	87	Amyl Acetate	43	9.806	9.806	(0.893)	10451	1.00000	1.1
	86	Bromoform	173	9.833	9.833	(1.109)	2274	1.00000	1.0
	88	Isopropylbenzene	105	9.940	9.945	(1.121)	14588	1.00000	0.85(a)
$	89	Bromofluorobenzene (SUR)	174	10.117	10.122	(0.921)	187671	50.0000	50
	92	1,1,2,2-Tetrachloroethane	83	10.266	10.266	(0.935)	5840	1.00000	1.1
	91	Bromobenzene	156	10.234	10.234	(0.932)	4313	1.00000	1.00
	95	n-Propylbenzene	91	10.293	10.293	(0.937)	18261	1.00000	0.89(a)
	94	trans-1,4-Dichloro-2-butene	53	10.325	10.325	(0.940)	1654	1.00000	1.1
	93	1,2,3-Trichloropropane	110	10.304	10.309	(0.938)	1422	1.00000	1.1
	96	2-Chlorotoluene	91	10.384	10.384	(0.945)	13983	1.00000	0.95(a)
	188	4-Ethyltoluene	105	10.384	10.384	(0.945)	17482	1.00000	1.0
	97	1,3,5-Trimethylbenzene	105	10.438	10.443	(0.950)	12028	1.00000	0.85(a)
	99	Butyl Methacrylate	87	10.512	10.518	(0.957)	6279	1.00000	1.0
	98	4-Chlorotoluene	91	10.475	10.475	(0.954)	12678	1.00000	0.97(a)
	100	tert-Butylbenzene	119	10.673	10.673	(0.972)	8391	1.00000	0.79(a)
	101	1,2,4-Trimethylbenzene	105	10.716	10.721	(0.976)	13884	1.00000	0.93(a)
	102	2-Octanone	43	10.807	10.807	(0.984)	7408	1.00000	1.0
	103	sec-Butylbenzene	105	10.828	10.828	(0.986)	11961	1.00000	0.74(a)
	107	p-Isopropyltoluene	119	10.924	10.930	(0.995)	10763	1.00000	0.78(a)
	105	1,3-Dichlorobenzene	146	10.935	10.935	(0.996)	7464	1.00000	0.94(a)
*	108	1,4-Dichlorobenzene-d4	152	10.983	10.983	(1.000)	253394	50.0000	
	109	1,4-Dichlorobenzene	146	10.999	10.999	(1.001)	8300	1.00000	1.0
	110	Benzyl Chloride	91	11.096	11.095	(1.010)	11530	1.00000	1.1
	187	1,4-Diethylbenzene	119	11.181	11.181	(2.067)	8363	1.00000	0.96(a)
	171	Indan	117	11.144	11.144	(2.060)	18211	1.00000	1.1
	106	n-Butylbenzene	91	11.192	11.197	(1.019)	12911	1.00000	0.82(a)
	111	1,2-Dichlorobenzene	146	11.245	11.245	(1.024)	8277	1.00000	1.0

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08898.d
Report Date: 11-Feb-2013 17:47

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	112 1,2-Dibromo-3-chloropropane	75	11.722	11.727	(1.067)	1253	1.00000	1.2
	186 1,2,4,5-Tetramethylbenzene	119	11.647	11.657	(2.153)	14537	1.00000	1.0
	114 1,2,4-Trichlorobenzene	180	12.203	12.208	(1.111)	5242	1.00000	0.95(a)
	115 Hexachlorobutadiene	225	12.262	12.272	(1.116)	1443	1.00000	0.79(a)
	116 Naphthalene	128	12.374	12.379	(1.127)	17793	1.00000	1.1
	117 1,2,3-Trichlorobenzene	180	12.535	12.540	(1.141)	5455	1.00000	1.0
M	120 1,2-Dichloroethene (Total)	100				9776	2.00000	2.3
M	121 Xylene (Total)	100				19821	3.00000	2.9(a)

QC Flag Legend

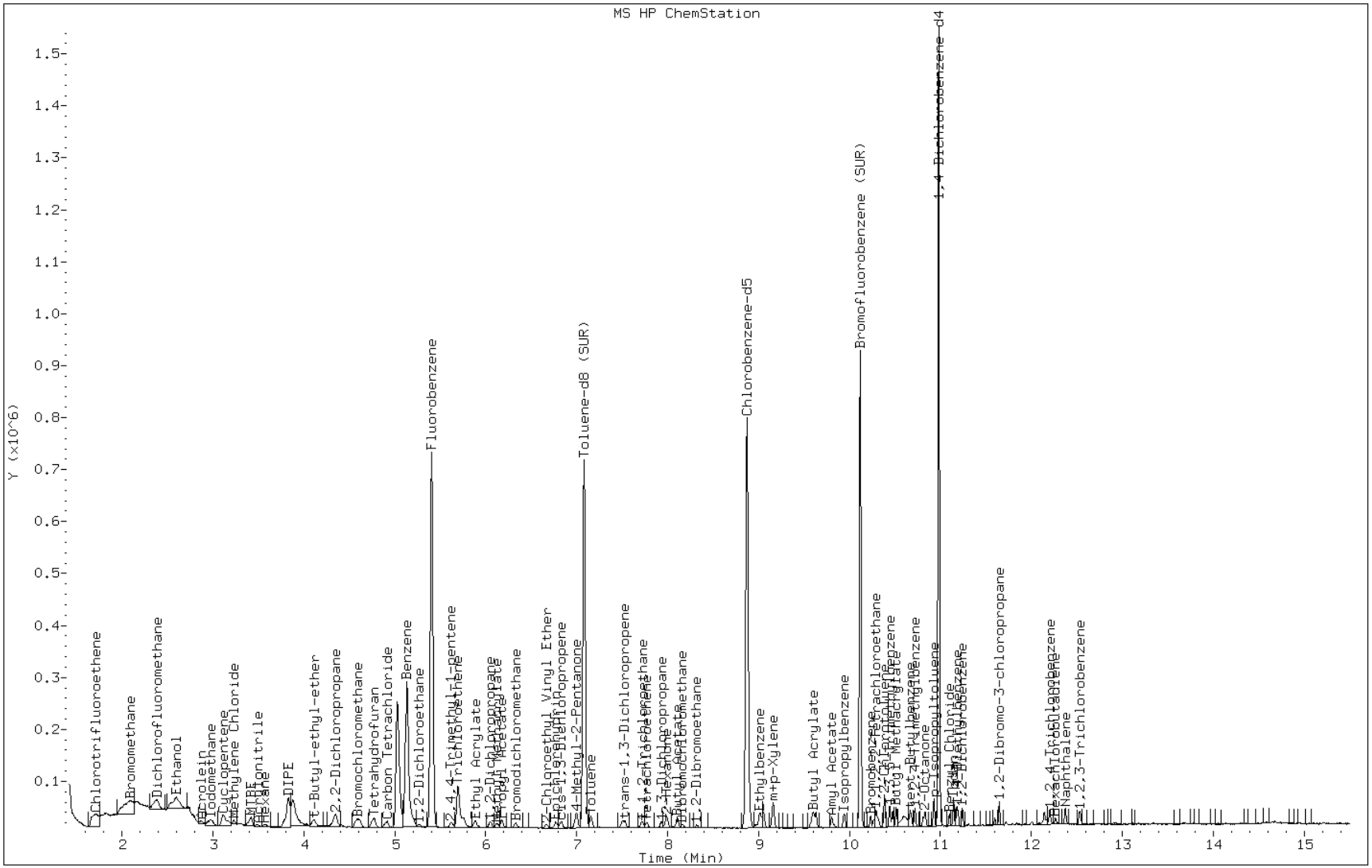
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: k08898.d

Date: 25-JAN-2013 19:36

Client ID: Instrument: VOAMS9.i

Sample Info: IC-VMCAL1 Operator:



Manual Integration Report

Data File: k08898.d
Inj. Date and Time: 25-JAN-2013 19:36
Instrument ID: VOAMS9.i
Client ID:
Compound: 51 n-Heptane
CAS #: 142-82-5
Report Date: 02/11/2013

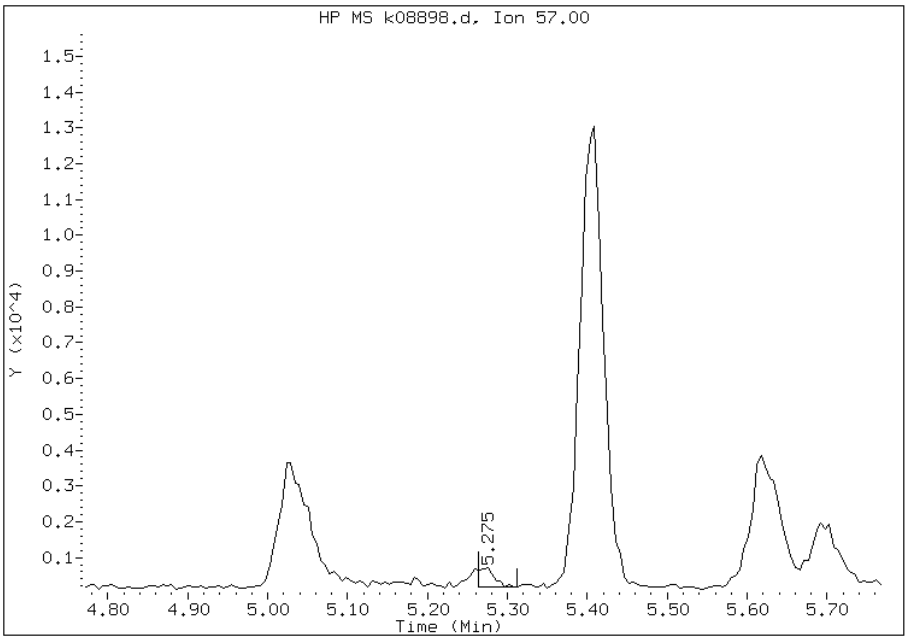
Processing Integration Results

RT: 5.28

Response: 760

Amount: 0

Conc: 0



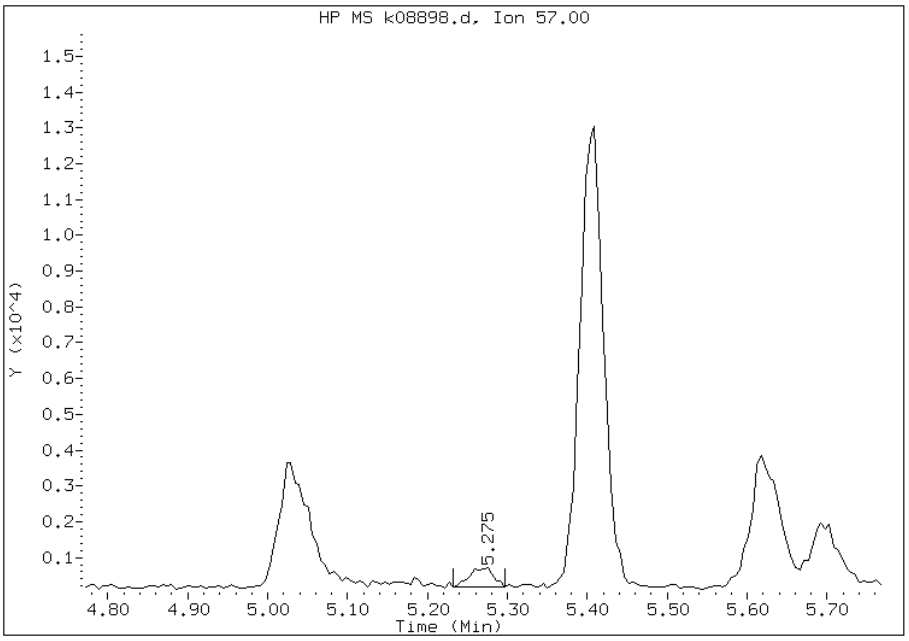
Manual Integration Results

RT: 5.28

Response: 1097

Amount: 1

Conc: 1



Manually Integrated By: maryb
Manual Integration Reason: Split Peak

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08899.d
Report Date: 11-Feb-2013 17:48

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08899.d
Lab Smp Id: IC-VMCAL2
Inj Date : 25-JAN-2013 19:59
Operator : Inst ID: VOAMS9.i
Smp Info : IC-VMCAL2
Misc Info :
Comment :
Method : /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/8260_09.m
Meth Date : 11-Feb-2013 17:47 maryb Quant Type: ISTD
Cal Date : 25-JAN-2013 19:59 Cal File: k08899.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
167 Chlorotrifluoroethene	66	1.520	1.536	(0.281)	4774	5.00000	5.0
2 Dichlorodifluoromethane	85	1.568	1.568	(0.290)	26940	5.00000	5.1
3 Chloromethane	50	1.718	1.723	(0.318)	36098	5.00000	5.2
4 Vinyl Chloride	62	1.819	1.824	(0.336)	32790	5.00000	5.2
6 Bromomethane	94	2.092	2.103	(0.387)	18848	5.00000	5.2
5 Chloroethane	64	2.162	2.167	(0.400)	17358	5.00000	5.2
183 Dichlorofluoromethane	67	2.354	2.359	(0.435)	50313	5.00000	5.3
7 Trichlorofluoromethane	101	2.376	2.386	(0.439)	34268	5.00000	5.1
8 n-Pentane	72	2.386	2.392	(0.441)	6143	10.0000	9.9
9 Ethanol	46	2.541	2.541	(0.470)	50366	2000.00	1900
11 Ethyl Ether	59	2.574	2.579	(0.476)	18671	5.00000	5.2
10 Isoprene	67	2.600	2.606	(0.481)	58214	5.00000	5.2
168 1,2-Dichlorotrifluoroethane	67	2.600	2.606	(0.481)	59640	5.00000	5.4
13 Acrolein	56	2.750	2.755	(0.508)	16691	20.0000	25
14 Freon TF	101	2.766	2.766	(0.511)	17610	5.00000	5.0
15 1,1-Dichloroethene	96	2.788	2.798	(0.515)	17086	5.00000	5.3

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08899.d
Report Date: 11-Feb-2013 17:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	16 Acetone	43	2.879	2.878	(0.532)	20478	15.0000	14
	17 Iodomethane	142	2.948	2.953	(0.545)	35439	5.00000	5.1
	18 Carbon Disulfide	76	2.980	2.985	(0.551)	73500	5.00000	5.0
	170 Cyclopentene	67	3.130	3.130	(0.579)	56554	5.00000	5.0
	27 Methyl Acetate	43	3.114	3.119	(0.576)	24807	5.00000	4.9
	22 Methylene Chloride	84	3.232	3.237	(0.597)	24803	5.00000	5.4
	24 TBA	59	3.296	3.301	(0.609)	57851	100.000	100
	28 MTBE	73	3.403	3.403	(0.629)	70580	5.00000	5.2
	25 trans-1,2-Dichloroethene	96	3.424	3.424	(0.633)	21227	5.00000	5.2
	26 Acrylonitrile	53	3.494	3.499	(0.646)	18012	10.0000	10
	29 Hexane	43	3.574	3.579	(0.661)	15920	5.00000	5.2
	32 DIPE	45	3.788	3.793	(0.700)	85026	5.00000	5.0
	30 1,1-Dichloroethane	63	3.825	3.825	(0.707)	42281	5.00000	5.2
	31 Vinyl Acetate	43	3.831	3.836	(0.708)	133930	10.0000	10
	35 t-Butyl-ethyl-ether	59	4.109	4.109	(0.760)	80064	5.00000	5.2
	37 2,2-Dichloropropane	77	4.323	4.333	(0.799)	35286	5.00000	5.3
	36 cis-1,2-Dichloroethene	96	4.344	4.350	(0.803)	24470	5.00000	5.3
	39 Ethyl Acetate	70	4.355	4.366	(0.805)	5362	10.0000	11
	38 2-Butanone	72	4.355	4.360	(0.805)	7351	15.0000	14
	40 Bromochloromethane	128	4.569	4.574	(0.845)	11536	5.00000	5.3
	41 Tetrahydrofuran	42	4.569	4.574	(0.845)	7710	5.00000	4.7
	174 Methacrylonitrile	67	4.596	4.601	(0.850)	18837	10.0000	10
	42 Chloroform	83	4.623	4.622	(0.855)	40536	5.00000	5.3
	44 Cyclohexane	56	4.762	4.761	(0.880)	34748	5.00000	5.0
	43 1,1,1-Trichloroethane	97	4.772	4.777	(0.882)	33315	5.00000	5.2
	45 Carbon Tetrachloride	117	4.895	4.895	(0.905)	24530	5.00000	5.0
	46 1,1-Dichloropropene	75	4.922	4.927	(0.910)	25779	5.00000	5.2
	48 Benzene	78	5.120	5.125	(0.577)	89048	5.00000	5.3
$	47 1,2-Dichloroethane-d4 (SUR)	65	5.136	5.136	(0.950)	189840	50.0000	50
	61 Isopropyl Acetate	43	5.174	5.173	(0.956)	136640	10.0000	10
	50 t-Amyl-methyl-ether	73	5.184	5.184	(0.958)	67993	5.00000	5.0
	49 1,2-Dichloroethane	62	5.211	5.216	(0.963)	30914	5.00000	5.1
	51 n-Heptane	57	5.270	5.275	(0.974)	10125	5.00000	4.8(a)
*	52 Fluorobenzene	96	5.409	5.409	(1.000)	707072	50.0000	
	166 2,4,4-Trimethyl-1-pentene	112	5.623	5.633	(1.040)	8588	10.0000	8.2
	54 Trichloroethene	95	5.762	5.762	(1.065)	20582	5.00000	5.0
	55 Ethyl Acrylate	73	5.880	5.880	(1.087)	2467	5.00000	6.0
	56 Methyl cyclohexane	83	5.890	5.896	(1.089)	27514	5.00000	5.0
	57 1,2-Dichloropropane	63	6.051	6.056	(1.119)	23815	5.00000	5.1
	59 Methyl Methacrylate	100	6.126	6.131	(1.133)	5535	5.00000	5.0
	75 Propyl Acetate	43	6.179	6.179	(1.142)	35755	5.00000	5.0
	60 1,4-Dioxane	88	6.158	6.163	(1.138)	4716	100.000	93
	58 Dibromomethane	93	6.179	6.184	(1.142)	14612	5.00000	5.3
	68 Bromodichloromethane	83	6.329	6.334	(1.170)	26728	5.00000	4.9
	62 2-Chloroethyl Vinyl Ether	63	6.671	6.671	(1.233)	14891	5.00000	4.8
	63 Epichlorohydrin	57	6.773	6.778	(0.764)	48098	100.000	100
	67 cis-1,3-Dichloropropene	75	6.832	6.832	(0.770)	35782	5.00000	5.0

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08899.d
Report Date: 11-Feb-2013 17:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	70 4-Methyl-2-Pentanone	43	6.998	6.998	(0.789)	70780	15.0000	14
$	65 Toluene-d8 (SUR)	98	7.083	7.083	(0.799)	512416	50.0000	50
	66 Toluene	91	7.158	7.158	(0.807)	85636	5.00000	5.2
	64 trans-1,3-Dichloropropene	75	7.501	7.506	(0.846)	32255	5.00000	5.1
	175 Ethyl methacrylate	69	7.533	7.533	(1.393)	29114	5.00000	4.9
	69 1,1,2-Trichloroethane	83	7.720	7.720	(0.870)	16816	5.00000	5.1
	71 Tetrachloroethene	166	7.768	7.773	(0.876)	18122	5.00000	5.3
	72 1,3-Dichloropropane	76	7.934	7.934	(0.894)	33235	5.00000	5.3
	73 2-Hexanone	43	7.993	7.998	(0.901)	47330	15.0000	14
	76 Butyl Acetate	73	8.105	8.110	(0.914)	10740	10.0000	10
	74 Dibromochloromethane	129	8.169	8.164	(0.921)	17051	5.00000	4.8
	77 1,2-Dibromoethane	107	8.325	8.324	(0.938)	19174	5.00000	5.2
*	78 Chlorobenzene-d5	117	8.870	8.875	(1.000)	476289	50.0000	
	79 Chlorobenzene	112	8.908	8.907	(1.004)	53909	5.00000	5.2
	81 Ethylbenzene	106	9.009	9.014	(1.016)	28227	5.00000	5.2
	80 1,1,1,2-Tetrachloroethane	131	9.025	9.030	(1.017)	18839	5.00000	5.0
	82 m+p-Xylene	106	9.164	9.164	(1.033)	72881	10.0000	11
	83 Butyl Acrylate	73	9.587	9.587	(1.081)	17780	5.00000	5.0
	84 o-Xylene	106	9.603	9.603	(1.083)	38158	5.00000	5.3
	85 Styrene	104	9.630	9.635	(1.086)	61355	5.00000	5.1
	87 Amyl Acetate	43	9.806	9.806	(0.893)	47484	5.00000	4.9
	86 Bromoform	173	9.828	9.833	(1.108)	10929	5.00000	4.9
	88 Isopropylbenzene	105	9.940	9.945	(1.121)	92003	5.00000	5.4
$	89 Bromofluorobenzene (SUR)	174	10.117	10.122	(0.921)	186812	50.0000	49
	92 1,1,2,2-Tetrachloroethane	83	10.266	10.266	(0.935)	27490	5.00000	5.2
	91 Bromobenzene	156	10.234	10.234	(0.932)	22934	5.00000	5.2
	95 n-Propylbenzene	91	10.293	10.293	(0.937)	113161	5.00000	5.4
	94 trans-1,4-Dichloro-2-butene	53	10.325	10.325	(0.940)	7081	5.00000	4.8
	93 1,2,3-Trichloropropane	110	10.309	10.309	(0.939)	7080	5.00000	5.4
	96 2-Chlorotoluene	91	10.384	10.384	(0.945)	78128	5.00000	5.3
	188 4-Ethyltoluene	105	10.389	10.384	(0.946)	84015	5.00000	4.9
	97 1,3,5-Trimethylbenzene	105	10.443	10.443	(0.951)	76010	5.00000	5.3
	99 Butyl Methacrylate	87	10.513	10.518	(0.957)	30412	5.00000	4.9
	98 4-Chlorotoluene	91	10.475	10.475	(0.954)	69921	5.00000	5.3
	100 tert-Butylbenzene	119	10.673	10.673	(0.972)	56004	5.00000	5.2
	101 1,2,4-Trimethylbenzene	105	10.716	10.721	(0.976)	80240	5.00000	5.3
	102 2-Octanone	43	10.807	10.807	(0.984)	33438	5.00000	4.5
	103 sec-Butylbenzene	105	10.828	10.828	(0.986)	88673	5.00000	5.4
	107 p-Isopropyltoluene	119	10.930	10.930	(0.995)	75175	5.00000	5.4
	105 1,3-Dichlorobenzene	146	10.930	10.935	(0.995)	42882	5.00000	5.3
*	108 1,4-Dichlorobenzene-d4	152	10.983	10.983	(1.000)	256267	50.0000	
	109 1,4-Dichlorobenzene	146	10.999	10.999	(1.001)	44275	5.00000	5.3
	110 Benzyl Chloride	91	11.096	11.095	(1.010)	54383	5.00000	5.0
	187 1,4-Diethylbenzene	119	11.176	11.181	(2.066)	43973	5.00000	5.0
	171 Indan	117	11.144	11.144	(2.060)	80789	5.00000	5.0
	106 n-Butylbenzene	91	11.192	11.197	(1.019)	87438	5.00000	5.5
	111 1,2-Dichlorobenzene	146	11.240	11.245	(1.023)	43795	5.00000	5.2

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08899.d
Report Date: 11-Feb-2013 17:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
112	1,2-Dibromo-3-chloropropane	75	11.722	11.727	(1.067)	5373	5.00000	5.1
186	1,2,4,5-Tetramethylbenzene	119	11.647	11.657	(2.153)	71436	5.00000	4.9
114	1,2,4-Trichlorobenzene	180	12.203	12.208	(1.111)	29840	5.00000	5.3
115	Hexachlorobutadiene	225	12.267	12.272	(1.117)	10308	5.00000	5.6
116	Naphthalene	128	12.374	12.379	(1.127)	85580	5.00000	5.2
117	1,2,3-Trichlorobenzene	180	12.535	12.540	(1.141)	28378	5.00000	5.3
M 120	1,2-Dichloroethene (Total)	100				45697	10.0000	10
M 121	Xylene (Total)	100				111039	15.0000	16

QC Flag Legend

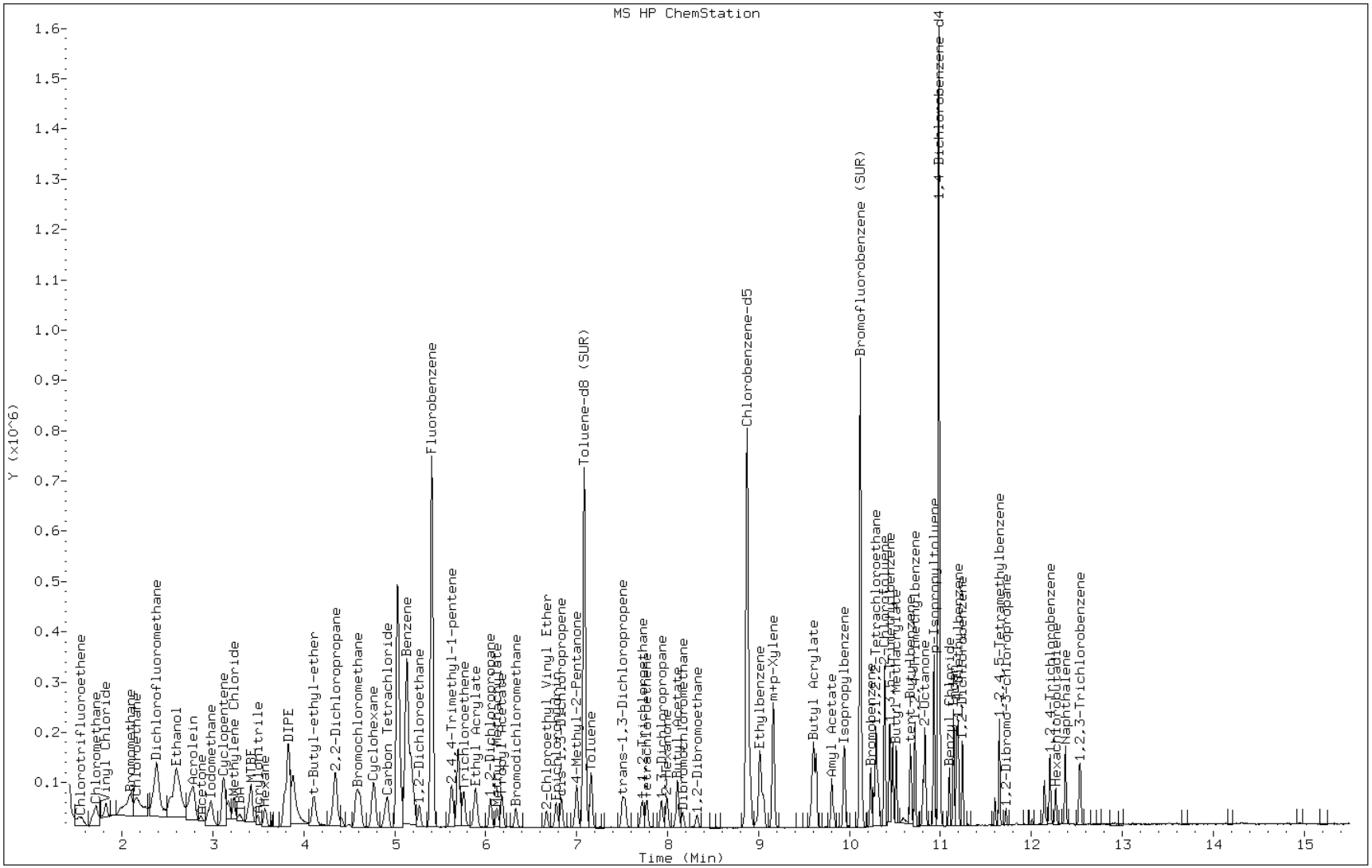
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: k08899.d

Date: 25-JAN-2013 19:59

Client ID: Instrument: VOAMS9.i

Sample Info: IC-VMCAL2 Operator:



Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08900.d
Report Date: 11-Feb-2013 17:48

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08900.d
Lab Smp Id: ICIS-VMCAL3
Inj Date : 25-JAN-2013 20:23
Operator : Inst ID: VOAMS9.i
Smp Info : ICIS-VMCAL3
Misc Info :
Comment :
Method : /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/8260_09.m
Meth Date : 11-Feb-2013 17:48 maryb Quant Type: ISTD
Cal Date : 25-JAN-2013 20:23 Cal File: k08900.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
167 Chlorotrifluoroethene	66	1.530	1.530	(0.283)	17889	20.0000	19
2 Dichlorodifluoromethane	85	1.562	1.562	(0.289)	93205	20.0000	18
3 Chloromethane	50	1.717	1.717	(0.318)	125483	20.0000	18
4 Vinyl Chloride	62	1.824	1.824	(0.337)	113258	20.0000	18
6 Bromomethane	94	2.097	2.097	(0.388)	66239	20.0000	18
5 Chloroethane	64	2.161	2.161	(0.400)	60265	20.0000	18
183 Dichlorofluoromethane	67	2.354	2.354	(0.435)	170172	20.0000	18
7 Trichlorofluoromethane	101	2.381	2.381	(0.440)	120212	20.0000	18
8 n-Pentane	72	2.386	2.386	(0.441)	21318	40.0000	34
9 Ethanol	46	2.531	2.531	(0.468)	73393	3000.00	2800
11 Ethyl Ether	59	2.579	2.579	(0.477)	67488	20.0000	18
10 Isoprene	67	2.605	2.605	(0.482)	194046	20.0000	17
168 1,2-Dichlorotrifluoroethane	67	2.605	2.605	(0.482)	194533	20.0000	17
13 Acrolein	56	2.750	2.750	(0.508)	27569	40.0000	41
14 Freon TF	101	2.771	2.771	(0.512)	62826	20.0000	18
15 1,1-Dichloroethene	96	2.793	2.793	(0.516)	61696	20.0000	19

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08900.d
Report Date: 11-Feb-2013 17:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	16 Acetone	43	2.873	2.873	(0.531)	28105	20.0000	19
	17 Iodomethane	142	2.948	2.948	(0.545)	124447	20.0000	18
	18 Carbon Disulfide	76	2.980	2.980	(0.551)	255518	20.0000	17
	170 Cyclopentene	67	3.130	3.130	(0.579)	196483	20.0000	17
	27 Methyl Acetate	43	3.114	3.114	(0.576)	92775	20.0000	18
	22 Methylene Chloride	84	3.237	3.237	(0.598)	84889	20.0000	18
	24 TBA	59	3.301	3.301	(0.610)	220982	400.000	380
	28 MTBE	73	3.403	3.403	(0.629)	257192	20.0000	19
	25 trans-1,2-Dichloroethene	96	3.419	3.419	(0.632)	74787	20.0000	18
	26 Acrylonitrile	53	3.494	3.494	(0.646)	34003	20.0000	19
	29 Hexane	43	3.579	3.579	(0.662)	52828	20.0000	17
	32 DIPE	45	3.793	3.793	(0.701)	316194	20.0000	18
	30 1,1-Dichloroethane	63	3.825	3.825	(0.707)	154760	20.0000	19
	31 Vinyl Acetate	43	3.831	3.831	(0.708)	480325	40.0000	37
	35 t-Butyl-ethyl-ether	59	4.109	4.109	(0.760)	283147	20.0000	18
	37 2,2-Dichloropropane	77	4.328	4.328	(0.800)	125210	20.0000	19
	36 cis-1,2-Dichloroethene	96	4.344	4.344	(0.803)	86293	20.0000	18
	39 Ethyl Acetate	70	4.355	4.355	(0.805)	17954	40.0000	36
	38 2-Butanone	72	4.360	4.360	(0.806)	10870	20.0000	21
	182 Methyl acrylate	55	5.179	5.179	(0.957)	57363	20.0000	(a)
	40 Bromochloromethane	128	4.574	4.574	(0.846)	39766	20.0000	18
	41 Tetrahydrofuran	42	4.569	4.569	(0.845)	33186	20.0000	20
	174 Methacrylonitrile	67	4.596	4.596	(0.850)	73219	40.0000	39
	42 Chloroform	83	4.622	4.622	(0.855)	141018	20.0000	18
	44 Cyclohexane	56	4.761	4.761	(0.880)	121612	20.0000	17
	43 1,1,1-Trichloroethane	97	4.772	4.772	(0.882)	118021	20.0000	18
	45 Carbon Tetrachloride	117	4.895	4.895	(0.905)	90706	20.0000	18
	46 1,1-Dichloropropene	75	4.922	4.922	(0.910)	93980	20.0000	19
	48 Benzene	78	5.120	5.120	(0.577)	322583	20.0000	19
$	47 1,2-Dichloroethane-d4 (SUR)	65	5.136	5.136	(0.950)	191105	50.0000	50
	61 Isopropyl Acetate	43	5.173	5.173	(0.956)	487259	40.0000	37
	50 t-Amyl-methyl-ether	73	5.184	5.184	(0.958)	262246	20.0000	19
	49 1,2-Dichloroethane	62	5.211	5.211	(0.963)	113071	20.0000	18
	51 n-Heptane	57	5.270	5.270	(0.974)	36387	20.0000	17
*	52 Fluorobenzene	96	5.409	5.409	(1.000)	713061	50.0000	
	166 2,4,4-Trimethyl-1-pentene	112	5.633	5.633	(1.042)	31744	40.0000	30
	54 Trichloroethene	95	5.756	5.756	(1.064)	75274	20.0000	18
	55 Ethyl Acrylate	73	5.874	5.874	(1.086)	8177	20.0000	20
	56 Methyl cyclohexane	83	5.896	5.896	(1.090)	96935	20.0000	17
	57 1,2-Dichloropropane	63	6.056	6.056	(1.120)	84720	20.0000	18
	59 Methyl Methacrylate	100	6.120	6.120	(1.132)	21881	20.0000	20
	75 Propyl Acetate	43	6.179	6.179	(1.142)	139728	20.0000	20
	60 1,4-Dioxane	88	6.163	6.163	(1.139)	8204	150.000	160
	58 Dibromomethane	93	6.184	6.184	(1.143)	49582	20.0000	18
	68 Bromodichloromethane	83	6.329	6.329	(1.170)	98815	20.0000	18
	62 2-Chloroethyl Vinyl Ether	63	6.666	6.666	(1.232)	56949	20.0000	18
	63 Epichlorohydrin	57	6.778	6.778	(0.764)	190353	400.000	400

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08900.d
Report Date: 11-Feb-2013 17:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	67 cis-1,3-Dichloropropene	75	6.832	6.832	(0.770)	132850	20.0000	18
	70 4-Methyl-2-Pentanone	43	6.998	6.998	(0.789)	101620	20.0000	20
$	65 Toluene-d8 (SUR)	98	7.083	7.083	(0.799)	518986	50.0000	50
	66 Toluene	91	7.158	7.158	(0.807)	316793	20.0000	19
	64 trans-1,3-Dichloropropene	75	7.506	7.506	(0.846)	117048	20.0000	18
	175 Ethyl methacrylate	69	7.533	7.533	(1.393)	112147	20.0000	18
	69 1,1,2-Trichloroethane	83	7.720	7.720	(0.870)	59962	20.0000	18
	71 Tetrachloroethene	166	7.768	7.768	(0.876)	64686	20.0000	19
	72 1,3-Dichloropropane	76	7.934	7.934	(0.894)	116901	20.0000	18
	73 2-Hexanone	43	7.993	7.993	(0.901)	67547	20.0000	20
	76 Butyl Acetate	73	8.110	8.110	(0.914)	40194	40.0000	37
	74 Dibromochloromethane	129	8.164	8.164	(0.920)	63445	20.0000	18
	77 1,2-Dibromoethane	107	8.324	8.324	(0.938)	69304	20.0000	18
*	78 Chlorobenzene-d5	117	8.870	8.870	(1.000)	481958	50.0000	
	79 Chlorobenzene	112	8.907	8.907	(1.004)	196815	20.0000	19
	81 Ethylbenzene	106	9.009	9.009	(1.016)	104543	20.0000	19
	80 1,1,1,2-Tetrachloroethane	131	9.025	9.025	(1.017)	67360	20.0000	18
	82 m+p-Xylene	106	9.164	9.164	(1.033)	262448	40.0000	38
	83 Butyl Acrylate	73	9.587	9.587	(1.081)	70292	20.0000	19
	84 o-Xylene	106	9.603	9.603	(1.083)	136216	20.0000	19
	85 Styrene	104	9.630	9.630	(1.086)	230155	20.0000	19
	87 Amyl Acetate	43	9.806	9.806	(0.893)	188738	20.0000	19
	86 Bromoform	173	9.828	9.828	(1.108)	39406	20.0000	17
	88 Isopropylbenzene	105	9.940	9.940	(1.121)	337128	20.0000	19
$	89 Bromofluorobenzene (SUR)	174	10.116	10.116	(0.921)	192124	50.0000	50
	92 1,1,2,2-Tetrachloroethane	83	10.266	10.266	(0.935)	99547	20.0000	19
	91 Bromobenzene	156	10.234	10.234	(0.932)	84014	20.0000	19
	95 n-Propylbenzene	91	10.293	10.293	(0.937)	406543	20.0000	19
	94 trans-1,4-Dichloro-2-butene	53	10.320	10.320	(0.940)	28990	20.0000	20
	93 1,2,3-Trichloropropane	110	10.309	10.309	(0.939)	24565	20.0000	18
	96 2-Chlorotoluene	91	10.384	10.384	(0.945)	281692	20.0000	19
	188 4-Ethyltoluene	105	10.384	10.384	(0.945)	304524	20.0000	18(M)
	97 1,3,5-Trimethylbenzene	105	10.437	10.437	(0.950)	275884	20.0000	19
	99 Butyl Methacrylate	87	10.512	10.512	(0.957)	120913	20.0000	19
	98 4-Chlorotoluene	91	10.475	10.475	(0.954)	252969	20.0000	19
	100 tert-Butylbenzene	119	10.673	10.673	(0.972)	202426	20.0000	19
	101 1,2,4-Trimethylbenzene	105	10.721	10.721	(0.976)	285346	20.0000	19
	102 2-Octanone	43	10.807	10.807	(0.984)	144939	20.0000	20
	103 sec-Butylbenzene	105	10.828	10.828	(0.986)	319466	20.0000	19
	107 p-Isopropyltoluene	119	10.930	10.930	(0.995)	267851	20.0000	19
	105 1,3-Dichlorobenzene	146	10.935	10.935	(0.996)	155122	20.0000	19
*	108 1,4-Dichlorobenzene-d4	152	10.983	10.983	(1.000)	258335	50.0000	
	109 1,4-Dichlorobenzene	146	10.999	10.999	(1.001)	161913	20.0000	19
	110 Benzyl Chloride	91	11.095	11.095	(1.010)	215360	20.0000	19
	187 1,4-Diethylbenzene	119	11.176	11.176	(2.066)	160748	20.0000	18
	171 Indan	117	11.144	11.144	(2.060)	299983	20.0000	18
	106 n-Butylbenzene	91	11.192	11.192	(1.019)	308579	20.0000	19

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08900.d
Report Date: 11-Feb-2013 17:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	111 1,2-Dichlorobenzene	146	11.245	11.245	(1.024)	159675	20.0000	19
	112 1,2-Dibromo-3-chloropropane	75	11.721	11.721	(1.067)	18155	20.0000	17
	186 1,2,4,5-Tetramethylbenzene	119	11.646	11.646	(2.153)	268625	20.0000	18
	114 1,2,4-Trichlorobenzene	180	12.203	12.203	(1.111)	107116	20.0000	19
	115 Hexachlorobutadiene	225	12.267	12.267	(1.117)	33525	20.0000	18
	116 Naphthalene	128	12.374	12.374	(1.127)	309192	20.0000	18
	117 1,2,3-Trichlorobenzene	180	12.535	12.535	(1.141)	101661	20.0000	19
M	120 1,2-Dichloroethene (Total)	100				161080	40.0000	37
M	121 Xylene (Total)	100				398664	60.0000	57

QC Flag Legend

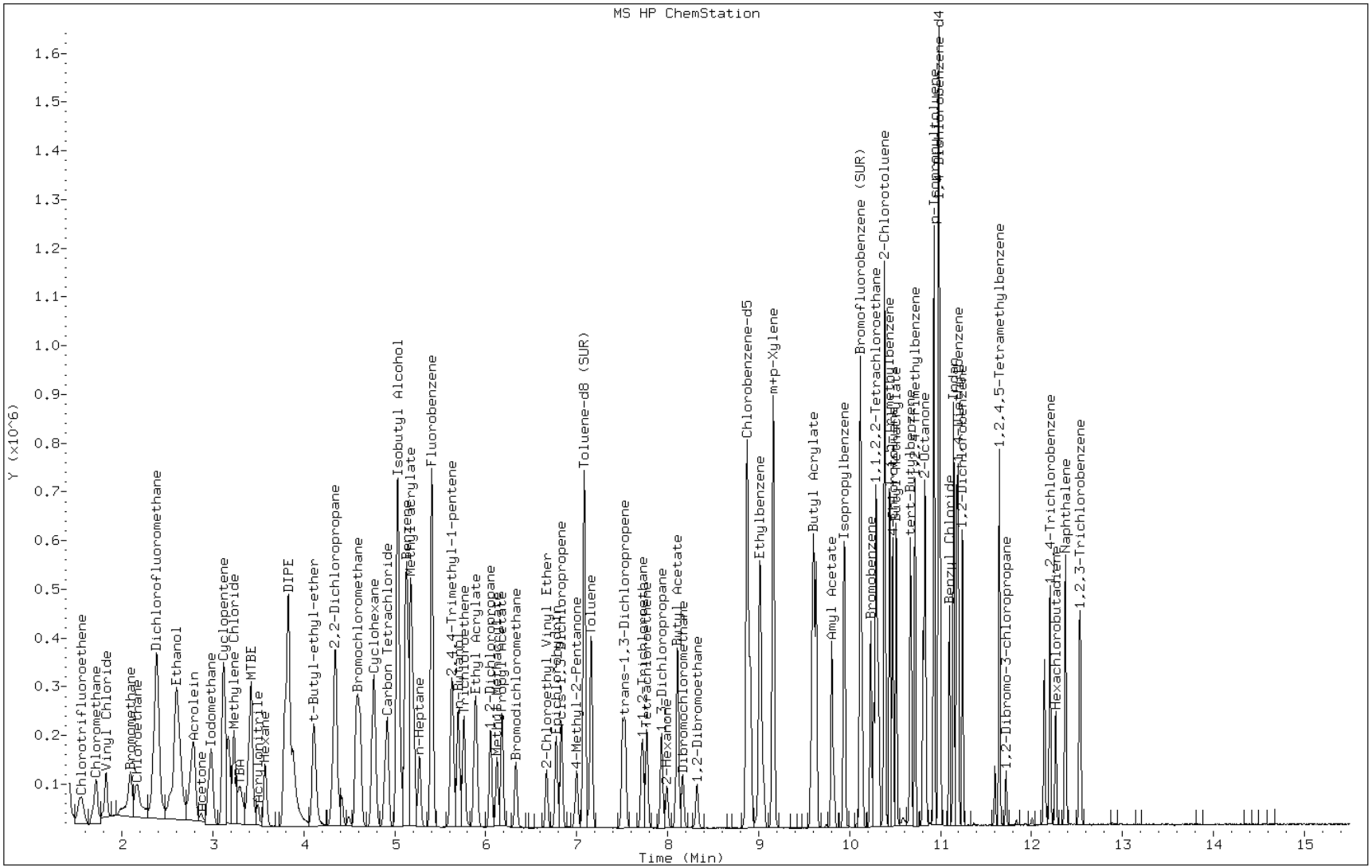
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: k08900.d

Date: 25-JAN-2013 20:23

Client ID: Instrument: VOAMS9.i

Sample Info: ICIS-VMCAL3 Operator:



Manual Integration Report

Data File: k08900.d
Inj. Date and Time: 25-JAN-2013 20:23
Instrument ID: VOAMS9.i
Client ID:
Compound: 188 4-Ethyltoluene
CAS #: 622-96-8
Report Date: 02/11/2013

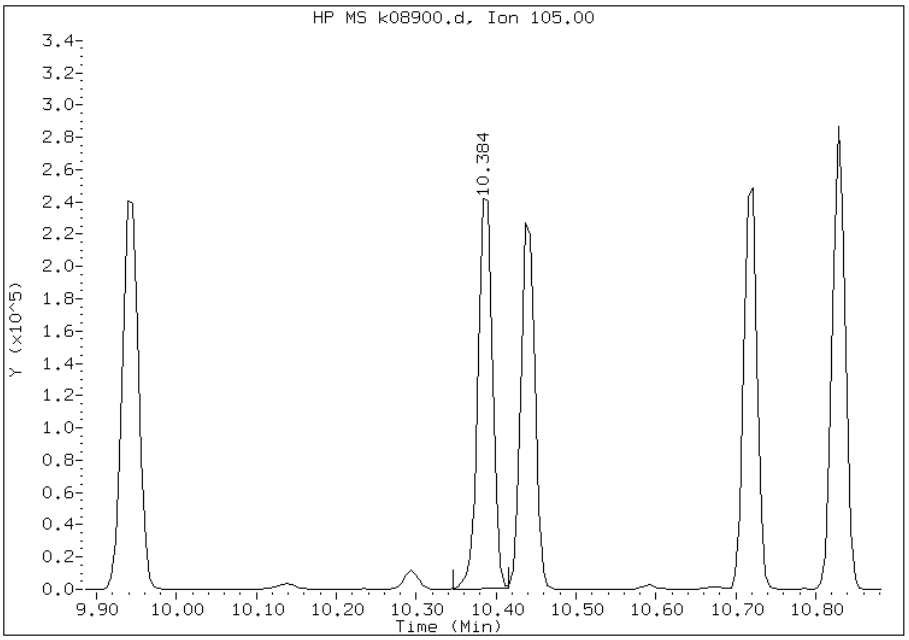
Processing Integration Results

RT: 10.38

Response: 304654

Amount: 20

Conc: 20



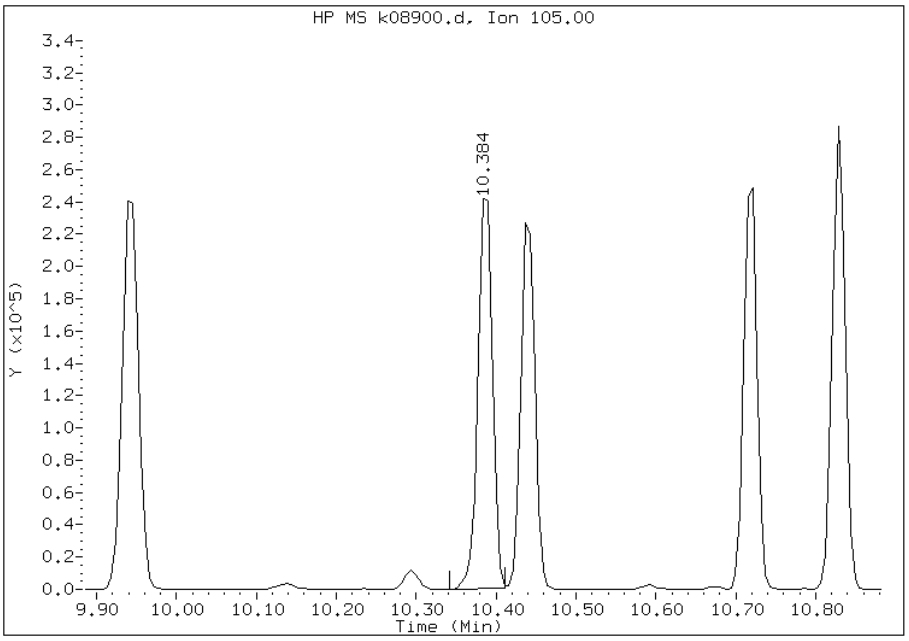
Manual Integration Results

RT: 10.38

Response: 304524

Amount: 18

Conc: 18



Manually Integrated By: maryb
Manual Integration Reason: Analyte not Identified by the Data System

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08901.d
Report Date: 11-Feb-2013 17:48

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08901.d
Lab Smp Id: IC-VMCAL4
Inj Date : 25-JAN-2013 20:46
Operator : Inst ID: VOAMS9.i
Smp Info : IC-VMCAL4
Misc Info :
Comment :
Method : /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/8260_09.m
Meth Date : 11-Feb-2013 17:48 maryb Quant Type: ISTD
Cal Date : 25-JAN-2013 20:46 Cal File: k08901.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
167	Chlorotrifluoroethene	66	1.525	1.530	(0.282)	49464	50.0000	51
2	Dichlorodifluoromethane	85	1.557	1.562	(0.288)	266973	50.0000	50
3	Chloromethane	50	1.712	1.717	(0.317)	337182	50.0000	48
4	Vinyl Chloride	62	1.819	1.824	(0.336)	312839	50.0000	49
6	Bromomethane	94	2.092	2.097	(0.387)	174309	50.0000	48
5	Chloroethane	64	2.156	2.161	(0.399)	166234	50.0000	49
183	Dichlorofluoromethane	67	2.349	2.354	(0.434)	471746	50.0000	49
7	Trichlorofluoromethane	101	2.375	2.381	(0.439)	339538	50.0000	50
8	n-Pentane	72	2.381	2.386	(0.440)	63383	100.000	100
9	Ethanol	46	2.525	2.531	(0.467)	107589	4000.00	4100
11	Ethyl Ether	59	2.568	2.579	(0.475)	178481	50.0000	49
10	Isoprene	67	2.600	2.605	(0.481)	553580	50.0000	48
168	1,2-Dichlorotrifluoroethane	67	2.600	2.605	(0.481)	546230	50.0000	48
13	Acrolein	56	2.745	2.750	(0.507)	69525	100.000	100
14	Freon TF	101	2.755	2.771	(0.509)	174892	50.0000	49
15	1,1-Dichloroethene	96	2.787	2.793	(0.515)	157405	50.0000	48

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08901.d
Report Date: 11-Feb-2013 17:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	16 Acetone	43	2.868	2.873	(0.530)	68477	50.0000	47
	17 Iodomethane	142	2.943	2.948	(0.544)	342119	50.0000	49
	18 Carbon Disulfide	76	2.975	2.980	(0.550)	732566	50.0000	49
	170 Cyclopentene	67	3.124	3.130	(0.578)	563948	50.0000	49
	27 Methyl Acetate	43	3.114	3.114	(0.576)	239718	50.0000	47
	22 Methylene Chloride	84	3.231	3.237	(0.597)	222817	50.0000	48
	24 TBA	59	3.290	3.301	(0.608)	545859	1000.00	940
	28 MTBE	73	3.397	3.403	(0.628)	673587	50.0000	49
	25 trans-1,2-Dichloroethene	96	3.419	3.419	(0.632)	194642	50.0000	47
	26 Acrylonitrile	53	3.488	3.494	(0.645)	88558	50.0000	49
	29 Hexane	43	3.574	3.579	(0.661)	152906	50.0000	50
	32 DIPE	45	3.788	3.793	(0.700)	863411	50.0000	50
	30 1,1-Dichloroethane	63	3.820	3.825	(0.706)	401993	50.0000	49
	31 Vinyl Acetate	43	3.831	3.831	(0.708)	1332906	100.000	100
	35 t-Butyl-ethyl-ether	59	4.103	4.109	(0.759)	766221	50.0000	49
	37 2,2-Dichloropropane	77	4.323	4.328	(0.799)	329354	50.0000	49
	36 cis-1,2-Dichloroethene	96	4.344	4.344	(0.803)	226882	50.0000	48
	39 Ethyl Acetate	70	4.360	4.355	(0.806)	45855	100.000	92
	38 2-Butanone	72	4.355	4.360	(0.805)	26760	50.0000	51
	182 Methyl acrylate	55	5.179	5.179	(0.957)	147150	50.0000	(a)
	40 Bromochloromethane	128	4.569	4.574	(0.845)	104059	50.0000	47
	41 Tetrahydrofuran	42	4.569	4.569	(0.845)	81186	50.0000	49
	174 Methacrylonitrile	67	4.596	4.596	(0.850)	184924	100.000	97
	42 Chloroform	83	4.622	4.622	(0.855)	372009	50.0000	48
	44 Cyclohexane	56	4.761	4.761	(0.880)	362406	50.0000	51
	43 1,1,1-Trichloroethane	97	4.772	4.772	(0.882)	313786	50.0000	48
	45 Carbon Tetrachloride	117	4.890	4.895	(0.904)	242453	50.0000	49
	46 1,1-Dichloropropene	75	4.917	4.922	(0.909)	250974	50.0000	49
	48 Benzene	78	5.120	5.120	(0.577)	844686	50.0000	48
$	47 1,2-Dichloroethane-d4 (SUR)	65	5.131	5.136	(0.949)	191599	50.0000	49
	61 Isopropyl Acetate	43	5.168	5.173	(0.955)	1217349	100.000	92
	50 t-Amyl-methyl-ether	73	5.184	5.184	(0.958)	678323	50.0000	49
	49 1,2-Dichloroethane	62	5.205	5.211	(0.962)	295172	50.0000	48
	51 n-Heptane	57	5.270	5.270	(0.974)	102541	50.0000	47
*	52 Fluorobenzene	96	5.409	5.409	(1.000)	717660	50.0000	
	166 2,4,4-Trimethyl-1-pentene	112	5.628	5.633	(1.041)	93332	100.000	88
	54 Trichloroethene	95	5.762	5.756	(1.065)	200859	50.0000	48
	55 Ethyl Acrylate	73	5.874	5.874	(1.086)	19609	50.0000	47
	56 Methyl cyclohexane	83	5.890	5.896	(1.089)	284082	50.0000	51
	57 1,2-Dichloropropane	63	6.051	6.056	(1.119)	225606	50.0000	48
	59 Methyl Methacrylate	100	6.126	6.120	(1.133)	53564	50.0000	48
	75 Propyl Acetate	43	6.179	6.179	(1.142)	352391	50.0000	49
	60 1,4-Dioxane	88	6.158	6.163	(1.138)	9202	200.000	180
	58 Dibromomethane	93	6.179	6.184	(1.142)	132262	50.0000	47
	68 Bromodichloromethane	83	6.329	6.329	(1.170)	265586	50.0000	48
	62 2-Chloroethyl Vinyl Ether	63	6.666	6.666	(1.232)	148841	50.0000	47
	63 Epichlorohydrin	57	6.773	6.778	(0.764)	479153	1000.00	970

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08901.d
Report Date: 11-Feb-2013 17:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	67 cis-1,3-Dichloropropene	75	6.832	6.832	(0.770)	353539	50.0000	48
	70 4-Methyl-2-Pentanone	43	6.992	6.998	(0.788)	258883	50.0000	50
$	65 Toluene-d8 (SUR)	98	7.078	7.083	(0.798)	526249	50.0000	49
	66 Toluene	91	7.158	7.158	(0.807)	833552	50.0000	48
	64 trans-1,3-Dichloropropene	75	7.506	7.506	(0.846)	314179	50.0000	48
	175 Ethyl methacrylate	69	7.533	7.533	(1.393)	288705	50.0000	48
	69 1,1,2-Trichloroethane	83	7.720	7.720	(0.870)	160798	50.0000	47
	71 Tetrachloroethene	166	7.768	7.768	(0.876)	175654	50.0000	49
	72 1,3-Dichloropropane	76	7.934	7.934	(0.894)	310301	50.0000	48
	73 2-Hexanone	43	7.993	7.993	(0.901)	171120	50.0000	50
	76 Butyl Acetate	73	8.105	8.110	(0.914)	102938	100.000	93
	74 Dibromochloromethane	129	8.164	8.164	(0.920)	175057	50.0000	47
	77 1,2-Dibromoethane	107	8.324	8.324	(0.938)	184467	50.0000	48
*	78 Chlorobenzene-d5	117	8.870	8.870	(1.000)	496158	50.0000	
	79 Chlorobenzene	112	8.907	8.907	(1.004)	520028	50.0000	48
	81 Ethylbenzene	106	9.009	9.009	(1.016)	277788	50.0000	49
	80 1,1,1,2-Tetrachloroethane	131	9.025	9.025	(1.017)	185877	50.0000	48
	82 m+p-Xylene	106	9.164	9.164	(1.033)	690719	100.000	98
	83 Butyl Acrylate	73	9.587	9.587	(1.081)	181807	50.0000	49
	84 o-Xylene	106	9.603	9.603	(1.083)	361482	50.0000	48
	85 Styrene	104	9.630	9.630	(1.086)	608264	50.0000	49
	87 Amyl Acetate	43	9.806	9.806	(0.893)	487595	50.0000	49
	86 Bromoform	173	9.828	9.828	(1.108)	109199	50.0000	47
	88 Isopropylbenzene	105	9.940	9.940	(1.121)	900430	50.0000	50
$	89 Bromofluorobenzene (SUR)	174	10.117	10.116	(0.921)	190680	50.0000	49
	92 1,1,2,2-Tetrachloroethane	83	10.266	10.266	(0.935)	262497	50.0000	48
	91 Bromobenzene	156	10.234	10.234	(0.932)	218635	50.0000	49
	95 n-Propylbenzene	91	10.293	10.293	(0.937)	1079537	50.0000	51
	94 trans-1,4-Dichloro-2-butene	53	10.325	10.320	(0.940)	71556	50.0000	48
	93 1,2,3-Trichloropropane	110	10.309	10.309	(0.939)	64243	50.0000	48
	96 2-Chlorotoluene	91	10.384	10.384	(0.945)	747637	50.0000	50
	188 4-Ethyltoluene	105	10.389	10.384	(0.946)	824123	50.0000	49(M)
	97 1,3,5-Trimethylbenzene	105	10.437	10.437	(0.950)	737690	50.0000	51
	99 Butyl Methacrylate	87	10.512	10.512	(0.957)	318057	50.0000	50
	98 4-Chlorotoluene	91	10.475	10.475	(0.954)	665196	50.0000	49
	100 tert-Butylbenzene	119	10.673	10.673	(0.972)	560431	50.0000	51
	101 1,2,4-Trimethylbenzene	105	10.716	10.721	(0.976)	768856	50.0000	50
	102 2-Octanone	43	10.807	10.807	(0.984)	361161	50.0000	48
	103 sec-Butylbenzene	105	10.828	10.828	(0.986)	879343	50.0000	53
	107 p-Isopropyltoluene	119	10.930	10.930	(0.995)	732063	50.0000	52
	105 1,3-Dichlorobenzene	146	10.935	10.935	(0.996)	408327	50.0000	50
*	108 1,4-Dichlorobenzene-d4	152	10.983	10.983	(1.000)	261196	50.0000	
	109 1,4-Dichlorobenzene	146	10.999	10.999	(1.001)	420146	50.0000	49
	110 Benzyl Chloride	91	11.095	11.095	(1.010)	543296	50.0000	49
	187 1,4-Diethylbenzene	119	11.176	11.176	(2.066)	434968	50.0000	49
	171 Indan	117	11.144	11.144	(2.060)	791088	50.0000	48
	106 n-Butylbenzene	91	11.192	11.192	(1.019)	835649	50.0000	51

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08901.d
Report Date: 11-Feb-2013 17:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	111 1,2-Dichlorobenzene	146	11.245	11.245	(1.024)	419598	50.0000	49
	112 1,2-Dibromo-3-chloropropane	75	11.721	11.721	(1.067)	48806	50.0000	46
	186 1,2,4,5-Tetramethylbenzene	119	11.647	11.646	(2.153)	726274	50.0000	49
	114 1,2,4-Trichlorobenzene	180	12.203	12.203	(1.111)	287761	50.0000	50
	115 Hexachlorobutadiene	225	12.267	12.267	(1.117)	96275	50.0000	51
	116 Naphthalene	128	12.374	12.374	(1.127)	826671	50.0000	49
	117 1,2,3-Trichlorobenzene	180	12.535	12.535	(1.141)	272498	50.0000	50
M	120 1,2-Dichloroethene (Total)	100				421524	100.000	96
M	121 Xylene (Total)	100				1052201	150.000	150

QC Flag Legend

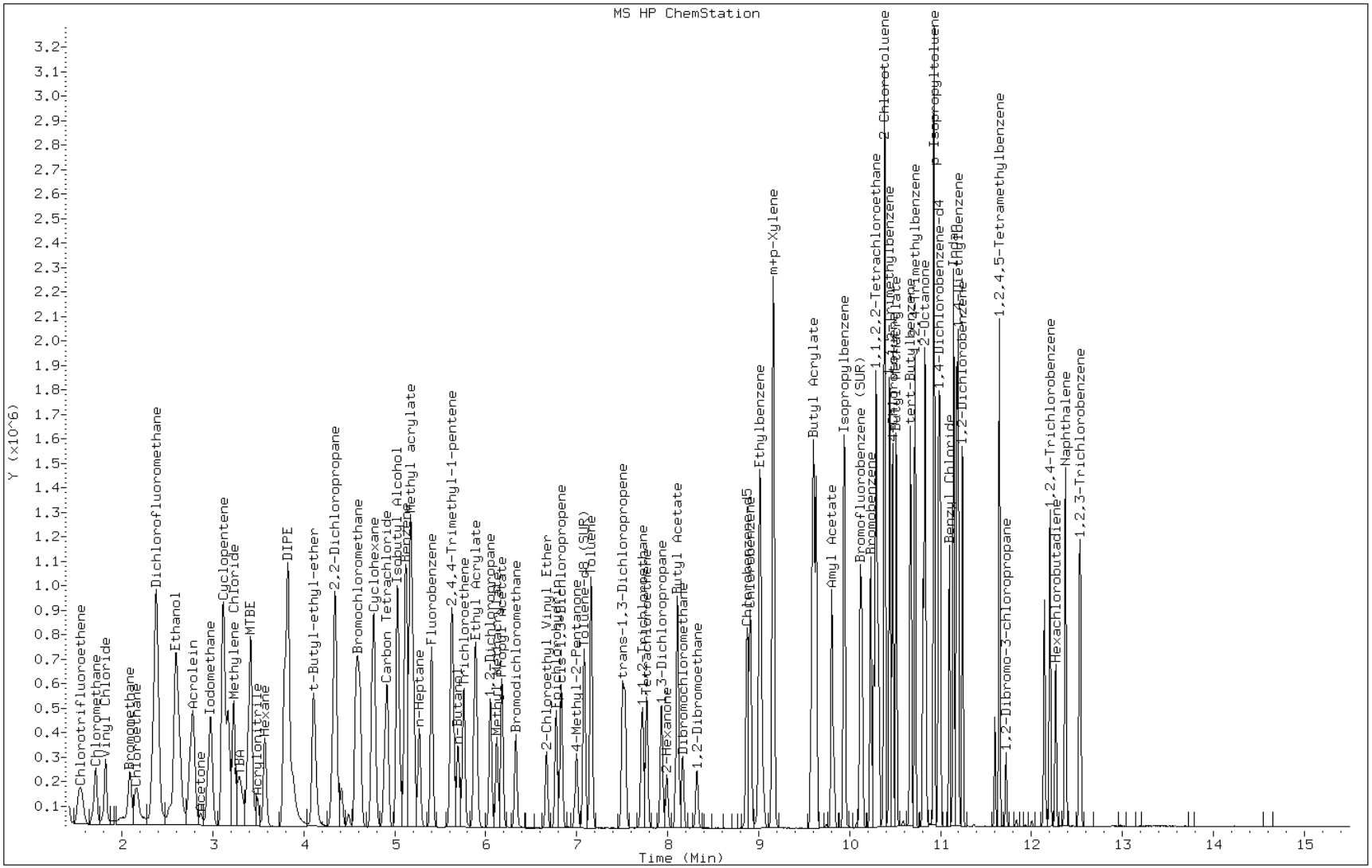
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: k08901.d

Date: 25-JAN-2013 20:46

Client ID: Instrument: VOAMS9.i

Sample Info: IC-VMCAL4 Operator:



Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08902.d
Report Date: 11-Feb-2013 17:48

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08902.d
Lab Smp Id: IC-VMCAL5
Inj Date : 25-JAN-2013 21:10
Operator : Inst ID: VOAMS9.i
Smp Info : IC-VMCAL5
Misc Info :
Comment :
Method : /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/8260_09.m
Meth Date : 11-Feb-2013 17:48 maryb Quant Type: ISTD
Cal Date : 25-JAN-2013 21:10 Cal File: k08902.d
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
167 Chlorotrifluoroethene	66	1.530	1.530	(0.283)	194819	200.000	190
2 Dichlorodifluoromethane	85	1.562	1.562	(0.289)	1101216	200.000	200
3 Chloromethane	50	1.723	1.717	(0.319)	1380869	200.000	190
4 Vinyl Chloride	62	1.824	1.824	(0.337)	1271355	200.000	190
6 Bromomethane	94	2.097	2.097	(0.388)	713395	200.000	190
5 Chloroethane	64	2.167	2.161	(0.401)	687994	200.000	190
183 Dichlorofluoromethane	67	2.354	2.354	(0.435)	2004304	200.000	200
7 Trichlorofluoromethane	101	2.381	2.381	(0.440)	1401784	200.000	200
8 n-Pentane	72	2.392	2.386	(0.442)	288155	400.000	440
9 Ethanol	46	2.573	2.531	(0.476)	143120	5000.00	5200
11 Ethyl Ether	59	2.573	2.579	(0.476)	740625	200.000	190
10 Isoprene	67	2.606	2.605	(0.482)	2339842	200.000	200
168 1,2-Dichlorotrifluoroethane	67	2.606	2.605	(0.482)	2326645	200.000	200
13 Acrolein	56	2.750	2.750	(0.508)	138638	200.000	200
14 Freon TF	101	2.766	2.771	(0.511)	791148	200.000	210
15 1,1-Dichloroethene	96	2.798	2.793	(0.517)	683797	200.000	200

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08902.d
Report Date: 11-Feb-2013 17:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	16 Acetone	43	2.873	2.873	(0.531)	297897	200.000	200
	17 Iodomethane	142	2.948	2.948	(0.545)	1444067	200.000	200
	18 Carbon Disulfide	76	2.980	2.980	(0.551)	3154523	200.000	200
	170 Cyclopentene	67	3.130	3.130	(0.579)	2496439	200.000	210
	27 Methyl Acetate	43	3.114	3.114	(0.576)	1006033	200.000	190
	22 Methylene Chloride	84	3.237	3.237	(0.598)	936684	200.000	190
	24 TBA	59	3.296	3.301	(0.609)	2184008	4000.00	3600
	28 MTBE	73	3.397	3.403	(0.628)	2789773	200.000	190
	25 trans-1,2-Dichloroethene	96	3.419	3.419	(0.632)	813895	200.000	190
	26 Acrylonitrile	53	3.494	3.494	(0.646)	180032	100.000	96
	29 Hexane	43	3.574	3.579	(0.661)	688936	200.000	210
	32 DIPE	45	3.793	3.793	(0.701)	3629798	200.000	200
	30 1,1-Dichloroethane	63	3.825	3.825	(0.707)	1690781	200.000	200
	31 Vinyl Acetate	43	3.831	3.831	(0.708)	5377721	400.000	390
	35 t-Butyl-ethyl-ether	59	4.109	4.109	(0.760)	3154025	200.000	190
	37 2,2-Dichloropropane	77	4.328	4.328	(0.800)	1371010	200.000	190
	36 cis-1,2-Dichloroethene	96	4.344	4.344	(0.803)	953068	200.000	190
	39 Ethyl Acetate	70	4.360	4.355	(0.806)	197164	400.000	380
	38 2-Butanone	72	4.360	4.360	(0.806)	109946	200.000	200
	182 Methyl acrylate	55	5.184	5.179	(0.958)	634752	200.000	(a)
	40 Bromochloromethane	128	4.574	4.574	(0.846)	436450	200.000	190
	41 Tetrahydrofuran	42	4.569	4.569	(0.845)	338014	200.000	190
	174 Methacrylonitrile	67	4.596	4.596	(0.850)	786241	400.000	400
	42 Chloroform	83	4.622	4.622	(0.855)	1563846	200.000	190
	44 Cyclohexane	56	4.761	4.761	(0.880)	1659294	200.000	220
	43 1,1,1-Trichloroethane	97	4.778	4.772	(0.883)	1348139	200.000	200
	45 Carbon Tetrachloride	117	4.895	4.895	(0.905)	1068137	200.000	200
	46 1,1-Dichloropropene	75	4.922	4.922	(0.910)	1078121	200.000	200
	48 Benzene	78	5.120	5.120	(0.577)	3592292	200.000	200
$	47 1,2-Dichloroethane-d4 (SUR)	65	5.136	5.136	(0.950)	200291	50.0000	49
	61 Isopropyl Acetate	43	5.173	5.173	(0.956)	5039309	400.000	360
	50 t-Amyl-methyl-ether	73	5.184	5.184	(0.958)	2886489	200.000	200
	49 1,2-Dichloroethane	62	5.211	5.211	(0.963)	1257101	200.000	200
	51 n-Heptane	57	5.270	5.270	(0.974)	458553	200.000	200
*	52 Fluorobenzene	96	5.409	5.409	(1.000)	751651	50.0000	
	166 2,4,4-Trimethyl-1-pentene	112	5.633	5.633	(1.042)	447985	400.000	400
	54 Trichloroethene	95	5.762	5.756	(1.065)	869416	200.000	200
	55 Ethyl Acrylate	73	5.880	5.874	(1.087)	83518	200.000	190
	56 Methyl cyclohexane	83	5.896	5.896	(1.090)	1319403	200.000	220
	57 1,2-Dichloropropane	63	6.051	6.056	(1.119)	964788	200.000	200
	59 Methyl Methacrylate	100	6.126	6.120	(1.133)	234327	200.000	200
	75 Propyl Acetate	43	6.179	6.179	(1.142)	1481248	200.000	200
	60 1,4-Dioxane	88	6.163	6.163	(1.139)	15318	250.000	280(A)
	58 Dibromomethane	93	6.184	6.184	(1.143)	569132	200.000	190
	68 Bromodichloromethane	83	6.329	6.329	(1.170)	1176438	200.000	200
	62 2-Chloroethyl Vinyl Ether	63	6.666	6.666	(1.232)	642955	200.000	200
	63 Epichlorohydrin	57	6.778	6.778	(0.764)	1993074	4000.00	3900

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08902.d
Report Date: 11-Feb-2013 17:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	67 cis-1,3-Dichloropropene	75	6.832	6.832	(0.770)	1537850	200.000	200
	70 4-Methyl-2-Pentanone	43	6.998	6.998	(0.789)	1099604	200.000	200
$	65 Toluene-d8 (SUR)	98	7.083	7.083	(0.799)	548599	50.0000	49
	66 Toluene	91	7.158	7.158	(0.807)	3590276	200.000	200
	64 trans-1,3-Dichloropropene	75	7.506	7.506	(0.846)	1366883	200.000	200
	175 Ethyl methacrylate	69	7.533	7.533	(1.393)	1255437	200.000	200
	69 1,1,2-Trichloroethane	83	7.720	7.720	(0.870)	687697	200.000	190
	71 Tetrachloroethene	166	7.773	7.768	(0.876)	759745	200.000	200
	72 1,3-Dichloropropane	76	7.934	7.934	(0.894)	1329838	200.000	200
	73 2-Hexanone	43	7.993	7.993	(0.901)	708378	200.000	200
	76 Butyl Acetate	73	8.110	8.110	(0.914)	440670	400.000	380
	74 Dibromochloromethane	129	8.164	8.164	(0.920)	803747	200.000	210
	77 1,2-Dibromoethane	107	8.324	8.324	(0.938)	793126	200.000	200
*	78 Chlorobenzene-d5	117	8.870	8.870	(1.000)	520536	50.0000	
	79 Chlorobenzene	112	8.907	8.907	(1.004)	2245550	200.000	200
	81 Ethylbenzene	106	9.014	9.009	(1.016)	1196387	200.000	200
	80 1,1,1,2-Tetrachloroethane	131	9.025	9.025	(1.017)	832504	200.000	200
	82 m+p-Xylene	106	9.164	9.164	(1.033)	2977917	400.000	400
	83 Butyl Acrylate	73	9.587	9.587	(1.081)	776612	200.000	200
	84 o-Xylene	106	9.603	9.603	(1.083)	1563653	200.000	200
	85 Styrene	104	9.635	9.630	(1.086)	2626936	200.000	200
	87 Amyl Acetate	43	9.806	9.806	(0.893)	2059739	200.000	200
	86 Bromoform	173	9.833	9.828	(1.109)	513685	200.000	210(A)
	88 Isopropylbenzene	105	9.945	9.940	(1.121)	3891018	200.000	210
$	89 Bromofluorobenzene (SUR)	174	10.122	10.116	(0.922)	200973	50.0000	50
	92 1,1,2,2-Tetrachloroethane	83	10.266	10.266	(0.935)	1096942	200.000	190
	91 Bromobenzene	156	10.234	10.234	(0.932)	942402	200.000	200
	95 n-Propylbenzene	91	10.293	10.293	(0.937)	4659192	200.000	210
	94 trans-1,4-Dichloro-2-butene	53	10.325	10.320	(0.940)	298007	200.000	190
	93 1,2,3-Trichloropropane	110	10.309	10.309	(0.939)	272804	200.000	190
	96 2-Chlorotoluene	91	10.384	10.384	(0.945)	3270388	200.000	200
	188 4-Ethyltoluene	105	10.389	10.384	(0.946)	3730182	200.000	210(M)
	97 1,3,5-Trimethylbenzene	105	10.443	10.437	(0.951)	3248453	200.000	210
	99 Butyl Methacrylate	87	10.512	10.512	(0.957)	1373324	200.000	200
	98 4-Chlorotoluene	91	10.475	10.475	(0.954)	2877853	200.000	200
	100 tert-Butylbenzene	119	10.673	10.673	(0.972)	2516753	200.000	220
	101 1,2,4-Trimethylbenzene	105	10.721	10.721	(0.976)	3337506	200.000	210
	102 2-Octanone	43	10.807	10.807	(0.984)	1554143	200.000	200
	103 sec-Butylbenzene	105	10.828	10.828	(0.986)	3862332	200.000	220
	107 p-Isopropyltoluene	119	10.930	10.930	(0.995)	3229870	200.000	220
	105 1,3-Dichlorobenzene	146	10.935	10.935	(0.996)	1745541	200.000	200
*	108 1,4-Dichlorobenzene-d4	152	10.983	10.983	(1.000)	275175	50.0000	
	109 1,4-Dichlorobenzene	146	10.999	10.999	(1.001)	1795369	200.000	200
	110 Benzyl Chloride	91	11.096	11.095	(1.010)	2331866	200.000	200
	187 1,4-Diethylbenzene	119	11.181	11.176	(2.067)	1920002	200.000	210
	171 Indan	117	11.144	11.144	(2.060)	3449574	200.000	200
	106 n-Butylbenzene	91	11.197	11.192	(1.019)	3643194	200.000	210

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08902.d
Report Date: 11-Feb-2013 17:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	111 1,2-Dichlorobenzene	146	11.245	11.245	(1.024)	1773799	200.000	200
	112 1,2-Dibromo-3-chloropropane	75	11.727	11.721	(1.068)	213665	200.000	190
	186 1,2,4,5-Tetramethylbenzene	119	11.652	11.646	(2.154)	3266796	200.000	210
	114 1,2,4-Trichlorobenzene	180	12.208	12.203	(1.112)	1229146	200.000	200
	115 Hexachlorobutadiene	225	12.272	12.267	(1.117)	427775	200.000	220
	116 Naphthalene	128	12.379	12.374	(1.127)	3486086	200.000	200
	117 1,2,3-Trichlorobenzene	180	12.540	12.535	(1.142)	1148507	200.000	200
M	120 1,2-Dichloroethene (Total)	100				1766963	400.000	380
M	121 Xylene (Total)	100				4541570	600.000	600

QC Flag Legend

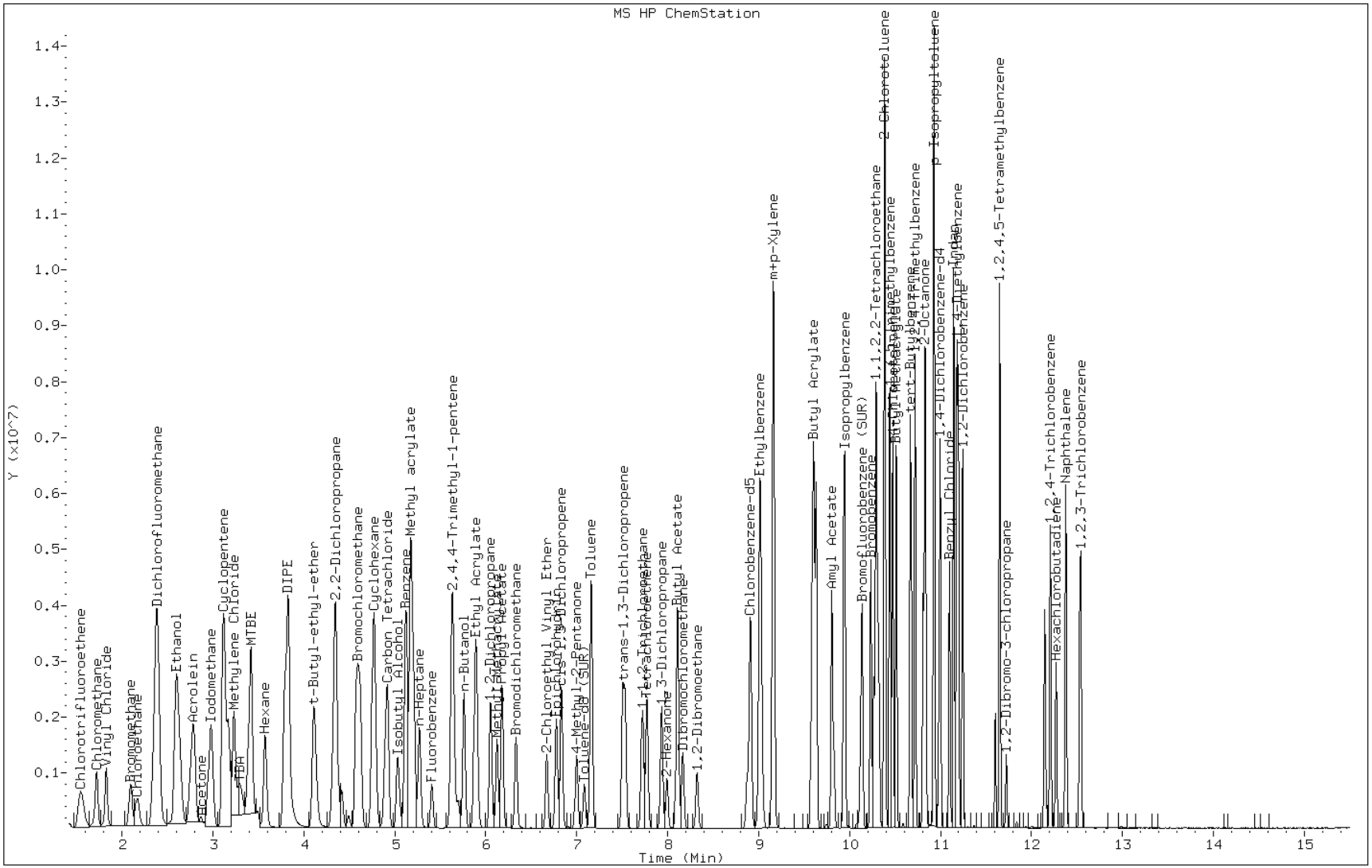
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M - Compound response manually integrated.

Data File: k08902.d

Date: 25-JAN-2013 21:10

Client ID: Instrument: VOAMS9.i

Sample Info: IC-VMCAL5 Operator:



Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08903.d
Report Date: 11-Feb-2013 17:48

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08903.d
Lab Smp Id: IC-VMCAL6
Inj Date : 25-JAN-2013 21:33
Operator : Inst ID: VOAMS9.i
Smp Info : IC-VMCAL6
Misc Info :
Comment :
Method : /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/8260_09.m
Meth Date : 11-Feb-2013 17:48 maryb Quant Type: ISTD
Cal Date : 25-JAN-2013 21:33 Cal File: k08903.d
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
167	Chlorotrifluoroethene	66	1.525	1.530	(0.282)	505590	500.000	500(A)
2	Dichlorodifluoromethane	85	1.552	1.562	(0.287)	2731036	500.000	490
3	Chloromethane	50	1.717	1.717	(0.318)	3479926	500.000	470
4	Vinyl Chloride	62	1.819	1.824	(0.336)	3202067	500.000	480
6	Bromomethane	94	2.092	2.097	(0.387)	1778480	500.000	470
5	Chloroethane	64	2.161	2.161	(0.400)	1704050	500.000	480
183	Dichlorofluoromethane	67	2.349	2.354	(0.434)	4985342	500.000	500(A)
7	Trichlorofluoromethane	101	2.375	2.381	(0.439)	3514804	500.000	490
8	n-Pentane	72	2.397	2.386	(0.443)	733447	1000.00	1100(A)
9	Ethanol	46	2.568	2.531	(0.475)	179843	6000.00	6600(A)
11	Ethyl Ether	59	2.568	2.579	(0.475)	1835139	500.000	480
10	Isoprene	67	2.605	2.605	(0.482)	5840959	500.000	490
168	1,2-Dichlorotrifluoroethane	67	2.605	2.605	(0.482)	5842371	500.000	500
13	Acrolein	56	2.745	2.750	(0.507)	282630	400.000	400(A)
14	Freon TF	101	2.761	2.771	(0.510)	1953937	500.000	530(A)
15	1,1-Dichloroethene	96	2.793	2.793	(0.516)	1675352	500.000	490

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08903.d
Report Date: 11-Feb-2013 17:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	16 Acetone	43	2.868	2.873	(0.530)	704767	500.000	460
	17 Iodomethane	142	2.942	2.948	(0.544)	3589044	500.000	490
	18 Carbon Disulfide	76	2.980	2.980	(0.551)	7961232	500.000	510(A)
	170 Cyclopentene	67	3.124	3.130	(0.578)	6245143	500.000	520(A)
	27 Methyl Acetate	43	3.108	3.114	(0.575)	2500841	500.000	470
	22 Methylene Chloride	84	3.231	3.237	(0.597)	2359041	500.000	490
	24 TBA	59	3.290	3.301	(0.608)	5610533	10000.0	9300(A)
	28 MTBE	73	3.392	3.403	(0.627)	6894169	500.000	480
	25 trans-1,2-Dichloroethene	96	3.419	3.419	(0.632)	2034801	500.000	470
	26 Acrylonitrile	53	3.488	3.494	(0.645)	380897	200.000	200(A)
	29 Hexane	43	3.568	3.579	(0.660)	1681666	500.000	520(A)
	32 DIPE	45	3.788	3.793	(0.700)	8901330	500.000	500
	30 1,1-Dichloroethane	63	3.820	3.825	(0.706)	4262612	500.000	500
	31 Vinyl Acetate	43	3.831	3.831	(0.708)	13622986	1000.00	1000
	35 t-Butyl-ethyl-ether	59	4.109	4.109	(0.760)	7781339	500.000	480
	37 2,2-Dichloropropane	77	4.328	4.328	(0.800)	3403523	500.000	490
	36 cis-1,2-Dichloroethene	96	4.339	4.344	(0.802)	2391103	500.000	490
	39 Ethyl Acetate	70	4.360	4.355	(0.806)	508730	1000.00	980
	38 2-Butanone	72	4.355	4.360	(0.805)	281946	500.000	510(A)
	182 Methyl acrylate	55	5.184	5.179	(0.958)	1584875	500.000	(a)
	40 Bromochloromethane	128	4.569	4.574	(0.845)	1101692	500.000	480
	41 Tetrahydrofuran	42	4.569	4.569	(0.845)	871902	500.000	500(A)
	174 Methacrylonitrile	67	4.596	4.596	(0.850)	2002025	1000.00	1000(A)
	42 Chloroform	83	4.622	4.622	(0.855)	3946732	500.000	490
	44 Cyclohexane	56	4.761	4.761	(0.880)	4186395	500.000	560(A)
	43 1,1,1-Trichloroethane	97	4.777	4.772	(0.883)	3459204	500.000	510(A)
	45 Carbon Tetrachloride	117	4.895	4.895	(0.905)	2817636	500.000	540(A)
	46 1,1-Dichloropropene	75	4.922	4.922	(0.910)	2745679	500.000	520(A)
	48 Benzene	78	5.120	5.120	(0.577)	9181297	500.000	500
$	47 1,2-Dichloroethane-d4 (SUR)	65	5.136	5.136	(0.950)	210560	50.0000	52
	61 Isopropyl Acetate	43	5.168	5.173	(0.955)	12754192	1000.00	930
	50 t-Amyl-methyl-ether	73	5.184	5.184	(0.958)	7318823	500.000	510(A)
	49 1,2-Dichloroethane	62	5.211	5.211	(0.963)	3224667	500.000	500(A)
	51 n-Heptane	57	5.270	5.270	(0.974)	1124549	500.000	500
*	52 Fluorobenzene	96	5.409	5.409	(1.000)	747947	50.0000	
	166 2,4,4-Trimethyl-1-pentene	112	5.633	5.633	(1.042)	1101458	1000.00	1000
	54 Trichloroethene	95	5.762	5.756	(1.065)	2242245	500.000	520(A)
	55 Ethyl Acrylate	73	5.880	5.874	(1.087)	217981	500.000	500(A)
	56 Methyl cyclohexane	83	5.896	5.896	(1.090)	3300170	500.000	570(A)
	57 1,2-Dichloropropane	63	6.051	6.056	(1.119)	2486481	500.000	510(A)
	59 Methyl Methacrylate	100	6.126	6.120	(1.133)	596694	500.000	510(A)
	75 Propyl Acetate	43	6.179	6.179	(1.142)	3843760	500.000	510(A)
	60 1,4-Dioxane	88	6.174	6.163	(1.141)	23296	300.000	430(A)
	58 Dibromomethane	93	6.184	6.184	(1.143)	1457854	500.000	500
	68 Bromodichloromethane	83	6.329	6.329	(1.170)	3102025	500.000	540(A)
	62 2-Chloroethyl Vinyl Ether	63	6.666	6.666	(1.232)	1657713	500.000	510(A)
	63 Epichlorohydrin	57	6.778	6.778	(0.764)	5173818	10000.0	9900

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08903.d
Report Date: 11-Feb-2013 17:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	67 cis-1,3-Dichloropropene	75	6.832	6.832	(0.770)	3995489	500.000	510(A)
	70 4-Methyl-2-Pentanone	43	6.998	6.998	(0.789)	2825812	500.000	520(A)
$	65 Toluene-d8 (SUR)	98	7.083	7.083	(0.799)	583353	50.0000	52
	66 Toluene	91	7.158	7.158	(0.807)	9294073	500.000	510(A)
	64 trans-1,3-Dichloropropene	75	7.506	7.506	(0.846)	3553840	500.000	510(A)
	175 Ethyl methacrylate	69	7.533	7.533	(1.393)	3228241	500.000	510(A)
	69 1,1,2-Trichloroethane	83	7.720	7.720	(0.870)	1785144	500.000	500
	71 Tetrachloroethene	166	7.773	7.768	(0.876)	1975942	500.000	520(A)
	72 1,3-Dichloropropane	76	7.934	7.934	(0.894)	3440406	500.000	500(A)
	73 2-Hexanone	43	7.993	7.993	(0.901)	1832096	500.000	500(A)
	76 Butyl Acetate	73	8.110	8.110	(0.914)	1139800	1000.00	970
	74 Dibromochloromethane	129	8.164	8.164	(0.920)	2179316	500.000	560(A)
	77 1,2-Dibromoethane	107	8.324	8.324	(0.938)	2046271	500.000	500(A)
*	78 Chlorobenzene-d5	117	8.870	8.870	(1.000)	524834	50.0000	
	79 Chlorobenzene	112	8.907	8.907	(1.004)	5834762	500.000	510(A)
	81 Ethylbenzene	106	9.014	9.009	(1.016)	3128888	500.000	520(A)
	80 1,1,1,2-Tetrachloroethane	131	9.030	9.025	(1.018)	2191268	500.000	530(A)
	82 m+p-Xylene	106	9.170	9.164	(1.034)	7682154	1000.00	1000(A)
	83 Butyl Acrylate	73	9.587	9.587	(1.081)	2025586	500.000	510(A)
	84 o-Xylene	106	9.608	9.603	(1.083)	4068415	500.000	520(A)
	85 Styrene	104	9.635	9.630	(1.086)	6885231	500.000	520(A)
	87 Amyl Acetate	43	9.806	9.806	(0.893)	5387800	500.000	500
	86 Bromoform	173	9.833	9.828	(1.109)	1435928	500.000	580(A)
	88 Isopropylbenzene	105	9.945	9.940	(1.121)	9905389	500.000	520(A)
$	89 Bromofluorobenzene (SUR)	174	10.122	10.116	(0.922)	214801	50.0000	51
	92 1,1,2,2-Tetrachloroethane	83	10.266	10.266	(0.935)	2927855	500.000	490
	91 Bromobenzene	156	10.234	10.234	(0.932)	2491428	500.000	510(A)
	95 n-Propylbenzene	91	10.293	10.293	(0.937)	11421602	500.000	490
	94 trans-1,4-Dichloro-2-butene	53	10.325	10.320	(0.940)	794918	500.000	490
	93 1,2,3-Trichloropropane	110	10.309	10.309	(0.939)	718992	500.000	490
	96 2-Chlorotoluene	91	10.384	10.384	(0.945)	8500946	500.000	510(A)
	188 4-Ethyltoluene	105	10.389	10.384	(0.946)	9348431	500.000	500(AM)
	97 1,3,5-Trimethylbenzene	105	10.443	10.437	(0.951)	8432384	500.000	530(A)
	99 Butyl Methacrylate	87	10.518	10.512	(0.958)	3607490	500.000	520(A)
	98 4-Chlorotoluene	91	10.475	10.475	(0.954)	7613792	500.000	520(A)
	100 tert-Butylbenzene	119	10.673	10.673	(0.972)	6640845	500.000	550(A)
	101 1,2,4-Trimethylbenzene	105	10.721	10.721	(0.976)	8583452	500.000	510(A)
	102 2-Octanone	43	10.807	10.807	(0.984)	4731295	500.000	580(A)
	103 sec-Butylbenzene	105	10.828	10.828	(0.986)	9706557	500.000	530(A)
	107 p-Isopropyltoluene	119	10.930	10.930	(0.995)	8181828	500.000	530(A)
	105 1,3-Dichlorobenzene	146	10.935	10.935	(0.996)	4562296	500.000	510(A)
*	108 1,4-Dichlorobenzene-d4	152	10.983	10.983	(1.000)	285993	50.0000	
	109 1,4-Dichlorobenzene	146	10.999	10.999	(1.001)	4730834	500.000	500(A)
	110 Benzyl Chloride	91	11.095	11.095	(1.010)	6138061	500.000	500(A)
	187 1,4-Diethylbenzene	119	11.181	11.176	(2.067)	4973095	500.000	540(A)
	171 Indan	117	11.144	11.144	(2.060)	8650396	500.000	500(A)
	106 n-Butylbenzene	91	11.197	11.192	(1.019)	9363820	500.000	520(A)

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08903.d
Report Date: 11-Feb-2013 17:48

		QUANT SIG					AMOUNTS	
							CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
	==========	====	==	======	======	========	=======	=======
	111 1,2-Dichlorobenzene	146	11.245	11.245	(1.024)	4715935	500.000	510(A)
	112 1,2-Dibromo-3-chloropropane	75	11.721	11.721	(1.067)	601544	500.000	520(A)
	186 1,2,4,5-Tetramethylbenzene	119	11.652	11.646	(2.154)	8173119	500.000	530(A)
	114 1,2,4-Trichlorobenzene	180	12.203	12.203	(1.111)	3151672	500.000	500(A)
	115 Hexachlorobutadiene	225	12.267	12.267	(1.117)	1125472	500.000	550(A)
	116 Naphthalene	128	12.374	12.374	(1.127)	9050010	500.000	490
	117 1,2,3-Trichlorobenzene	180	12.535	12.535	(1.141)	2933767	500.000	490
M	120 1,2-Dichloroethene (Total)	100				4425904	1000.00	960
M	121 Xylene (Total)	100				11750569	1500.00	1500

QC Flag Legend

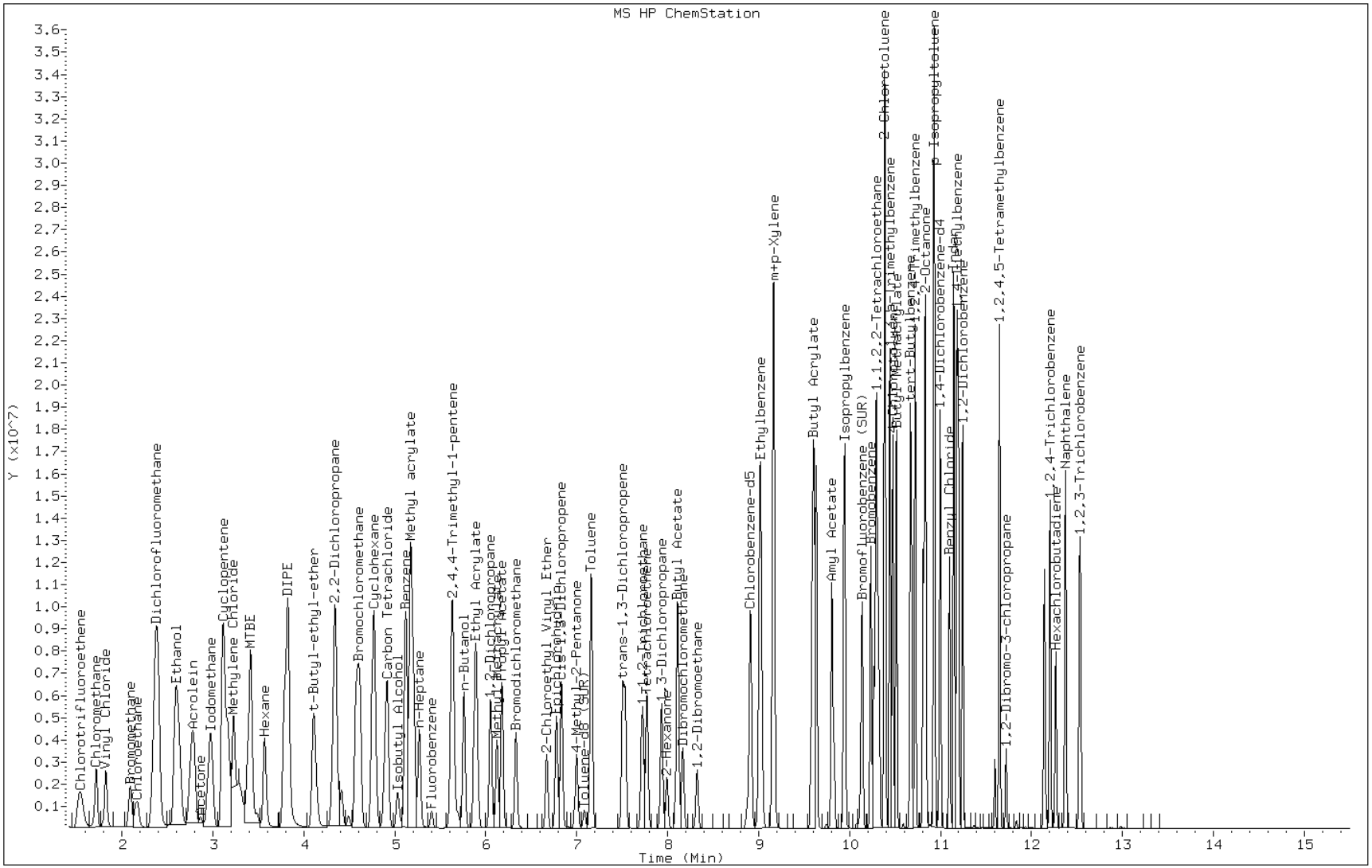
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M - Compound response manually integrated.

Data File: k08903.d

Date: 25-JAN-2013 21:33

Client ID: Instrument: VOAMS9.i

Sample Info: IC-VMCAL6 Operator:



Manual Integration Report

Data File: k08903.d
Inj. Date and Time: 25-JAN-2013 21:33
Instrument ID: VOAMS9.i
Client ID:
Compound: 188 4-Ethyltoluene
CAS #: 622-96-8
Report Date: 02/11/2013

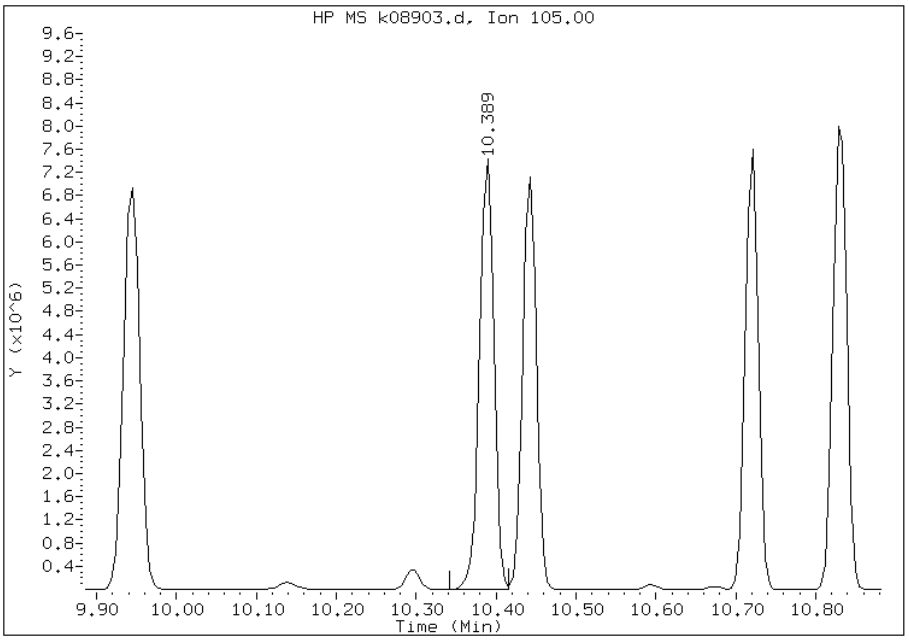
Processing Integration Results

RT: 10.39

Response: 9333520

Amount: 500

Conc: 500



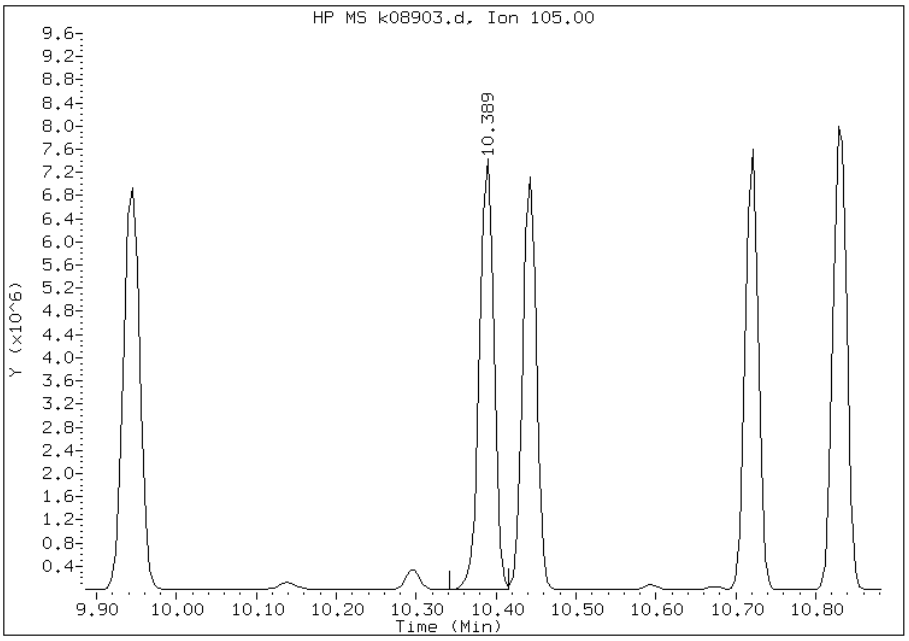
Manual Integration Results

RT: 10.39

Response: 9348431

Amount: 503

Conc: 503



Manually Integrated By: maryb
Manual Integration Reason: Analyte not Identified by the Data System

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab Sample ID: CCVIS 460-146197/2 Calibration Date: 02/06/2013 07:58

Instrument ID: VOAMS9 Calib Start Date: 01/25/2013 19:36

GC Column: DB-624 ID: 0.53(mm) Calib End Date: 01/25/2013 21:33

Lab File ID: k09230.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3726	0.2883		15.5	20.0	-22.6	50.0
Chloromethane	Ave	0.4913	0.4242	0.1000	17.3	20.0	-13.7	50.0
Vinyl chloride	Ave	0.4425	0.3933		17.8	20.0	-11.1	20.0
Bromomethane	Ave	0.2544	0.1965		15.4	20.0	-22.7	50.0
Chloroethane	Ave	0.2360	0.1880		16.0	20.0	-20.4	50.0
Dichlorofluoromethane	LinF	0.7008	0.6813		20.4	20.0	2.2	50.0
Trichlorofluoromethane	Ave	0.4774	0.4140		17.4	20.0	-13.3	50.0
n-Pentane	Ave	0.0438	0.0420		37.9	40.0	-4.2	50.0
Ethanol	Ave	0.0018	0.0014		2240	3000	-24.4	50.0
Ethyl ether	Ave	0.2548	0.2443		19.4	20.0	-4.1	50.0
Isopropene	Ave	0.7941	0.6236		15.7	20.0	-21.5	50.0
Acrolein	LinF	0.0564	0.0602		51.1	40.0	27.8	99.0
Freon TF	Ave	0.2468	0.2549		20.7	20.0	3.3	50.0
1,1-Dichloroethene	Ave	0.2278	0.1991		17.3	20.0	-12.6	20.0
Acetone	Ave	0.1011	0.0889		17.6	20.0	-12.1	50.0
Iodomethane	Ave	0.4870	0.5924		24.3	20.0	21.6	50.0
Carbon disulfide	Ave	1.049	1.138		21.7	20.0	8.5	50.0
Methyl acetate	Ave	0.3565	0.3103		17.2	20.0	-12.9	50.0
Cyclopentene	Ave	0.8054	0.7855		19.4	20.0	-2.5	50.0
Methylene Chloride	Ave	0.3231	0.2952		18.3	20.0	-8.7	50.0
TBA	Ave	0.0403	0.0376		373	400	-6.7	50.0
MTBE	Ave	0.9541	0.9801		20.5	20.0	2.7	50.0
trans-1,2-Dichloroethene	Ave	0.2864	0.2603		18.2	20.0	-9.1	50.0
Acrylonitrile	Ave	0.1249	0.1109		17.9	20.0	-11.2	50.0
Hexane	Ave	0.2149	0.1772		16.5	20.0	-17.6	50.0
DIPE	Ave	1.201	1.097		18.3	20.0	-8.6	50.0
1,1-Dichloroethane	Ave	0.5741	0.4947	0.1000	17.2	20.0	-13.8	50.0
Vinyl acetate	Ave	0.9124	0.9223		40.5	40.0	1.1	50.0
Tert-butyl ethyl ether	Ave	1.094	1.089	0.0100	19.9	20.0	-0.5	50.0
2,2-Dichloropropane	Ave	0.4677	0.4188		17.8	20.0	-10.5	50.0
cis-1,2-Dichloroethene	Ave	0.3255	0.3100		19.3	20.0	-4.8	50.0
2-Butanone	Ave	0.0366	0.0389		21.3	20.0	6.3	50.0
Ethyl acetate	Ave	0.0346	0.0347		40.1	40.0	0.3	50.0
Bromochloromethane	Ave	0.1530	0.1460		19.1	20.0	-4.6	50.0
Tetrahydrofuran	LinF	0.1256	0.1120		19.3	20.0	-3.4	50.0
Methacrylonitrile	Ave	0.1322	0.1298		39.3	40.0	-1.8	50.0
Chloroform	Ave	0.5361	0.4849		18.1	20.0	-9.5	20.0
Cyclohexane	Ave	0.4952	0.4641		18.7	20.0	-6.3	50.0
1,1,1-Trichloroethane	Ave	0.4499	0.3917		17.4	20.0	-12.9	50.0
Carbon tetrachloride	Ave	0.3471	0.2853		16.4	20.0	-17.8	50.0
1,1-Dichloropropene	Ave	0.3533	0.2934		16.6	20.0	-17.0	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab Sample ID: CCVIS 460-146197/2 Calibration Date: 02/06/2013 07:58

Instrument ID: VOAMS9 Calib Start Date: 01/25/2013 19:36

GC Column: DB-624 ID: 0.53(mm) Calib End Date: 01/25/2013 21:33

Lab File ID: k09230.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	1.763	1.532		17.4	20.0	-13.1	50.0
Isopropyl acetate	Ave	0.9187	0.7974		34.7	40.0	-13.2	50.0
Tert-amyl methyl ether	Ave	0.9647	0.9662		20.0	20.0	0.2	50.0
1,2-Dichloroethane	Ave	0.4271	0.3715		17.4	20.0	-13.0	50.0
n-Heptane	LinF	0.1324	0.1402		18.6	20.0	-6.9	50.0
2,4,4-Trimethyl-1-pentene	LinF	0.0611	0.0652		35.4	40.0	-11.5	50.0
Trichloroethene	Ave	0.2892	0.2603		18.0	20.0	-10.0	50.0
Ethyl acrylate	LinF	0.0312	0.0299		20.6	20.0	3.2	50.0
Methylcyclohexane	Ave	0.3886	0.3898		20.1	20.0	0.3	50.0
1,2-Dichloropropane	Ave	0.3279	0.2754		16.8	20.0	-16.0	20.0
Methyl methacrylate	Ave	0.0782	0.0818		20.9	20.0	4.6	50.0
1,4-Dioxane	Ave	0.0036	0.0036		149	150	-0.4	50.0
Propyl acetate	Ave	0.5015	0.4476		17.8	20.0	-10.8	50.0
Dibromomethane	Ave	0.1951	0.1766		18.1	20.0	-9.5	50.0
Bromodichloromethane	Ave	0.3861	0.3466		17.9	20.0	-10.2	50.0
2-Chloroethyl vinyl ether	Ave	0.2188	0.2030		18.6	20.0	-7.2	50.0
Epichlorohydrin	Ave	0.0496	0.0453		365	400	-8.7	50.0
cis-1,3-Dichloropropene	Ave	0.7452	0.6310		16.9	20.0	-15.3	50.0
4-Methyl-2-pentanone	Ave	0.5218	0.4588		17.5	20.0	-12.1	50.0
Toluene	Ave	1.729	1.586		18.3	20.0	-8.3	20.0
trans-1,3-Dichloropropene	Ave	0.6632	0.5584		16.8	20.0	-15.8	50.0
Ethyl methacrylate	Ave	0.4234	0.4187		20.0	20.0	-1.1	50.0
1,1,2-Trichloroethane	Ave	0.3435	0.2934		17.1	20.0	-14.6	50.0
Tetrachloroethene	Ave	0.3604	0.3151		17.5	20.0	-12.6	50.0
1,3-Dichloropropane	Ave	0.6549	0.5658		17.3	20.0	-13.6	50.0
2-Hexanone	Ave	0.3458	0.2999		17.3	20.0	-13.3	50.0
Butyl acetate	Ave	0.1116	0.1072		38.4	40.0	-4.0	50.0
Dibromochloromethane	Ave	0.3737	0.3458		18.5	20.0	-7.5	50.0
1,2-Dibromoethane	Ave	0.3879	0.3542		18.3	20.0	-8.7	50.0
Chlorobenzene	Ave	1.082	0.9763	0.3000	18.0	20.0	-9.8	50.0
Ethylbenzene	Ave	0.5744	0.5039		17.6	20.0	-12.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3911	0.3489		17.8	20.0	-10.8	50.0
m&p-Xylene	Ave	0.7104	0.6324		35.6	40.0	-11.0	50.0
Butyl acrylate	Ave	0.3760	0.3709		19.7	20.0	-1.4	50.0
o-Xylene	Ave	0.7496	0.6673		17.8	20.0	-11.0	50.0
Styrene	Ave	1.255	1.136		18.1	20.0	-9.5	50.0
Amly acetate	Ave	1.894	1.619		17.1	20.0	-14.5	50.0
Bromoform	Ave	0.2355	0.2276	0.1000	19.3	20.0	-3.4	50.0
Isopropylbenzene	Ave	1.797	1.490		16.6	20.0	-17.1	50.0
Monobromobenzene	Ave	0.8539	0.8076		18.9	20.0	-5.4	50.0
1,1,2,2-Tetrachloroethane	Ave	1.036	0.8978	0.3000	17.5	20.0	-13.3	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab Sample ID: CCVIS 460-146197/2 Calibration Date: 02/06/2013 07:58

Instrument ID: VOAMS9 Calib Start Date: 01/25/2013 19:36

GC Column: DB-624 ID: 0.53(mm) Calib End Date: 01/25/2013 21:33

Lab File ID: k09230.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	4.052	3.330		16.4	20.0	-17.8	50.0
1,2,3-Trichloropropane	Ave	0.2566	0.2264		17.6	20.0	-11.8	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2843	0.2448		17.2	20.0	-13.9	50.0
2-Chlorotoluene	Ave	2.890	2.520		17.4	20.0	-12.8	50.0
1,3,5-Trimethylbenzene	Ave	2.789	2.347		16.8	20.0	-15.8	50.0
4-Chlorotoluene	Ave	2.584	2.208		17.1	20.0	-14.5	50.0
Butyl Methacrylate	Ave	1.220	1.233		20.2	20.0	1.1	50.0
tert-Butylbenzene	Ave	2.092	1.656		15.8	20.0	-20.9	50.0
1,2,4-Trimethylbenzene	Ave	2.935	2.521		17.2	20.0	-14.1	50.0
2-Octanone	Ave	1.436	1.536		21.4	20.0	6.9	50.0
sec-Butylbenzene	Ave	3.197	2.466		15.4	20.0	-22.9	50.0
p-Isopropyltoluene	Ave	2.708	2.196		16.2	20.0	-18.9	50.0
1,3-Dichlorobenzene	Ave	1.565	1.438		18.4	20.0	-8.2	50.0
1,4-Dichlorobenzene	Ave	1.638	1.484		18.1	20.0	-9.4	50.0
Benzyl chloride	Ave	2.138	2.137		20.0	20.0	-0.0	50.0
Indan	Ave	1.149	1.247		21.7	20.0	8.6	50.0
1,4-Diethylbenzene	Ave	0.6148	0.6771		22.0	20.0	10.1	50.0
n-Butylbenzene	Ave	3.122	2.611		16.7	20.0	-16.3	50.0
1,2-Dichlorobenzene	Ave	1.626	1.489		18.3	20.0	-8.4	50.0
1,2,4,5-Tetramethylbenzene	Ave	1.029	1.118		21.7	20.0	8.6	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.2040	0.1619		15.9	20.0	-20.6	50.0
1,2,4-Trichlorobenzene	Ave	1.093	1.022		18.7	20.0	-6.4	50.0
Hexachlorobutadiene	Ave	0.3604	0.3033		16.8	20.0	-15.8	50.0
Naphthalene	Ave	3.223	2.978		18.5	20.0	-7.6	50.0
1,2,3-Trichlorobenzene	Ave	1.047	0.9904		18.9	20.0	-5.4	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2704	0.1929		35.7	50.0	-28.6	50.0
Toluene-d8 (Surr)	Ave	1.076	0.8483		39.4	50.0	-21.1	50.0
Bromofluorobenzene	Ave	0.7375	0.7428		50.4	50.0	0.7	50.0

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09230.d
Report Date: 06-Feb-2013 08:47

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09230.d
Lab Smp Id: CCVIS
Inj Date : 06-FEB-2013 07:58
Operator : Inst ID: VOAMS9.i
Smp Info : CCVIS
Misc Info :
Comment :
Method : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/8260_09.m
Meth Date : 06-Feb-2013 08:24 desais Quant Type: ISTD
Cal Date : 25-JAN-2013 21:33 Cal File: k08903.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
167 Chlorotrifluoroethene	66	1.525	1.525	(0.282)	16674	20.0000	14
2 Dichlorodifluoromethane	85	1.562	1.562	(0.289)	102476	20.0000	15
3 Chloromethane	50	1.723	1.723	(0.319)	150752	20.0000	17
4 Vinyl Chloride	62	1.825	1.825	(0.337)	139786	20.0000	18
6 Bromomethane	94	2.103	2.103	(0.389)	69845	20.0000	15
5 Chloroethane	64	2.167	2.167	(0.401)	66804	20.0000	16
183 Dichlorofluoromethane	67	2.360	2.360	(0.436)	242142	20.0000	20
7 Trichlorofluoromethane	101	2.381	2.381	(0.440)	147136	20.0000	17
8 n-Pentane	72	2.392	2.392	(0.442)	29824	40.0000	38
9 Ethanol	46	2.536	2.536	(0.469)	73979	3000.00	2200
11 Ethyl Ether	59	2.573	2.573	(0.476)	86809	20.0000	19
10 Isoprene	67	2.600	2.600	(0.481)	221613	20.0000	16
168 1,2-Dichlorotrifluoroethane	67	2.600	2.600	(0.481)	226403	20.0000	16
13 Acrolein	56	2.750	2.750	(0.508)	42807	40.0000	51
14 Freon TF	101	2.766	2.766	(0.511)	90599	20.0000	21
15 1,1-Dichloroethene	96	2.793	2.793	(0.516)	70742	20.0000	17

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09230.d
Report Date: 06-Feb-2013 08:47

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	16 Acetone	43	2.868	2.868	(0.530)	31580	20.0000	18
	17 Iodomethane	142	2.943	2.943	(0.544)	210534	20.0000	24
	18 Carbon Disulfide	76	2.980	2.980	(0.551)	404339	20.0000	22
	170 Cyclopentene	67	3.130	3.130	(0.579)	279152	20.0000	19
	27 Methyl Acetate	43	3.114	3.114	(0.576)	110297	20.0000	17
	22 Methylene Chloride	84	3.232	3.232	(0.597)	104905	20.0000	18
	24 TBA	59	3.296	3.296	(0.609)	267310	400.000	370
	28 MTBE	73	3.397	3.397	(0.628)	348329	20.0000	20
	25 trans-1,2-Dichloroethene	96	3.419	3.419	(0.632)	92521	20.0000	18
	26 Acrylonitrile	53	3.494	3.494	(0.646)	39428	20.0000	18
	29 Hexane	43	3.574	3.574	(0.661)	62966	20.0000	16
	32 DIPE	45	3.788	3.788	(0.700)	389931	20.0000	18
	30 1,1-Dichloroethane	63	3.820	3.820	(0.706)	175827	20.0000	17
	31 Vinyl Acetate	43	3.831	3.831	(0.708)	655550	40.0000	40
	35 t-Butyl-ethyl-ether	59	4.109	4.109	(0.760)	386962	20.0000	20
	37 2,2-Dichloropropane	77	4.334	4.334	(0.801)	148826	20.0000	18
	36 cis-1,2-Dichloroethene	96	4.339	4.339	(0.802)	110185	20.0000	19
	39 Ethyl Acetate	70	4.355	4.355	(0.805)	24665	40.0000	40
	38 2-Butanone	72	4.355	4.355	(0.805)	13836	20.0000	21
	40 Bromochloromethane	128	4.569	4.569	(0.845)	51887	20.0000	19
	41 Tetrahydrofuran	42	4.569	4.569	(0.845)	39819	20.0000	19
	174 Methacrylonitrile	67	4.596	4.596	(0.850)	92291	40.0000	39
	42 Chloroform	83	4.622	4.622	(0.855)	172351	20.0000	18
	44 Cyclohexane	56	4.762	4.762	(0.880)	164931	20.0000	19
	43 1,1,1-Trichloroethane	97	4.778	4.778	(0.883)	139195	20.0000	17
	45 Carbon Tetrachloride	117	4.895	4.895	(0.905)	101411	20.0000	16
	46 1,1-Dichloropropene	75	4.922	4.922	(0.910)	104286	20.0000	17
	48 Benzene	78	5.120	5.120	(0.577)	386723	20.0000	17
$	47 1,2-Dichloroethane-d4 (SUR)	65	5.131	5.131	(0.949)	171451	50.0000	36
	61 Isopropyl Acetate	43	5.168	5.168	(0.955)	566825	40.0000	35
	50 t-Amyl-methyl-ether	73	5.184	5.184	(0.958)	343374	20.0000	20
	49 1,2-Dichloroethane	62	5.211	5.211	(0.963)	132022	20.0000	17
	51 n-Heptane	57	5.270	5.270	(0.974)	49829	20.0000	19
*	52 Fluorobenzene	96	5.409	5.409	(1.000)	888513	50.0000	
	166 2,4,4-Trimethyl-1-pentene	112	5.628	5.628	(1.041)	46343	40.0000	35
	54 Trichloroethene	95	5.762	5.762	(1.065)	92498	20.0000	18
	55 Ethyl Acrylate	73	5.874	5.874	(1.086)	10618	20.0000	21
	56 Methyl cyclohexane	83	5.896	5.896	(1.090)	138545	20.0000	20
	57 1,2-Dichloropropane	63	6.051	6.051	(1.119)	97869	20.0000	17
	59 Methyl Methacrylate	100	6.126	6.126	(1.133)	29069	20.0000	21
	75 Propyl Acetate	43	6.174	6.174	(1.141)	159062	20.0000	18
	60 1,4-Dioxane	88	6.163	6.163	(1.139)	9512	150.000	150
	58 Dibromomethane	93	6.179	6.179	(1.142)	62751	20.0000	18
	68 Bromodichloromethane	83	6.329	6.329	(1.170)	123189	20.0000	18
	62 2-Chloroethyl Vinyl Ether	63	6.666	6.666	(1.232)	72148	20.0000	18
	63 Epichlorohydrin	57	6.773	6.773	(0.764)	228418	400.000	360
	67 cis-1,3-Dichloropropene	75	6.832	6.832	(0.770)	159246	20.0000	17

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09230.d
Report Date: 06-Feb-2013 08:47

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	70 4-Methyl-2-Pentanone	43	6.998	6.998	(0.789)	115784	20.0000	18
$	65 Toluene-d8 (SUR)	98	7.083	7.083	(0.799)	535263	50.0000	39
	66 Toluene	91	7.158	7.158	(0.807)	400125	20.0000	18
	64 trans-1,3-Dichloropropene	75	7.506	7.506	(0.846)	140928	20.0000	17
	175 Ethyl methacrylate	69	7.533	7.533	(1.393)	148816	20.0000	20
	69 1,1,2-Trichloroethane	83	7.720	7.720	(0.870)	74045	20.0000	17
	71 Tetrachloroethene	166	7.768	7.768	(0.876)	79521	20.0000	17
	72 1,3-Dichloropropane	76	7.934	7.934	(0.894)	142774	20.0000	17
	73 2-Hexanone	43	7.993	7.993	(0.901)	75690	20.0000	17
	76 Butyl Acetate	73	8.105	8.105	(0.914)	54088	40.0000	38
	74 Dibromochloromethane	129	8.164	8.164	(0.920)	87262	20.0000	18
	77 1,2-Dibromoethane	107	8.324	8.324	(0.938)	89374	20.0000	18
*	78 Chlorobenzene-d5	117	8.870	8.870	(1.000)	630902	50.0000	
	79 Chlorobenzene	112	8.908	8.908	(1.004)	246377	20.0000	18
	81 Ethylbenzene	106	9.009	9.009	(1.016)	127154	20.0000	18
	80 1,1,1,2-Tetrachloroethane	131	9.031	9.031	(1.018)	88058	20.0000	18
	82 m+p-Xylene	106	9.164	9.164	(1.033)	319171	40.0000	36
	83 Butyl Acrylate	73	9.587	9.587	(1.081)	93597	20.0000	20
	84 o-Xylene	106	9.603	9.603	(1.083)	168394	20.0000	18
	85 Styrene	104	9.630	9.630	(1.086)	286650	20.0000	18
	87 Amyl Acetate	43	9.806	9.806	(0.893)	221260	20.0000	17
	86 Bromoform	173	9.828	9.828	(1.108)	57428	20.0000	19
	88 Isopropylbenzene	105	9.940	9.940	(1.121)	376062	20.0000	16
$	89 Bromofluorobenzene (SUR)	174	10.117	10.117	(0.921)	253729	50.0000	50
	92 1,1,2,2-Tetrachloroethane	83	10.266	10.266	(0.935)	122660	20.0000	18
	91 Bromobenzene	156	10.234	10.234	(0.932)	110344	20.0000	19
	95 n-Propylbenzene	91	10.293	10.293	(0.937)	454937	20.0000	16
	94 trans-1,4-Dichloro-2-butene	53	10.325	10.325	(0.940)	33447	20.0000	17
	93 1,2,3-Trichloropropane	110	10.309	10.309	(0.939)	30931	20.0000	18
	96 2-Chlorotoluene	91	10.384	10.384	(0.945)	344360	20.0000	17
	97 1,3,5-Trimethylbenzene	105	10.443	10.443	(0.951)	320697	20.0000	17
	99 Butyl Methacrylate	87	10.512	10.512	(0.957)	168529	20.0000	20
	98 4-Chlorotoluene	91	10.475	10.475	(0.954)	301745	20.0000	17
	100 tert-Butylbenzene	119	10.673	10.673	(0.972)	226216	20.0000	16
	101 1,2,4-Trimethylbenzene	105	10.716	10.716	(0.976)	344414	20.0000	17
	102 2-Octanone	43	10.807	10.807	(0.984)	209836	20.0000	21
	103 sec-Butylbenzene	105	10.828	10.828	(0.986)	336929	20.0000	15
	107 p-Isopropyltoluene	119	10.930	10.930	(0.995)	300094	20.0000	16
	105 1,3-Dichlorobenzene	146	10.935	10.935	(0.996)	196421	20.0000	18
*	108 1,4-Dichlorobenzene-d4	152	10.983	10.983	(1.000)	341578	50.0000	
	109 1,4-Dichlorobenzene	146	10.999	10.999	(1.001)	202786	20.0000	18
	110 Benzyl Chloride	91	11.096	11.096	(1.010)	292041	20.0000	20
	187 1,4-Diethylbenzene	119	11.176	11.176	(2.066)	240648	20.0000	22
	171 Indan	117	11.144	11.144	(2.060)	443296	20.0000	22
	106 n-Butylbenzene	91	11.192	11.192	(1.019)	356769	20.0000	17
	111 1,2-Dichlorobenzene	146	11.240	11.240	(1.023)	203485	20.0000	18
	112 1,2-Dibromo-3-chloropropane	75	11.721	11.721	(1.067)	22117	20.0000	16

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09230.d
Report Date: 06-Feb-2013 08:47

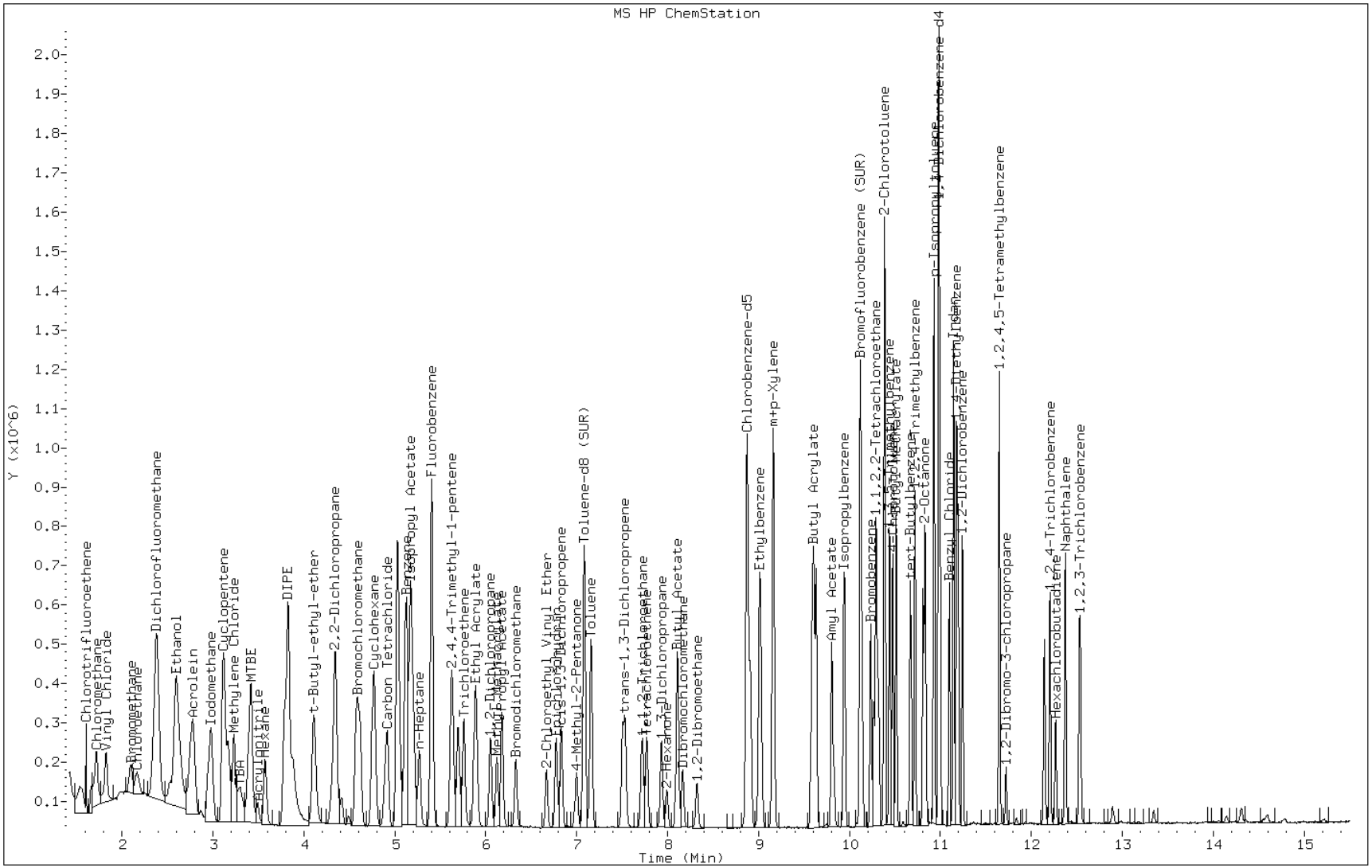
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	186 1,2,4,5-Tetramethylbenzene	119	11.647	11.647	(2.153)	397384	20.0000	22
	114 1,2,4-Trichlorobenzene	180	12.203	12.203	(1.111)	139688	20.0000	19
	115 Hexachlorobutadiene	225	12.267	12.267	(1.117)	41437	20.0000	17
	116 Naphthalene	128	12.374	12.374	(1.127)	406874	20.0000	18
	117 1,2,3-Trichlorobenzene	180	12.535	12.535	(1.141)	135315	20.0000	19
M	120 1,2-Dichloroethene (Total)	100				202707	40.0000	37
M	121 Xylene (Total)	100				487565	60.0000	53

Data File: k09230.d

Date: 06-FEB-2013 07:58

Client ID: Instrument: VOAMS9.i

Sample Info: CCVIS Operator:



Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08896.d
Report Date: 25-Jan-2013 19:04

TestAmerica

Data file : /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08896.d
Lab Smp Id: BFB
Inj Date : 25-JAN-2013 18:49
Operator : VOAMS 1 Inst ID: VOAMS9.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/VOABFB.m
Meth Date : 24-Feb-2012 20:28 ken Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 BFB					CAS #: 460-00-4		
3.967	4.000 (0.000)	95	68373			0.00- 100.00	100.00
3.967	4.000 (0.000)	50	14168			15.00- 40.00	20.72
3.967	4.000 (0.000)	75	32786			30.00- 60.00	47.95
3.967	4.000 (0.000)	96	4322			5.00- 9.00	6.32
3.967	4.000 (0.000)	173	0			0.00- 2.00	0.00
3.967	4.000 (0.000)	174	53328			50.00- 100.00	78.00
3.967	4.000 (0.000)	175	4034			5.00- 9.00	7.56
3.967	4.000 (0.000)	176	52272			95.00- 101.00	98.02
3.967	4.000 (0.000)	177	3319			5.00- 9.00	6.35

Data File: k08896.d

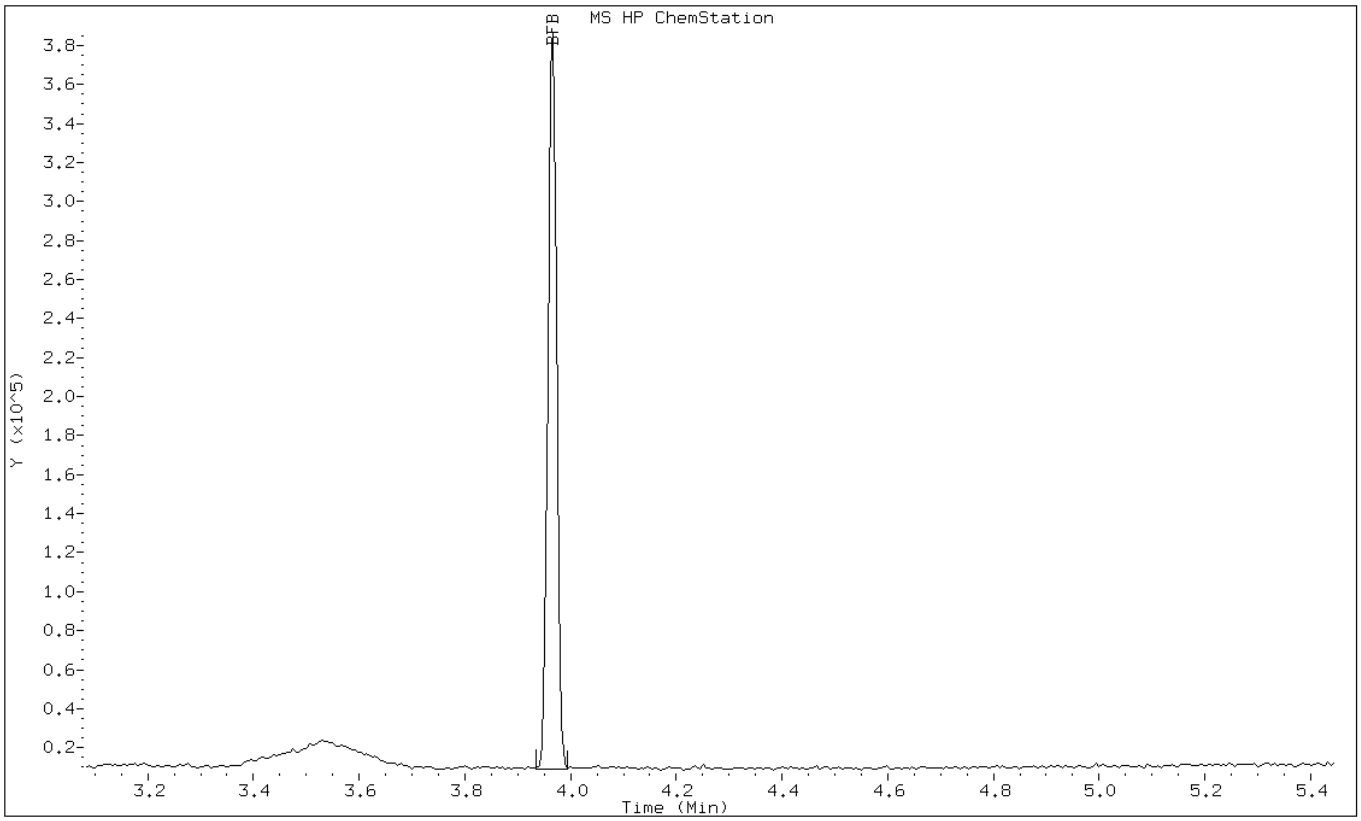
Date: 25-JAN-2013 18:49

Client ID:

Instrument: VOAMS9.i

Sample Info: BFB

Operator: VOAMS 1



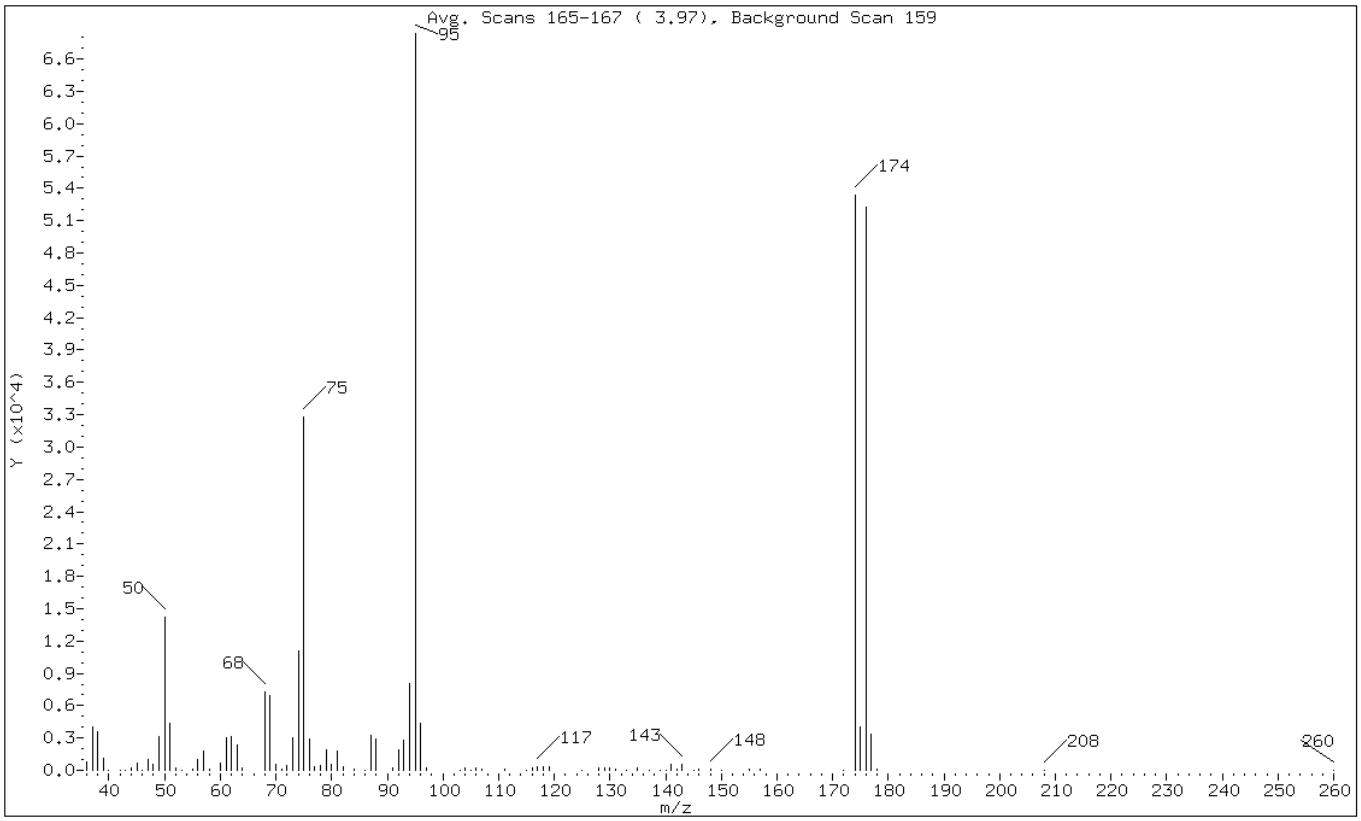
Data File: k08896.d

Date: 25-JAN-2013 18:49

Client ID: Instrument: VOAMS9.i

Sample Info: BFB Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.72
75	30.00 - 60.00% of mass 95	47.95
96	5.00 - 9.00% of mass 95	6.32
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	78.00
175	5.00 - 9.00% of mass 174	5.90 (7.56)
176	95.00 - 101.00% of mass 174	76.45 (98.02)
177	5.00 - 9.00% of mass 176	4.85 (6.35)

Data File: k08896.d

Date: 25-JAN-2013 18:49

Client ID: Instrument: VOAMS9.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b/k08896.d
Spectrum: Avg. Scans 165-167 (3.97), Background Scan 159
Location of Maximum: 95.00
Number of points: 90

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	835	62.00	3102	92.00	1862	135.00	169
37.00	4045	63.00	2308	93.00	2837	137.00	52
38.00	3538	64.00	253	94.00	8010	139.00	33
39.00	1170	68.00	7238	95.00	68368	140.00	40
40.00	14	69.00	6934	96.00	4322	141.00	520
42.00	53	70.00	512	97.00	173	142.00	78
43.00	11	71.00	72	103.00	54	143.00	570
44.00	203	72.00	422	104.00	175	145.00	34
45.00	710	73.00	3075	105.00	45	146.00	117
46.00	43	74.00	11081	106.00	249	148.00	154
47.00	1057	75.00	32784	107.00	75	150.00	34
48.00	512	76.00	2870	111.00	87	155.00	99
49.00	3163	77.00	383	115.00	51	157.00	89
50.00	14168	78.00	458	116.00	255	172.00	46
51.00	4342	79.00	1927	117.00	375	174.00	53328
52.00	245	80.00	539	118.00	283	175.00	4034
53.00	21	81.00	1834	119.00	330	176.00	52272
55.00	80	82.00	283	125.00	37	177.00	3319
56.00	971	84.00	130	128.00	260	178.00	74
57.00	1797	86.00	53	129.00	222	208.00	37
58.00	119	87.00	3274	130.00	237	260.00	37
60.00	719	88.00	2909	131.00	80		
61.00	2980	91.00	225	133.00	37		

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09228.d
Report Date: 06-Feb-2013 07:14

TestAmerica

Data file : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09228.d
Lab Smp Id: BFB
Inj Date : 06-FEB-2013 06:57
Operator : VOAMS 1 Inst ID: VOAMS9.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/VOABFB.m
Meth Date : 24-Feb-2012 20:28 ken Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

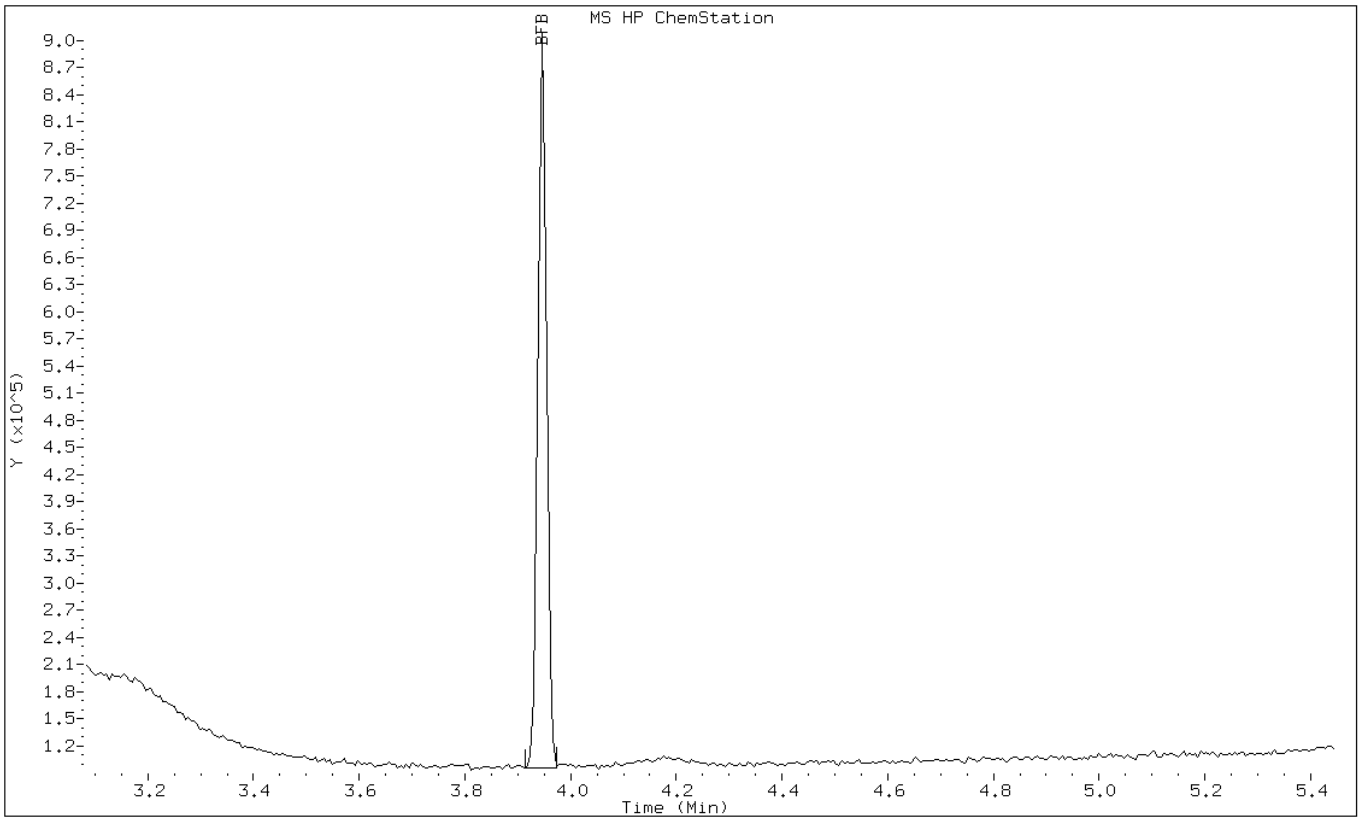
RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 BFB					CAS #: 460-00-4		
3.946	4.000 (0.000)	95	148670			0.00- 100.00	100.00
3.946	4.000 (0.000)	50	27695			15.00- 40.00	18.63
3.946	4.000 (0.000)	75	70256			30.00- 60.00	47.26
3.946	4.000 (0.000)	96	9599			5.00- 9.00	6.46
3.946	4.000 (0.000)	173	0			0.00- 2.00	0.00
3.946	4.000 (0.000)	174	116965			50.00- 100.00	78.67
3.946	4.000 (0.000)	175	9349			5.00- 9.00	7.99
3.946	4.000 (0.000)	176	113400			95.00- 101.00	96.95
3.946	4.000 (0.000)	177	7347			5.00- 9.00	6.48

Data File: k09228.d

Date: 06-FEB-2013 06:57

Client ID: Instrument: VOAMS9.i

Sample Info: BFB Operator: VOAMS 1



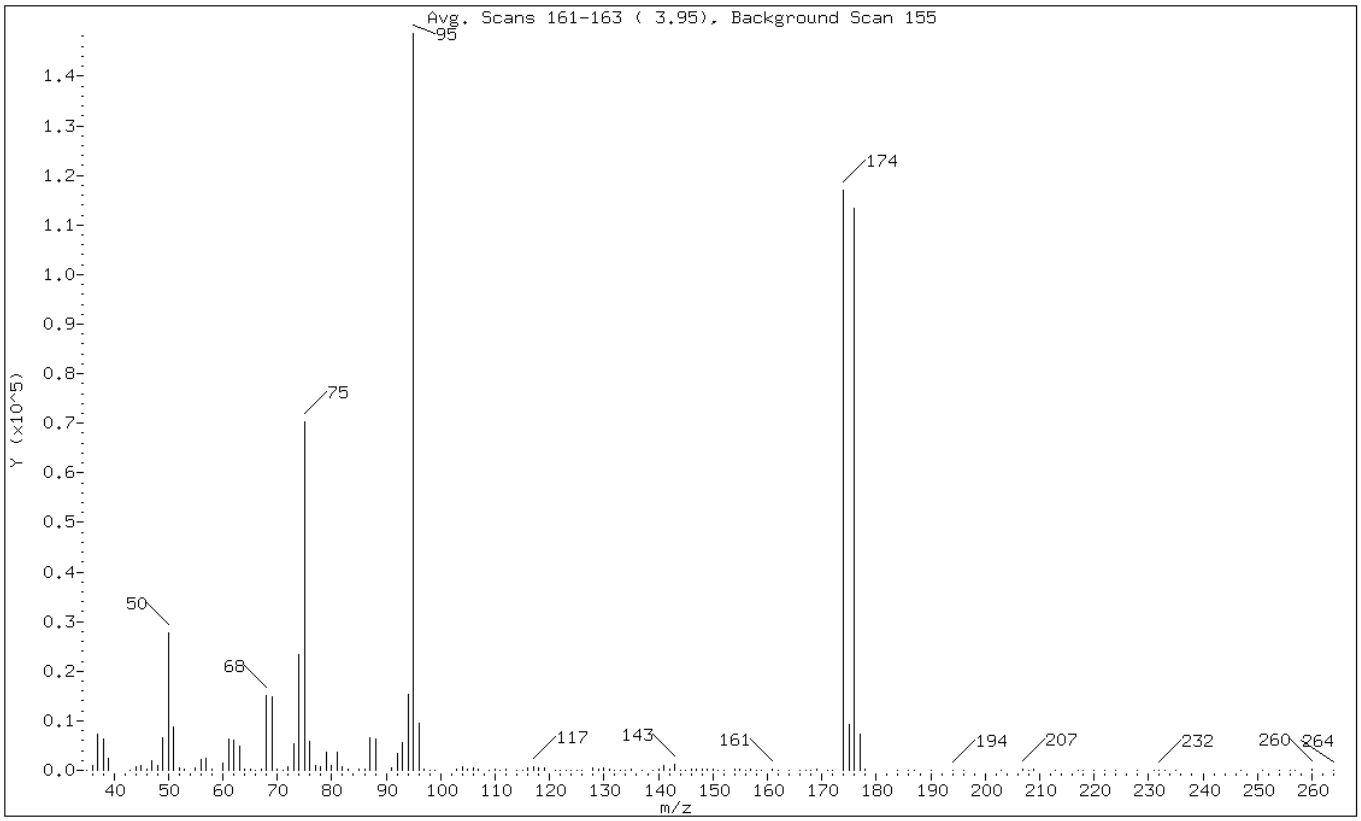
Data File: k09228.d

Date: 06-FEB-2013 06:57

Client ID: Instrument: VOAMS9.i

Sample Info: BFB Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.63
75	30.00 - 60.00% of mass 95	47.26
96	5.00 - 9.00% of mass 95	6.46
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	78.67
175	5.00 - 9.00% of mass 174	6.29 (7.99)
176	95.00 - 101.00% of mass 174	76.28 (96.95)
177	5.00 - 9.00% of mass 176	4.94 (6.48)

Data File: k09228.d

Date: 06-FEB-2013 06:57

Client ID: Instrument: VOAMS9.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09228.d
Spectrum: Avg. Scans 161-163 (3.95), Background Scan 155
Location of Maximum: 95.00
Number of points: 149

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	70	78.00	611	125.00	40	171.00	116
36.00	1086	79.00	3581	126.00	33	172.00	48
37.00	7374	80.00	933	128.00	374	174.00	116960
38.00	6333	81.00	3557	129.00	218	175.00	9349
39.00	2413	82.00	663	130.00	401	176.00	113400
43.00	102	83.00	335	131.00	144	177.00	7347
44.00	616	85.00	255	132.00	41	178.00	172
45.00	859	86.00	253	133.00	91	184.00	17
46.00	191	87.00	6671	134.00	103	186.00	19
47.00	1922	88.00	6374	135.00	142	187.00	98
48.00	962	91.00	554	137.00	80	190.00	46
49.00	6518	92.00	3456	139.00	62	194.00	106
50.00	27688	93.00	5602	140.00	249	196.00	34
51.00	8739	94.00	15363	141.00	1089	203.00	67
52.00	440	95.00	148608	142.00	129	207.00	173
53.00	190	96.00	9599	143.00	1124	208.00	91
55.00	549	97.00	162	144.00	19	209.00	162
56.00	2279	98.00	109	145.00	120	213.00	17
57.00	2430	99.00	60	146.00	287	217.00	52
58.00	176	103.00	129	147.00	150	218.00	53
60.00	1561	104.00	768	148.00	220	220.00	44
61.00	6307	105.00	284	149.00	194	222.00	19
62.00	6162	106.00	532	150.00	134	224.00	48
63.00	4930	107.00	176	151.00	114	228.00	25
64.00	288	109.00	25	152.00	29	231.00	33
65.00	210	110.00	275	154.00	184	232.00	69
66.00	43	111.00	116	155.00	233	233.00	36
67.00	304	112.00	224	156.00	38	235.00	26
68.00	14961	114.00	42	157.00	193	247.00	62
69.00	14838	115.00	73	158.00	28	251.00	34
70.00	158	116.00	413	159.00	74	254.00	20
71.00	99	117.00	722	161.00	238	256.00	39
72.00	633	118.00	411	162.00	83	257.00	32
73.00	5352	119.00	385	164.00	44	260.00	124
74.00	23352	121.00	30	166.00	88	264.00	21
75.00	70256	122.00	22	167.00	102		
76.00	5843	123.00	47	168.00	75		
77.00	987	124.00	28	169.00	154		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-146197/4

Matrix: Water | Lab File ID: k09234.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2013 10:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

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

Analysis Batch No.: 146197 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.10
74-83-9	Bromomethane	1.0	U	1.0	0.18
75-01-4	Vinyl chloride	1.0	U	1.0	0.14
75-00-3	Chloroethane	1.0	U	1.0	0.17
75-09-2	Methylene Chloride	1.0	U	1.0	0.18
67-64-1	Acetone	5.0	U	5.0	2.7
75-15-0	Carbon disulfide	1.0	U	1.0	0.13
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.15
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.090
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.18
67-66-3	Chloroform	1.0	U	1.0	0.080
78-93-3	2-Butanone	5.0	U	5.0	2.3
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.19
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.060
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.060
71-43-2	Benzene	1.0	U	1.0	0.080
75-25-2	Bromoform	1.0	U	1.0	0.19
100-42-5	Styrene	1.0	U	1.0	0.12
179601-23-1	m&p-Xylene	2.0	U	2.0	0.25
95-47-6	o-Xylene	1.0	U	1.0	0.13
100-41-4	Ethylbenzene	1.0	U	1.0	0.10
108-90-7	Chlorobenzene	1.0	U	1.0	0.11
110-82-7	Cyclohexane	1.0	U	1.0	0.16
98-82-8	Isopropylbenzene	1.0	U	1.0	0.080
591-78-6	2-Hexanone	5.0	U	5.0	0.50
1634-04-4	MTBE	1.0	U	1.0	0.14
76-13-1	Freon TF	1.0	U	1.0	0.080
79-20-9	Methyl acetate	2.0	U	2.0	0.34
123-91-1	1,4-Dioxane	50	U	50	36
79-01-6	Trichloroethene	1.0	U	1.0	0.090
108-88-3	Toluene	1.0	U	1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.24
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.99
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-146197/4

Matrix: Water | Lab File ID: k09234.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2013 10:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

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

Analysis Batch No.: 146197 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.21
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.14
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.51
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.090
108-87-2	Methylcyclohexane	1.0	U	1.0	0.14
127-18-4	Tetrachloroethene	1.0	U	1.0	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.40
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.16
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.19
124-48-1	Dibromochloromethane	1.0	U	1.0	0.20
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.28
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.22
74-97-5	Bromochloromethane	1.0	U	1.0	0.27
75-27-4	Bromodichloromethane	1.0	U	1.0	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		70-130
2037-26-5	Toluene-d8 (Surr)	86		70-130
460-00-4	Bromofluorobenzene	94		70-130

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09234.d
Report Date: 06-Feb-2013 11:48

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09234.d
Lab Smp Id: MB
Inj Date : 06-FEB-2013 10:49
Operator : Inst ID: VOAMS9.i
Smp Info : MB
Misc Info :
Comment :
Method : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/8260_09.m
Meth Date : 06-Feb-2013 08:47 desais Quant Type: ISTD
Cal Date : 25-JAN-2013 21:33 Cal File: k08903.d
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

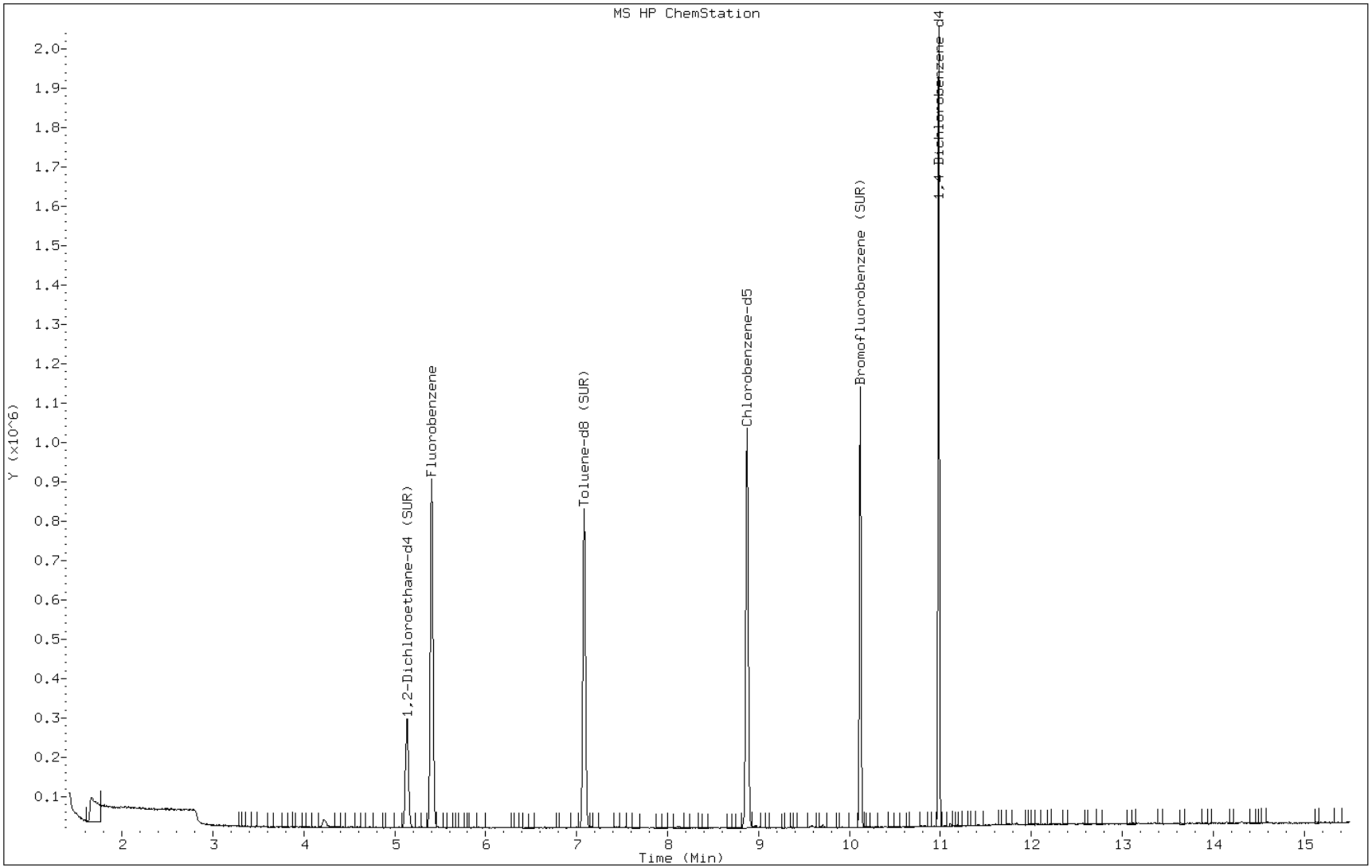
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 47 1,2-Dichloroethane-d4 (SUR)	65	5.131	5.131	(0.949)	212399	43.1840	43
* 52 Fluorobenzene	96	5.409	5.409	(1.000)	909471	50.0000	
$ 65 Toluene-d8 (SUR)	98	7.083	7.083	(0.799)	598671	42.8618	43
* 78 Chlorobenzene-d5	117	8.870	8.870	(1.000)	649236	50.0000	
$ 89 Bromofluorobenzene (SUR)	174	10.117	10.117	(0.921)	245345	46.7679	47
* 108 1,4-Dichlorobenzene-d4	152	10.983	10.983	(1.000)	355682	50.0000	

Data File: k09234.d

Date: 06-FEB-2013 10:49

Client ID: Instrument: VOAMS9.i

Sample Info: MB Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-146197/3

Matrix: Water Lab File ID: k09231.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 02/06/2013 08:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 146197 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	18.1		1.0	0.10
74-83-9	Bromomethane	16.8		1.0	0.18
75-01-4	Vinyl chloride	19.1		1.0	0.14
75-00-3	Chloroethane	16.5		1.0	0.17
75-09-2	Methylene Chloride	18.6		1.0	0.18
67-64-1	Acetone	21.0		5.0	2.7
75-15-0	Carbon disulfide	19.6		1.0	0.13
75-69-4	Trichlorofluoromethane	19.0		1.0	0.15
75-35-4	1,1-Dichloroethene	20.6		1.0	0.090
75-34-3	1,1-Dichloroethane	17.1		1.0	0.13
156-60-5	trans-1,2-Dichloroethene	18.7		1.0	0.13
156-59-2	cis-1,2-Dichloroethene	19.2		1.0	0.18
67-66-3	Chloroform	18.4		1.0	0.080
78-93-3	2-Butanone	20.1		5.0	2.3
107-06-2	1,2-Dichloroethane	17.2		1.0	0.19
71-55-6	1,1,1-Trichloroethane	18.9		1.0	0.060
56-23-5	Carbon tetrachloride	19.3		1.0	0.060
71-43-2	Benzene	17.5		1.0	0.080
75-25-2	Bromoform	18.8		1.0	0.19
100-42-5	Styrene	18.7		1.0	0.12
179601-23-1	m&p-Xylene	37.9		2.0	0.25
95-47-6	o-Xylene	18.6		1.0	0.13
100-41-4	Ethylbenzene	19.0		1.0	0.10
108-90-7	Chlorobenzene	18.6		1.0	0.11
110-82-7	Cyclohexane	18.8		1.0	0.16
98-82-8	Isopropylbenzene	19.2		1.0	0.080
591-78-6	2-Hexanone	15.8		5.0	0.50
1634-04-4	MTBE	18.5		1.0	0.14
76-13-1	Freon TF	21.9		1.0	0.080
79-20-9	Methyl acetate	12.6		2.0	0.34
123-91-1	1,4-Dioxane	169		50	36
79-01-6	Trichloroethene	19.1		1.0	0.090
108-88-3	Toluene	18.8		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	17.1		1.0	0.24
108-10-1	4-Methyl-2-pentanone	15.4		5.0	0.99
10061-01-5	cis-1,3-Dichloropropene	16.8		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-146197/3

Matrix: Water | Lab File ID: k09231.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2013 08:32

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

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

Analysis Batch No.: 146197 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	19.1		1.0	0.21
541-73-1	1,3-Dichlorobenzene	19.4		1.0	0.14
106-46-7	1,4-Dichlorobenzene	19.2		1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	20.5		1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	20.4		1.0	0.51
78-87-5	1,2-Dichloropropane	17.1		1.0	0.090
108-87-2	Methylcyclohexane	20.5		1.0	0.14
127-18-4	Tetrachloroethene	20.1		1.0	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	16.9		1.0	0.40
79-34-5	1,1,2,2-Tetrachloroethane	17.2		1.0	0.16
79-00-5	1,1,2-Trichloroethane	17.1		1.0	0.19
124-48-1	Dibromochloromethane	18.4		1.0	0.20
106-93-4	1,2-Dibromoethane	18.6		1.0	0.28
75-71-8	Dichlorodifluoromethane	19.7		1.0	0.22
74-97-5	Bromochloromethane	19.5		1.0	0.27
75-27-4	Bromodichloromethane	18.3		1.0	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	71		70-130
2037-26-5	Toluene-d8 (Surr)	79		70-130
460-00-4	Bromofluorobenzene	103		70-130

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09231.d
Report Date: 06-Feb-2013 09:25

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09231.d
Lab Smp Id: LCS
Inj Date : 06-FEB-2013 08:32
Operator : Inst ID: VOAMS9.i
Smp Info : LCS
Misc Info :
Comment :
Method : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/8260_09.m
Meth Date : 06-Feb-2013 08:47 desais Quant Type: ISTD
Cal Date : 25-JAN-2013 21:33 Cal File: k08903.d
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
167 Chlorotrifluoroethene	66	1.520	1.525	(0.281)	10775	9.21934	9.2
2 Dichlorodifluoromethane	85	1.546	1.562	(0.286)	128203	19.7205	20
3 Chloromethane	50	1.712	1.723	(0.317)	155605	18.1465	18
4 Vinyl Chloride	62	1.814	1.825	(0.336)	147580	19.1127	19
6 Bromomethane	94	2.087	2.103	(0.386)	74807	16.7935	17
5 Chloroethane	64	2.161	2.167	(0.400)	67582	16.4934	16
183 Dichlorofluoromethane	67	2.354	2.360	(0.436)	223642	19.2353	19
7 Trichlorofluoromethane	101	2.375	2.381	(0.440)	157102	18.9657	19
8 n-Pentane	72	2.375	2.392	(0.440)	26538	34.3357	34
9 Ethanol	46	2.541	2.536	(0.470)	85488	2639.43	2600
11 Ethyl Ether	59	2.568	2.573	(0.475)	79469	18.0929	18
10 Isoprene	67	2.589	2.600	(0.479)	250351	18.0570	18
168 1,2-Dichlorotrifluoroethane	67	2.589	2.600	(0.479)	254107	18.6044	19
13 Acrolein	56	2.745	2.750	(0.508)	38041	46.2710	46
14 Freon TF	101	2.761	2.766	(0.511)	94118	21.8794	22
15 1,1-Dichloroethene	96	2.787	2.793	(0.516)	82874	20.6130	21

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09231.d
Report Date: 06-Feb-2013 09:25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	16 Acetone	43	2.868	2.868	(0.531)	37038	20.9902	21
	17 Iodomethane	142	2.937	2.943	(0.544)	186599	21.9586	22
	18 Carbon Disulfide	76	2.975	2.980	(0.550)	357886	19.5640	20
	170 Cyclopentene	67	3.124	3.130	(0.578)	266885	18.8926	19
	27 Methyl Acetate	43	3.108	3.114	(0.575)	79443	12.6474	13
	22 Methylene Chloride	84	3.226	3.232	(0.597)	104988	18.6201	19
	24 TBA	59	3.285	3.296	(0.608)	252258	358.782	360
	28 MTBE	73	3.392	3.397	(0.628)	308130	18.5091	18
	25 trans-1,2-Dichloroethene	96	3.419	3.419	(0.633)	93212	18.6782	19
	26 Acrylonitrile	53	3.488	3.494	(0.646)	43566	20.1419	20
	29 Hexane	43	3.568	3.574	(0.660)	68643	18.3040	18
	32 DIPE	45	3.782	3.788	(0.700)	333008	15.8854	16
	30 1,1-Dichloroethane	63	3.820	3.820	(0.707)	171118	17.0818	17
	31 Vinyl Acetate	43	3.825	3.831	(0.708)	539933	33.9612	34
	35 t-Butyl-ethyl-ether	59	4.103	4.109	(0.759)	338961	17.7558	18
	37 2,2-Dichloropropane	77	4.323	4.334	(0.800)	155646	18.9406	19
	36 cis-1,2-Dichloroethene	96	4.339	4.339	(0.803)	107941	19.2092	19
	39 Ethyl Acetate	70	4.355	4.355	(0.806)	21765	36.0640	36
	38 2-Butanone	72	4.355	4.355	(0.806)	12863	20.1324	20
	40 Bromochloromethane	128	4.569	4.569	(0.846)	52057	19.5307	20
	41 Tetrahydrofuran	42	4.569	4.569	(0.846)	35506	17.5446	18
	174 Methacrylonitrile	67	4.590	4.596	(0.850)	81365	35.2923	35
	42 Chloroform	83	4.617	4.622	(0.854)	172149	18.3731	18
	44 Cyclohexane	56	4.761	4.762	(0.881)	162514	18.7865	19
	43 1,1,1-Trichloroethane	97	4.772	4.778	(0.883)	148794	18.9492	19
	45 Carbon Tetrachloride	117	4.890	4.895	(0.905)	116896	19.3005	19
	46 1,1-Dichloropropene	75	4.917	4.922	(0.910)	127404	20.6649	21
	48 Benzene	78	5.120	5.120	(0.577)	385465	17.4961	17
$	47 1,2-Dichloroethane-d4 (SUR)	65	5.131	5.131	(0.950)	167741	35.5555	36
	61 Isopropyl Acetate	43	5.168	5.168	(0.956)	503072	31.3653	31
	50 t-Amyl-methyl-ether	73	5.179	5.184	(0.958)	309683	18.3976	18
	49 1,2-Dichloroethane	62	5.205	5.211	(0.963)	128099	17.1871	17
	51 n-Heptane	57	5.264	5.270	(0.974)	47910	18.2383	18
*	52 Fluorobenzene	96	5.403	5.409	(1.000)	872352	50.0000	
	166 2,4,4-Trimethyl-1-pentene	112	5.623	5.628	(1.041)	47419	36.8939	37
	54 Trichloroethene	95	5.756	5.762	(1.065)	96298	19.0851	19
	55 Ethyl Acrylate	73	5.874	5.874	(1.087)	8775	17.3729	17
	56 Methyl cyclohexane	83	5.890	5.896	(1.090)	139194	20.5260	20
	57 1,2-Dichloropropane	63	6.051	6.051	(1.120)	97971	17.1152	17
	59 Methyl Methacrylate	100	6.120	6.126	(1.133)	25959	18.9797	19
	75 Propyl Acetate	43	6.174	6.174	(1.143)	138882	15.8705	16
	60 1,4-Dioxane	88	6.158	6.163	(1.140)	10589	169.413	170
	58 Dibromomethane	93	6.179	6.179	(1.144)	63927	18.7534	19
	68 Bromodichloromethane	83	6.329	6.329	(1.171)	123696	18.3174	18
	62 2-Chloroethyl Vinyl Ether	63	6.666	6.666	(1.234)	46525	12.1882	12
	63 Epichlorohydrin	57	6.773	6.773	(0.764)	201951	324.877	320
	67 cis-1,3-Dichloropropene	75	6.832	6.832	(0.770)	157078	16.8319	17

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09231.d
Report Date: 06-Feb-2013 09:25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	70 4-Methyl-2-Pentanone	43	6.992	6.998	(0.788)	100846	15.3775	15
$	65 Toluene-d8 (SUR)	98	7.078	7.083	(0.798)	535089	39.7216	40
	66 Toluene	91	7.158	7.158	(0.807)	406358	18.7501	19
	64 trans-1,3-Dichloropropene	75	7.500	7.506	(0.846)	142302	17.1338	17
	175 Ethyl methacrylate	69	7.533	7.533	(1.394)	129372	17.7495	18
	69 1,1,2-Trichloroethane	83	7.720	7.720	(0.870)	73484	17.0812	17
	71 Tetrachloroethene	166	7.768	7.768	(0.876)	90861	20.1322	20
	72 1,3-Dichloropropane	76	7.928	7.934	(0.894)	141774	17.2870	17
	73 2-Hexanone	43	7.993	7.993	(0.901)	68239	15.7604	16
	76 Butyl Acetate	73	8.105	8.105	(0.914)	46100	32.9817	33
	74 Dibromochloromethane	129	8.164	8.164	(0.920)	86253	18.4304	18
	77 1,2-Dibromoethane	107	8.319	8.324	(0.938)	90595	18.6485	19
*	78 Chlorobenzene-d5	117	8.870	8.870	(1.000)	626158	50.0000	
	79 Chlorobenzene	112	8.907	8.908	(1.004)	251439	18.5513	18
	81 Ethylbenzene	106	9.009	9.009	(1.016)	136396	18.9769	19
	80 1,1,1,2-Tetrachloroethane	131	9.025	9.031	(1.017)	90521	18.4814	18
	82 m+p-Xylene	106	9.164	9.164	(1.033)	336755	37.8511	38
	83 Butyl Acrylate	73	9.587	9.587	(1.081)	81073	17.2267	17
	84 o-Xylene	106	9.603	9.603	(1.083)	174793	18.6210	19
	85 Styrene	104	9.630	9.630	(1.086)	294072	18.7133	19
	87 Amyl Acetate	43	9.806	9.806	(0.893)	202513	15.6775	16
	86 Bromoform	173	9.828	9.828	(1.108)	55364	18.7702	19
	88 Isopropylbenzene	105	9.940	9.940	(1.121)	431625	19.1763	19
$	89 Bromofluorobenzene (SUR)	174	10.116	10.117	(0.921)	260367	51.7106	52
	92 1,1,2,2-Tetrachloroethane	83	10.266	10.266	(0.935)	120261	17.1786	17
	91 Bromobenzene	156	10.234	10.234	(0.932)	114650	19.6652	20
	95 n-Propylbenzene	91	10.293	10.293	(0.937)	517563	18.7092	19
	94 trans-1,4-Dichloro-2-butene	53	10.325	10.325	(0.940)	28980	14.9355	15
	93 1,2,3-Trichloropropane	110	10.309	10.309	(0.939)	31655	18.0660	18
	96 2-Chlorotoluene	91	10.384	10.384	(0.945)	358890	18.1839	18
	97 1,3,5-Trimethylbenzene	105	10.437	10.443	(0.950)	360999	18.9587	19
	99 Butyl Methacrylate	87	10.512	10.512	(0.957)	148756	17.8522	18
	98 4-Chlorotoluene	91	10.475	10.475	(0.954)	320681	18.1692	18
	100 tert-Butylbenzene	119	10.673	10.673	(0.972)	266587	18.6609	19
	101 1,2,4-Trimethylbenzene	105	10.716	10.716	(0.976)	371084	18.5189	18
	102 2-Octanone	43	10.807	10.807	(0.984)	180272	18.3819	18
	103 sec-Butylbenzene	105	10.828	10.828	(0.986)	419319	19.2129	19
	107 p-Isopropyltoluene	119	10.930	10.930	(0.995)	357267	19.3239	19
	105 1,3-Dichlorobenzene	146	10.935	10.935	(0.996)	207825	19.4462	19
*	108 1,4-Dichlorobenzene-d4	152	10.983	10.983	(1.000)	341381	50.0000	
	109 1,4-Dichlorobenzene	146	10.999	10.999	(1.001)	214452	19.1791	19
	110 Benzyl Chloride	91	11.095	11.096	(1.010)	249674	17.1059	17
	187 1,4-Diethylbenzene	119	11.181	11.176	(2.069)	215839	20.0974	20
	171 Indan	117	11.144	11.144	(2.062)	396519	19.7768	20
	106 n-Butylbenzene	91	11.197	11.192	(1.019)	402052	18.8637	19
	111 1,2-Dichlorobenzene	146	11.245	11.240	(1.024)	212436	19.1387	19
	112 1,2-Dibromo-3-chloropropane	75	11.727	11.721	(1.068)	23515	16.8841	17

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09231.d
Report Date: 06-Feb-2013 09:25

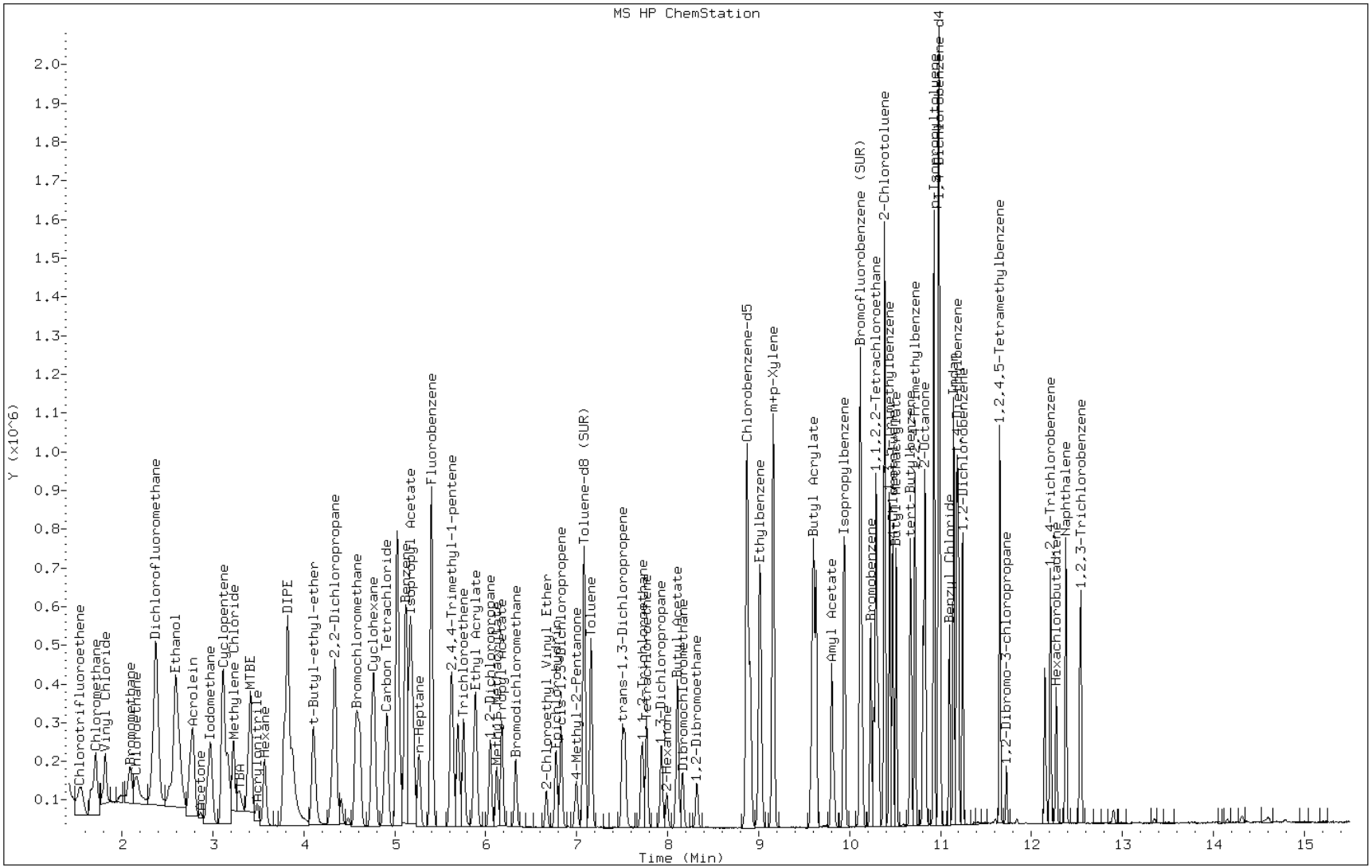
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
186	1,2,4,5-Tetramethylbenzene	119	11.652	11.647	(2.156)	359956	20.0271	20
114	1,2,4-Trichlorobenzene	180	12.208	12.203	(1.112)	152784	20.4803	20
115	Hexachlorobutadiene	225	12.272	12.267	(1.117)	52618	21.3859	21
116	Naphthalene	128	12.379	12.374	(1.127)	430504	19.5728	20
117	1,2,3-Trichlorobenzene	180	12.540	12.535	(1.142)	145941	20.4218	20
M 120	1,2-Dichloroethene (Total)	100				201153	37.8874	38
M 121	Xylene (Total)	100				511548	56.4720	56

Data File: k09231.d

Date: 06-FEB-2013 08:32

Client ID: Instrument: VOAMS9.i

Sample Info: LCS Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-1 MS | Lab Sample ID: 460-50248-2 MS

Matrix: Water | Lab File ID: k09242.d

Analysis Method: 8260B | Date Collected: 01/31/2013 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2013 14:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

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

Analysis Batch No.: 146197 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	15.9		1.0	0.10
74-83-9	Bromomethane	16.8		1.0	0.18
75-01-4	Vinyl chloride	17.5		1.0	0.14
75-00-3	Chloroethane	16.0		1.0	0.17
75-09-2	Methylene Chloride	17.6		1.0	0.18
67-64-1	Acetone	16.1		5.0	2.7
75-15-0	Carbon disulfide	18.8		1.0	0.13
75-69-4	Trichlorofluoromethane	18.8		1.0	0.15
75-35-4	1,1-Dichloroethene	19.9		1.0	0.090
75-34-3	1,1-Dichloroethane	16.4		1.0	0.13
156-60-5	trans-1,2-Dichloroethene	18.1		1.0	0.13
156-59-2	cis-1,2-Dichloroethene	19.7		1.0	0.18
67-66-3	Chloroform	18.0		1.0	0.080
78-93-3	2-Butanone	19.0		5.0	2.3
107-06-2	1,2-Dichloroethane	17.1		1.0	0.19
71-55-6	1,1,1-Trichloroethane	18.4		1.0	0.060
56-23-5	Carbon tetrachloride	18.7		1.0	0.060
71-43-2	Benzene	17.3		1.0	0.080
75-25-2	Bromoform	17.8		1.0	0.19
100-42-5	Styrene	18.0		1.0	0.12
179601-23-1	m&p-Xylene	38.0		2.0	0.25
95-47-6	o-Xylene	18.5		1.0	0.13
100-41-4	Ethylbenzene	19.1		1.0	0.10
108-90-7	Chlorobenzene	30.3		1.0	0.11
110-82-7	Cyclohexane	18.7		1.0	0.16
98-82-8	Isopropylbenzene	19.3		1.0	0.080
591-78-6	2-Hexanone	15.7		5.0	0.50
1634-04-4	MTBE	17.2		1.0	0.14
76-13-1	Freon TF	21.8		1.0	0.080
79-20-9	Methyl acetate	11.5		2.0	0.34
123-91-1	1,4-Dioxane	119		50	36
79-01-6	Trichloroethene	19.6		1.0	0.090
108-88-3	Toluene	18.6		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	16.1		1.0	0.24
108-10-1	4-Methyl-2-pentanone	16.1		5.0	0.99
10061-01-5	cis-1,3-Dichloropropene	16.0		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-1 MS | Lab Sample ID: 460-50248-2 MS

Matrix: Water | Lab File ID: k09242.d

Analysis Method: 8260B | Date Collected: 01/31/2013 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2013 14:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

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

Analysis Batch No.: 146197 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	23.4		1.0	0.21
541-73-1	1,3-Dichlorobenzene	20.2		1.0	0.14
106-46-7	1,4-Dichlorobenzene	27.3		1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	19.5		1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	19.2		1.0	0.51
78-87-5	1,2-Dichloropropane	16.5		1.0	0.090
108-87-2	Methylcyclohexane	20.6		1.0	0.14
127-18-4	Tetrachloroethene	21.0		1.0	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	16.3		1.0	0.40
79-34-5	1,1,2,2-Tetrachloroethane	17.9		1.0	0.16
79-00-5	1,1,2-Trichloroethane	16.7		1.0	0.19
124-48-1	Dibromochloromethane	17.6		1.0	0.20
106-93-4	1,2-Dibromoethane	18.3		1.0	0.28
75-71-8	Dichlorodifluoromethane	19.3		1.0	0.22
74-97-5	Bromochloromethane	19.1		1.0	0.27
75-27-4	Bromodichloromethane	17.9		1.0	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		70-130
2037-26-5	Toluene-d8 (Surr)	86		70-130
460-00-4	Bromofluorobenzene	95		70-130

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09242.d
Report Date: 07-Feb-2013 00:57

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09242.d
Lab Smp Id: 460-50248-A-2 MS Client Smp ID: MW-1
Inj Date : 06-FEB-2013 14:56
Operator : Inst ID: VOAMS9.i
Smp Info : 460-50248-A-2 MS
Misc Info : 460-50248-A-2 MS
Comment   :
Method   : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/8260_09.m
Meth Date : 06-Feb-2013 08:47 desais Quant Type: ISTD
Cal Date : 25-JAN-2013 21:33 Cal File: k08903.d
Als bottle: 14 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
167 Chlorotrifluoroethene	66	1.541	1.525	(0.285)	14428	11.7351	12
2 Dichlorodifluoromethane	85	1.562	1.562	(0.289)	131798	19.2720	19
3 Chloromethane	50	1.723	1.723	(0.318)	143844	15.9463	16
4 Vinyl Chloride	62	1.824	1.825	(0.337)	141891	17.4683	17
6 Bromomethane	94	2.103	2.103	(0.388)	78812	16.8186	17
5 Chloroethane	64	2.177	2.167	(0.402)	68842	15.9710	16
183 Dichlorofluoromethane	67	2.359	2.360	(0.436)	219442	17.9418	18
7 Trichlorofluoromethane	101	2.386	2.381	(0.441)	163589	18.7733	19
8 n-Pentane	72	2.386	2.392	(0.441)	29281	36.0133	36
9 Ethanol	46	2.541	2.536	(0.469)	63892	1875.22	1900
11 Ethyl Ether	59	2.579	2.573	(0.476)	79636	17.2353	17
10 Isoprene	67	2.611	2.600	(0.482)	263039	18.0350	18
168 1,2-Dichlorotrifluoroethane	67	2.611	2.600	(0.482)	264729	18.4247	18
13 Acrolein	56	2.755	2.750	(0.509)	34521	39.9153	40
14 Freon TF	101	2.771	2.766	(0.512)	98611	21.7915	22
15 1,1-Dichloroethene	96	2.793	2.793	(0.516)	84180	19.9036	20

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09242.d
Report Date: 07-Feb-2013 00:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	16 Acetone	43	2.878	2.868	(0.532)	29955	16.1376	16
	17 Iodomethane	142	2.953	2.943	(0.545)	193339	21.6279	22
	18 Carbon Disulfide	76	2.985	2.980	(0.551)	361244	18.7720	19
	170 Cyclopentene	67	3.130	3.130	(0.578)	279951	18.8386	19
	27 Methyl Acetate	43	3.119	3.114	(0.576)	76003	11.5021	12
	22 Methylene Chloride	84	3.237	3.232	(0.598)	104566	17.6291	18
	24 TBA	59	3.296	3.296	(0.609)	241456	326.455	330
	28 MTBE	73	3.402	3.397	(0.628)	301744	17.2301	17
	25 trans-1,2-Dichloroethene	96	3.424	3.419	(0.632)	95088	18.1129	18
	26 Acrylonitrile	53	3.499	3.494	(0.646)	35774	15.7224	16
	29 Hexane	43	3.579	3.574	(0.661)	70367	17.8368	18
	32 DIPE	45	3.793	3.788	(0.701)	319289	14.4786	14
	30 1,1-Dichloroethane	63	3.825	3.820	(0.707)	173009	16.4174	16
	31 Vinyl Acetate	43	3.836	3.831	(0.708)	566918	33.8971	34
	35 t-Butyl-ethyl-ether	59	4.114	4.109	(0.760)	329230	16.3941	16
	37 2,2-Dichloropropane	77	4.333	4.334	(0.800)	149865	17.3363	17
	36 cis-1,2-Dichloroethene	96	4.349	4.339	(0.803)	116573	19.7206	20
	39 Ethyl Acetate	70	4.365	4.355	(0.806)	22962	36.1679	36
	38 2-Butanone	72	4.371	4.355	(0.807)	12791	19.0308	19
	40 Bromochloromethane	128	4.579	4.569	(0.846)	53559	19.1016	19
	41 Tetrahydrofuran	42	4.574	4.569	(0.845)	36830	17.2999	17
	174 Methacrylonitrile	67	4.601	4.596	(0.850)	83681	34.5039	34
	42 Chloroform	83	4.628	4.622	(0.855)	177455	18.0039	18
	44 Cyclohexane	56	4.767	4.762	(0.880)	169755	18.6542	19
	43 1,1,1-Trichloroethane	97	4.777	4.778	(0.882)	152189	18.4242	18
	45 Carbon Tetrachloride	117	4.895	4.895	(0.904)	119008	18.6786	19
	46 1,1-Dichloropropene	75	4.922	4.922	(0.909)	135749	20.9308	21
	48 Benzene	78	5.125	5.120	(0.577)	402178	17.3134	17
$	47 1,2-Dichloroethane-d4 (SUR)	65	5.136	5.131	(0.949)	212258	42.7692	43
	61 Isopropyl Acetate	43	5.179	5.168	(0.957)	526207	31.1871	31
	50 t-Amyl-methyl-ether	73	5.184	5.184	(0.958)	308455	17.4194	17
	49 1,2-Dichloroethane	62	5.216	5.211	(0.963)	134025	17.0940	17
	51 n-Heptane	57	5.270	5.270	(0.973)	50439	18.2526	18
*	52 Fluorobenzene	96	5.414	5.409	(1.000)	917683	50.0000	
	166 2,4,4-Trimethyl-1-pentene	112	5.628	5.628	(1.040)	45820	33.8888	34
	54 Trichloroethene	95	5.767	5.762	(1.065)	103981	19.5898	20
	55 Ethyl Acrylate	73	5.879	5.874	(1.086)	9546	17.9657	18
	56 Methyl cyclohexane	83	5.890	5.896	(1.088)	146924	20.5957	20
	57 1,2-Dichloropropane	63	6.056	6.051	(1.119)	99316	16.4932	16
	59 Methyl Methacrylate	100	6.131	6.126	(1.132)	26132	18.1624	18
	75 Propyl Acetate	43	6.179	6.174	(1.141)	136399	14.8168	15
	60 1,4-Dioxane	88	6.168	6.163	(1.139)	7830	119.084	120
	58 Dibromomethane	93	6.184	6.179	(1.142)	66452	18.5311	18
	68 Bromodichloromethane	83	6.334	6.329	(1.170)	127423	17.9372	18
	63 Epichlorohydrin	57	6.778	6.773	(0.764)	125893	192.081	190(R)
	67 cis-1,3-Dichloropropene	75	6.837	6.832	(0.770)	157825	16.0399	16
	70 4-Methyl-2-Pentanone	43	6.997	6.998	(0.788)	111325	16.1001	16

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09242.d
Report Date: 07-Feb-2013 00:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$	65 Toluene-d8 (SUR)	98	7.083	7.083	(0.798)	611424	43.0479	43
	66 Toluene	91	7.163	7.158	(0.807)	424153	18.5621	18
	64 trans-1,3-Dichloropropene	75	7.506	7.506	(0.846)	141196	16.1241	16
	175 Ethyl methacrylate	69	7.538	7.533	(1.392)	138403	18.0505	18
	69 1,1,2-Trichloroethane	83	7.720	7.720	(0.870)	75862	16.7247	17
	71 Tetrachloroethene	166	7.773	7.768	(0.876)	99900	20.9937	21
	72 1,3-Dichloropropane	76	7.939	7.934	(0.894)	144481	16.7087	17
	73 2-Hexanone	43	7.998	7.993	(0.901)	71848	15.7383	16
	76 Butyl Acetate	73	8.110	8.105	(0.914)	49574	33.6384	34
	74 Dibromochloromethane	129	8.169	8.164	(0.920)	86704	17.5715	18
	77 1,2-Dibromoethane	107	8.330	8.324	(0.939)	93717	18.2965	18
*	78 Chlorobenzene-d5	117	8.875	8.870	(1.000)	660199	50.0000	
	79 Chlorobenzene	112	8.913	8.908	(1.004)	432582	30.2706	30(R)
	81 Ethylbenzene	106	9.014	9.009	(1.016)	145123	19.1500	19
	80 1,1,1,2-Tetrachloroethane	131	9.030	9.031	(1.017)	91368	17.6925	18
	82 m+p-Xylene	106	9.169	9.164	(1.033)	356052	37.9565	38
	83 Butyl Acrylate	73	9.587	9.587	(1.080)	87635	17.6609	18
	84 o-Xylene	106	9.608	9.603	(1.083)	182874	18.4773	18
	85 Styrene	104	9.635	9.630	(1.086)	298715	18.0286	18
	87 Amyl Acetate	43	9.806	9.806	(0.893)	208581	15.6320	16
	86 Bromoform	173	9.833	9.828	(1.108)	55401	17.8142	18
	88 Isopropylbenzene	105	9.945	9.940	(1.121)	457341	19.2712	19
$	89 Bromofluorobenzene (SUR)	174	10.122	10.117	(0.922)	246365	47.3683	47
	92 1,1,2,2-Tetrachloroethane	83	10.272	10.266	(0.935)	129502	17.9083	18
	91 Bromobenzene	156	10.239	10.234	(0.932)	117755	19.5532	20
	95 n-Propylbenzene	91	10.293	10.293	(0.937)	541768	18.9592	19
	94 trans-1,4-Dichloro-2-butene	53	10.325	10.325	(0.940)	27761	13.8507	14
	93 1,2,3-Trichloropropane	110	10.309	10.309	(0.939)	33537	18.5293	18
	96 2-Chlorotoluene	91	10.384	10.384	(0.945)	370910	18.1932	18
	97 1,3,5-Trimethylbenzene	105	10.443	10.443	(0.951)	371449	18.8850	19
	99 Butyl Methacrylate	87	10.518	10.512	(0.958)	150382	17.4714	17
	98 4-Chlorotoluene	91	10.475	10.475	(0.954)	328719	18.0303	18
	100 tert-Butylbenzene	119	10.673	10.673	(0.972)	276476	18.7355	19
	101 1,2,4-Trimethylbenzene	105	10.721	10.716	(0.976)	380784	18.3966	18
	102 2-Octanone	43	10.806	10.807	(0.984)	214438	21.1680	21
	103 sec-Butylbenzene	105	10.828	10.828	(0.986)	431619	19.1454	19
	107 p-Isopropyltoluene	119	10.930	10.930	(0.995)	371929	19.4750	19
	105 1,3-Dichlorobenzene	146	10.935	10.935	(0.996)	223243	20.2223	20
*	108 1,4-Dichlorobenzene-d4	152	10.983	10.983	(1.000)	352634	50.0000	
	109 1,4-Dichlorobenzene	146	10.999	10.999	(1.001)	314793	27.2544	27(R)
	110 Benzyl Chloride	91	11.095	11.096	(1.010)	236576	15.6913	16
	187 1,4-Diethylbenzene	119	11.181	11.176	(2.065)	221265	19.5849	20
	171 Indan	117	11.144	11.144	(2.058)	419412	19.8853	20
	106 n-Butylbenzene	91	11.197	11.192	(1.019)	412020	18.7145	19
	111 1,2-Dichlorobenzene	146	11.245	11.240	(1.024)	268734	23.4380	23
	112 1,2-Dibromo-3-chloropropane	75	11.721	11.721	(1.067)	23380	16.2515	16
	186 1,2,4,5-Tetramethylbenzene	119	11.652	11.647	(2.152)	353254	18.6833	19

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09242.d
Report Date: 07-Feb-2013 00:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
114	1,2,4-Trichlorobenzene	180	12.203	12.203	(1.111)	149908	19.4535	19
115	Hexachlorobutadiene	225	12.267	12.267	(1.117)	53034	20.8671	21
116	Naphthalene	128	12.374	12.374	(1.127)	429434	18.9011	19
117	1,2,3-Trichlorobenzene	180	12.534	12.535	(1.141)	141501	19.1687	19
M 120	1,2-Dichloroethene (Total)	100				211661	37.8335	38
M 121	Xylene (Total)	100				538926	56.4339	56

QC Flag Legend

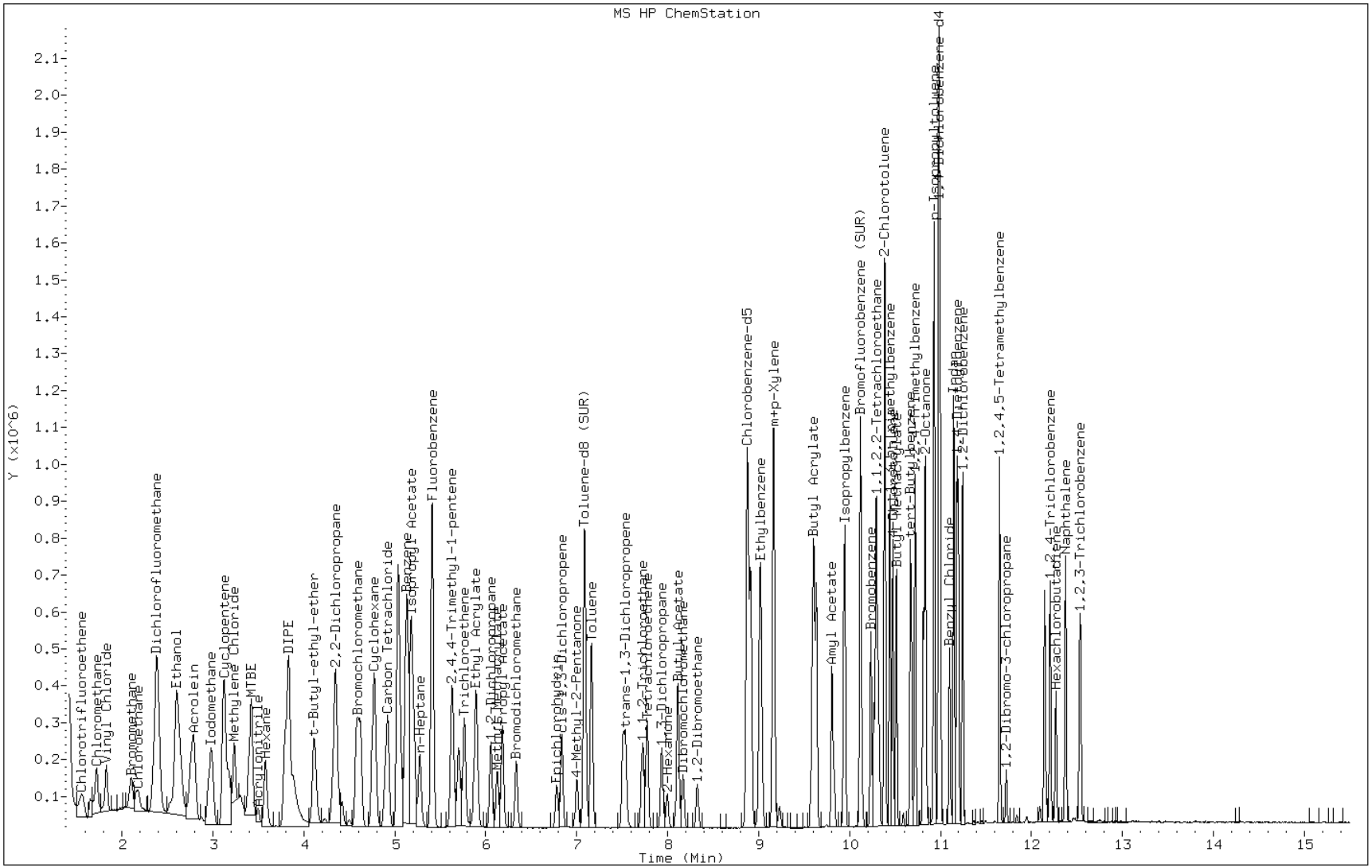
R - Spike/Surrogate failed recovery limits.

Data File: k09242.d

Date: 06-FEB-2013 14:56

Client ID: MW-1 Instrument: VOAMS9.i

Sample Info: 460-50248-A-2 MS Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-1 MSD | Lab Sample ID: 460-50248-2 MSD

Matrix: Water | Lab File ID: k09243.d

Analysis Method: 8260B | Date Collected: 01/31/2013 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2013 15:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

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

Analysis Batch No.: 146197 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	15.9		1.0	0.10
74-83-9	Bromomethane	16.1		1.0	0.18
75-01-4	Vinyl chloride	17.7		1.0	0.14
75-00-3	Chloroethane	15.4		1.0	0.17
75-09-2	Methylene Chloride	17.3		1.0	0.18
67-64-1	Acetone	14.6		5.0	2.7
75-15-0	Carbon disulfide	18.4		1.0	0.13
75-69-4	Trichlorofluoromethane	18.9		1.0	0.15
75-35-4	1,1-Dichloroethene	19.4		1.0	0.090
75-34-3	1,1-Dichloroethane	16.1		1.0	0.13
156-60-5	trans-1,2-Dichloroethene	17.7		1.0	0.13
156-59-2	cis-1,2-Dichloroethene	19.2		1.0	0.18
67-66-3	Chloroform	17.5		1.0	0.080
78-93-3	2-Butanone	18.7		5.0	2.3
107-06-2	1,2-Dichloroethane	16.9		1.0	0.19
71-55-6	1,1,1-Trichloroethane	18.3		1.0	0.060
56-23-5	Carbon tetrachloride	18.6		1.0	0.060
71-43-2	Benzene	17.1		1.0	0.080
75-25-2	Bromoform	18.0		1.0	0.19
100-42-5	Styrene	18.0		1.0	0.12
179601-23-1	m&p-Xylene	37.5		2.0	0.25
95-47-6	o-Xylene	18.5		1.0	0.13
100-41-4	Ethylbenzene	19.0		1.0	0.10
108-90-7	Chlorobenzene	30.4		1.0	0.11
110-82-7	Cyclohexane	18.3		1.0	0.16
98-82-8	Isopropylbenzene	19.3		1.0	0.080
591-78-6	2-Hexanone	15.7		5.0	0.50
1634-04-4	MTBE	17.1		1.0	0.14
76-13-1	Freon TF	21.2		1.0	0.080
79-20-9	Methyl acetate	11.6		2.0	0.34
123-91-1	1,4-Dioxane	143		50	36
79-01-6	Trichloroethene	18.9		1.0	0.090
108-88-3	Toluene	18.5		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	15.9		1.0	0.24
108-10-1	4-Methyl-2-pentanone	15.8		5.0	0.99
10061-01-5	cis-1,3-Dichloropropene	15.8		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-1 MSD | Lab Sample ID: 460-50248-2 MSD

Matrix: Water | Lab File ID: k09243.d

Analysis Method: 8260B | Date Collected: 01/31/2013 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2013 15:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.53(mm)

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

Analysis Batch No.: 146197 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	23.1		1.0	0.21
541-73-1	1,3-Dichlorobenzene	20.1		1.0	0.14
106-46-7	1,4-Dichlorobenzene	27.3		1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	19.5		1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	20.0		1.0	0.51
78-87-5	1,2-Dichloropropane	16.3		1.0	0.090
108-87-2	Methylcyclohexane	20.5		1.0	0.14
127-18-4	Tetrachloroethene	21.0		1.0	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	16.4		1.0	0.40
79-34-5	1,1,2,2-Tetrachloroethane	17.6		1.0	0.16
79-00-5	1,1,2-Trichloroethane	16.3		1.0	0.19
124-48-1	Dibromochloromethane	17.5		1.0	0.20
106-93-4	1,2-Dibromoethane	18.3		1.0	0.28
75-71-8	Dichlorodifluoromethane	19.5		1.0	0.22
74-97-5	Bromochloromethane	19.2		1.0	0.27
75-27-4	Bromodichloromethane	17.7		1.0	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		70-130
2037-26-5	Toluene-d8 (Surr)	87		70-130
460-00-4	Bromofluorobenzene	96		70-130

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09243.d
Report Date: 07-Feb-2013 00:58

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09243.d
Lab Smp Id: 460-50248-A-2 MSD Client Smp ID: MW-1
Inj Date : 06-FEB-2013 15:19
Operator : Inst ID: VOAMS9.i
Smp Info : 460-50248-A-2 MSD
Misc Info : 460-50248-A-2 MSD
Comment   :
Method   : /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/8260_09.m
Meth Date : 06-Feb-2013 08:47 desais Quant Type: ISTD
Cal Date : 25-JAN-2013 21:33 Cal File: k08903.d
Als bottle: 15 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
167	Chlorotrifluoroethene	66	1.525	1.525	(0.282)	14760	12.3701	12
2	Dichlorodifluoromethane	85	1.552	1.562	(0.287)	129241	19.4727	19
3	Chloromethane	50	1.712	1.723	(0.317)	138900	15.8663	16
4	Vinyl Chloride	62	1.814	1.825	(0.335)	139866	17.7425	18
6	Bromomethane	94	2.097	2.103	(0.388)	73073	16.0680	16
5	Chloroethane	64	2.162	2.167	(0.400)	64486	15.4153	15
183	Dichlorofluoromethane	67	2.354	2.360	(0.435)	214802	18.0963	18
7	Trichlorofluoromethane	101	2.381	2.381	(0.440)	159670	18.8806	19
8	n-Pentane	72	2.381	2.392	(0.440)	27941	35.4100	35
9	Ethanol	46	2.536	2.536	(0.469)	84257	2548.11	2500
11	Ethyl Ether	59	2.568	2.573	(0.475)	75680	16.8771	17
10	Isoprene	67	2.600	2.600	(0.481)	253841	17.9335	18
168	1,2-Dichlorotrifluoroethane	67	2.600	2.600	(0.481)	254017	18.2166	18
13	Acrolein	56	2.745	2.750	(0.507)	37372	44.5256	44
14	Freon TF	101	2.766	2.766	(0.511)	93276	21.2393	21
15	1,1-Dichloroethene	96	2.787	2.793	(0.515)	79432	19.3519	19

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09243.d
Report Date: 07-Feb-2013 00:58

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	16 Acetone	43	2.873	2.868	(0.531)	26245	14.5687	14
	17 Iodomethane	142	2.943	2.943	(0.544)	184347	21.2490	21
	18 Carbon Disulfide	76	2.975	2.980	(0.550)	343942	18.4163	18
	170 Cyclopentene	67	3.119	3.130	(0.577)	261768	18.1506	18
	27 Methyl Acetate	43	3.114	3.114	(0.576)	74328	11.5906	12
	22 Methylene Chloride	84	3.231	3.232	(0.597)	99402	17.2680	17
	24 TBA	59	3.296	3.296	(0.609)	249026	346.926	350
	28 MTBE	73	3.397	3.397	(0.628)	291138	17.1299	17
	25 trans-1,2-Dichloroethene	96	3.419	3.419	(0.632)	90419	17.7472	18
	26 Acrylonitrile	53	3.488	3.494	(0.645)	35574	16.1099	16
	29 Hexane	43	3.574	3.574	(0.661)	66907	17.4754	17
	32 DIPE	45	3.788	3.788	(0.700)	308886	14.4327	14
	30 1,1-Dichloroethane	63	3.820	3.820	(0.706)	165042	16.1376	16
	31 Vinyl Acetate	43	3.831	3.831	(0.708)	482901	29.7514	30
	35 t-Butyl-ethyl-ether	59	4.103	4.109	(0.759)	318316	16.3326	16
	37 2,2-Dichloropropane	77	4.323	4.334	(0.799)	143352	17.0870	17
	36 cis-1,2-Dichloroethene	96	4.344	4.339	(0.803)	110390	19.2424	19
	39 Ethyl Acetate	70	4.360	4.355	(0.806)	21503	34.8996	35
	38 2-Butanone	72	4.355	4.355	(0.805)	12167	18.6527	19
	40 Bromochloromethane	128	4.569	4.569	(0.845)	52241	19.1980	19
	41 Tetrahydrofuran	42	4.569	4.569	(0.845)	34567	16.7305	17
	174 Methacrylonitrile	67	4.596	4.596	(0.850)	83124	35.3163	35
	42 Chloroform	83	4.622	4.622	(0.855)	167781	17.5399	18
	44 Cyclohexane	56	4.761	4.762	(0.880)	161569	18.2944	18
	43 1,1,1-Trichloroethane	97	4.772	4.778	(0.882)	146710	18.3009	18
	45 Carbon Tetrachloride	117	4.890	4.895	(0.904)	114748	18.5575	18
	46 1,1-Dichloropropene	75	4.922	4.922	(0.910)	129686	20.6039	21
	48 Benzene	78	5.120	5.120	(0.577)	384001	17.0759	17
$	47 1,2-Dichloroethane-d4 (SUR)	65	5.131	5.131	(0.949)	204719	42.5042	42
	61 Isopropyl Acetate	43	5.173	5.168	(0.956)	518538	31.6670	32
	50 t-Amyl-methyl-ether	73	5.184	5.184	(0.958)	299152	17.4077	17
	49 1,2-Dichloroethane	62	5.211	5.211	(0.963)	128642	16.9062	17
	51 n-Heptane	57	5.270	5.270	(0.974)	49778	18.5611	18
*	52 Fluorobenzene	96	5.409	5.409	(1.000)	890606	50.0000	
	166 2,4,4-Trimethyl-1-pentene	112	5.628	5.628	(1.041)	41891	31.9248	32
	54 Trichloroethene	95	5.762	5.762	(1.065)	97350	18.8981	19
	55 Ethyl Acrylate	73	5.874	5.874	(1.086)	9528	18.4770	18
	56 Methyl cyclohexane	83	5.896	5.896	(1.090)	142073	20.5212	20
	57 1,2-Dichloropropane	63	6.051	6.051	(1.119)	95314	16.3098	16
	59 Methyl Methacrylate	100	6.126	6.126	(1.133)	26710	19.1285	19
	75 Propyl Acetate	43	6.179	6.174	(1.142)	134125	15.0127	15
	60 1,4-Dioxane	88	6.163	6.163	(1.139)	9107	142.717	140
	58 Dibromomethane	93	6.185	6.179	(1.143)	63934	18.3710	18
	68 Bromodichloromethane	83	6.334	6.329	(1.171)	122008	17.6971	18
	63 Epichlorohydrin	57	6.778	6.773	(0.764)	113447	178.798	180(R)
	67 cis-1,3-Dichloropropene	75	6.832	6.832	(0.770)	150646	15.8151	16(R)
	70 4-Methyl-2-Pentanone	43	6.998	6.998	(0.788)	105991	15.8341	16

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09243.d
Report Date: 07-Feb-2013 00:58

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$	65 Toluene-d8 (SUR)	98	7.083	7.083	(0.798)	597224	43.4345	43
	66 Toluene	91	7.164	7.158	(0.807)	410233	18.5448	18
	64 trans-1,3-Dichloropropene	75	7.506	7.506	(0.846)	134433	15.8579	16
	175 Ethyl methacrylate	69	7.533	7.533	(1.393)	133778	17.9778	18
	69 1,1,2-Trichloroethane	83	7.720	7.720	(0.870)	71462	16.2741	16
	71 Tetrachloroethene	166	7.773	7.768	(0.876)	96661	20.9827	21
	72 1,3-Dichloropropane	76	7.934	7.934	(0.894)	137529	16.4291	16
	73 2-Hexanone	43	7.998	7.993	(0.901)	69581	15.7442	16
	76 Butyl Acetate	73	8.110	8.105	(0.914)	46682	32.7204	33
	74 Dibromochloromethane	129	8.164	8.164	(0.920)	83667	17.5151	18
	77 1,2-Dibromoethane	107	8.324	8.324	(0.938)	90854	18.3223	18
*	78 Chlorobenzene-d5	117	8.875	8.870	(1.000)	639127	50.0000	
	79 Chlorobenzene	112	8.908	8.908	(1.004)	420137	30.3690	30(R)
	81 Ethylbenzene	106	9.015	9.009	(1.016)	139104	18.9609	19
	80 1,1,1,2-Tetrachloroethane	131	9.031	9.031	(1.017)	88880	17.7781	18
	82 m+p-Xylene	106	9.164	9.164	(1.033)	340187	37.4609	37
	83 Butyl Acrylate	73	9.587	9.587	(1.080)	85035	17.7019	18
	84 o-Xylene	106	9.603	9.603	(1.082)	177381	18.5132	18
	85 Styrene	104	9.635	9.630	(1.086)	288926	18.0128	18
	87 Amyl Acetate	43	9.806	9.806	(0.893)	199857	15.2681	15
	86 Bromoform	173	9.833	9.828	(1.108)	54169	17.9924	18
	88 Isopropylbenzene	105	9.945	9.940	(1.121)	442887	19.2774	19
$	89 Bromofluorobenzene (SUR)	174	10.122	10.117	(0.922)	245420	48.1002	48
	92 1,1,2,2-Tetrachloroethane	83	10.266	10.266	(0.935)	124508	17.5510	18
	91 Bromobenzene	156	10.234	10.234	(0.932)	114875	19.4444	19
	95 n-Propylbenzene	91	10.293	10.293	(0.937)	518069	18.4809	18
	94 trans-1,4-Dichloro-2-butene	53	10.325	10.325	(0.940)	26190	13.3199	13(R)
	93 1,2,3-Trichloropropane	110	10.309	10.309	(0.939)	32213	18.1424	18
	96 2-Chlorotoluene	91	10.384	10.384	(0.945)	356020	17.8010	18
	97 1,3,5-Trimethylbenzene	105	10.443	10.443	(0.951)	355756	18.4373	18
	99 Butyl Methacrylate	87	10.518	10.512	(0.958)	144367	17.0973	17
	98 4-Chlorotoluene	91	10.475	10.475	(0.954)	316059	17.6715	18
	100 tert-Butylbenzene	119	10.673	10.673	(0.972)	271581	18.7601	19
	101 1,2,4-Trimethylbenzene	105	10.721	10.716	(0.976)	368598	18.1527	18
	102 2-Octanone	43	10.807	10.807	(0.984)	207059	20.8353	21
	103 sec-Butylbenzene	105	10.828	10.828	(0.986)	417032	18.8566	19
	107 p-Isopropyltoluene	119	10.930	10.930	(0.995)	354978	18.9473	19
	105 1,3-Dichlorobenzene	146	10.935	10.935	(0.996)	217794	20.1107	20
*	108 1,4-Dichlorobenzene-d4	152	10.983	10.983	(1.000)	345936	50.0000	
	109 1,4-Dichlorobenzene	146	10.999	10.999	(1.001)	308888	27.2610	27(R)
	110 Benzyl Chloride	91	11.096	11.096	(1.010)	224779	15.1975	15
	187 1,4-Diethylbenzene	119	11.181	11.176	(2.067)	210280	19.1784	19
	171 Indan	117	11.144	11.144	(2.060)	406147	19.8418	20
	106 n-Butylbenzene	91	11.197	11.192	(1.019)	390376	18.0747	18
	111 1,2-Dichlorobenzene	146	11.245	11.240	(1.024)	260346	23.1461	23
	112 1,2-Dibromo-3-chloropropane	75	11.721	11.721	(1.067)	23112	16.3762	16
	186 1,2,4,5-Tetramethylbenzene	119	11.647	11.647	(2.153)	340778	18.5714	18

Data File: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b/k09243.d
Report Date: 07-Feb-2013 00:58

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	114 1,2,4-Trichlorobenzene	180	12.203	12.203	(1.111)	147624	19.5280	20
	115 Hexachlorobutadiene	225	12.267	12.267	(1.117)	50859	20.3988	20
	116 Naphthalene	128	12.374	12.374	(1.127)	437405	19.6247	20
	117 1,2,3-Trichlorobenzene	180	12.535	12.535	(1.141)	144914	20.0111	20
M	120 1,2-Dichloroethene (Total)	100				200809	36.9896	37
M	121 Xylene (Total)	100				517568	55.9742	56

QC Flag Legend

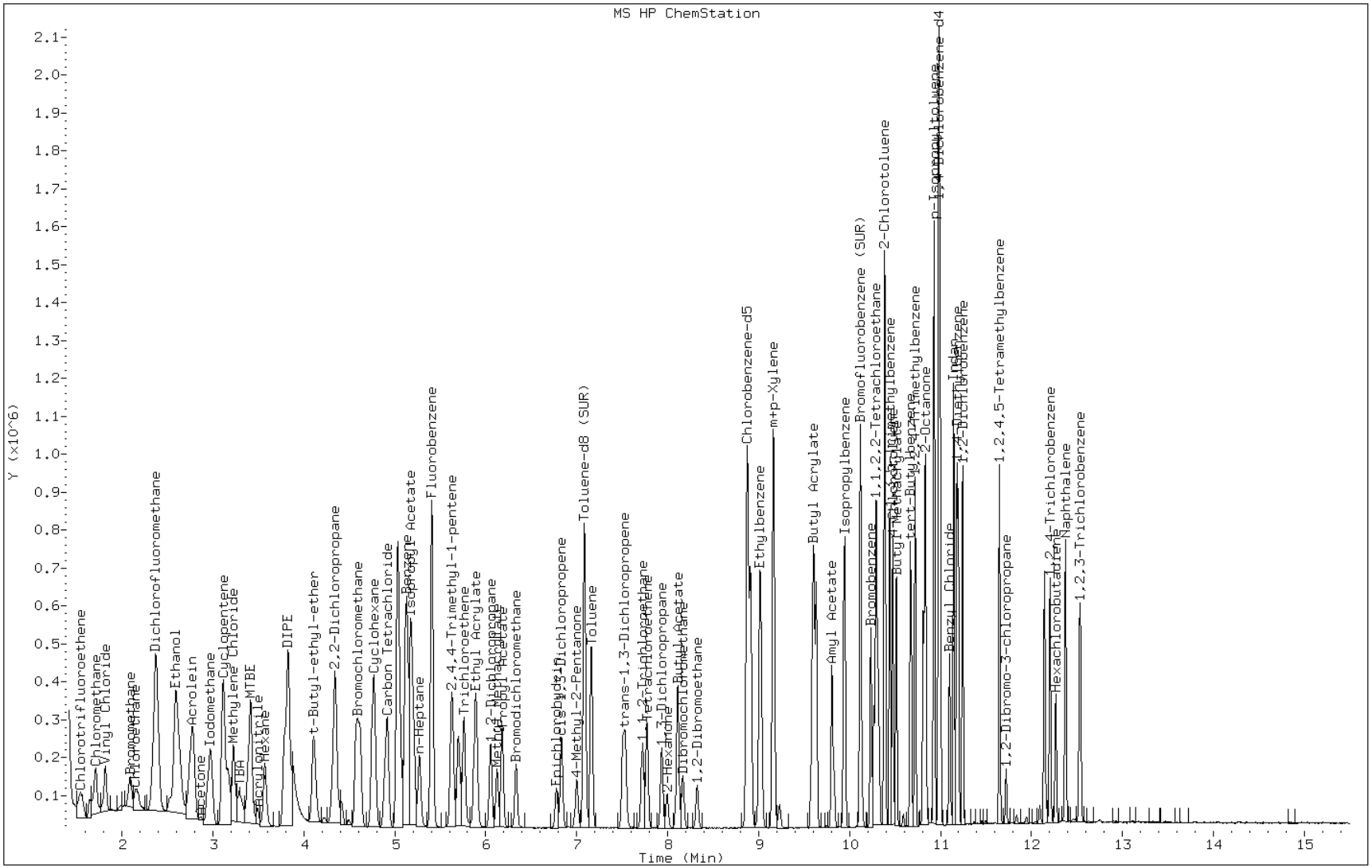
R - Spike/Surrogate failed recovery limits.

Data File: k09243.d

Date: 06-FEB-2013 15:19

Client ID: MW-1 Instrument: VOAMS9.i

Sample Info: 460-50248-A-2 MSD Operator:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Instrument ID: VOAMS9 Start Date: 01/25/2013 18:49

Analysis Batch Number: 144896 End Date: 01/26/2013 05:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-144896/1		01/25/2013 18:49	1	k08896.d	DB-624 0.53(mm)
IC 460-144896/2		01/25/2013 19:36	1	k08898.d	DB-624 0.53(mm)
IC 460-144896/3		01/25/2013 19:59	1	k08899.d	DB-624 0.53(mm)
ICIS 460-144896/4		01/25/2013 20:23	1	k08900.d	DB-624 0.53(mm)
IC 460-144896/5		01/25/2013 20:46	1	k08901.d	DB-624 0.53(mm)
IC 460-144896/6		01/25/2013 21:10	1	k08902.d	DB-624 0.53(mm)
IC 460-144896/7		01/25/2013 21:33	1	k08903.d	DB-624 0.53(mm)
ZZZZZ		01/25/2013 23:38	1		DB-624 0.53(mm)
ZZZZZ		01/26/2013 00:02	1		DB-624 0.53(mm)
ZZZZZ		01/26/2013 01:12	1		DB-624 0.53(mm)
ZZZZZ		01/26/2013 01:36	1		DB-624 0.53(mm)
ZZZZZ		01/26/2013 01:59	1		DB-624 0.53(mm)
ZZZZZ		01/26/2013 02:23	1		DB-624 0.53(mm)
ZZZZZ		01/26/2013 02:47	1		DB-624 0.53(mm)
ZZZZZ		01/26/2013 03:10	1		DB-624 0.53(mm)
ZZZZZ		01/26/2013 03:34	1		DB-624 0.53(mm)
ZZZZZ		01/26/2013 03:57	1		DB-624 0.53(mm)
ZZZZZ		01/26/2013 04:20	1		DB-624 0.53(mm)
ZZZZZ		01/26/2013 04:44	2		DB-624 0.53(mm)
ZZZZZ		01/26/2013 05:07	10		DB-624 0.53(mm)
ZZZZZ		01/26/2013 05:31	10		DB-624 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Instrument ID: VOAMS9 Start Date: 02/06/2013 06:57

Analysis Batch Number: 146197 End Date: 02/06/2013 18:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-146197/1		02/06/2013 06:57	1	k09228.d	DB-624 0.53(mm)
CCVIS 460-146197/2		02/06/2013 07:58	1	k09230.d	DB-624 0.53(mm)
LCS 460-146197/3		02/06/2013 08:32	1	k09231.d	DB-624 0.53(mm)
MB 460-146197/4		02/06/2013 10:49	1	k09234.d	DB-624 0.53(mm)
460-50248-7	TRIP BLANK	02/06/2013 12:10	1	k09235.d	DB-624 0.53(mm)
460-50248-1	MW-7F	02/06/2013 12:34	1	k09236.d	DB-624 0.53(mm)
460-50248-2	MW-1	02/06/2013 12:58	1	k09237.d	DB-624 0.53(mm)
460-50248-3	MW-3	02/06/2013 13:22	1	k09238.d	DB-624 0.53(mm)
460-50248-4	MW-2	02/06/2013 13:45	1	k09239.d	DB-624 0.53(mm)
460-50248-5	MW-2D	02/06/2013 14:09	1	k09240.d	DB-624 0.53(mm)
460-50248-6	MW-7	02/06/2013 14:32	1	k09241.d	DB-624 0.53(mm)
460-50248-2 MS	MW-1 MS	02/06/2013 14:56	1	k09242.d	DB-624 0.53(mm)
460-50248-2 MSD	MW-1 MSD	02/06/2013 15:19	1	k09243.d	DB-624 0.53(mm)
ZZZZZ		02/06/2013 16:30	1		DB-624 0.53(mm)
ZZZZZ		02/06/2013 16:53	1		DB-624 0.53(mm)
ZZZZZ		02/06/2013 17:17	1		DB-624 0.53(mm)
ZZZZZ		02/06/2013 17:41	1		DB-624 0.53(mm)
ZZZZZ		02/06/2013 18:04	1		DB-624 0.53(mm)

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS9.i

Analytical Batch: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b

Date Generated: 01/28/2013

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Date	Data File	ALS	Sample ID	Client ID	IV/ IW	FV	Dil Fac	Sublist	PH	STD LOT	COMMENTS
01/25/13 1849	k08896.d	2	BFB		0	0	1	all		8260 HIGH	6
01/25/13 1912	k08897.d	2	IC-VMCAL1		5	0	1	all		8260 IS: 1938464 SURR 500:	Not used.
01/25/13 1936	k08898.d	3	IC-VMCAL1		5	0	1	all		SURR 250: 1889535 GAS 500:	6
01/25/13 1959	k08899.d	4	IC-VMCAL2		5	0	1	all		1962557 MIX 1 500: 1926774	6
01/25/13 2023	k08900.d	5	ICIS-VMCAL3		5	0	1	all		MIX 2 500: 1926782 MIX 3: 1923463	6
01/25/13 2046	k08901.d	6	IC-VMCAL4		5	0	1	all		AC/AC: 1926777 GAS SP: 1962552	6
01/25/13 2110	k08902.d	7	IC-VMCAL5		5	0	1	all		8260 SP: 1923468 MIX 3 SP:	6
01/25/13 2133	k08903.d	8	IC-VMCAL6		5	0	1	all		1923464 AC/AC SP: 1926778 MISC: BFB	6
01/25/13 2157	k08904.d	9	BLK		5	0	1	all		185393T MeOH	cleanup
01/25/13 2220	k08905.d	10	BLK		5	0	1	all		123279	
01/25/13 2314	k08906.d	11	BLK		5	0	1	all		1923465 1923466 1965509	
01/25/13 2338	k08907.d	12	ICV		5	0	1	all		~~1965508~~ 1965507	
01/26/13 0002	k08908.d	13	LCS		5	0	1	all		~~1926756~~	6
01/26/13 0025	k08909.d	1	MB		5	0	1	all			6
											NG. clo

ICV Std

Dilution: 2x - 25mL → 50mL F.V.

10x - 5mL → ↓

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS9.i

Analytical Batch: /chem/VOAMS9.i/8260_09/01-25-13/25jan13.b

Date Generated: 01/28/2013

Date	Data File	ALS	Sample ID	Client ID	IV/ IW	FV	Dil Fac	Sublist	PH	STD LOT	COMMENTS
01/26/13 0049	k08910.d	2	MB		5	0	1	all			NG-clo
01/26/13 0112	k08911.d	3	MB		5	0	1	all			G
01/26/13 0136	k08912.d	4	460-49581-D-2	TB 20130115	5	0	1	all	<2		G
01/26/13 0159	k08913.d	5	460-49881-A-3	Trip Blank	5	0	1	all	<2		G
01/26/13 0223	k08914.d	6	460-49881-A-2	Field Blank	5	0	1	all	<2		G
01/26/13 0247	k08915.d	7	460-49837-A-1	13WP-10A	5	0	1	all	<2		G
01/26/13 0310	k08916.d	8	460-49837-A-2	13WP-11A	5	0	1	all	<2		G
01/26/13 0334	k08917.d	9	460-49837-A-3	13WP-8A	5	0	1	all	<2		G
01/26/13 0357	k08918.d	10	460-49837-A-4	13WP-7A	5	0	1	all	<2		G
01/26/13 0420	k08919.d	11	460-49837-A-5	13WP-4A	5	0	1	all	<2		G
01/26/13 0444	k08920.d	12	460-49581-D-1	20130115MW-02V10N	5	0	2	all	<2		G
01/26/13 0507	k08921.d	13	460-49837-C-1 MS		5	0	10	all	<2		G
01/26/13 0531	k08922.d	14	460-49837-C-1 MSD		5	0	10	all	<2		G

Signed: Saurath Desai for Kenny Read and Understood by: Saurath Desai

Date: 01/28/13 Date: 01/28/13

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS9.i

Analytical Batch: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b

Date Generated: 02/06/2013

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Date	Data File	ALS	Sample ID	Client ID	IV/ IW	FV	Dil Fac	Sublist	PH	STD LOT	COMMENTS
02/06/13 0657	k09228.d	2	BFB		0	0	1	all		8260 HIGH	
02/06/13 0721	k09229.d	1	PRIMER		5	0	1	all		8260 IS: 1979649 SURR 500:	G
02/06/13 0758	k09230.d	2	CCVIS		5	0	1	all		SURR 250: 1979650 GAS 500:	NU.
02/06/13 0832	k09231.d	3	LCS		5	0	1	all		1978600 MIX 1 500:	G
02/06/13 0911	k09232.d	4	MB		5	0	1	all		1981159 MIX 2 500: 1981167 MIX 3: 1981160 AC/AC:	G
02/06/13 1025	k09233.d	5	MB		5	0	1	all		1981162 GAS SP:	NU.
02/06/13 1049	k09234.d	6	MB		5	0	1	all		1978601 8260 SP: 1979753 MIX 3 SP: 1981161 AC/AC SP: 1981163 MISC:	NU.
02/06/13 1210	k09235.d	7	460-50248-A-7	TRIP BLANK	5	0	1	all	<2	1981164	G
02/06/13 1234	k09236.d	8	460-50248-A-1	MW-7F	5	0	1	all	<2	1981165	G
02/06/13 1258	k09237.d	9	460-50248-A-2	MW-1	5	0	1	all	<2	MEOH 123279	G
02/06/13 1322	k09238.d	10	460-50248-A-3	MW-3	5	0	1	all	<2		G
02/06/13 1345	k09239.d	11	460-50248-A-4	MW-2	5	0	1	all	<2		G
02/06/13 1409	k09240.d	12	460-50248-A-5	MW-2D	5	0	1	all	<2		G
02/06/13 1432	k09241.d	13	460-50248-A-6	MW-7	5	0	1	all	<2		G

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS9.i

Analytical Batch: /chem/VOAMS9.i/8260_09/01-25-13/06feb13.b

Date Generated: 02/06/2013

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Date	Data File	ALS	Sample ID	Client ID	IV/ IW	FV	Dil Fac	Sublist	PH	STD LOT	COMMENTS
02/06/13 1456	k09242.d	14	460-50248-A-2 MS	MW-1	5	0	1	all	<2		G
02/06/13 1519	k09243.d	15	460-50248-A-2 MSD	MW-1	5	0	1	all	<2		G
02/06/13 1543	k09244.d	16	BLANK		5	0	1	all			NU.
02/06/13 1606	k09245.d	17	BLANK		5	0	1	all			NU.
02/06/13 1630	k09246.d	18	460-50312-A-10	TB_2.4.13	5	0	1	all	<2		G
02/06/13 1653	k09247.d	19	460-50312-A-11	FB_2.4.13	5	0	1	all	<2		G
02/06/13 1717	k09248.d	20	460-50335-A-4	Trip Blank	5	0	1	all	<2		G
02/06/13 1741	k09249.d	21	460-50181-A-1	Trip Blank	5	0	1	all	<2		G
02/06/13 1804	k09250.d	22	460-50181-A-3	RBGW_013113	5	0	1	all	<2		G
02/06/13 1828	k09251.d	23	460-50181-A-2	MW-505R	5	0	1	all	<2		RR IX C/O
02/06/13 1851	k09252.d	24	460-50181-A-4	FDGW_013113	5	0	1	all	<2		RR IX C/O
02/06/13 1915	k09253.d	25	460-50335-A-1	CE-MW-43R3-020413	5	0	1	all	<2		NG PAST CLOCK
02/06/13 1938	k09254.d	26	460-50335-A-2	CE-MW-41R2-020413	5	0	1	all	<2		NG PAST CLOCK

Signed: KB FOR SAURABH DESAI Read and Understood by: Ken Baskin

Date: 2/10/13 Date: 2/6/13

Method 8270C

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

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
MW-7F	460-50248-1	59	39	107	94	88	99
MW-1	460-50248-2	33	18	98	90	88	86
MW-3	460-50248-3	51	29	101	92	81	68
MW-2	460-50248-4	52	31	106	97	88	68
MW-2D	460-50248-5	47	27	106	99	84	71
MW-7	460-50248-6	31	18	73	71	63	69
	MB 460-146006/1-A	59	37	101	91	64	102
	MB 460-146378/1-A	36	21	80	75	71	75
	LCS 460-146006/2-A	47	28	89	85	73	85
	LCS 460-146378/2-A	33	19	71	67	70	69
MW-1 MS	460-50248-2 MS	44	26	94	89	79	79
MW-1 MSD	460-50248-2 MSD	53	33	91	87	80	78

	QC LIMITS
2FP = 2-Fluorophenol	10-65
PHL = Phenol-d5	10-48
NBZ = Nitrobenzene-d5	56-112
FBP = 2-Fluorobiphenyl	53-108
TBP = 2,4,6-Tribromophenol	46-122
TPH = Terphenyl-d14	50-122

Column to be used to flag recovery values

FORM II 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Matrix: Water Level: Low Lab File ID: z18129.d

Lab ID: LCS 460-146006/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Phenol	100	33.6	34	12-44	
2-Chlorophenol	100	84.2	84	53-101	
2-Methylphenol	100	68.4	68	40-90	
4-Methylphenol	100	60.8	61	30-75	
Benzaldehyde	100	171	171	52-150	*
Acetophenone	100	90.0	90	68-109	
Bis(2-chloroethyl)ether	100	95.5	96	62-108	
2,2'-oxybis[1-chloropropane]	100	106	106	68-107	
N-Nitrosodi-n-propylamine	100	99.8	100	70-109	
Nitrobenzene	100	89.6	90	66-106	
Hexachloroethane	100	84.3	84	50-99	
Isophorone	100	89.3	89	68-108	
2-Nitrophenol	100	94.4	94	65-107	
2,4-Dimethylphenol	100	79.4	79	55-100	
2,4-Dichlorophenol	100	87.0	87	64-107	
Bis(2-chloroethoxy)methane	100	97.3	97	69-108	
Naphthalene	100	86.6	87	63-101	
4-Chloroaniline	100	78.8	79	58-105	
Hexachlorobutadiene	100	78.4	78	52-99	
Caprolactam	100	20.6	21	10-30	
4-Chloro-3-methylphenol	100	76.4	76	57-106	
2-Methylnaphthalene	100	85.0	85	66-102	
Hexachlorobenzene	100	95.4	95	65-107	
Hexachlorocyclopentadiene	100	55.7	56	40-105	
2,4,6-Trichlorophenol	100	90.2	90	67-111	
2,4,5-Trichlorophenol	100	85.0	85	67-114	
Diphenyl	100	89.4	89	66-112	
2-Chloronaphthalene	100	90.8	91	65-107	
2-Nitroaniline	100	85.4	85	73-116	
2,6-Dinitrotoluene	100	89.2	89	68-114	
Dimethyl phthalate	100	93.8	94	69-111	
Acenaphthylene	100	88.4	88	67-107	
3-Nitroaniline	100	79.1	79	59-108	
Acenaphthene	100	90.4	90	66-108	
4-Nitrophenol	100	17.0 J	17	10-44	
2,4-Dinitrophenol	100	48.7	49	19-113	
Dibenzofuran	100	87.1	87	68-105	
Diethyl phthalate	100	90.6	91	66-109	
Fluorene	100	85.2	85	68-105	
Fluoranthene	100	84.0	84	68-108	
Di-n-butyl phthalate	100	96.9	97	68-111	
2,4-Dinitrotoluene	100	81.9	82	65-113	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Matrix: Water Level: Low Lab File ID: z18129.d

Lab ID: LCS 460-146006/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
4-Chlorophenyl phenyl ether	100	86.8	87	68-105	
4-Nitroaniline	100	69.3	69	49-119	
4,6-Dinitro-2-methylphenol	100	81.9	82	58-115	
4-Bromophenyl phenyl ether	100	98.2	98	66-110	
Atrazine	100	69.3	69	56-116	
Anthracene	100	89.5	89	68-108	
Carbazole	100	81.4	81	67-110	
Phenanthrene	100	90.3	90	68-110	
Pentachlorophenol	100	70.0	70	55-116	
Pyrene	100	88.8	89	61-110	
Chrysene	100	95.0	95	68-112	
Benzo[k]fluoranthene	100	89.6	90	66-114	
Benzo[g,h,i]perylene	100	114	114	65-134	
Benzo[b]fluoranthene	100	80.2	80	65-111	
Benzo[a]pyrene	100	89.8	90	58-101	
Benzo[a]anthracene	100	88.2	88	65-106	
N-Nitrosodiphenylamine	100	101	101	71-121	
Butyl benzyl phthalate	100	95.7	96	66-115	
Bis(2-ethylhexyl) phthalate	100	98.6	99	66-114	
Di-n-octyl phthalate	100	76.1	76	51-115	
Indeno[1,2,3-cd]pyrene	100	91.5	91	68-121	
Dibenz(a,h)anthracene	100	105	105	67-124	
3,3'-Dichlorobenzidine	100	114	114	69-129	
1,2,4,5-Tetrachlorobenzene	100	81.3	81	70-130	
2,3,4,6-Tetrachlorophenol	100	76.7	77	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Matrix: Water Level: Low Lab File ID: z18186.d

Lab ID: LCS 460-146378/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Phenol	100	22.8	23	12-44	
2-Chlorophenol	100	68.7	69	53-101	
2-Methylphenol	100	54.6	55	40-90	
4-Methylphenol	100	46.8	47	30-75	
Benzaldehyde	100	126	126	52-150	
Acetophenone	100	72.0	72	68-109	
Bis(2-chloroethyl)ether	100	78.3	78	62-108	
2,2'-oxybis[1-chloropropane]	100	84.1	84	68-107	
N-Nitrosodi-n-propylamine	100	79.2	79	70-109	
Nitrobenzene	100	71.2	71	66-106	
Hexachloroethane	100	70.9	71	50-99	
Isophorone	100	73.5	73	68-108	
2-Nitrophenol	100	75.3	75	65-107	
2,4-Dimethylphenol	100	68.3	68	55-100	
2,4-Dichlorophenol	100	75.0	75	64-107	
Bis(2-chloroethoxy)methane	100	76.2	76	69-108	
Naphthalene	100	70.4	70	63-101	
4-Chloroaniline	100	67.0	67	58-105	
Hexachlorobutadiene	100	65.9	66	52-99	
Caprolactam	100	11.8	12	10-30	
4-Chloro-3-methylphenol	100	69.8	70	57-106	
2-Methylnaphthalene	100	70.4	70	66-102	
Hexachlorobenzene	100	71.1	71	65-107	
Hexachlorocyclopentadiene	100	54.0	54	40-105	
2,4,6-Trichlorophenol	100	73.8	74	67-111	
2,4,5-Trichlorophenol	100	76.4	76	67-114	
Diphenyl	100	68.7	69	66-112	
2-Chloronaphthalene	100	71.2	71	65-107	
2-Nitroaniline	100	70.2	70	73-116	*
2,6-Dinitrotoluene	100	74.6	75	68-114	
Dimethyl phthalate	100	76.3	76	69-111	
Acenaphthylene	100	72.0	72	67-107	
3-Nitroaniline	100	72.5	73	59-108	
Acenaphthene	100	72.0	72	66-108	
4-Nitrophenol	100	16.9 J	17	10-44	
2,4-Dinitrophenol	100	47.3	47	19-113	
Dibenzofuran	100	70.1	70	68-105	
Diethyl phthalate	100	77.0	77	66-109	
Fluorene	100	71.5	71	68-105	
Fluoranthene	100	72.0	72	68-108	
Di-n-butyl phthalate	100	77.1	77	68-111	
2,4-Dinitrotoluene	100	72.1	72	65-113	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Matrix: Water Level: Low Lab File ID: z18186.d

Lab ID: LCS 460-146378/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
4-Chlorophenyl phenyl ether	100	72.3	72	68-105	
4-Nitroaniline	100	70.5	71	49-119	
4,6-Dinitro-2-methylphenol	100	69.0	69	58-115	
4-Bromophenyl phenyl ether	100	73.5	74	66-110	
Atrazine	100	64.3	64	56-116	
Anthracene	100	71.9	72	68-108	
Carbazole	100	73.5	74	67-110	
Phenanthrene	100	72.4	72	68-110	
Pentachlorophenol	100	69.6	70	55-116	
Pyrene	100	71.1	71	61-110	
Chrysene	100	77.6	78	68-112	
Benzo[k]fluoranthene	100	66.7	67	66-114	
Benzo[g,h,i]perylene	100	85.1	85	65-134	
Benzo[b]fluoranthene	100	69.4	69	65-111	
Benzo[a]pyrene	100	73.5	74	58-101	
Benzo[a]anthracene	100	71.9	72	65-106	
N-Nitrosodiphenylamine	100	78.3	78	71-121	
Butyl benzyl phthalate	100	76.1	76	66-115	
Bis(2-ethylhexyl) phthalate	100	74.6	75	66-114	
Di-n-octyl phthalate	100	60.8	61	51-115	
Indeno[1,2,3-cd]pyrene	100	76.8	77	68-121	
Dibenz(a,h)anthracene	100	80.4	80	67-124	
3,3'-Dichlorobenzidine	100	89.1	89	69-129	
1,2,4,5-Tetrachlorobenzene	100	62.2	62	70-130	*
2,3,4,6-Tetrachlorophenol	100	70.2	70	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Matrix: Water Level: Low Lab File ID: z18131.d

Lab ID: 460-50248-2 MS Client ID: MW-1 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Phenol	100	10 U	31.5	32	12-44	
2-Chlorophenol	100	10 U	85.1	85	53-101	
2-Methylphenol	100	10 U	68.0	68	40-90	
4-Methylphenol	100	10 U	59.5	59	30-75	
Benzaldehyde	100	10 U	169	169	52-150	*
Acetophenone	100	10 U	93.0	93	68-109	
Bis(2-chloroethyl)ether	100	1.0 U	97.1	97	62-108	
2,2'-oxybis[1-chloropropane]	100	10 U	110	110	68-107	*
N-Nitrosodi-n-propylamine	100	1.0 U	103	103	70-109	
Nitrobenzene	100	1.0 U	93.2	93	66-106	
Hexachloroethane	100	1.0 U	89.7	90	50-99	
Isophorone	100	10 U	92.9	93	68-108	
2-Nitrophenol	100	10 U	98.3	98	65-107	
2,4-Dimethylphenol	100	10 U	88.8	89	55-100	
2,4-Dichlorophenol	100	10 U	89.8	90	64-107	
Bis(2-chloroethoxy)methane	100	10 U	103	103	69-108	
Naphthalene	100	10 U	91.2	91	63-101	
4-Chloroaniline	100	10 U	79.6	80	58-105	
Hexachlorobutadiene	100	2.0 U	84.1	84	52-99	
Caprolactam	100	10 U	18.8	19	10-30	
4-Chloro-3-methylphenol	100	10 U	79.7	80	57-106	
2-Methylnaphthalene	100	10 U	90.7	91	66-102	
Hexachlorobenzene	100	1.0 U	100	100	65-107	
Hexachlorocyclopentadiene	100	10 U	60.1	60	40-105	
2,4,6-Trichlorophenol	100	10 U	94.0	94	67-111	
2,4,5-Trichlorophenol	100	10 U	90.0	90	67-114	
Diphenyl	100	10 U	93.2	93	66-112	
2-Chloronaphthalene	100	10 U	94.5	95	65-107	
2-Nitroaniline	100	20 U	86.5	86	73-116	
2,6-Dinitrotoluene	100	2.0 U	94.5	95	68-114	
Dimethyl phthalate	100	10 U	97.6	98	69-111	
Acenaphthylene	100	10 U	92.4	92	67-107	
3-Nitroaniline	100	20 U	76.5	76	59-108	
Acenaphthene	100	10 U	93.5	93	66-108	
4-Nitrophenol	100	30 U	17.7 J	18	10-44	
2,4-Dinitrophenol	100	30 U	68.9	69	19-113	
Dibenzofuran	100	10 U	91.2	91	68-105	
Diethyl phthalate	100	10 U	95.2	95	66-109	
Fluorene	100	10 U	88.0	88	68-105	
Fluoranthene	100	10 U	86.9	87	68-108	
Di-n-butyl phthalate	100	10 U	99.1	99	68-111	
2,4-Dinitrotoluene	100	2.0 U	86.6	87	65-113	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Matrix: Water Level: Low Lab File ID: z18131.d

Lab ID: 460-50248-2 MS Client ID: MW-1 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
4-Chlorophenyl phenyl ether	100	10 U	88.8	89	68-105	
4-Nitroaniline	100	20 U	69.5	70	49-119	
4,6-Dinitro-2-methylphenol	100	30 U	101	101	58-115	
4-Bromophenyl phenyl ether	100	10 U	103	103	66-110	
Atrazine	100	10 U	61.9	62	56-116	
Anthracene	100	10 U	92.0	92	68-108	
Carbazole	100	10 U	83.7	84	67-110	
Phenanthrene	100	10 U	96.0	96	68-110	
Pentachlorophenol	100	30 U	89.0	89	55-116	
Pyrene	100	10 U	91.2	91	61-110	
Chrysene	100	10 U	97.5	98	68-112	
Benzo[k]fluoranthene	100	0.64 J	93.5	93	66-114	
Benzo[g,h,i]perylene	100	2.2 J	124	122	65-134	
Benzo[b]fluoranthene	100	0.74 J	84.0	83	65-111	
Benzo[a]pyrene	100	0.88 J	95.7	95	58-101	
Benzo[a]anthracene	100	1.0 U	92.5	93	65-106	
N-Nitrosodiphenylamine	100	10 U	109	109	71-121	
Butyl benzyl phthalate	100	10 U	98.1	98	66-115	
Bis(2-ethylhexyl) phthalate	100	10 U	101	101	66-114	
Di-n-octyl phthalate	100	10 U	81.0	81	51-115	
Indeno[1,2,3-cd]pyrene	100	1.4	108	107	68-121	
Dibenz(a,h)anthracene	100	1.6	115	113	67-124	
3,3'-Dichlorobenzidine	100	20 U	70.1	70	69-129	
1,2,4,5-Tetrachlorobenzene	100	10 U	85.2	85	70-130	
2,3,4,6-Tetrachlorophenol	100	10 U	80.8	81	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Matrix: Water Level: Low Lab File ID: z18132.d

Lab ID: 460-50248-2 MSD Client ID: MW-1 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Phenol	100	38.1	38	19	30	12-44	
2-Chlorophenol	100	88.8	89	4	30	53-101	
2-Methylphenol	100	75.1	75	10	30	40-90	
4-Methylphenol	100	67.7	68	13	30	30-75	
Benzaldehyde	100	159	159	6	30	52-150	*
Acetophenone	100	93.0	93	0	30	68-109	
Bis(2-chloroethyl)ether	100	98.2	98	1	30	62-108	
2,2'-oxybis[1-chloropropane]	100	110	110	0	30	68-107	*
N-Nitrosodi-n-propylamine	100	104	104	1	30	70-109	
Nitrobenzene	100	90.4	90	3	30	66-106	
Hexachloroethane	100	90.0	90	0	30	50-99	
Isophorone	100	92.0	92	1	30	68-108	
2-Nitrophenol	100	98.5	99	0	30	65-107	
2,4-Dimethylphenol	100	89.5	89	1	30	55-100	
2,4-Dichlorophenol	100	90.5	91	1	30	64-107	
Bis(2-chloroethoxy)methane	100	100	100	2	30	69-108	
Naphthalene	100	89.0	89	2	30	63-101	
4-Chloroaniline	100	74.5	75	7	30	58-105	
Hexachlorobutadiene	100	82.6	83	2	30	52-99	
Caprolactam	100	23.2	23	21	30	10-30	
4-Chloro-3-methylphenol	100	83.7	84	5	30	57-106	
2-Methylnaphthalene	100	89.9	90	1	30	66-102	
Hexachlorobenzene	100	96.3	96	4	30	65-107	
Hexachlorocyclopentadiene	100	62.5	63	4	30	40-105	
2,4,6-Trichlorophenol	100	92.5	92	2	30	67-111	
2,4,5-Trichlorophenol	100	89.4	89	1	30	67-114	
Diphenyl	100	90.8	91	3	30	66-112	
2-Chloronaphthalene	100	92.2	92	2	30	65-107	
2-Nitroaniline	100	86.6	87	0	30	73-116	
2,6-Dinitrotoluene	100	95.4	95	1	30	68-114	
Dimethyl phthalate	100	98.7	99	1	30	69-111	
Acenaphthylene	100	91.3	91	1	30	67-107	
3-Nitroaniline	100	78.6	79	3	30	59-108	
Acenaphthene	100	93.6	94	0	30	66-108	
4-Nitrophenol	100	25.2 J	25	35	30	10-44	*
2,4-Dinitrophenol	100	76.0	76	10	30	19-113	
Dibenzofuran	100	90.2	90	1	30	68-105	
Diethyl phthalate	100	95.6	96	0	30	66-109	
Fluorene	100	88.5	88	1	30	68-105	
Fluoranthene	100	84.6	85	3	30	68-108	
Di-n-butyl phthalate	100	97.4	97	2	30	68-111	
2,4-Dinitrotoluene	100	88.9	89	3	30	65-113	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Matrix: Water Level: Low Lab File ID: z18132.d

Lab ID: 460-50248-2 MSD Client ID: MW-1 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
4-Chlorophenyl phenyl ether	100	89.7	90	1	30	68-105	
4-Nitroaniline	100	74.0	74	6	30	49-119	
4,6-Dinitro-2-methylphenol	100	101	101	1	30	58-115	
4-Bromophenyl phenyl ether	100	98.5	98	4	30	66-110	
Atrazine	100	61.2	61	1	30	56-116	
Anthracene	100	89.2	89	3	30	68-108	
Carbazole	100	82.2	82	2	30	67-110	
Phenanthrene	100	93.0	93	3	30	68-110	
Pentachlorophenol	100	90.7	91	2	30	55-116	
Pyrene	100	88.3	88	3	30	61-110	
Chrysene	100	95.0	95	3	30	68-112	
Benzo[k]fluoranthene	100	86.3	86	8	30	66-114	
Benzo[g,h,i]perylene	100	112	110	10	30	65-134	
Benzo[b]fluoranthene	100	87.3	87	4	30	65-111	
Benzo[a]pyrene	100	92.2	91	4	30	58-101	
Benzo[a]anthracene	100	90.2	90	3	30	65-106	
N-Nitrosodiphenylamine	100	104	104	4	30	71-121	
Butyl benzyl phthalate	100	96.0	96	2	30	66-115	
Bis(2-ethylhexyl) phthalate	100	99.1	99	2	30	66-114	
Di-n-octyl phthalate	100	82.9	83	2	30	51-115	
Indeno[1,2,3-cd]pyrene	100	98.8	97	9	30	68-121	
Dibenz(a,h)anthracene	100	107	105	8	30	67-124	
3,3'-Dichlorobenzidine	100	59.6	60	16	30	69-129	*
1,2,4,5-Tetrachlorobenzene	100	81.3	81	5	30	70-130	
2,3,4,6-Tetrachlorophenol	100	85.4	85	5	30	70-130	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab File ID: z18130.d Lab Sample ID: MB 460-146006/1-A

Matrix: Water Date Extracted: 02/05/2013 08:01

Instrument ID: BNAMS11 Date Analyzed: 02/08/2013 09:13

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MW-1	460-50248-2	z18113.d	02/08/2013 02:21
	LCS 460-146006/2-A	z18129.d	02/08/2013 08:50
MW-1 MS	460-50248-2 MS	z18131.d	02/08/2013 09:36
MW-1 MSD	460-50248-2 MSD	z18132.d	02/08/2013 09:59
MW-7F	460-50248-1	z18146.d	02/08/2013 16:06
MW-3	460-50248-3	z18161.d	02/08/2013 21:54
MW-2	460-50248-4	z18162.d	02/08/2013 22:17
MW-2D	460-50248-5	z18163.d	02/08/2013 22:40

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab File ID: z18185.d Lab Sample ID: MB 460-146378/1-A

Matrix: Water Date Extracted: 02/07/2013 11:33

Instrument ID: BNAMS11 Date Analyzed: 02/10/2013 07:25

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-146378/2-A	z18186.d	02/10/2013 07:47
MW-7	460-50248-6	z18196.d	02/10/2013 11:28

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab File ID: z16831.d DFTPP Injection Date: 02/01/2013

Instrument ID: BNAMS11 DFTPP Injection Time: 02:36

Analysis Batch No.: 145619

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	40.3	
68	Less than 2.0 % of mass 69	0.4	(0.8)1
69	Mass 69 relative abundance	44.7	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	51.7	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.4	
275	10.0 - 30.0 % of mass 198	27.4	
365	Greater than 1.0 % of mass 198	3.7	
441	Present but less than mass 443	13.8	(78.0)3
442	Greater than 40.0 % of mass 198	91.6	
443	17.0 - 23.0 % of mass 442	17.7	(19.3)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-145619/2	z16832.d	02/01/2013	03:01
	IC 460-145619/3	z16833.d	02/01/2013	03:58
	IC 460-145619/4	z16834.d	02/01/2013	04:22
	IC 460-145619/5	z16835.d	02/01/2013	04:45
	IC 460-145619/6	z16836.d	02/01/2013	05:08
	IC 460-145619/7	z16837.d	02/01/2013	05:31

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab File ID: z18107.d DFTPP Injection Date: 02/07/2013

Instrument ID: BNAMS11 DFTPP Injection Time: 23:44

Analysis Batch No.: 146614

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	40.8	
68	Less than 2.0 % of mass 69	0.8	(1.8)1
69	Mass 69 relative abundance	42.8	
70	Less than 2.0 % of mass 69	0.3	(0.6)1
127	40.0 - 60.0 % of mass 198	49.3	
197	Less than 1.0 % of mass 198	0.3	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.1	
275	10.0 - 30.0 % of mass 198	26.7	
365	Greater than 1.0 % of mass 198	3.7	
441	Present but less than mass 443	12.7	(73.3)3
442	Greater than 40.0 % of mass 198	88.4	
443	17.0 - 23.0 % of mass 442	17.4	(19.6)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-146614/2	z18108.d	02/08/2013	00:14
MW-1	460-50248-2	z18113.d	02/08/2013	02:21
	LCS 460-146006/2-A	z18129.d	02/08/2013	08:50
	MB 460-146006/1-A	z18130.d	02/08/2013	09:13
MW-1 MS	460-50248-2 MS	z18131.d	02/08/2013	09:36
MW-1 MSD	460-50248-2 MSD	z18132.d	02/08/2013	09:59

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab File ID: z18137.d DFTPP Injection Date: 02/08/2013

Instrument ID: BNAMS11 DFTPP Injection Time: 12:30

Analysis Batch No.: 146779

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	40.1	
68	Less than 2.0 % of mass 69	0.8	(1.9)1
69	Mass 69 relative abundance	41.6	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	49.6	
197	Less than 1.0 % of mass 198	0.5	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.4	
275	10.0 - 30.0 % of mass 198	28.5	
365	Greater than 1.0 % of mass 198	3.8	
441	Present but less than mass 443	13.0	(73.6)3
442	Greater than 40.0 % of mass 198	94.3	
443	17.0 - 23.0 % of mass 442	17.7	(18.7)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-146779/2	z18138.d	02/08/2013	12:51
MW-7F	460-50248-1	z18146.d	02/08/2013	16:06
MW-3	460-50248-3	z18161.d	02/08/2013	21:54
MW-2	460-50248-4	z18162.d	02/08/2013	22:17
MW-2D	460-50248-5	z18163.d	02/08/2013	22:40

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab File ID: z18166.d DFTPP Injection Date: 02/09/2013

Instrument ID: BNAMS11 DFTPP Injection Time: 23:45

Analysis Batch No.: 146806

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	37.1	
68	Less than 2.0 % of mass 69	0.7	(1.8)1
69	Mass 69 relative abundance	41.0	
70	Less than 2.0 % of mass 69	0.1	(0.3)1
127	40.0 - 60.0 % of mass 198	47.8	
197	Less than 1.0 % of mass 198	0.6	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.6	
275	10.0 - 30.0 % of mass 198	27.9	
365	Greater than 1.0 % of mass 198	3.9	
441	Present but less than mass 443	14.5	(72.8)3
442	Greater than 40.0 % of mass 198	102.9	
443	17.0 - 23.0 % of mass 442	19.9	(19.4)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-146806/2	z18167.d	02/10/2013	00:43
	MB 460-146378/1-A	z18185.d	02/10/2013	07:25
	LCS 460-146378/2-A	z18186.d	02/10/2013	07:47
MW-7	460-50248-6	z18196.d	02/10/2013	11:28

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Sample No.: CCVIS 460-146614/2 Date Analyzed: 02/08/2013 00:14

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z18108.d Heated Purge: (Y/N) N

Calibration ID: 20080

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		365467	4.02	1305032	5.30	589401	7.06
UPPER LIMIT		730934	4.52	2610064	5.80	1178802	7.56
LOWER LIMIT		182734	3.52	652516	4.80	294701	6.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-50248-2	MW-1	334541	4.02	1186263	5.30	552832	7.05
LCS 460-146006/2-A		347955	4.02	1207275	5.30	521104	7.05
MB 460-146006/1-A		340864	4.02	1177611	5.30	523811	7.05
460-50248-2 MS	MW-1 MS	366273	4.02	1265132	5.30	555126	7.05
460-50248-2 MSD	MW-1 MSD	347549	4.02	1233597	5.30	553359	7.05

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

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

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Sample No.: CCVIS 460-146614/2 Date Analyzed: 02/08/2013 00:14

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z18108.d Heated Purge: (Y/N) N

Calibration ID: 20080

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		707388	8.51	342052	11.19	257299	13.03
UPPER LIMIT		1414776	9.01	684104	11.69	514598	13.53
LOWER LIMIT		353694	8.01	171026	10.69	128650	12.53
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-50248-2	MW-1	687545	8.50	334708	11.19	255525	13.02
LCS 460-146006/2-A		590056	8.50	300561	11.19	249263	13.02
MB 460-146006/1-A		629770	8.50	296646	11.19	227555	13.02
460-50248-2 MS	MW-1 MS	619288	8.50	312367	11.19	261191	13.03
460-50248-2 MSD	MW-1 MSD	654619	8.50	332255	11.19	276106	13.03

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

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

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Sample No.: CCVIS 460-146779/2 Date Analyzed: 02/08/2013 12:51

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z18138.d Heated Purge: (Y/N) N

Calibration ID: 20080

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		397812	4.00	1397709	5.29	607929	7.03
UPPER LIMIT		795624	4.50	2795418	5.79	1215858	7.53
LOWER LIMIT		198906	3.50	698855	4.79	303965	6.53
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-50248-1	MW-7F	336434	4.00	1215092	5.28	566592	7.03
460-50248-3	MW-3	353358	4.00	1217419	5.28	530338	7.03
460-50248-4	MW-2	301652	4.00	1064523	5.28	456618	7.03
460-50248-5	MW-2D	303809	4.00	1036477	5.28	437434	7.03

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

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

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Sample No.: CCVIS 460-146779/2 Date Analyzed: 02/08/2013 12:51

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z18138.d Heated Purge: (Y/N) N

Calibration ID: 20080

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		725653	8.49	397573	11.17	319638	12.99
UPPER LIMIT		1451306	8.99	795146	11.67	639276	13.49
LOWER LIMIT		362827	7.99	198787	10.67	159819	12.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-50248-1	MW-7F	692477	8.48	345445	11.16	253425	12.99
460-50248-3	MW-3	615754	8.48	382755	11.16	338876	13.00
460-50248-4	MW-2	537373	8.49	346123	11.17	317306	13.00
460-50248-5	MW-2D	516851	8.49	325878	11.17	278270	13.00

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

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

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Sample No.: CCVIS 460-146806/2 Date Analyzed: 02/10/2013 00:43

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z18167.d Heated Purge: (Y/N) N

Calibration ID: 20080

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		271657	3.97	939334	5.26	437972	7.02
UPPER LIMIT		543314	4.47	1878668	5.76	875944	7.52
LOWER LIMIT		135829	3.47	469667	4.76	218986	6.52
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-146378/1-A		318954	3.97	1138834	5.26	517458	7.01
LCS 460-146378/2-A		344630	3.97	1223238	5.26	568709	7.02
460-50248-6	MW-7	359452	3.97	1291849	5.26	595992	7.01

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

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

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Sample No.: CCVIS 460-146806/2 Date Analyzed: 02/10/2013 00:43

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): z18167.d Heated Purge: (Y/N) N

Calibration ID: 20080

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		580873	8.47	317178	11.16	232141	12.99
UPPER LIMIT		1161746	8.97	634356	11.66	464282	13.49
LOWER LIMIT		290437	7.97	158589	10.66	116071	12.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-146378/1-A		682948	8.46	424432	11.14	318426	12.97
LCS 460-146378/2-A		726902	8.47	403399	11.14	325288	12.97
460-50248-6	MW-7	691607	8.47	334473	11.15	295860	12.98

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

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

Column used to flag values outside QC limits

FORM VIII 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-7F | Lab Sample ID: 460-50248-1

Matrix: Water | Lab File ID: z18146.d

Analysis Method: 8270C | Date Collected: 01/31/2013 12:30

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 16:06

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146779 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	10	U	10	0.81
95-57-8	2-Chlorophenol	10	U	10	2.2
95-48-7	2-Methylphenol	10	U	10	1.8
106-44-5	4-Methylphenol	10	U	10	1.6
100-52-7	Benzaldehyde	10	U *	10	2.0
98-86-2	Acetophenone	10	U	10	2.7
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.28
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	2.0
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.25
98-95-3	Nitrobenzene	1.0	U	1.0	0.30
67-72-1	Hexachloroethane	1.0	U	1.0	0.25
78-59-1	Isophorone	10	U	10	2.7
88-75-5	2-Nitrophenol	10	U	10	2.4
105-67-9	2,4-Dimethylphenol	10	U	10	3.4
120-83-2	2,4-Dichlorophenol	10	U	10	2.6
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	2.6
91-20-3	Naphthalene	10	U	10	2.7
106-47-8	4-Chloroaniline	10	U	10	2.0
87-68-3	Hexachlorobutadiene	2.0	U	2.0	0.57
105-60-2	Caprolactam	10	U	10	2.5
59-50-7	4-Chloro-3-methylphenol	10	U	10	2.5
91-57-6	2-Methylnaphthalene	10	U	10	3.0
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.29
77-47-4	Hexachlorocyclopentadiene	10	U	10	1.7
88-06-2	2,4,6-Trichlorophenol	10	U	10	2.4
95-95-4	2,4,5-Trichlorophenol	10	U	10	2.6
92-52-4	Diphenyl	10	U	10	2.8
91-58-7	2-Chloronaphthalene	10	U	10	2.7
88-74-4	2-Nitroaniline	20	U	20	4.9
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.61
131-11-3	Dimethyl phthalate	10	U	10	2.8
208-96-8	Acenaphthylene	10	U	10	2.7
99-09-2	3-Nitroaniline	20	U	20	5.0
83-32-9	Acenaphthene	10	U	10	2.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-7F | Lab Sample ID: 460-50248-1

Matrix: Water | Lab File ID: z18146.d

Analysis Method: 8270C | Date Collected: 01/31/2013 12:30

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 16:06

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146779 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	30	U	30	6.7
51-28-5	2,4-Dinitrophenol	30	U	30	5.4
132-64-9	Dibenzofuran	10	U	10	2.8
84-66-2	Diethyl phthalate	10	U	10	2.9
86-73-7	Fluorene	10	U	10	2.8
206-44-0	Fluoranthene	10	U	10	3.2
84-74-2	Di-n-butyl phthalate	10	U	10	2.9
121-14-2	2,4-Dinitrotoluene	2.0	U	2.0	0.47
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	2.5
100-01-6	4-Nitroaniline	20	U	20	5.8
534-52-1	4,6-Dinitro-2-methylphenol	30	U	30	4.7
101-55-3	4-Bromophenyl phenyl ether	10	U	10	2.5
1912-24-9	Atrazine	10	U	10	3.0
120-12-7	Anthracene	10	U	10	2.8
86-74-8	Carbazole	10	U	10	3.2
85-01-8	Phenanthrene	10	U	10	3.1
87-86-5	Pentachlorophenol	30	U	30	5.3
129-00-0	Pyrene	10	U	10	2.9
218-01-9	Chrysene	10	U	10	3.1
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.26
191-24-2	Benzo[g,h,i]perylene	10	U	10	2.0
205-99-2	Benzo[b]fluoranthene	1.0	U	1.0	0.26
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.14
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.27
86-30-6	N-Nitrosodiphenylamine	10	U	10	2.9
85-68-7	Butyl benzyl phthalate	10	U	10	2.5
117-81-7	Bis(2-ethylhexyl) phthalate	10	U	10	2.0
117-84-0	Di-n-octyl phthalate	10	U	10	1.5
193-39-5	Indeno[1,2,3-cd]pyrene	1.0	U	1.0	0.15
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.090
91-94-1	3,3'-Dichlorobenzidine	20	U	20	4.9
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	2.6
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	2.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-7F | Lab Sample ID: 460-50248-1

Matrix: Water | Lab File ID: z18146.d

Analysis Method: 8270C | Date Collected: 01/31/2013 12:30

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 16:06

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146779 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	107		56-112
4165-62-2	Phenol-d5	39		10-48
1718-51-0	Terphenyl-d14	99		50-122
118-79-6	2,4,6-Tribromophenol	88		46-122
367-12-4	2-Fluorophenol	59		10-65
321-60-8	2-Fluorobiphenyl	94		53-108

Data File: /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18146.d
Report Date: 11-Feb-2013 20:07

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18146.d
Lab Smp Id: 460-50248-E-1-A Client Smp ID: MW-7F
Inj Date : 08-FEB-2013 16:06
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : 460-50248-E-1-A
Misc Info : 460-50248-E-1-A
Comment   :
Method   : /chem/BNAMS11.i/8270/02-01-13/08feb13.b/8270C_11.m
Meth Date : 08-Feb-2013 13:24 ranav Quant Type: ISTD
Cal Date : 01-FEB-2013 05:31 Cal File: z16837.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-h20.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	2.728	2.734	(0.682)	332628	29.4005	59
$ 17 Phenol-d5 (SUR)	99	3.640	3.663	(0.910)	266046	19.5632	39
* 79 1,4-Dichlorobenzene-d4	152	3.998	3.999	(1.000)	336434	40.0000	
104 Acetophenone	105	4.404	4.422	(1.101)	14692	1.01355	2.0(aH)
$ 76 Nitrobenzene-d5 (SUR)	82	4.557	4.569	(0.863)	622557	53.2913	110
* 80 Naphthalene-d8	136	5.281	5.287	(1.000)	1215092	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	6.369	6.375	(0.906)	938997	47.0853	94
* 82 Acenaphthene-d10	164	7.028	7.034	(1.000)	566592	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	7.804	7.810	(1.110)	106736	44.0503	88
* 83 Phenanthrene-d10	188	8.481	8.486	(1.000)	692477	40.0000	
$ 78 Terphenyl-d14	244	10.045	10.045	(0.900)	523578	49.5092	99
* 81 Chrysene-d12	240	11.163	11.169	(1.000)	345445	40.0000	
* 84 Perylene-d12	264	12.992	12.992	(1.000)	253425	40.0000	

Data File: /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18146.d
Report Date: 11-Feb-2013 20:07

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: z18146.d

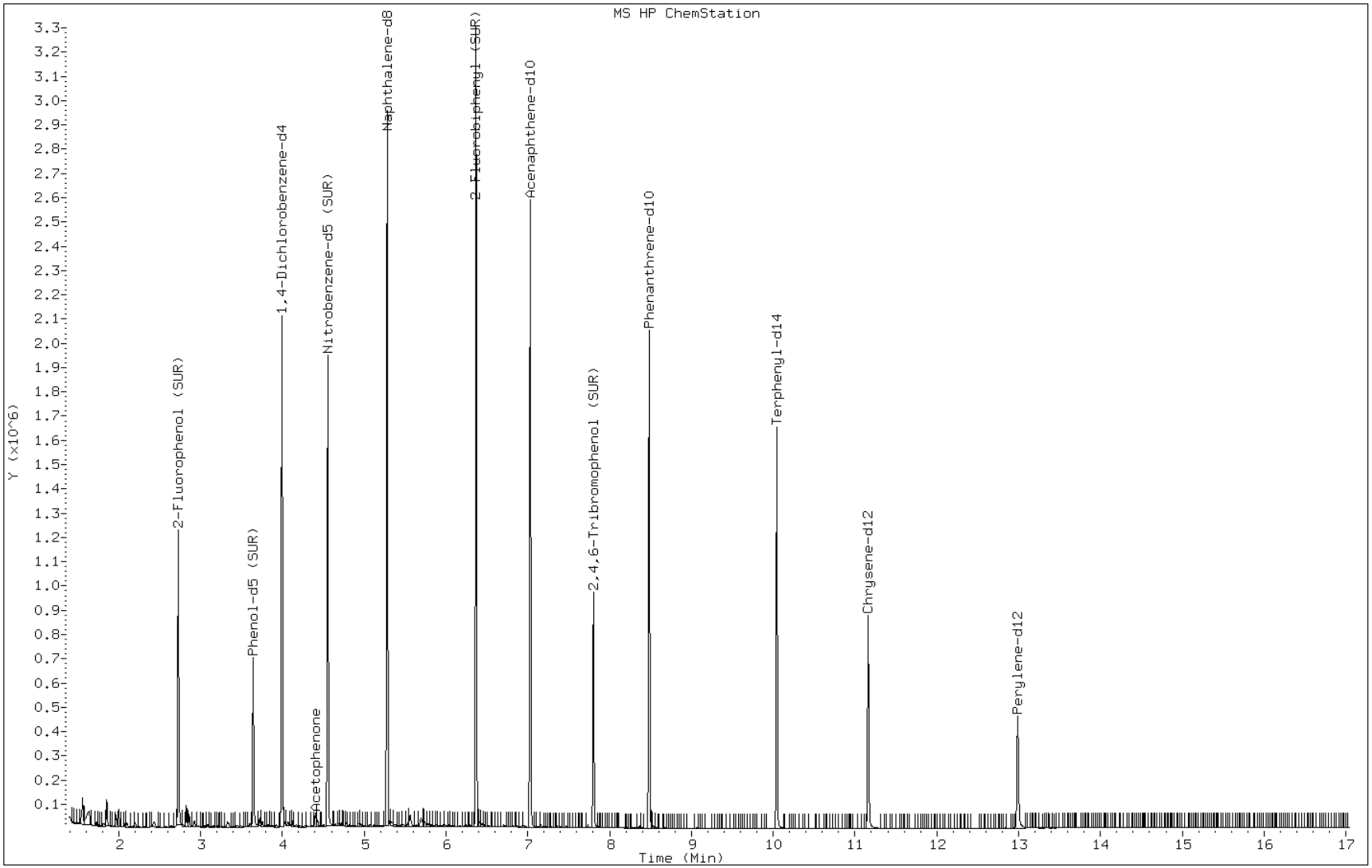
Date: 08-FEB-2013 16:06

Client ID: MW-7F

Instrument: BNAMS11.i

Sample Info: 460-50248-E-1-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-1 | Lab Sample ID: 460-50248-2

Matrix: Water | Lab File ID: z18113.d

Analysis Method: 8270C | Date Collected: 01/31/2013 10:00

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 02:21

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146614 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	10	U	10	0.81
95-57-8	2-Chlorophenol	10	U	10	2.2
95-48-7	2-Methylphenol	10	U	10	1.8
106-44-5	4-Methylphenol	10	U	10	1.6
100-52-7	Benzaldehyde	10	U *	10	2.0
98-86-2	Acetophenone	10	U	10	2.7
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.28
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	2.0
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.25
98-95-3	Nitrobenzene	1.0	U	1.0	0.30
67-72-1	Hexachloroethane	1.0	U	1.0	0.25
78-59-1	Isophorone	10	U	10	2.7
88-75-5	2-Nitrophenol	10	U	10	2.4
105-67-9	2,4-Dimethylphenol	10	U	10	3.4
120-83-2	2,4-Dichlorophenol	10	U	10	2.6
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	2.6
91-20-3	Naphthalene	10	U	10	2.7
106-47-8	4-Chloroaniline	10	U	10	2.0
87-68-3	Hexachlorobutadiene	2.0	U	2.0	0.57
105-60-2	Caprolactam	10	U	10	2.5
59-50-7	4-Chloro-3-methylphenol	10	U	10	2.5
91-57-6	2-Methylnaphthalene	10	U	10	3.0
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.29
77-47-4	Hexachlorocyclopentadiene	10	U	10	1.7
88-06-2	2,4,6-Trichlorophenol	10	U	10	2.4
95-95-4	2,4,5-Trichlorophenol	10	U	10	2.6
92-52-4	Diphenyl	10	U	10	2.8
91-58-7	2-Chloronaphthalene	10	U	10	2.7
88-74-4	2-Nitroaniline	20	U	20	4.9
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.61
131-11-3	Dimethyl phthalate	10	U	10	2.8
208-96-8	Acenaphthylene	10	U	10	2.7
99-09-2	3-Nitroaniline	20	U	20	5.0
83-32-9	Acenaphthene	10	U	10	2.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-1 | Lab Sample ID: 460-50248-2

Matrix: Water | Lab File ID: z18113.d

Analysis Method: 8270C | Date Collected: 01/31/2013 10:00

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 02:21

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146614 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	30	U	30	6.7
51-28-5	2,4-Dinitrophenol	30	U	30	5.4
132-64-9	Dibenzofuran	10	U	10	2.8
84-66-2	Diethyl phthalate	10	U	10	2.9
86-73-7	Fluorene	10	U	10	2.8
206-44-0	Fluoranthene	10	U	10	3.2
84-74-2	Di-n-butyl phthalate	10	U	10	2.9
121-14-2	2,4-Dinitrotoluene	2.0	U	2.0	0.47
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	2.5
100-01-6	4-Nitroaniline	20	U	20	5.8
534-52-1	4,6-Dinitro-2-methylphenol	30	U	30	4.7
101-55-3	4-Bromophenyl phenyl ether	10	U	10	2.5
1912-24-9	Atrazine	10	U	10	3.0
120-12-7	Anthracene	10	U	10	2.8
86-74-8	Carbazole	10	U	10	3.2
85-01-8	Phenanthrene	10	U	10	3.1
87-86-5	Pentachlorophenol	30	U	30	5.3
129-00-0	Pyrene	10	U	10	2.9
218-01-9	Chrysene	10	U	10	3.1
207-08-9	Benzo[k]fluoranthene	0.64	J	1.0	0.26
191-24-2	Benzo[g,h,i]perylene	2.2	J	10	2.0
205-99-2	Benzo[b]fluoranthene	0.74	J	1.0	0.26
50-32-8	Benzo[a]pyrene	0.88	J	1.0	0.14
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.27
86-30-6	N-Nitrosodiphenylamine	10	U	10	2.9
85-68-7	Butyl benzyl phthalate	10	U	10	2.5
117-81-7	Bis(2-ethylhexyl) phthalate	10	U	10	2.0
117-84-0	Di-n-octyl phthalate	10	U	10	1.5
193-39-5	Indeno[1,2,3-cd]pyrene	1.4		1.0	0.15
53-70-3	Dibenz(a,h)anthracene	1.6		1.0	0.090
91-94-1	3,3'-Dichlorobenzidine	20	U	20	4.9
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	2.6
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	2.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-1 | Lab Sample ID: 460-50248-2

Matrix: Water | Lab File ID: z18113.d

Analysis Method: 8270C | Date Collected: 01/31/2013 10:00

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 02:21

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146614 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	98		56-112
4165-62-2	Phenol-d5	18		10-48
1718-51-0	Terphenyl-d14	86		50-122
118-79-6	2,4,6-Tribromophenol	88		46-122
367-12-4	2-Fluorophenol	33		10-65
321-60-8	2-Fluorobiphenyl	90		53-108

Data File: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18113.d
Report Date: 08-Feb-2013 14:20

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18113.d
Lab Smp Id: 460-50248-E-2-B Client Smp ID: MW-1
Inj Date : 08-FEB-2013 02:21
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : 460-50248-E-2-B
Misc Info : 460-50248-E-2-B
Comment   :
Method   : /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/8270C_11.m
Meth Date : 08-Feb-2013 00:44 asfawa Quant Type: ISTD
Cal Date : 01-FEB-2013 05:31 Cal File: z16837.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-h20.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	2.746	2.751	(0.684)	183294	16.2928	32
$ 17 Phenol-d5 (SUR)	99	3.657	3.681	(0.911)	124223	9.18620	18
21 1,3-Dichlorobenzene	146	3.963	3.963	(0.987)	6516	0.48018	0.96(aH)
* 79 1,4-Dichlorobenzene-d4	152	4.016	4.022	(1.000)	334541	40.0000	(H)
22 1,4-Dichlorobenzene	146	4.034	4.040	(1.004)	59355	4.39090	8.8(a)
23 1,2-Dichlorobenzene	146	4.187	4.192	(1.042)	29258	2.32288	4.6(a)
$ 76 Nitrobenzene-d5 (SUR)	82	4.575	4.587	(0.863)	557966	48.9230	98
* 80 Naphthalene-d8	136	5.298	5.304	(1.000)	1186263	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	6.392	6.392	(0.907)	873408	44.8865	90
* 82 Acenaphthene-d10	164	7.051	7.057	(1.000)	552832	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	7.828	7.833	(1.110)	103482	43.7703	88
* 83 Phenanthrene-d10	188	8.504	8.510	(1.000)	687545	40.0000	
$ 78 Terphenyl-d14	244	10.069	10.069	(0.900)	441135	43.0516	86
* 81 Chrysene-d12	240	11.186	11.192	(1.000)	334708	40.0000	
65 Benzo(b)fluoranthene	252	12.521	12.527	(0.962)	2968	0.37094	0.74(aH)

Data File: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18113.d
Report Date: 08-Feb-2013 14:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	66 Benzo(k)fluoranthene	252	12.557	12.562	(0.964)	2779	0.31852	0.64(a)
	67 Benzo(a)pyrene	252	12.945	12.951	(0.994)	2787	0.43961	0.88(aM)
*	84 Perylene-d12	264	13.021	13.027	(1.000)	255525	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	14.439	14.445	(1.109)	3690	0.70750	1.4
	69 Dibenz(a,h)anthracene	278	14.474	14.480	(1.112)	4267	0.78902	1.6
	70 Benzo(g,h,i)perylene	276	14.810	14.815	(1.137)	5724	1.07984	2.2(a)

QC Flag Legend

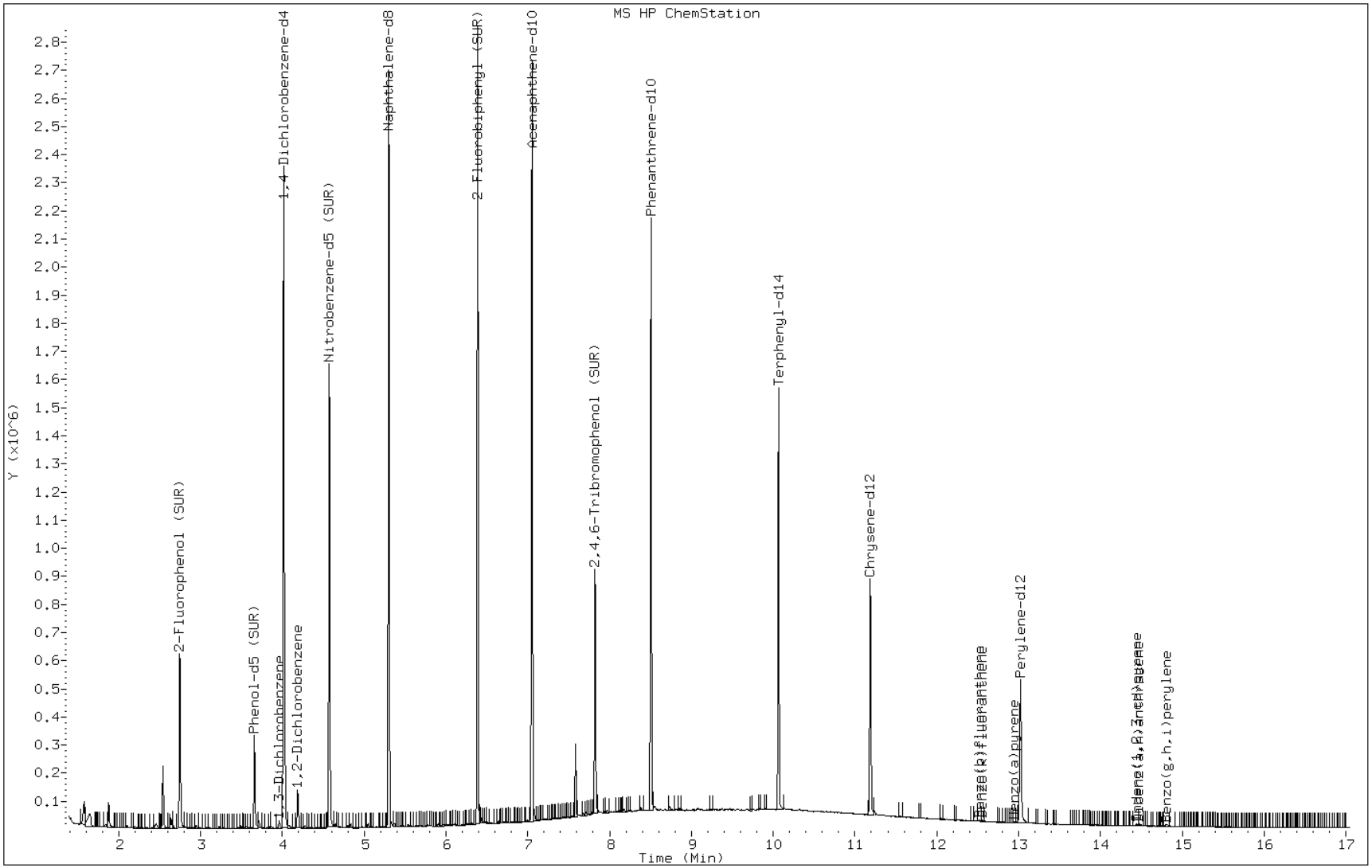
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z18113.d

Date: 08-FEB-2013 02:21

Client ID: MW-1 Instrument: BNAMS11.i

Sample Info: 460-50248-E-2-B Operator: BNAMS 4



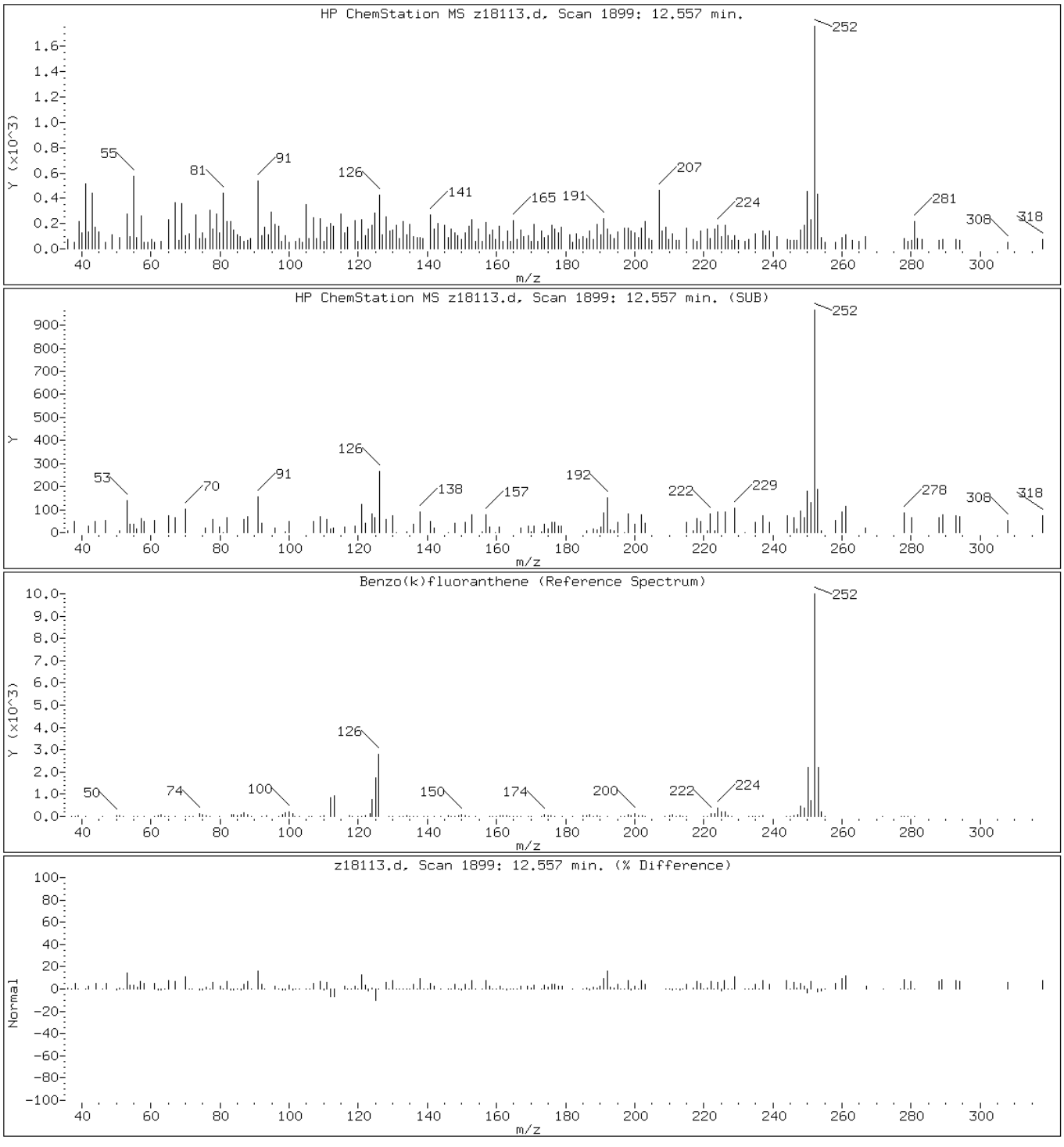
Data File: z18113.d

Date: 08-FEB-2013 02:21

Client ID: MW-1 Instrument: BNAMS11.i

Sample Info: 460-50248-E-2-B Operator: BNAMS 4

66 Benzo(k)fluoranthene



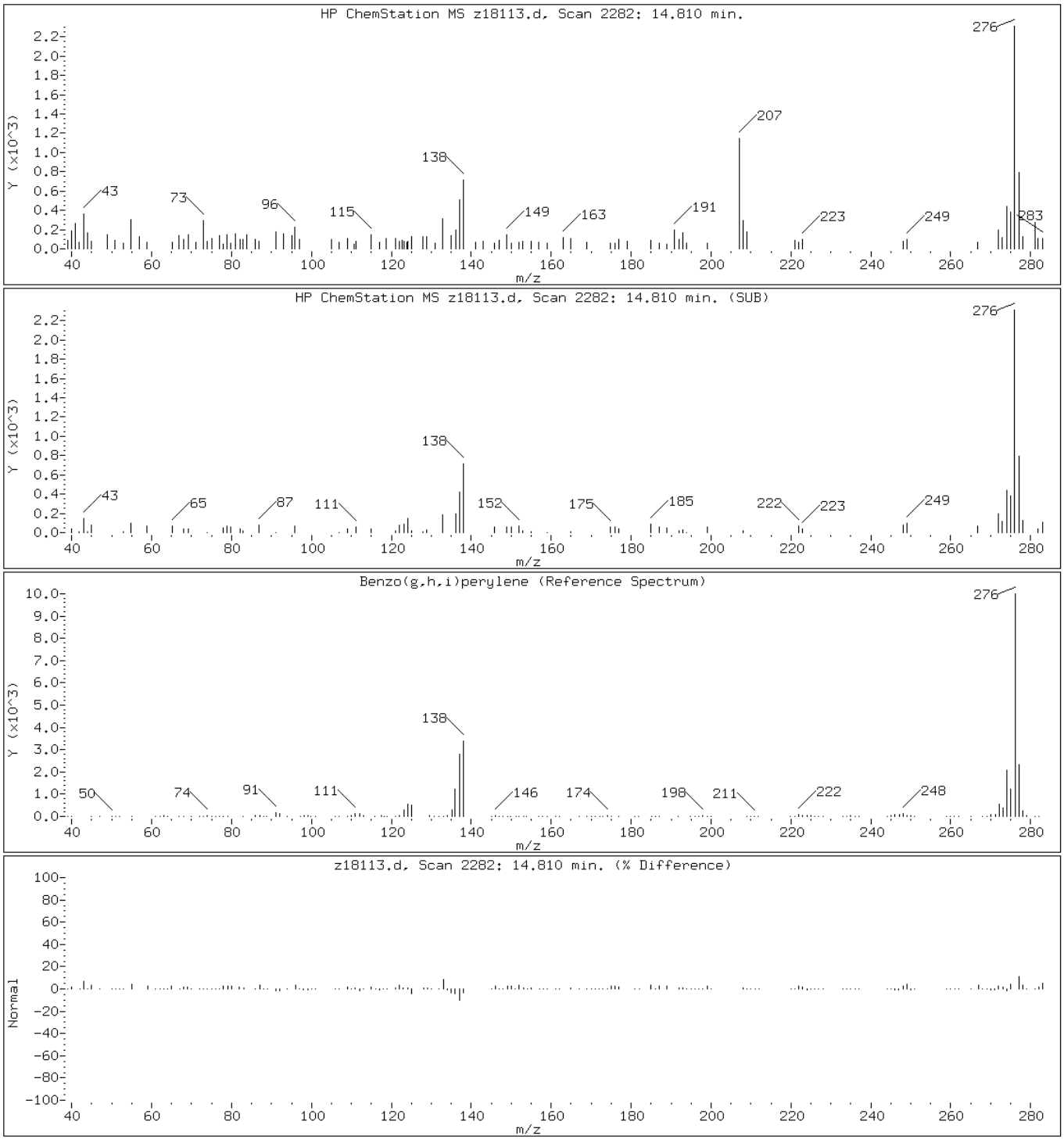
Data File: z18113.d

Date: 08-FEB-2013 02:21

Client ID: MW-1 Instrument: BNAMS11.i

Sample Info: 460-50248-E-2-B Operator: BNAMS 4

70 Benzo(g,h,i)perylene



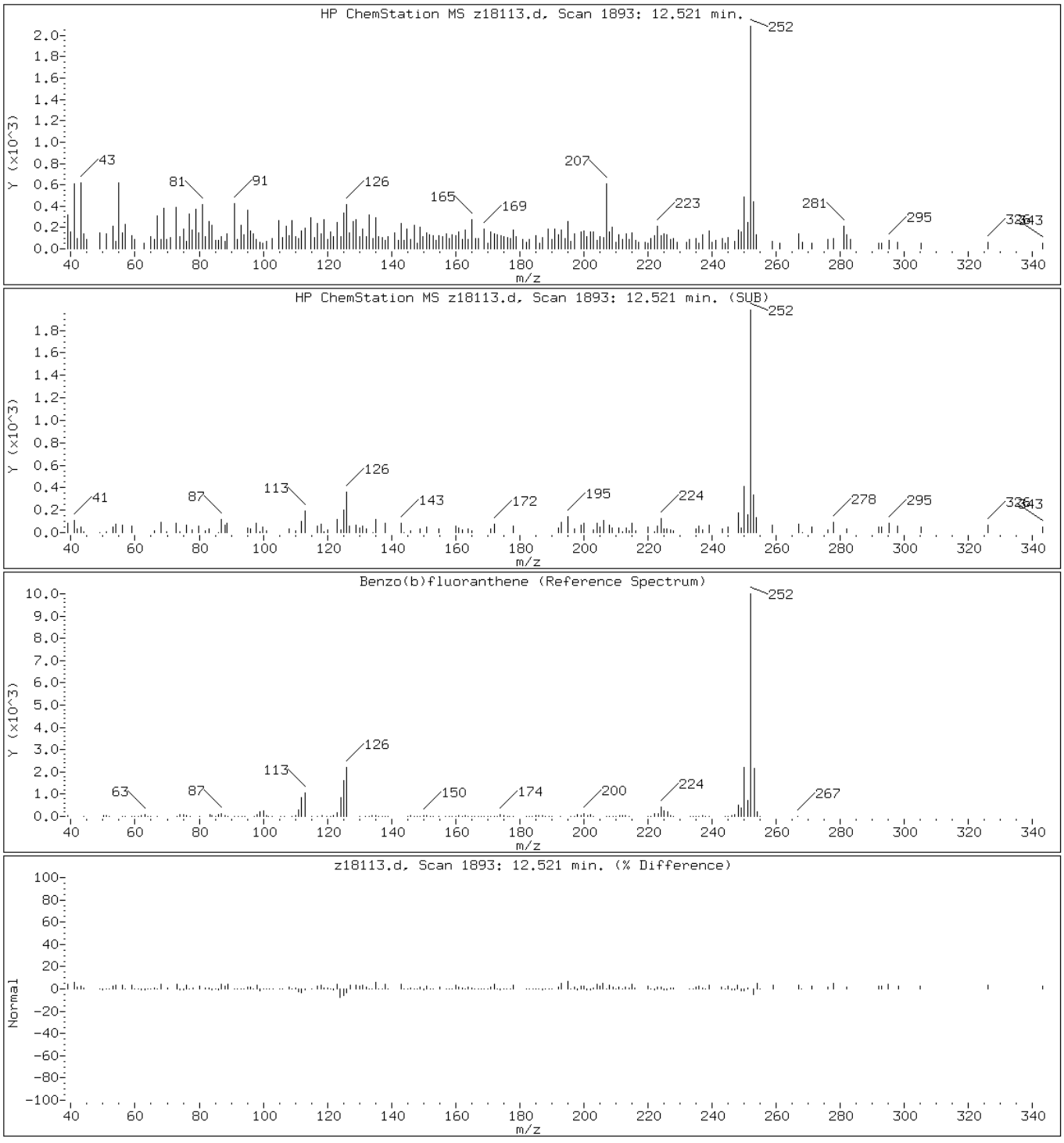
Data File: z18113.d

Date: 08-FEB-2013 02:21

Client ID: MW-1 Instrument: BNAMS11.i

Sample Info: 460-50248-E-2-B Operator: BNAMS 4

65 Benzo(b)fluoranthene



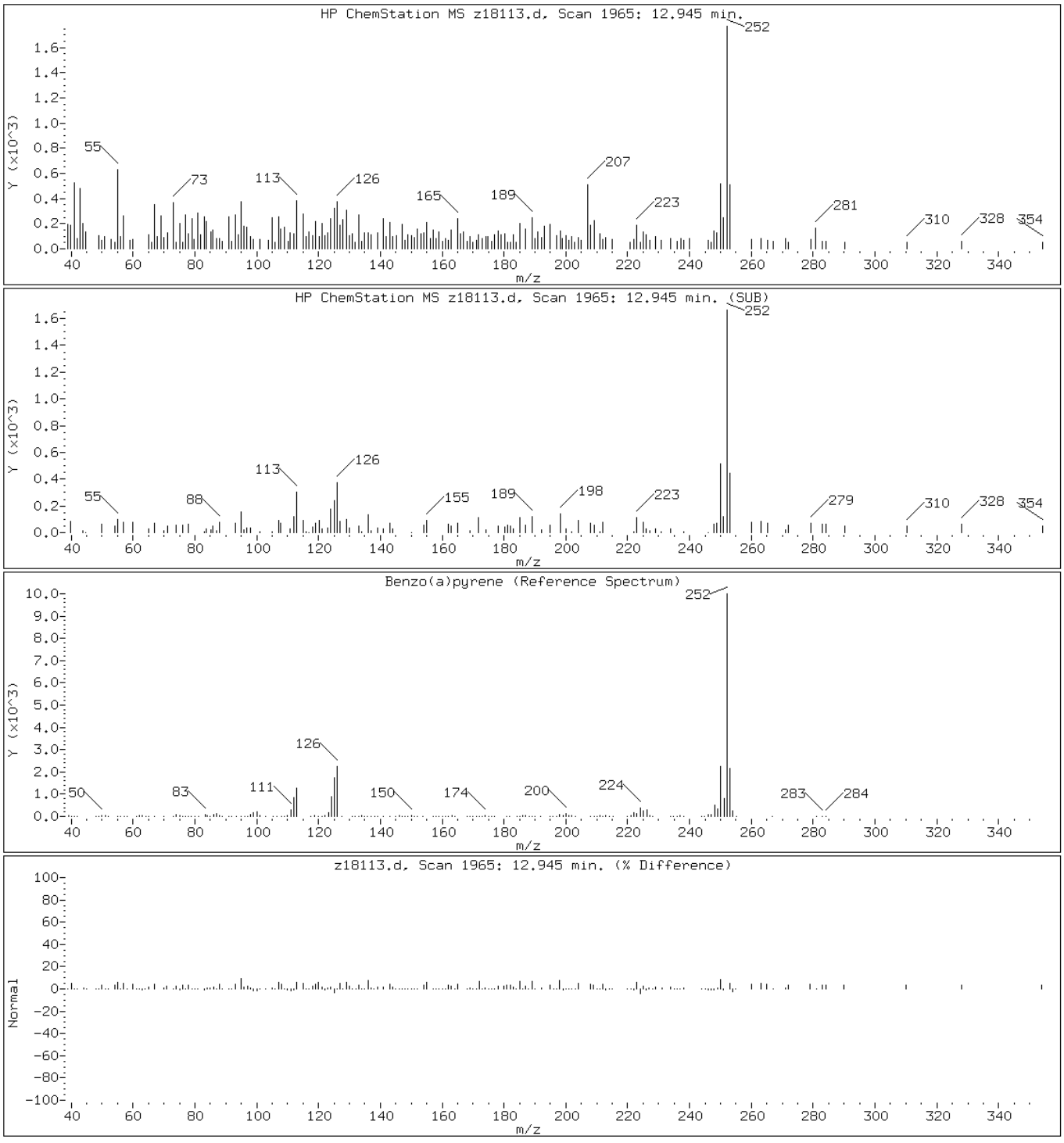
Data File: z18113.d

Date: 08-FEB-2013 02:21

Client ID: MW-1 Instrument: BNAMS11.i

Sample Info: 460-50248-E-2-B Operator: BNAMS 4

67 Benzo(a)pyrene



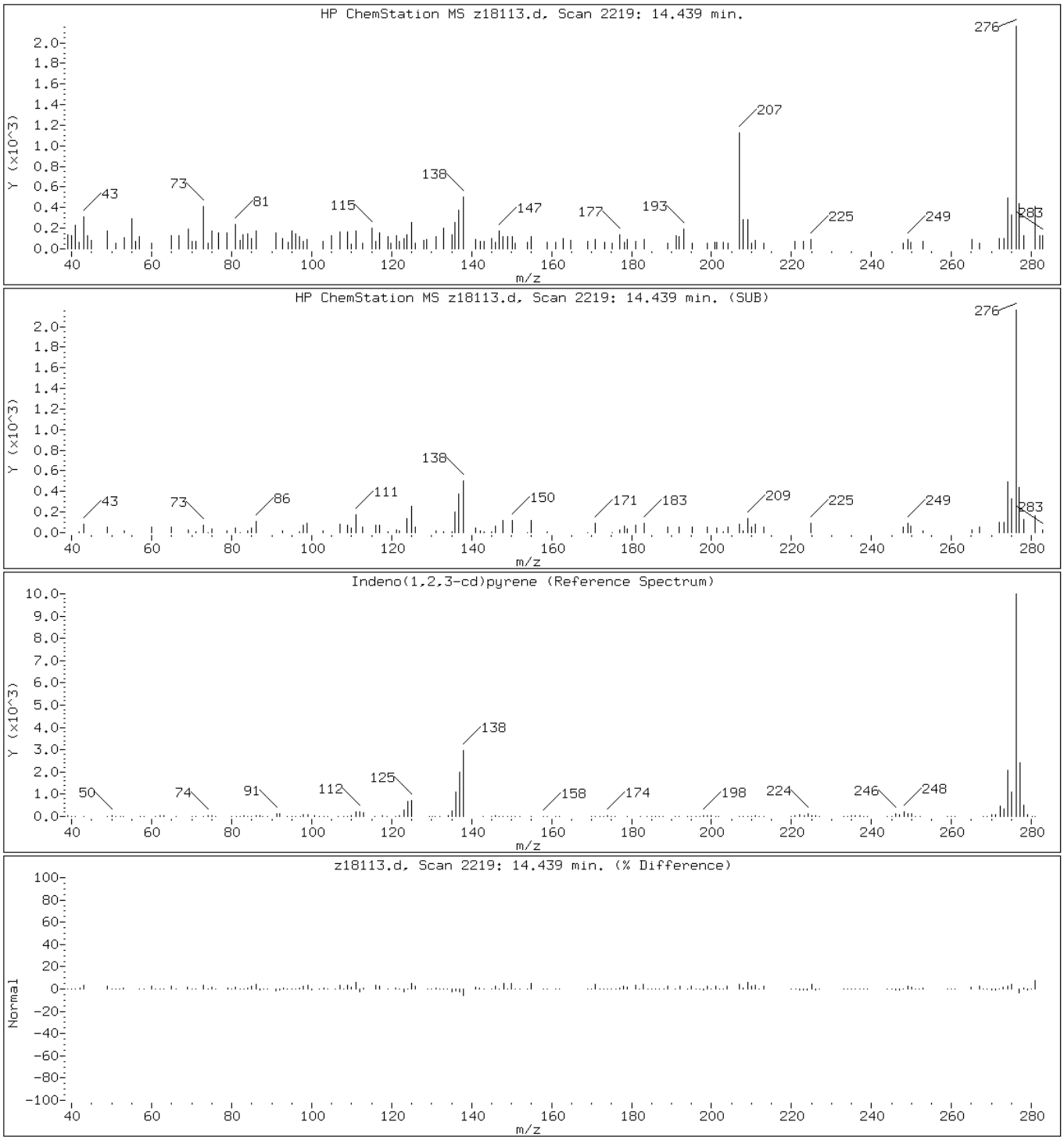
Data File: z18113.d

Date: 08-FEB-2013 02:21

Client ID: MW-1 Instrument: BNAMS11.i

Sample Info: 460-50248-E-2-B Operator: BNAMS 4

68 Indeno(1,2,3-cd)pyrene



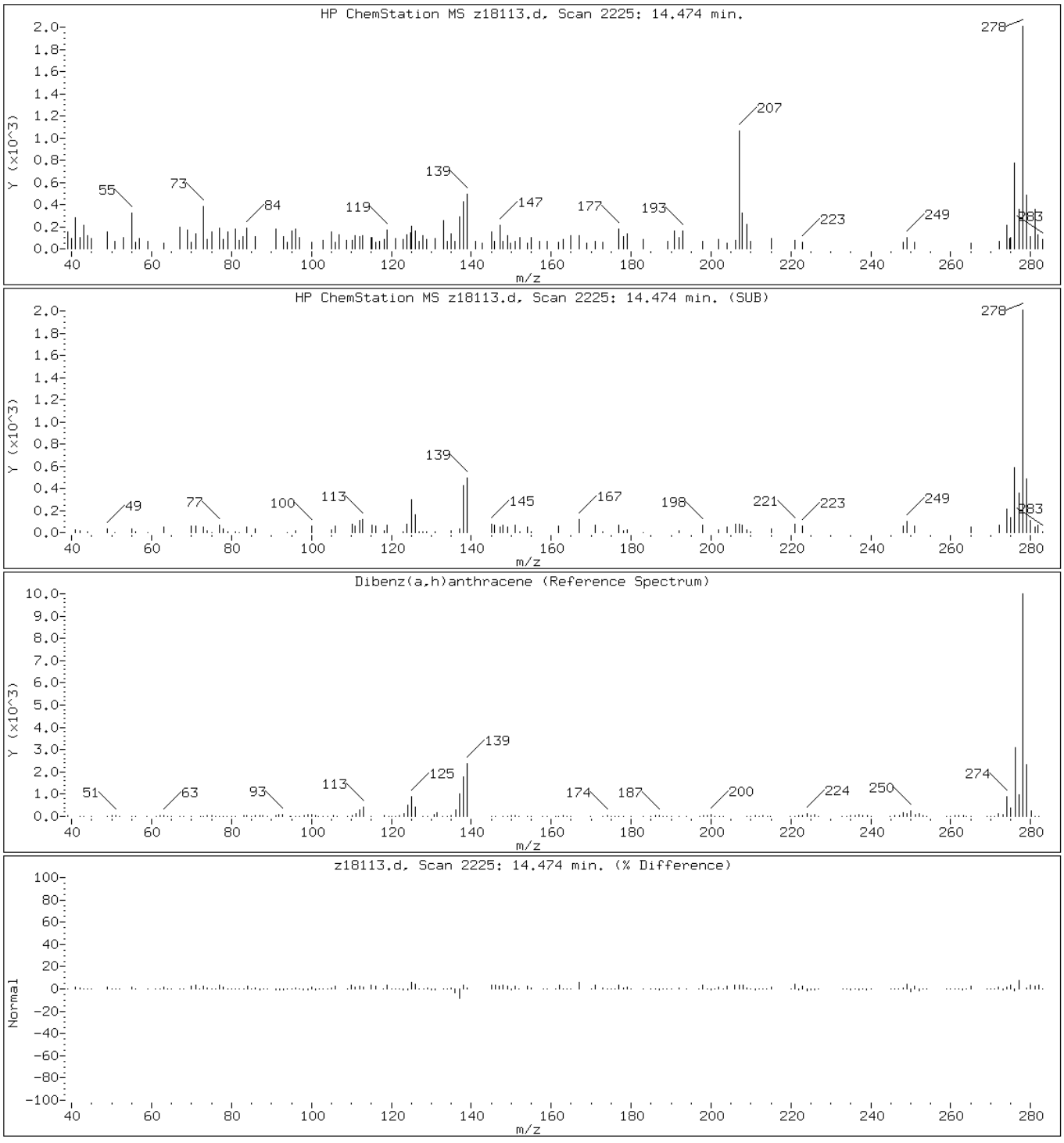
Data File: z18113.d

Date: 08-FEB-2013 02:21

Client ID: MW-1 Instrument: BNAMS11.i

Sample Info: 460-50248-E-2-B Operator: BNAMS 4

69 Dibenz(a,h)anthracene



Manual Integration Report

Data File: z18113.d
Inj. Date and Time: 08-FEB-2013 02:21
Instrument ID: BNAMS11.i
Client ID: MW-1
Compound: 67 Benzo(a)pyrene
CAS #: 50-32-8
Report Date: 02/08/2013

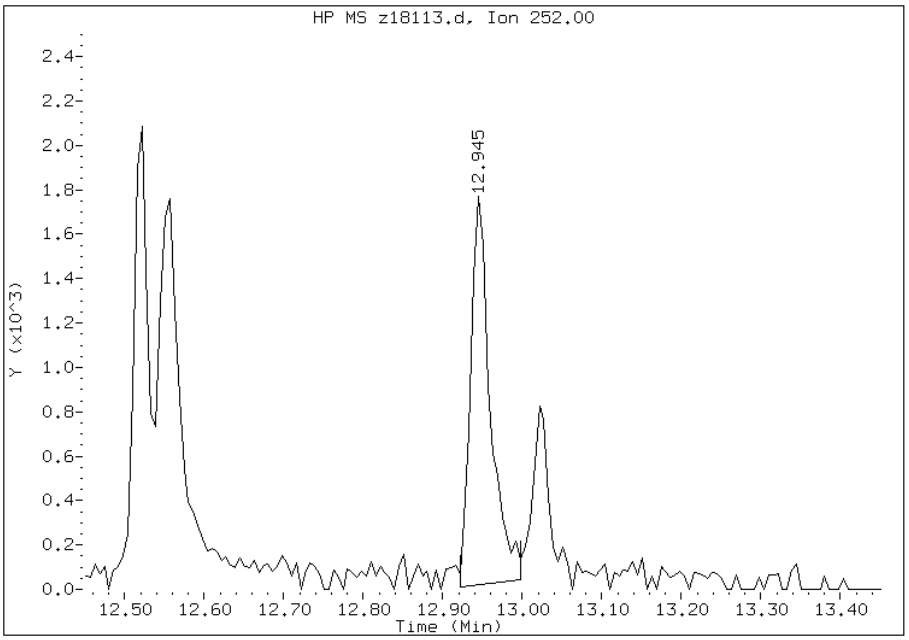
Processing Integration Results

RT: 12.94

Response: 3025

Amount: 0

Conc: 1



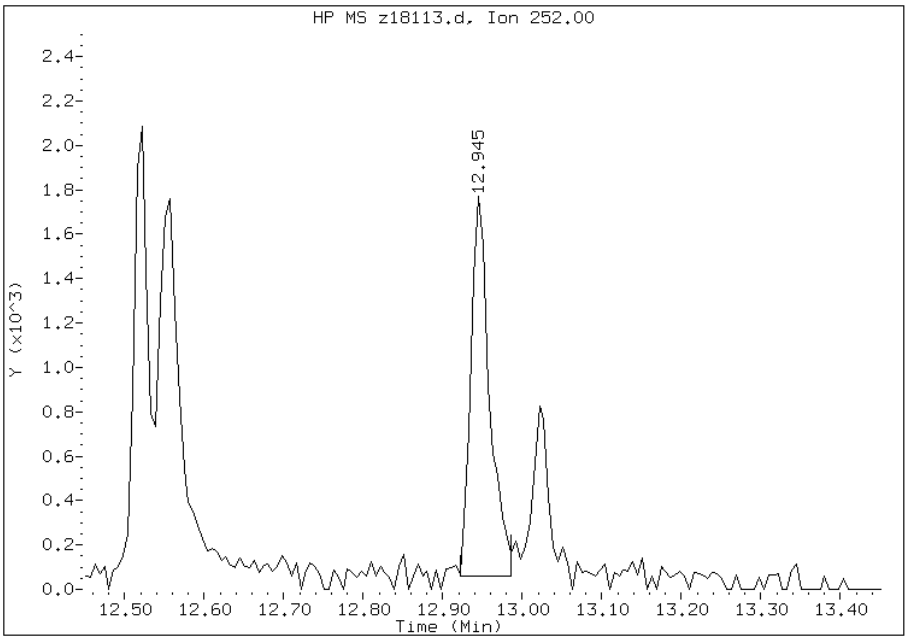
Manual Integration Results

RT: 12.94

Response: 2787

Amount: 0

Conc: 1



Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-3 | Lab Sample ID: 460-50248-3

Matrix: Water | Lab File ID: z18161.d

Analysis Method: 8270C | Date Collected: 01/31/2013 09:45

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 21:54

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146779 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	10	U	10	0.81
95-57-8	2-Chlorophenol	10	U	10	2.2
95-48-7	2-Methylphenol	10	U	10	1.8
106-44-5	4-Methylphenol	10	U	10	1.6
100-52-7	Benzaldehyde	10	U *	10	2.0
98-86-2	Acetophenone	10	U	10	2.7
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.28
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	2.0
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.25
98-95-3	Nitrobenzene	1.0	U	1.0	0.30
67-72-1	Hexachloroethane	1.0	U	1.0	0.25
78-59-1	Isophorone	10	U	10	2.7
88-75-5	2-Nitrophenol	10	U	10	2.4
105-67-9	2,4-Dimethylphenol	10	U	10	3.4
120-83-2	2,4-Dichlorophenol	10	U	10	2.6
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	2.6
91-20-3	Naphthalene	10	U	10	2.7
106-47-8	4-Chloroaniline	10	U	10	2.0
87-68-3	Hexachlorobutadiene	2.0	U	2.0	0.57
105-60-2	Caprolactam	10	U	10	2.5
59-50-7	4-Chloro-3-methylphenol	10	U	10	2.5
91-57-6	2-Methylnaphthalene	10	U	10	3.0
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.29
77-47-4	Hexachlorocyclopentadiene	10	U	10	1.7
88-06-2	2,4,6-Trichlorophenol	10	U	10	2.4
95-95-4	2,4,5-Trichlorophenol	10	U	10	2.6
92-52-4	Diphenyl	10	U	10	2.8
91-58-7	2-Chloronaphthalene	10	U	10	2.7
88-74-4	2-Nitroaniline	20	U	20	4.9
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.61
131-11-3	Dimethyl phthalate	10	U	10	2.8
208-96-8	Acenaphthylene	10	U	10	2.7
99-09-2	3-Nitroaniline	20	U	20	5.0
83-32-9	Acenaphthene	10	U	10	2.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-3 | Lab Sample ID: 460-50248-3

Matrix: Water | Lab File ID: z18161.d

Analysis Method: 8270C | Date Collected: 01/31/2013 09:45

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 21:54

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146779 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	30	U	30	6.7
51-28-5	2,4-Dinitrophenol	30	U	30	5.4
132-64-9	Dibenzofuran	10	U	10	2.8
84-66-2	Diethyl phthalate	10	U	10	2.9
86-73-7	Fluorene	10	U	10	2.8
206-44-0	Fluoranthene	10	U	10	3.2
84-74-2	Di-n-butyl phthalate	10	U	10	2.9
121-14-2	2,4-Dinitrotoluene	2.0	U	2.0	0.47
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	2.5
100-01-6	4-Nitroaniline	20	U	20	5.8
534-52-1	4,6-Dinitro-2-methylphenol	30	U	30	4.7
101-55-3	4-Bromophenyl phenyl ether	10	U	10	2.5
1912-24-9	Atrazine	10	U	10	3.0
120-12-7	Anthracene	10	U	10	2.8
86-74-8	Carbazole	10	U	10	3.2
85-01-8	Phenanthrene	10	U	10	3.1
87-86-5	Pentachlorophenol	30	U	30	5.3
129-00-0	Pyrene	10	U	10	2.9
218-01-9	Chrysene	10	U	10	3.1
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.26
191-24-2	Benzo[g,h,i]perylene	10	U	10	2.0
205-99-2	Benzo[b]fluoranthene	1.0	U	1.0	0.26
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.14
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.27
86-30-6	N-Nitrosodiphenylamine	10	U	10	2.9
85-68-7	Butyl benzyl phthalate	10	U	10	2.5
117-81-7	Bis(2-ethylhexyl) phthalate	10	U	10	2.0
117-84-0	Di-n-octyl phthalate	10	U	10	1.5
193-39-5	Indeno[1,2,3-cd]pyrene	1.0	U	1.0	0.15
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.090
91-94-1	3,3'-Dichlorobenzidine	20	U	20	4.9
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	2.6
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	2.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-3 | Lab Sample ID: 460-50248-3

Matrix: Water | Lab File ID: z18161.d

Analysis Method: 8270C | Date Collected: 01/31/2013 09:45

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 21:54

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146779 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	101		56-112
4165-62-2	Phenol-d5	29		10-48
1718-51-0	Terphenyl-d14	68		50-122
118-79-6	2,4,6-Tribromophenol	81		46-122
367-12-4	2-Fluorophenol	51		10-65
321-60-8	2-Fluorobiphenyl	92		53-108

Data File: /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18161.d
Report Date: 11-Feb-2013 20:15

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18161.d
Lab Smp Id: 460-50248-E-3-A Client Smp ID: MW-3
Inj Date : 08-FEB-2013 21:54
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : 460-50248-E-3-A
Misc Info : 460-50248-E-3-A
Comment   :
Method   : /chem/BNAMS11.i/8270/02-01-13/08feb13.b/8270C_11.m
Meth Date : 08-Feb-2013 13:24 ranav Quant Type: ISTD
Cal Date : 01-FEB-2013 05:31 Cal File: z16837.d
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-h20.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	2.734	2.734	(0.684)	301414	25.3656	51
$ 17 Phenol-d5 (SUR)	99	3.645	3.663	(0.912)	207124	14.5010	29
* 79 1,4-Dichlorobenzene-d4	152	3.998	3.999	(1.000)	353358	40.0000	
22 1,4-Dichlorobenzene	146	4.010	4.016	(1.003)	10983	0.76922	1.5(a)
23 1,2-Dichlorobenzene	146	4.169	4.169	(1.043)	14356	1.07907	2.2(a)
$ 76 Nitrobenzene-d5 (SUR)	82	4.557	4.569	(0.863)	589143	50.3346	100
* 80 Naphthalene-d8	136	5.281	5.287	(1.000)	1217419	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	6.369	6.375	(0.906)	856646	45.8923	92
* 82 Acenaphthene-d10	164	7.028	7.034	(1.000)	530338	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	7.810	7.810	(1.111)	92350	40.7185	81
* 83 Phenanthrene-d10	188	8.480	8.486	(1.000)	615754	40.0000	
56 Fluoranthene	202	9.669	9.669	(1.140)	1523	0.10021	0.20(a)
$ 78 Terphenyl-d14	244	10.051	10.045	(0.900)	398666	34.0230	68
* 81 Chrysene-d12	240	11.163	11.169	(1.000)	382755	40.0000	
* 84 Perylene-d12	264	12.998	12.992	(1.000)	338876	40.0000	

Data File: /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18161.d
Report Date: 11-Feb-2013 20:15

QC Flag Legend

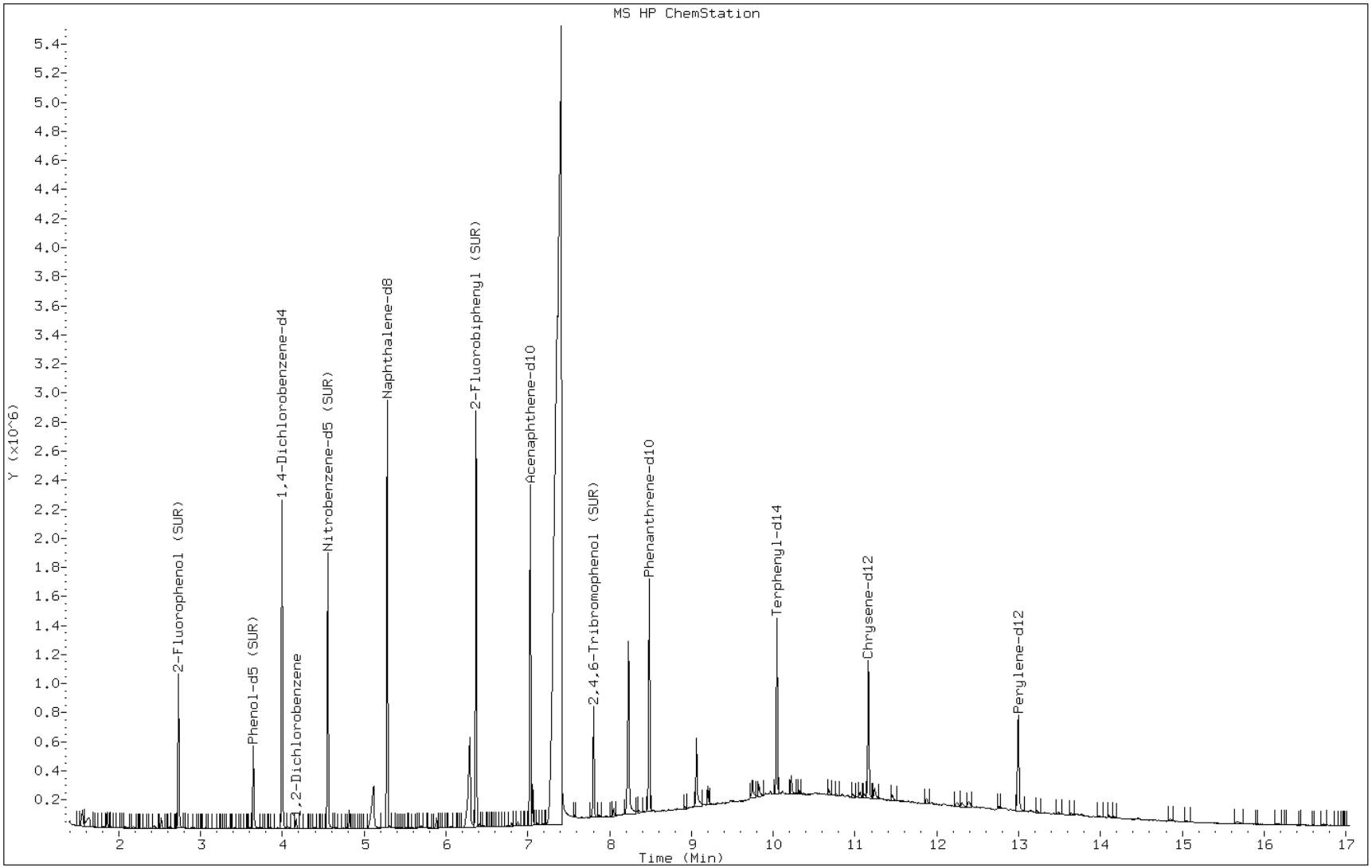
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: z18161.d

Date: 08-FEB-2013 21:54

Client ID: MW-3 Instrument: BNAMS11.i

Sample Info: 460-50248-E-3-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-2 | Lab Sample ID: 460-50248-4

Matrix: Water | Lab File ID: z18162.d

Analysis Method: 8270C | Date Collected: 01/31/2013 11:00

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 22:17

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146779 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	10	U	10	0.81
95-57-8	2-Chlorophenol	10	U	10	2.2
95-48-7	2-Methylphenol	10	U	10	1.8
106-44-5	4-Methylphenol	10	U	10	1.6
100-52-7	Benzaldehyde	10	U *	10	2.0
98-86-2	Acetophenone	10	U	10	2.7
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.28
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	2.0
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.25
98-95-3	Nitrobenzene	1.0	U	1.0	0.30
67-72-1	Hexachloroethane	1.0	U	1.0	0.25
78-59-1	Isophorone	10	U	10	2.7
88-75-5	2-Nitrophenol	10	U	10	2.4
105-67-9	2,4-Dimethylphenol	10	U	10	3.4
120-83-2	2,4-Dichlorophenol	10	U	10	2.6
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	2.6
91-20-3	Naphthalene	10	U	10	2.7
106-47-8	4-Chloroaniline	10	U	10	2.0
87-68-3	Hexachlorobutadiene	2.0	U	2.0	0.57
105-60-2	Caprolactam	10	U	10	2.5
59-50-7	4-Chloro-3-methylphenol	10	U	10	2.5
91-57-6	2-Methylnaphthalene	10	U	10	3.0
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.29
77-47-4	Hexachlorocyclopentadiene	10	U	10	1.7
88-06-2	2,4,6-Trichlorophenol	10	U	10	2.4
95-95-4	2,4,5-Trichlorophenol	10	U	10	2.6
92-52-4	Diphenyl	10	U	10	2.8
91-58-7	2-Chloronaphthalene	10	U	10	2.7
88-74-4	2-Nitroaniline	20	U	20	4.9
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.61
131-11-3	Dimethyl phthalate	10	U	10	2.8
208-96-8	Acenaphthylene	10	U	10	2.7
99-09-2	3-Nitroaniline	20	U	20	5.0
83-32-9	Acenaphthene	10	U	10	2.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-2 | Lab Sample ID: 460-50248-4

Matrix: Water | Lab File ID: z18162.d

Analysis Method: 8270C | Date Collected: 01/31/2013 11:00

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 22:17

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146779 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	30	U	30	6.7
51-28-5	2,4-Dinitrophenol	30	U	30	5.4
132-64-9	Dibenzofuran	10	U	10	2.8
84-66-2	Diethyl phthalate	10	U	10	2.9
86-73-7	Fluorene	10	U	10	2.8
206-44-0	Fluoranthene	10	U	10	3.2
84-74-2	Di-n-butyl phthalate	10	U	10	2.9
121-14-2	2,4-Dinitrotoluene	2.0	U	2.0	0.47
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	2.5
100-01-6	4-Nitroaniline	20	U	20	5.8
534-52-1	4,6-Dinitro-2-methylphenol	30	U	30	4.7
101-55-3	4-Bromophenyl phenyl ether	10	U	10	2.5
1912-24-9	Atrazine	10	U	10	3.0
120-12-7	Anthracene	10	U	10	2.8
86-74-8	Carbazole	10	U	10	3.2
85-01-8	Phenanthrene	10	U	10	3.1
87-86-5	Pentachlorophenol	30	U	30	5.3
129-00-0	Pyrene	10	U	10	2.9
218-01-9	Chrysene	10	U	10	3.1
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.26
191-24-2	Benzo[g,h,i]perylene	10	U	10	2.0
205-99-2	Benzo[b]fluoranthene	1.0	U	1.0	0.26
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.14
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.27
86-30-6	N-Nitrosodiphenylamine	10	U	10	2.9
85-68-7	Butyl benzyl phthalate	10	U	10	2.5
117-81-7	Bis(2-ethylhexyl) phthalate	10	U	10	2.0
117-84-0	Di-n-octyl phthalate	10	U	10	1.5
193-39-5	Indeno[1,2,3-cd]pyrene	1.0	U	1.0	0.15
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.090
91-94-1	3,3'-Dichlorobenzidine	20	U	20	4.9
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	2.6
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	2.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-2 | Lab Sample ID: 460-50248-4

Matrix: Water | Lab File ID: z18162.d

Analysis Method: 8270C | Date Collected: 01/31/2013 11:00

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 22:17

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146779 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	106		56-112
4165-62-2	Phenol-d5	31		10-48
1718-51-0	Terphenyl-d14	68		50-122
118-79-6	2,4,6-Tribromophenol	88		46-122
367-12-4	2-Fluorophenol	52		10-65
321-60-8	2-Fluorobiphenyl	97		53-108

Data File: /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18162.d
Report Date: 11-Feb-2013 20:16

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18162.d
Lab Smp Id: 460-50248-E-4-A Client Smp ID: MW-2
Inj Date : 08-FEB-2013 22:17
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : 460-50248-E-4-A
Misc Info : 460-50248-E-4-A
Comment   :
Method   : /chem/BNAMS11.i/8270/02-01-13/08feb13.b/8270C_11.m
Meth Date : 08-Feb-2013 13:24 ranav Quant Type: ISTD
Cal Date : 01-FEB-2013 05:31 Cal File: z16837.d
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-h20.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	2.734	2.734	(0.684)	265659	26.1887	52
$ 17 Phenol-d5 (SUR)	99	3.645	3.663	(0.912)	191135	15.6754	31
21 1,3-Dichlorobenzene	146	3.939	3.946	(0.985)	1969	0.16092	0.32(aH)
* 79 1,4-Dichlorobenzene-d4	152	3.998	3.999	(1.000)	301652	40.0000	
22 1,4-Dichlorobenzene	146	4.010	4.016	(1.003)	19635	1.61090	3.2(a)
23 1,2-Dichlorobenzene	146	4.169	4.169	(1.043)	10232	0.90092	1.8(a)
$ 76 Nitrobenzene-d5 (SUR)	82	4.557	4.569	(0.863)	542079	52.9656	100
* 80 Naphthalene-d8	136	5.281	5.287	(1.000)	1064523	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	6.369	6.375	(0.906)	778140	48.4168	97
* 82 Acenaphthene-d10	164	7.027	7.034	(1.000)	456618	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	7.810	7.810	(1.111)	85898	43.9884	88
115 n-Octadecane	57	8.433	8.404	(0.994)	60535	8.91672	18
* 83 Phenanthrene-d10	188	8.486	8.486	(1.000)	537373	40.0000	
$ 78 Terphenyl-d14	244	10.051	10.045	(0.900)	362205	34.1828	68
* 81 Chrysene-d12	240	11.168	11.169	(1.000)	346123	40.0000	

Data File: /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18162.d
Report Date: 11-Feb-2013 20:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 84 Perylene-d12	264	13.004	12.992	(1.000)	317306	40.0000	

QC Flag Legend

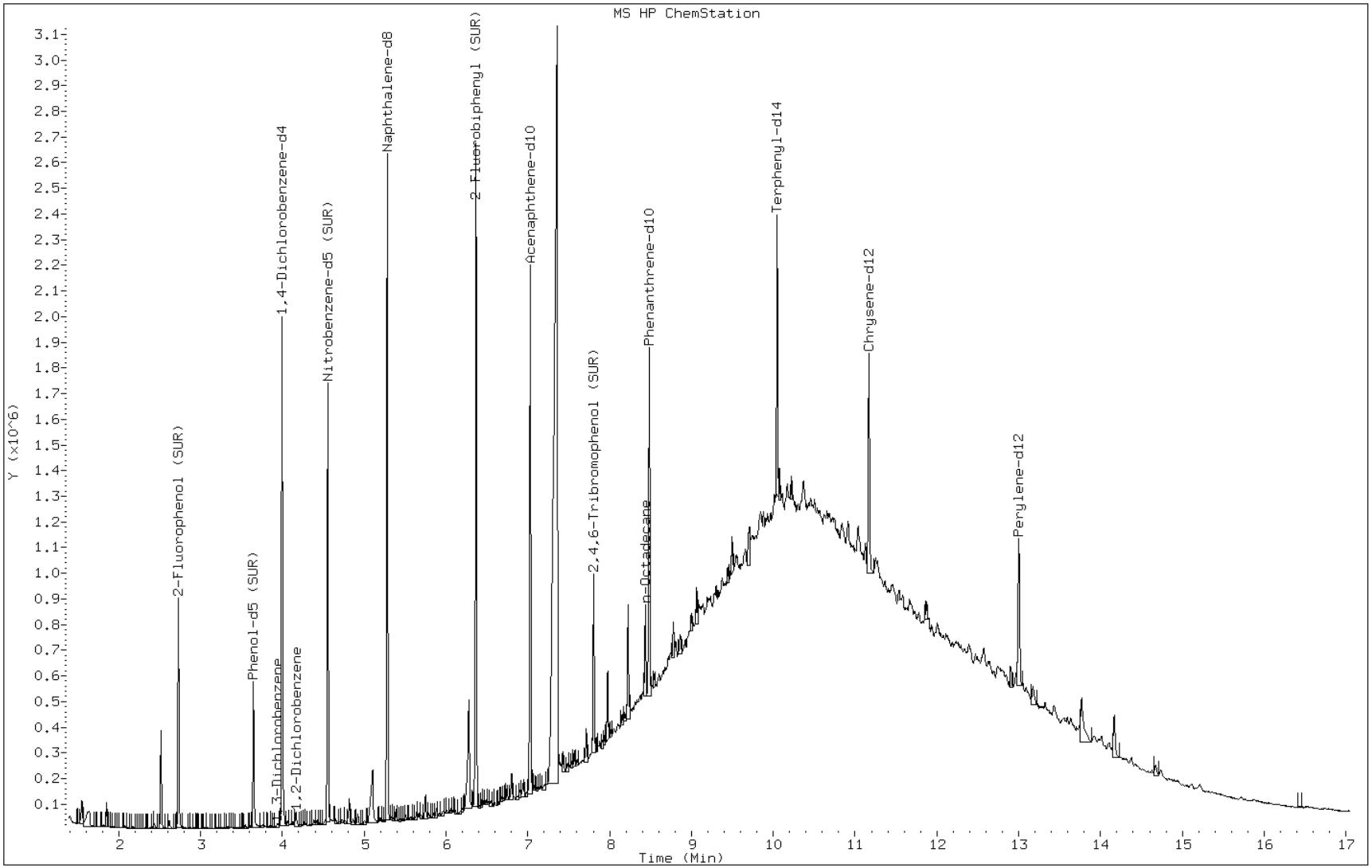
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: z18162.d

Date: 08-FEB-2013 22:17

Client ID: MW-2 Instrument: BNAMS11.i

Sample Info: 460-50248-E-4-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-2D | Lab Sample ID: 460-50248-5

Matrix: Water | Lab File ID: z18163.d

Analysis Method: 8270C | Date Collected: 01/31/2013 11:15

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 22:40

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146779 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	10	U	10	0.81
95-57-8	2-Chlorophenol	10	U	10	2.2
95-48-7	2-Methylphenol	10	U	10	1.8
106-44-5	4-Methylphenol	10	U	10	1.6
100-52-7	Benzaldehyde	10	U *	10	2.0
98-86-2	Acetophenone	10	U	10	2.7
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.28
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	2.0
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.25
98-95-3	Nitrobenzene	1.0	U	1.0	0.30
67-72-1	Hexachloroethane	1.0	U	1.0	0.25
78-59-1	Isophorone	10	U	10	2.7
88-75-5	2-Nitrophenol	10	U	10	2.4
105-67-9	2,4-Dimethylphenol	10	U	10	3.4
120-83-2	2,4-Dichlorophenol	10	U	10	2.6
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	2.6
91-20-3	Naphthalene	10	U	10	2.7
106-47-8	4-Chloroaniline	10	U	10	2.0
87-68-3	Hexachlorobutadiene	2.0	U	2.0	0.57
105-60-2	Caprolactam	10	U	10	2.5
59-50-7	4-Chloro-3-methylphenol	10	U	10	2.5
91-57-6	2-Methylnaphthalene	10	U	10	3.0
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.29
77-47-4	Hexachlorocyclopentadiene	10	U	10	1.7
88-06-2	2,4,6-Trichlorophenol	10	U	10	2.4
95-95-4	2,4,5-Trichlorophenol	10	U	10	2.6
92-52-4	Diphenyl	10	U	10	2.8
91-58-7	2-Chloronaphthalene	10	U	10	2.7
88-74-4	2-Nitroaniline	20	U	20	4.9
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.61
131-11-3	Dimethyl phthalate	10	U	10	2.8
208-96-8	Acenaphthylene	10	U	10	2.7
99-09-2	3-Nitroaniline	20	U	20	5.0
83-32-9	Acenaphthene	10	U	10	2.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-2D | Lab Sample ID: 460-50248-5

Matrix: Water | Lab File ID: z18163.d

Analysis Method: 8270C | Date Collected: 01/31/2013 11:15

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 22:40

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146779 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	30	U	30	6.7
51-28-5	2,4-Dinitrophenol	30	U	30	5.4
132-64-9	Dibenzofuran	10	U	10	2.8
84-66-2	Diethyl phthalate	10	U	10	2.9
86-73-7	Fluorene	10	U	10	2.8
206-44-0	Fluoranthene	10	U	10	3.2
84-74-2	Di-n-butyl phthalate	10	U	10	2.9
121-14-2	2,4-Dinitrotoluene	2.0	U	2.0	0.47
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	2.5
100-01-6	4-Nitroaniline	20	U	20	5.8
534-52-1	4,6-Dinitro-2-methylphenol	30	U	30	4.7
101-55-3	4-Bromophenyl phenyl ether	10	U	10	2.5
1912-24-9	Atrazine	10	U	10	3.0
120-12-7	Anthracene	10	U	10	2.8
86-74-8	Carbazole	10	U	10	3.2
85-01-8	Phenanthrene	10	U	10	3.1
87-86-5	Pentachlorophenol	30	U	30	5.3
129-00-0	Pyrene	10	U	10	2.9
218-01-9	Chrysene	10	U	10	3.1
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.26
191-24-2	Benzo[g,h,i]perylene	10	U	10	2.0
205-99-2	Benzo[b]fluoranthene	1.0	U	1.0	0.26
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.14
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.27
86-30-6	N-Nitrosodiphenylamine	10	U	10	2.9
85-68-7	Butyl benzyl phthalate	10	U	10	2.5
117-81-7	Bis(2-ethylhexyl) phthalate	10	U	10	2.0
117-84-0	Di-n-octyl phthalate	10	U	10	1.5
193-39-5	Indeno[1,2,3-cd]pyrene	1.0	U	1.0	0.15
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.090
91-94-1	3,3'-Dichlorobenzidine	20	U	20	4.9
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	2.6
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	2.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-2D | Lab Sample ID: 460-50248-5

Matrix: Water | Lab File ID: z18163.d

Analysis Method: 8270C | Date Collected: 01/31/2013 11:15

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 22:40

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146779 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	106		56-112
4165-62-2	Phenol-d5	27		10-48
1718-51-0	Terphenyl-d14	71		50-122
118-79-6	2,4,6-Tribromophenol	84		46-122
367-12-4	2-Fluorophenol	47		10-65
321-60-8	2-Fluorobiphenyl	99		53-108

Data File: /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18163.d
Report Date: 11-Feb-2013 20:16

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18163.d
Lab Smp Id: 460-50248-E-5-A Client Smp ID: MW-2D
Inj Date : 08-FEB-2013 22:40
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : 460-50248-E-5-A
Misc Info : 460-50248-E-5-A
Comment   :
Method   : /chem/BNAMS11.i/8270/02-01-13/08feb13.b/8270C_11.m
Meth Date : 08-Feb-2013 13:24 ranav Quant Type: ISTD
Cal Date : 01-FEB-2013 05:31 Cal File: z16837.d
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-h20.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	2.734	2.734	(0.684)	237891	23.2848	46
$ 17 Phenol-d5 (SUR)	99	3.646	3.663	(0.912)	167100	13.6069	27
21 1,3-Dichlorobenzene	146	3.940	3.946	(0.985)	1756	0.14249	0.28(a)
* 79 1,4-Dichlorobenzene-d4	152	3.998	3.999	(1.000)	303809	40.0000	
22 1,4-Dichlorobenzene	146	4.010	4.016	(1.003)	20488	1.66895	3.3(a)
23 1,2-Dichlorobenzene	146	4.169	4.169	(1.043)	9949	0.86978	1.7(a)
$ 76 Nitrobenzene-d5 (SUR)	82	4.557	4.569	(0.863)	529020	53.0883	110
* 80 Naphthalene-d8	136	5.281	5.287	(1.000)	1036477	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	6.369	6.375	(0.906)	761368	49.4508	99
* 82 Acenaphthene-d10	164	7.028	7.034	(1.000)	437434	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	7.810	7.810	(1.111)	78995	42.2275	84
115 n-Octadecane	57	8.433	8.404	(0.994)	50399	7.71847	15
* 83 Phenanthrene-d10	188	8.486	8.486	(1.000)	516851	40.0000	
$ 78 Terphenyl-d14	244	10.051	10.045	(0.899)	352052	35.2887	70(H)
* 81 Chrysene-d12	240	11.174	11.169	(1.000)	325878	40.0000	

Data File: /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18163.d
Report Date: 11-Feb-2013 20:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 84 Perylene-d12	264	13.004	12.992	(1.000)	278270	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: z18163.d

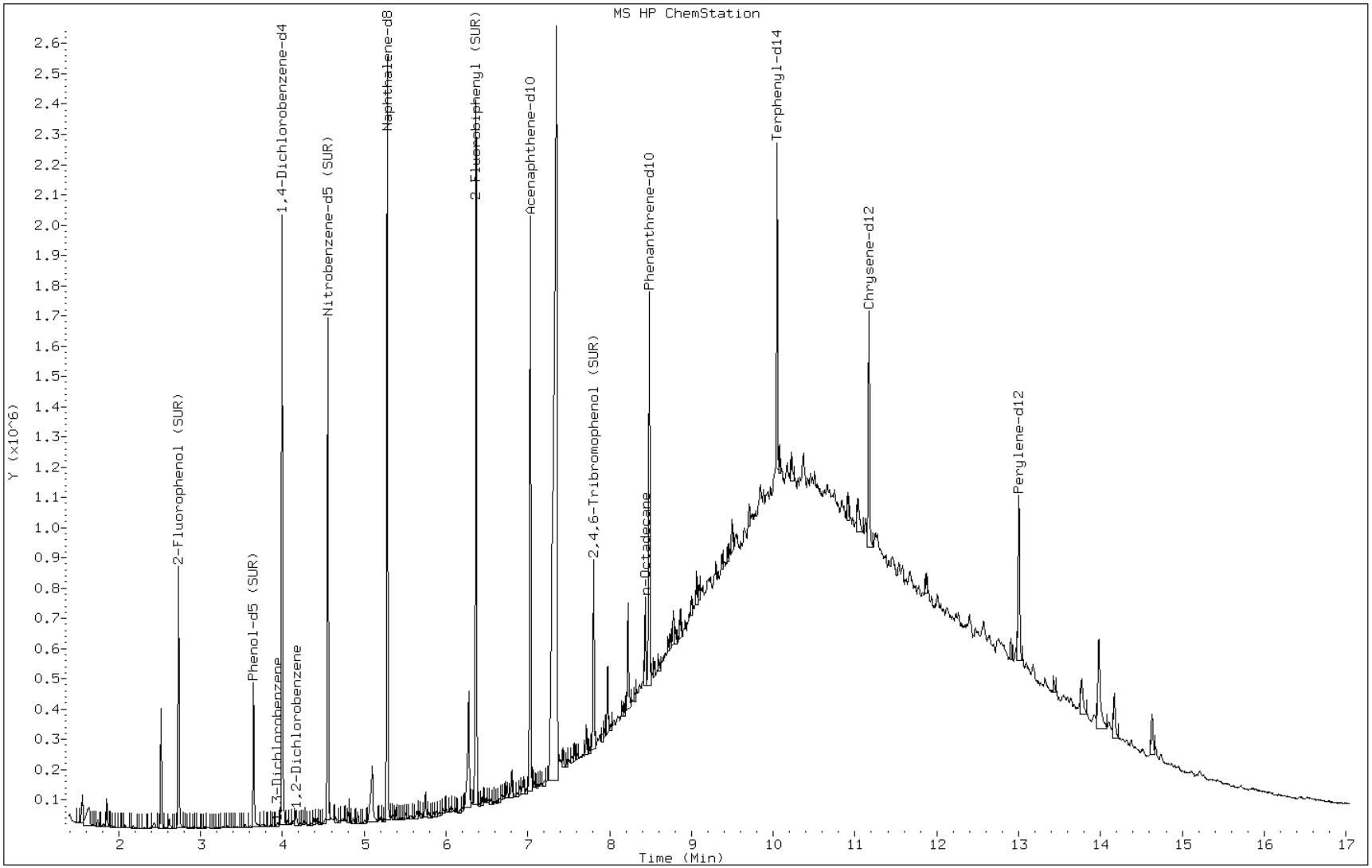
Date: 08-FEB-2013 22:40

Client ID: MW-2D

Instrument: BNAMS11.i

Sample Info: 460-50248-E-5-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-7 | Lab Sample ID: 460-50248-6

Matrix: Water | Lab File ID: z18196.d

Analysis Method: 8270C | Date Collected: 01/31/2013 12:00

Extract. Method: 3510C | Date Extracted: 02/07/2013 11:33

Sample wt/vol: 980(mL) | Date Analyzed: 02/10/2013 11:28

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146806 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	10	U	10	0.83
95-57-8	2-Chlorophenol	10	U	10	2.2
95-48-7	2-Methylphenol	10	U	10	1.8
106-44-5	4-Methylphenol	10	U	10	1.6
100-52-7	Benzaldehyde	10	U	10	2.0
98-86-2	Acetophenone	10	U	10	2.8
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.29
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	2.0
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.26
98-95-3	Nitrobenzene	1.0	U	1.0	0.31
67-72-1	Hexachloroethane	1.0	U	1.0	0.26
78-59-1	Isophorone	10	U	10	2.8
88-75-5	2-Nitrophenol	10	U	10	2.4
105-67-9	2,4-Dimethylphenol	10	U	10	3.5
120-83-2	2,4-Dichlorophenol	10	U	10	2.7
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	2.7
91-20-3	Naphthalene	10	U	10	2.8
106-47-8	4-Chloroaniline	10	U	10	2.0
87-68-3	Hexachlorobutadiene	2.0	U	2.0	0.58
105-60-2	Caprolactam	10	U	10	2.6
59-50-7	4-Chloro-3-methylphenol	10	U	10	2.6
91-57-6	2-Methylnaphthalene	10	U	10	3.1
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.30
77-47-4	Hexachlorocyclopentadiene	10	U	10	1.7
88-06-2	2,4,6-Trichlorophenol	10	U	10	2.4
95-95-4	2,4,5-Trichlorophenol	10	U	10	2.7
92-52-4	Diphenyl	10	U	10	2.9
91-58-7	2-Chloronaphthalene	10	U	10	2.8
88-74-4	2-Nitroaniline	20	U *	20	5.0
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.62
131-11-3	Dimethyl phthalate	10	U	10	2.9
208-96-8	Acenaphthylene	10	U	10	2.8
99-09-2	3-Nitroaniline	20	U	20	5.1
83-32-9	Acenaphthene	10	U	10	2.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-7 | Lab Sample ID: 460-50248-6

Matrix: Water | Lab File ID: z18196.d

Analysis Method: 8270C | Date Collected: 01/31/2013 12:00

Extract. Method: 3510C | Date Extracted: 02/07/2013 11:33

Sample wt/vol: 980(mL) | Date Analyzed: 02/10/2013 11:28

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146806 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	31	U	31	6.8
51-28-5	2,4-Dinitrophenol	31	U	31	5.5
132-64-9	Dibenzofuran	10	U	10	2.9
84-66-2	Diethyl phthalate	10	U	10	3.0
86-73-7	Fluorene	10	U	10	2.9
206-44-0	Fluoranthene	10	U	10	3.3
84-74-2	Di-n-butyl phthalate	10	U	10	3.0
121-14-2	2,4-Dinitrotoluene	2.0	U	2.0	0.48
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	2.6
100-01-6	4-Nitroaniline	20	U	20	5.9
534-52-1	4,6-Dinitro-2-methylphenol	31	U	31	4.8
101-55-3	4-Bromophenyl phenyl ether	10	U	10	2.6
1912-24-9	Atrazine	10	U	10	3.1
120-12-7	Anthracene	10	U	10	2.9
86-74-8	Carbazole	10	U	10	3.3
85-01-8	Phenanthrene	10	U	10	3.2
87-86-5	Pentachlorophenol	31	U	31	5.4
129-00-0	Pyrene	10	U	10	3.0
218-01-9	Chrysene	10	U	10	3.2
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.27
191-24-2	Benzo[g,h,i]perylene	10	U	10	2.0
205-99-2	Benzo[b]fluoranthene	0.59	J	1.0	0.27
50-32-8	Benzo[a]pyrene	0.41	J	1.0	0.14
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.28
86-30-6	N-Nitrosodiphenylamine	10	U	10	3.0
85-68-7	Butyl benzyl phthalate	10	U	10	2.6
117-81-7	Bis(2-ethylhexyl) phthalate	10	U	10	2.0
117-84-0	Di-n-octyl phthalate	10	U	10	1.5
193-39-5	Indeno[1,2,3-cd]pyrene	0.47	J	1.0	0.15
53-70-3	Dibenz(a,h)anthracene	0.28	J	1.0	0.092
91-94-1	3,3'-Dichlorobenzidine	20	U	20	5.0
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U *	10	2.7
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	2.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-7 | Lab Sample ID: 460-50248-6

Matrix: Water | Lab File ID: z18196.d

Analysis Method: 8270C | Date Collected: 01/31/2013 12:00

Extract. Method: 3510C | Date Extracted: 02/07/2013 11:33

Sample wt/vol: 980(mL) | Date Analyzed: 02/10/2013 11:28

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146806 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	73		56-112
4165-62-2	Phenol-d5	18		10-48
1718-51-0	Terphenyl-d14	69		50-122
118-79-6	2,4,6-Tribromophenol	63		46-122
367-12-4	2-Fluorophenol	31		10-65
321-60-8	2-Fluorobiphenyl	71		53-108

Data File: /chem/BNAMS11.i/8270/02-01-13/09feb13.b/z18196.d
Report Date: 10-Feb-2013 21:10

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/02-01-13/09feb13.b/z18196.d
Lab Smp Id: 460-50248-E-6-B
Inj Date : 10-FEB-2013 11:28
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : 460-50248-E-6-B
Misc Info :
Comment :
Method : /chem/BNAMS11.i/8270/02-01-13/09feb13.b/8270C_11.m
Meth Date : 10-Feb-2013 01:18 wahied Quant Type: ISTD
Cal Date : 01-FEB-2013 05:31 Cal File: z16837.d
Als bottle: 31
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-h20.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	2.710	2.704	(0.682)	186309	15.4131	31
$ 17 Phenol-d5 (SUR)	99	3.628	3.640	(0.913)	129852	8.93698	18
21 1,3-Dichlorobenzene	146	3.916	3.922	(0.985)	6417	0.44011	0.88(a)
* 79 1,4-Dichlorobenzene-d4	152	3.975	3.975	(1.000)	359452	40.0000	
22 1,4-Dichlorobenzene	146	3.993	3.992	(1.004)	29157	2.00746	4.0(a)
23 1,2-Dichlorobenzene	146	4.146	4.145	(1.043)	2331	0.17224	0.34(a)
$ 76 Nitrobenzene-d5 (SUR)	82	4.540	4.545	(0.863)	451286	36.3351	73
* 80 Naphthalene-d8	136	5.263	5.263	(1.000)	1291849	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	6.351	6.357	(0.906)	742509	35.3959	71
* 82 Acenaphthene-d10	164	7.010	7.016	(1.000)	595992	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	7.792	7.798	(1.112)	80547	31.6022	63
115 n-Octadecane	57	8.416	8.392	(0.994)	7966	0.91171	1.8(a)
* 83 Phenanthrene-d10	188	8.469	8.475	(1.000)	691607	40.0000	
52 Phenanthrene	178	8.486	8.498	(1.002)	2140	0.10926	0.22(a)
56 Fluoranthene	202	9.651	9.657	(1.140)	3350	0.19624	0.39(a)

Data File: /chem/BNAMS11.i/8270/02-01-13/09feb13.b/z18196.d
Report Date: 10-Feb-2013 21:10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	57 Pyrene	202	9.869	9.874	(0.885)	3761	0.25339	0.51(a)
$	78 Terphenyl-d14	244	10.033	10.039	(0.900)	354246	34.5961	69
*	81 Chrysene-d12	240	11.145	11.157	(1.000)	334473	40.0000	
	65 Benzo(b)fluoranthene	252	12.474	12.486	(0.961)	2701	0.29155	0.58(a)
	67 Benzo(a)pyrene	252	12.898	12.910	(0.994)	1492	0.20326	0.41(a)
*	84 Perylene-d12	264	12.980	12.986	(1.000)	295860	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	14.386	14.398	(1.108)	1386	0.22951	0.46(aH)
	69 Dibenz(a,h)anthracene	278	14.415	14.439	(1.111)	847	0.13527	0.27(a)
	70 Benzo(g,h,i)perylene	276	14.751	14.774	(1.136)	1908	0.31087	0.62(a)

QC Flag Legend

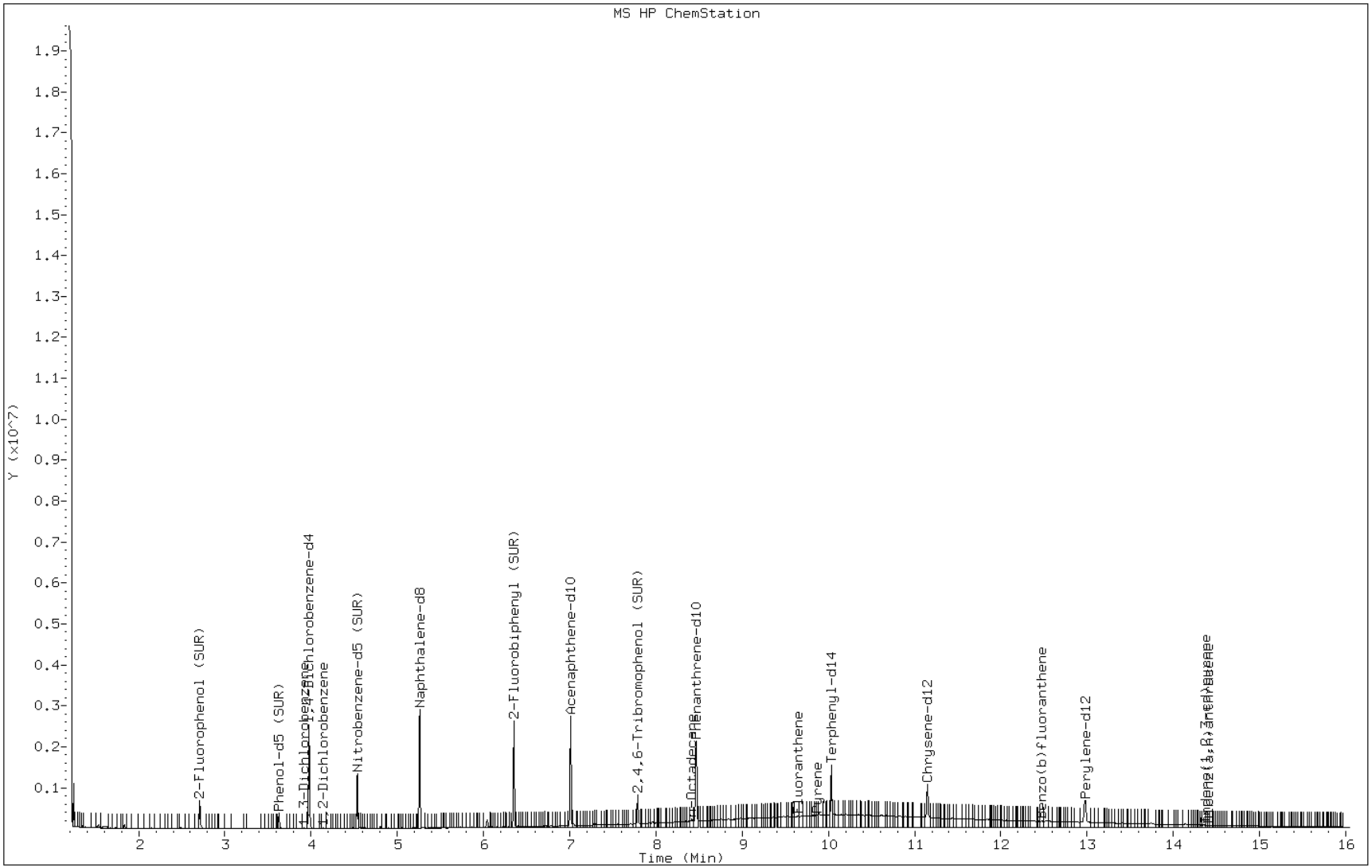
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: z18196.d

Date: 10-FEB-2013 11:28

Client ID: Instrument: BNAMS11.i

Sample Info: 460-50248-E-6-B Operator: BNAMS 4



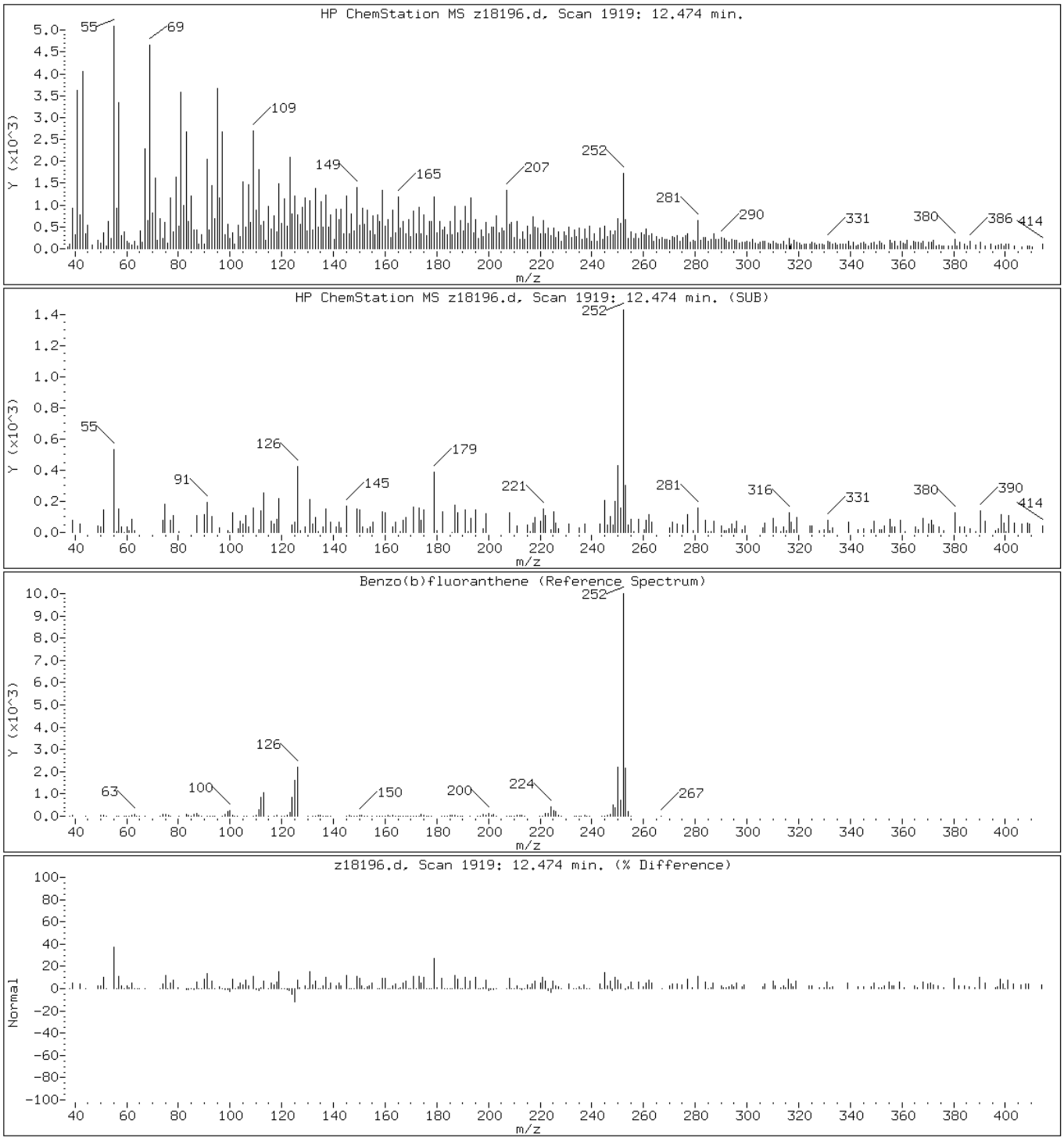
Data File: z18196.d

Date: 10-FEB-2013 11:28

Client ID: Instrument: BNAMS11.i

Sample Info: 460-50248-E-6-B Operator: BNAMS 4

65 Benzo(b)fluoranthene



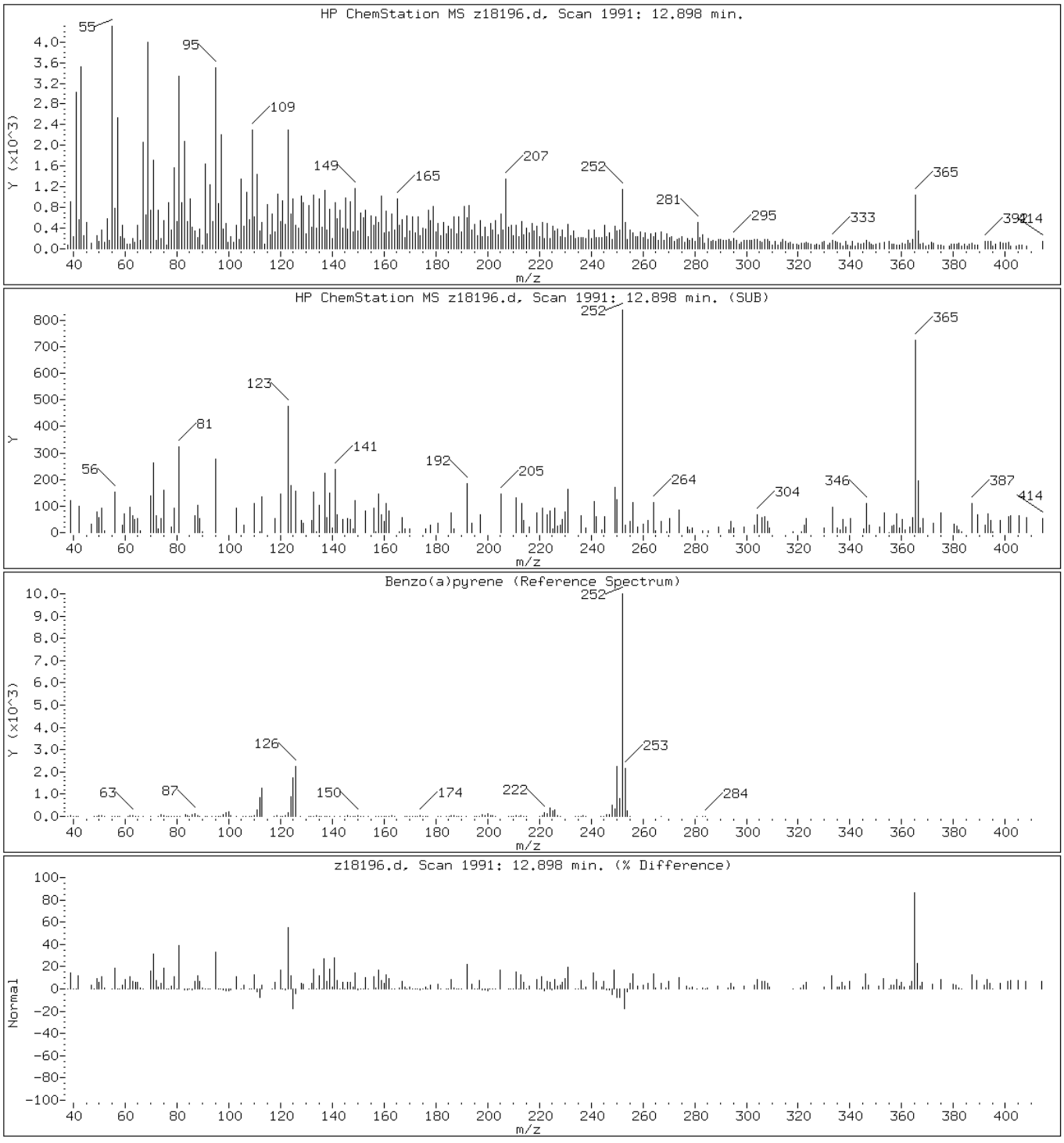
Data File: z18196.d

Date: 10-FEB-2013 11:28

Client ID: Instrument: BNAMS11.i

Sample Info: 460-50248-E-6-B Operator: BNAMS 4

67 Benzo(a)pyrene



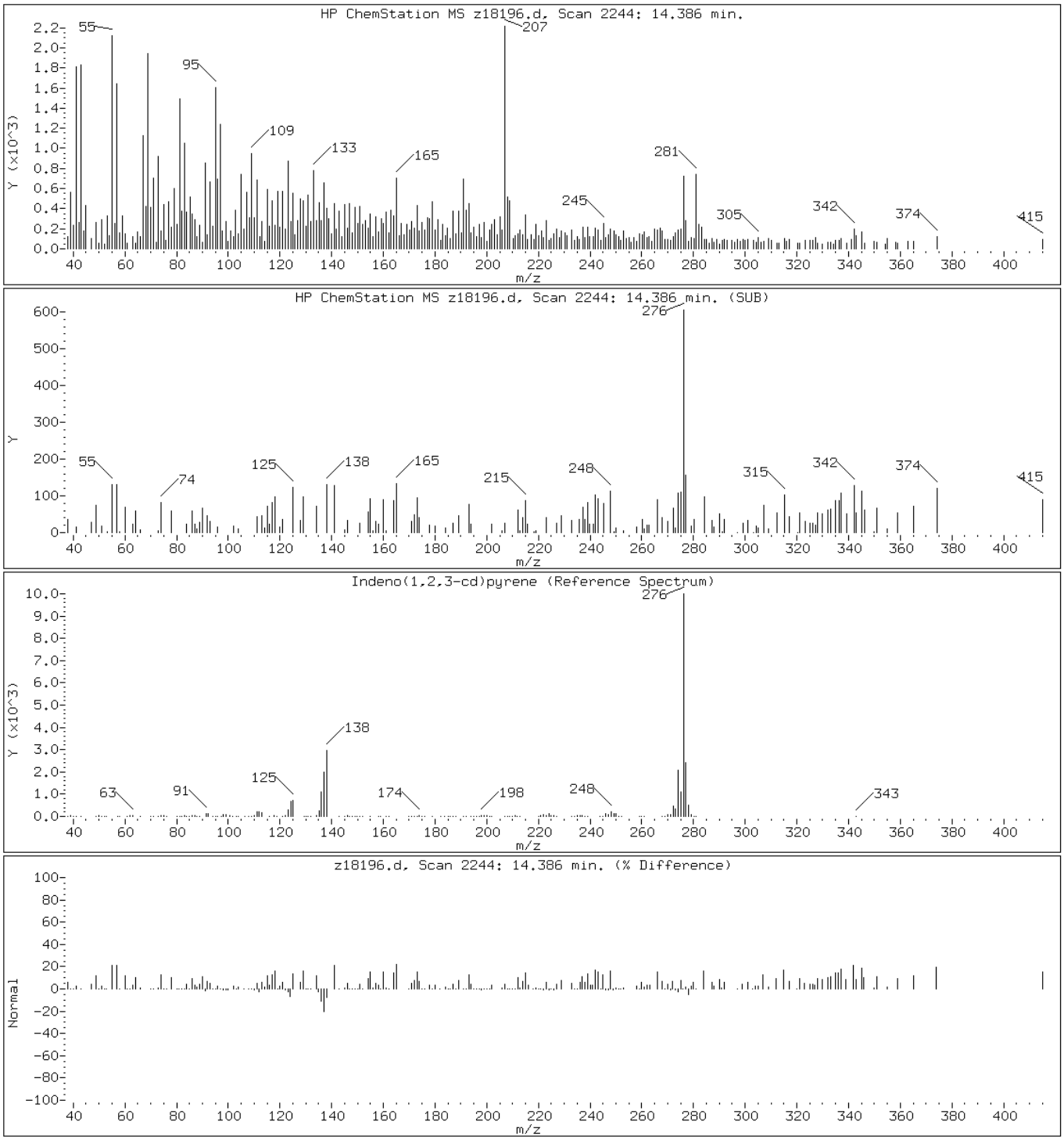
Data File: z18196.d

Date: 10-FEB-2013 11:28

Client ID: Instrument: BNAMS11.i

Sample Info: 460-50248-E-6-B Operator: BNAMS 4

68 Indeno(1,2,3-cd)pyrene



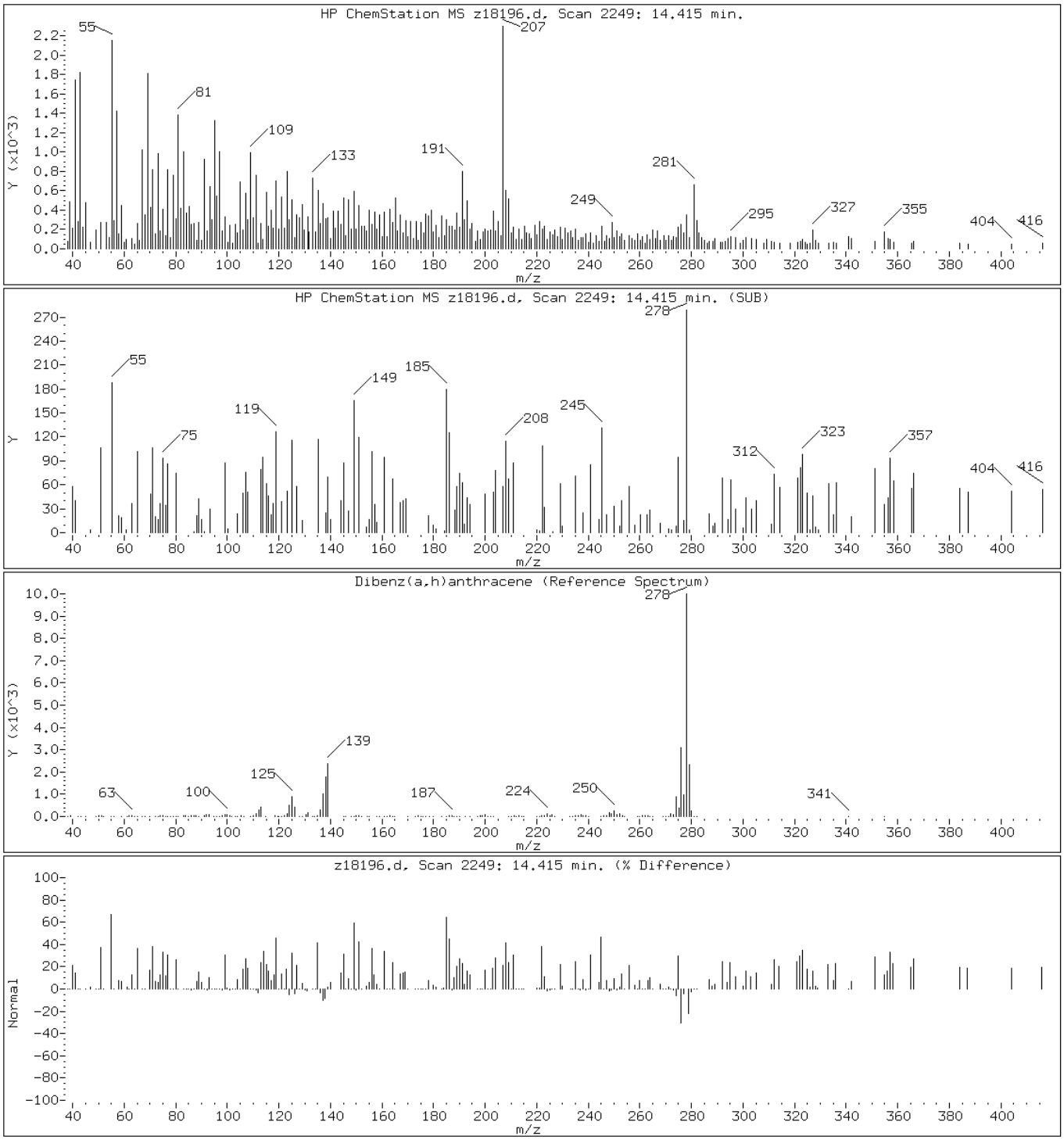
Data File: z18196.d

Date: 10-FEB-2013 11:28

Client ID: Instrument: BNAMS11.i

Sample Info: 460-50248-E-6-B Operator: BNAMS 4

69 Dibenz(a,h)anthracene



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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 145619

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/01/2013 03:01 Calibration End Date: 02/01/2013 05:31 Calibration ID: 20080

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-145619/7	z16837.d
Level 2	IC 460-145619/6	z16836.d
Level 3	IC 460-145619/5	z16835.d
Level 4	ICIS 460-145619/2	z16832.d
Level 5	IC 460-145619/4	z16834.d
Level 6	IC 460-145619/3	z16833.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1-Naphthylamine	0 0	0	0	0	0	Ave								30.0			
2-Naphthylamine	0 0	0	0	0	0	Ave								15.0			
o-Toluidine	0 0	0	0	0	0	Ave								15.0			
1,4-Dioxane	0.5826 0.5935	0.5827	0.5703	0.5809	0.5818	Ave		0.5820				1.3		15.0			
N-Nitrosodimethylamine	0.7615 0.8284	0.7727	0.7873	0.7895	0.8235	Ave		0.7938				3.4		15.0			
2,3,7,8-TCDD (Screen)	+++++ +++++	+++++	+++++	0.2453	+++++	Ave		0.2453						15.0			
Pyridine	1.4358 1.4474	1.4296	1.4328	1.4073	1.4408	Ave		1.4323				1.0		15.0			
Benzaldehyde	0.9463 +++++	0.8195	0.6271	0.4649	0.1894	Ave		0.6095				48.9	*	15.0			
Phenol	1.9371 1.6865	1.8432	1.8477	1.6260	1.6057	Ave		1.7577				7.8		30.0			
Aniline	2.0049 +++++	2.0438	2.0401	1.9113	1.7161	Ave		1.9432				7.1		15.0			
Bis(2-chloroethyl)ether	1.5510 2.0996	1.4516	1.3742	1.3688	1.4973	QuaF		0.8249	-0.055						0.9996		0.9900
2-Chlorophenol	1.4706 1.3469	1.4092	1.4468	1.3407	1.3260	Ave		1.3900				4.4		15.0			
Decane	1.2986 1.1541	1.2646	1.3162	1.2414	1.1261	Ave		1.2335				6.3		15.0			
1,3-Dichlorobenzene	1.6815 1.5749	1.6542	1.6323	1.6289	1.5632	Ave		1.6225				2.8		15.0			
1,4-Dichlorobenzene	1.6826 1.5673	1.6705	1.6109	1.6083	1.5580	Ave		1.6163				3.2		30.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 145619

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/01/2013 03:01 Calibration End Date: 02/01/2013 05:31 Calibration ID: 20080

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzyl alcohol	0.7942 0.7801	0.8220	0.8172	0.8161	0.8018	Ave		0.8052				2.0		15.0			
1,2-Dichlorobenzene	1.5943 1.4152	1.5557	1.5278	1.5053	1.4377	Ave		1.5060				4.6		15.0			
2-Methylphenol	1.2360 1.0974	1.1916	1.2082	1.1001	1.0650	Ave		1.1497				6.2		15.0			
2,2'-oxybis[1-chloropropane]	1.4466 1.1868	1.4266	1.3874	1.3357	1.2274	Ave		1.3351				8.0		15.0			
Acetophenone	1.8609 1.6244	1.8637	1.7706	1.6531	1.5679	Ave		1.7234				7.3		15.0			
N-Nitrosodi-n-propylamine	0.8656 0.8010	0.8788	0.8928	0.7688	0.8265	Ave		0.8389			0.0500	5.8		15.0			
3 & 4 Methylphenol	1.3711 1.0881	1.2522	1.2729	1.0842	1.0494	Ave		1.1863				11.0		15.0			
4-Methylphenol	1.3799 1.0881	1.2570	1.2697	1.0942	1.0493	Ave		1.1897				11.0		15.0			
Hexachloroethane	0.6045 0.5720	0.6237	0.6160	0.6069	0.5815	Ave		0.6008				3.3		15.0			
Nitrobenzene	0.5756 0.4569	0.5370	0.5052	0.4998	0.4698	Ave		0.5074				8.6		15.0			
n,n'-Dimethylaniline	1.8293 1.8216	2.0224	2.0030	1.9014	1.8716	Ave		1.9082				4.5		15.0			
Isophorone	0.6106 0.5636	0.5817	0.5938	0.5797	0.5639	Ave		0.5822				3.1		15.0			
2-Nitrophenol	0.1797 0.2063	0.1784	0.1910	0.1896	0.1878	Ave		0.1888				5.3		30.0			
2,4-Dimethylphenol	0.3268 0.2940	0.3013	0.3051	0.2864	0.2812	Ave		0.2991				5.4		15.0			
Bis(2-chloroethoxy)methane	0.4076 0.3694	0.3956	0.3873	0.3886	0.3753	Ave		0.3873				3.6		15.0			
Benzoic acid	0.0808 0.1636	0.1001	0.1410	0.1504	0.1521	LinF		0.1588							0.9945		0.9900
2,4-Dichlorophenol	0.2788 0.2580	0.2673	0.2726	0.2546	0.2458	Ave		0.2628				4.7		30.0			
1,2,4-Trichlorobenzene	0.3358 0.3062	0.3282	0.3153	0.3153	0.3061	Ave		0.3178				3.8		15.0			
Naphthalene	1.0940 0.9842	1.0602	1.0396	1.0361	1.0026	Ave		1.0361				3.8		15.0			
4-Chloroaniline	0.3891 0.3121	0.3780	0.3729	0.3521	0.3278	Ave		0.3553				8.5		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 145619

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/01/2013 03:01 Calibration End Date: 02/01/2013 05:31 Calibration ID: 20080

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.1963 0.1679	0.1797	0.1741	0.1744	0.1677	Ave		0.1767				6.0		30.0			
Caprolactam	0.0700 0.0754	0.0762	0.0826	0.0778	0.0679	Ave		0.0750				7.1		15.0			
4-Chloro-3-methylphenol	0.2775 0.2506	0.2604	0.2751	0.2472	0.2386	Ave		0.2582				6.1		30.0			
2-Methylnaphthalene	0.6667 0.6015	0.6463	0.6434	0.6230	0.6001	Ave		0.6302				4.2		15.0			
1-Methylnaphthalene	0.6853 0.6380	0.6432	0.6969	0.6412	0.6107	Ave		0.6525				5.0		15.0			
Hexachlorocyclopentadiene	0.3412 0.3470	0.3016	0.3111	0.3367	0.3562	Ave		0.3323			0.0500	6.4		15.0			
1,2,4,5-Tetrachlorobenzene	0.6394 0.6307	0.5873	0.6149	0.6136	0.6102	Ave		0.6160				2.9		30.0			
2-tertbutyl-4-methylphenol	0.4619 0.4209	0.4426	0.4763	0.4219	0.4074	Ave		0.4385				6.1		15.0			
2,4,6-Trichlorophenol	0.3544 0.3961	0.3454	0.3682	0.3594	0.3722	Ave		0.3660				4.8		30.0			
2,4,5-Trichlorophenol	0.3804 0.3739	0.3679	0.3844	0.3758	0.3641	Ave		0.3744				2.0		15.0			
Diphenyl	1.6804 1.5683	1.6541	1.5528	1.5606	1.5319	Ave		1.5914				3.8		15.0			
2-Chloronaphthalene	1.2349 1.1084	1.2227	1.2072	1.1967	1.1642	Ave		1.1890				3.9		15.0			
Diphenyl ether	0.8674 0.8164	0.8477	0.8385	0.8475	0.8453	Ave		0.8438				2.0		15.0			
2-Nitroaniline	0.3549 0.2916	0.3980	0.3930	0.3219	0.3061	Ave		0.3443				13.1		15.0			
Dimethylnaphthalene, total	1.0429 1.0077	1.0010	1.0652	1.0209	0.9961	Ave		1.0223				2.6		15.0			
Dimethyl phthalate	1.1524 1.0861	1.1615	1.1692	1.1492	1.1181	Ave		1.1394				2.8		15.0			
Coumarin	0.1764 0.1669	0.1681	0.1949	0.1647	0.1602	Ave		0.1718				7.3		15.0			
2,6-Dinitrotoluene	0.2552 0.2649	0.2741	0.2804	0.2776	0.2785	Ave		0.2718				3.6		15.0			
Acenaphthylene	1.9380 1.7021	1.8148	1.8036	1.7921	1.7525	Ave		1.8005				4.4		15.0			
3-Nitroaniline	0.2780 0.2413	0.2837	0.2846	0.2679	0.2634	Ave		0.2698				6.1		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 145619

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/01/2013 03:01 Calibration End Date: 02/01/2013 05:31 Calibration ID: 20080

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
3,5-di-tert-butyl-4-hydroxytol	1.1032 0.9737	1.0646	1.1244	0.9855	0.9810	Ave		1.0387				6.5		15.0			
Acenaphthene	1.1355 0.9834	1.1193	1.0915	1.0615	1.0120	Ave		1.0672				5.6		30.0			
2,4-Dinitrophenol	0.0728 0.1482	0.1000	0.1187	0.1367	0.1538	QuaF		7.8319	-2.776		0.0500				0.9923		0.9900
4-Nitrophenol	0.1563 0.1722	0.1781	0.1766	0.1768	0.1828	Ave		0.1738			0.0500	5.3		15.0			
2,4-Dinitrotoluene	0.3332 0.3033	0.3420	0.3439	0.3249	0.3256	Ave		0.3288				4.5		15.0			
Dibenzofuran	1.5738 1.4206	1.5547	1.5449	1.4935	1.4786	Ave		1.5110				3.8		15.0			
2,3,4,6-Tetrachlorophenol	0.2357 0.2522	0.2408	0.2512	0.2512	0.2613	Ave		0.2487				3.7		30.0			
Diethyl phthalate	1.0706 1.0265	1.1037	1.0965	1.0724	1.0653	Ave		1.0725				2.5		15.0			
4-Chlorophenyl phenyl ether	0.5989 0.5071	0.5835	0.5745	0.5534	0.5405	Ave		0.5596				5.9		15.0			
Fluorene	1.2501 1.1070	1.2446	1.2415	1.2071	1.1630	Ave		1.2022				4.7		15.0			
4-Nitroaniline	0.2410 0.2125	0.2501	0.2594	0.2400	0.2426	Ave		0.2409				6.5		15.0			
4,6-Dinitro-2-methylphenol	0.1031 0.1469	0.1195	0.1271	0.1395	0.1500	Ave		0.1310				13.7		15.0			
N-Nitrosodiphenylamine	0.6249 0.5937	0.5857	0.5888	0.5959	0.5837	Ave		0.5955				2.5		30.0			
1,2-Diphenylhydrazine	0.9471 1.0824	1.0942	1.0583	1.0663	1.0075	Ave		1.0426				5.3		15.0			
4-Bromophenyl phenyl ether	0.2443 0.2449	0.2373	0.2410	0.2430	0.2432	Ave		0.2423				1.2		15.0			
Hexachlorobenzene	0.2767 0.2548	0.2570	0.2592	0.2529	0.2573	Ave		0.2597				3.3		15.0			
Atrazine	0.2179 0.1904	0.2085	0.1971	0.1963	0.1911	Ave		0.2002				5.4		15.0			
Pentachlorophenol	0.1117 0.1454	0.1223	0.1291	0.1419	0.1457	Ave		0.1327				10.5		30.0			
Pentachloronitrobenzene	0.0995 0.0887	0.0999	0.0937	0.0901	0.0933	Ave		0.0942				5.0		15.0			
n-Octadecane	0.5003 0.5101	0.4938	0.5277	0.5094	0.4909	Ave		0.5053				2.7		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 145619

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/01/2013 03:01 Calibration End Date: 02/01/2013 05:31 Calibration ID: 20080

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Phenanthrene	1.2028 1.0844	1.1587	1.1265	1.1252	1.0989	Ave		1.1328				3.8		15.0			
Anthracene	1.1915 1.0969	1.1695	1.1532	1.1479	1.1108	Ave		1.1449				3.1		15.0			
Carbazole	0.9912 0.8593	0.9504	0.9317	0.9196	0.9008	Ave		0.9255				4.8		15.0			
Di-n-butyl phthalate	1.1227 1.1083	1.1586	1.1557	1.1703	1.1409	Ave		1.1428				2.1		15.0			
Fluoranthene	1.0445 0.9064	1.0260	0.9940	1.0093	0.9437	Ave		0.9873				5.3		30.0			
Benzidine	0.3580 +++++	0.3597	0.2524	0.0796	0.0331	Ave		0.2166				70.8	*	15.0			
Pyrene	1.5999 1.8636	1.6861	1.7131	1.8473	1.9402	Ave		1.7750				7.2		15.0			
Butyl benzyl phthalate	0.5958 0.7107	0.6494	0.6516	0.7094	0.7426	Ave		0.6766				8.0		15.0			
Carbamazepine	0.3531 0.4899	0.3814	0.4695	0.4548	0.4805	Ave		0.4382				13.0		15.0			
3,3'-Dichlorobenzidine	0.4111 0.2450	0.3970	0.3650	0.3043	0.2701	QuaF		2.1929	2.6213						0.9985		0.9900
Benzo[a]anthracene	1.4033 1.1587	1.1584	1.1489	1.1827	1.1682	Ave		1.2034				8.2		15.0			
Chrysene	1.1428 1.0353	1.1419	1.1334	1.1043	1.1010	Ave		1.1098				3.7		15.0			
Bis(2-ethylhexyl) phthalate	0.8428 0.9149	0.8698	0.8655	0.9440	0.9582	Ave		0.8992				5.2		15.0			
Di-n-octyl phthalate	1.5708 1.8823	1.7731	1.7885	2.0238	2.0796	Ave		1.8530				10.0		30.0			
Benzo[b]fluoranthene	1.1917 1.2222	1.2799	1.2637	1.2997	1.2579	Ave		1.2525				3.1		15.0			
Benzo[k]fluoranthene	1.2965 1.3349	1.3656	1.4212	1.3789	1.3976	Ave		1.3658				3.3		15.0			
Benzo[a]pyrene	0.9325 0.9962	0.9710	1.0100	1.0283	1.0166	Ave		0.9924				3.6		30.0			
Indeno[1,2,3-cd]pyrene	0.6823 0.8977	0.7259	0.8096	0.8705	0.9126	Ave		0.8164				11.6		15.0			
Dibenz(a,h)anthracene	0.7479 0.8946	0.8089	0.8331	0.8837	0.9111	Ave		0.8466				7.3		15.0			
Benzo[g,h,i]perylene	0.7691 0.8631	0.7931	0.8091	0.8635	0.8808	Ave		0.8298				5.5		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 145619

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/01/2013 03:01 Calibration End Date: 02/01/2013 05:31 Calibration ID: 20080

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Fluorophenol	1.3381 1.3575	1.3604	1.3902	1.3152	1.3093	Ave		1.3451				2.3		15.0			
Phenol-d5	1.7082 1.5445	1.6846	1.7004	1.5684	1.4952	Ave		1.6169				5.7		15.0			
Nitrobenzene-d5	0.4021 0.3789	0.3794	0.3874	0.3917	0.3679	Ave		0.3846				3.1		15.0			
2-Fluorobiphenyl	1.4752 1.3977	1.3565	1.4116	1.4191	1.3872	Ave		1.4079				2.8		15.0			
2,4,6-Tribromophenol	0.1614 0.1768	0.1660	0.1743	0.1712	0.1766	Ave		0.1711				3.6		15.0			
Terphenyl-d14	1.1272 1.3339	1.1009	1.1876	1.2704	1.3272	Ave		1.2245				8.2		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 145619

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/01/2013 03:01 Calibration End Date: 02/01/2013 05:31 Calibration ID: 20080

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-145619/7	z16837.d
Level 2	IC 460-145619/6	z16836.d
Level 3	IC 460-145619/5	z16835.d
Level 4	ICIS 460-145619/2	z16832.d
Level 5	IC 460-145619/4	z16834.d
Level 6	IC 460-145619/3	z16833.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1-Naphthylamine	ANT	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
2-Naphthylamine	ANT	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
o-Toluidine	DCB	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
1,4-Dioxane	DCB	Ave	28914 685894	53118	106517	275532	494834	5.00 120	10.0	20.0	50.0	80.0
N-Nitrosodimethylamine	DCB	Ave	37796 957405	70436	147062	374497	700454	5.00 120	10.0	20.0	50.0	80.0
2,3,7,8-TCDD (Screen)	CRY	Ave	+++++ +++++	+++++	+++++	1223	+++++	+++++ +++++	+++++	+++++	0.500	+++++
Pyridine	DCB	Ave	71258 1672662	130307	267634	667526	1225472	5.00 120	10.0	20.0	50.0	80.0
Benzaldehyde	DCB	Ave	46967 +++++	74695	117140	220532	161108	5.00 +++++	10.0	20.0	50.0	80.0
Phenol	DCB	Ave	96140 1949020	168009	345122	771261	1365774	5.00 120	10.0	20.0	50.0	80.0
Aniline	DCB	Ave	99506 +++++	186295	381060	906574	1459676	5.00 +++++	10.0	20.0	50.0	80.0
Bis(2-chloroethyl)ether	DCB	QuaF	7698 2426474	132321	256689	649267	1273548	0.500 120	10.0	20.0	50.0	80.0
2-Chlorophenol	DCB	Ave	72989 1556510	128452	270251	635911	1127878	5.00 120	10.0	20.0	50.0	80.0
Decane	DCB	Ave	64450 1333707	115270	245854	588836	957870	5.00 120	10.0	20.0	50.0	80.0
1,3-Dichlorobenzene	DCB	Ave	83457 1820087	150786	304885	772608	1329614	5.00 120	10.0	20.0	50.0	80.0
1,4-Dichlorobenzene	DCB	Ave	83511 1811282	152268	300891	762860	1325219	5.00 120	10.0	20.0	50.0	80.0
Benzyl alcohol	DCB	Ave	39415 901497	74924	152641	387103	681972	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 145619

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/01/2013 03:01 Calibration End Date: 02/01/2013 05:31 Calibration ID: 20080

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2-Dichlorobenzene	DCB	Ave	79127 1635543	141806	285379	713987	1222875	5.00 120	10.0	20.0	50.0	80.0
2-Methylphenol	DCB	Ave	61346 1268194	108620	225683	521800	905861	5.00 120	10.0	20.0	50.0	80.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	71797 1371570	130036	259150	633547	1043970	5.00 120	10.0	20.0	50.0	80.0
Acetophenone	DCB	Ave	92359 1877215	169883	330731	784080	1333643	5.00 120	10.0	20.0	50.0	80.0
N-Nitrosodi-n-propylamine	DCB	Ave	4296 925666	80101	166769	364674	702994	0.500 120	10.0	20.0	50.0	80.0
3 & 4 Methylphenol	DCB	Ave	68050 1257431	114140	237768	514252	892581	5.00 120	10.0	20.0	50.0	80.0
4-Methylphenol	DCB	Ave	68486 1257431	114582	237161	518982	892513	5.00 120	10.0	20.0	50.0	80.0
Hexachloroethane	DCB	Ave	3000 661048	56850	115053	287871	494626	0.500 120	10.0	20.0	50.0	80.0
Nitrobenzene	NPT	Ave	10265 1850422	178447	348921	833368	1429068	0.500 120	10.0	20.0	50.0	80.0
n,n'-Dimethylaniline	DCB	Ave	9079 2105110	184345	374129	901860	1591973	0.500 120	10.0	20.0	50.0	80.0
Isophorone	NPT	Ave	108894 2282271	193295	410115	966703	1715415	5.00 120	10.0	20.0	50.0	80.0
2-Nitrophenol	NPT	Ave	32045 835277	59271	131932	316138	571173	5.00 120	10.0	20.0	50.0	80.0
2,4-Dimethylphenol	NPT	Ave	58277 1190427	100124	210747	477654	855351	5.00 120	10.0	20.0	50.0	80.0
Bis(2-chloroethoxy)methane	NPT	Ave	72681 1495872	131450	267519	648029	1141577	5.00 120	10.0	20.0	50.0	80.0
Benzoic acid	NPT	LinF	14404 662697	33259	97373	250719	462623	5.00 120	10.0	20.0	50.0	80.0
2,4-Dichlorophenol	NPT	Ave	49714 1044753	88833	188277	424566	747603	5.00 120	10.0	20.0	50.0	80.0
1,2,4-Trichlorobenzene	NPT	Ave	5989 1240089	109053	217738	525806	930988	0.500 120	10.0	20.0	50.0	80.0
Naphthalene	NPT	Ave	195100 3985494	352323	717983	1727762	3049963	5.00 120	10.0	20.0	50.0	80.0
4-Chloroaniline	NPT	Ave	69395 1263972	125604	257553	587079	997145	5.00 120	10.0	20.0	50.0	80.0
Hexachlorobutadiene	NPT	Ave	7003 679921	59719	120213	290751	510276	1.00 120	10.0	20.0	50.0	80.0
Caprolactam	NPT	Ave	12491 305278	25334	57066	129746	206578	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 145619

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/01/2013 03:01 Calibration End Date: 02/01/2013 05:31 Calibration ID: 20080

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	49486 1014890	86525	189995	412169	725907	5.00 120	10.0	20.0	50.0	80.0
2-Methylnaphthalene	NPT	Ave	118902 2435664	214758	444383	1038926	1825594	5.00 120	10.0	20.0	50.0	80.0
1-Methylnaphthalene	NPT	Ave	122212 2583756	213724	481326	1069164	1857747	5.00 120	10.0	20.0	50.0	80.0
Hexachlorocyclopentadiene	ANT	Ave	28622 624509	46879	102361	248435	469391	5.00 120	10.0	20.0	50.0	80.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	53639 1135042	91276	202325	452768	804156	5.00 120	10.0	20.0	50.0	80.0
2-tertbutyl-4-methylphenol	NPT	Ave	82378 1704634	147062	328990	703499	1239250	5.00 120	10.0	20.0	50.0	80.0
2,4,6-Trichlorophenol	ANT	Ave	29736 712840	53675	121162	265176	490535	5.00 120	10.0	20.0	50.0	80.0
2,4,5-Trichlorophenol	ANT	Ave	31910 672864	57176	126483	277294	479869	5.00 120	10.0	20.0	50.0	80.0
Diphenyl	ANT	Ave	140975 2822134	257079	510917	1151496	2018857	5.00 120	10.0	20.0	50.0	80.0
2-Chloronaphthalene	ANT	Ave	103601 1994665	190032	397217	882968	1534274	5.00 120	10.0	20.0	50.0	80.0
Diphenyl ether	ANT	Ave	72771 1469060	131744	275875	625299	1114000	5.00 120	10.0	20.0	50.0	80.0
2-Nitroaniline	ANT	Ave	59550 524696	61862	129315	237513	403378	10.0 120	10.0	20.0	50.0	80.0
Dimethylnaphthalene, total	ANT	Ave	87490 1813330	155574	350468	753262	1312678	5.00 120	10.0	20.0	50.0	80.0
Dimethyl phthalate	ANT	Ave	96677 1954489	180513	384708	847893	1473551	5.00 120	10.0	20.0	50.0	80.0
Coumarin	NPT	Ave	31452 675725	55846	134635	274643	487252	5.00 120	10.0	20.0	50.0	80.0
2,6-Dinitrotoluene	ANT	Ave	4282 476613	42605	92245	204829	367021	1.00 120	10.0	20.0	50.0	80.0
Acenaphthylene	ANT	Ave	162590 3063001	282044	593431	1322243	2309534	5.00 120	10.0	20.0	50.0	80.0
3-Nitroaniline	ANT	Ave	46650 434239	44095	93643	197673	347149	10.0 120	10.0	20.0	50.0	80.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	92554 1752287	165451	369965	727110	1292827	5.00 120	10.0	20.0	50.0	80.0
Acenaphthene	ANT	Ave	95264 1769658	173953	359139	783202	1333704	5.00 120	10.0	20.0	50.0	80.0
2,4-Dinitrophenol	ANT	QuaF	18334 266735	31069	58566	100827	202743	15.0 120	20.0	30.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 145619

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/01/2013 03:01 Calibration End Date: 02/01/2013 05:31 Calibration ID: 20080

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4-Nitrophenol	ANT	Ave	39327 309895	55367	87184	130458	240930	15.0 120	20.0	30.0	50.0	80.0
2,4-Dinitrotoluene	ANT	Ave	5590 545794	53154	113146	239696	429158	1.00 120	10.0	20.0	50.0	80.0
Dibenzofuran	ANT	Ave	132036 2556375	241620	508320	1101927	1948594	5.00 120	10.0	20.0	50.0	80.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	19771 453929	37421	82642	185340	344384	5.00 120	10.0	20.0	50.0	80.0
Diethyl phthalate	ANT	Ave	89817 1847185	171530	360789	791252	1403996	5.00 120	10.0	20.0	50.0	80.0
4-Chlorophenyl phenyl ether	ANT	Ave	50246 912489	90688	189026	408310	712253	5.00 120	10.0	20.0	50.0	80.0
Fluorene	ANT	Ave	104873 1992133	193423	408496	890661	1532758	5.00 120	10.0	20.0	50.0	80.0
4-Nitroaniline	ANT	Ave	40440 382379	38876	85346	177071	319756	10.0 120	10.0	20.0	50.0	80.0
4,6-Dinitro-2-methylphenol	PHN	Ave	33098 324319	49003	82919	132773	254887	15.0 120	20.0	30.0	50.0	80.0
N-Nitrosodiphenylamine	PHN	Ave	66885 1310811	120105	256121	567027	991951	5.00 120	10.0	20.0	50.0	80.0
1,2-Diphenylhydrazine	PHN	Ave	101361 2389813	224377	460306	1014622	1711988	5.00 120	10.0	20.0	50.0	80.0
4-Bromophenyl phenyl ether	PHN	Ave	26148 540801	48650	104817	231235	413213	5.00 120	10.0	20.0	50.0	80.0
Hexachlorobenzene	PHN	Ave	2961 562694	52702	112750	240636	437187	0.500 120	10.0	20.0	50.0	80.0
Atrazine	PHN	Ave	23320 420467	42757	85714	186767	324710	5.00 120	10.0	20.0	50.0	80.0
Pentachlorophenol	PHN	Ave	35858 320983	50162	84221	135023	247646	15.0 120	20.0	30.0	50.0	80.0
Pentachloronitrobenzene	PHN	Ave	10649 195916	20495	40745	85709	158481	5.00 120	10.0	20.0	50.0	80.0
n-Octadecane	PHN	Ave	53542 1126227	101258	229520	484673	834107	5.00 120	10.0	20.0	50.0	80.0
Phenanthrene	PHN	Ave	128738 2394272	237605	489974	1070595	1867408	5.00 120	10.0	20.0	50.0	80.0
Anthracene	PHN	Ave	127521 2421935	239810	501585	1092209	1887547	5.00 120	10.0	20.0	50.0	80.0
Carbazole	PHN	Ave	106087 1897342	194879	405250	874964	1530757	5.00 120	10.0	20.0	50.0	80.0
Di-n-butyl phthalate	PHN	Ave	120164 2446977	237578	502689	1113544	1938786	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 145619

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/01/2013 03:01 Calibration End Date: 02/01/2013 05:31 Calibration ID: 20080

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Fluoranthene	PHN	Ave	111787 2001320	210391	432361	960312	1603690	5.00 120	10.0	20.0	50.0	80.0
Benzidine	PHN	Ave	38313 +++++	147519	164667	75775	56324	5.00 +++++	20.0	30.0	50.0	80.0
Pyrene	CRY	Ave	109687 1922711	208112	421094	920849	1558464	5.00 120	10.0	20.0	50.0	80.0
Butyl benzyl phthalate	CRY	Ave	40848 733250	80154	160155	353615	596515	5.00 120	10.0	20.0	50.0	80.0
Carbamazepine	CRY	Ave	24207 505399	47075	115402	226706	385984	5.00 120	10.0	20.0	50.0	80.0
3,3'-Dichlorobenzidine	CRY	QuaF	56375 252754	97992	134596	151710	216953	10.0 120	20.0	30.0	50.0	80.0
Benzo[a]anthracene	CRY	Ave	9621 1195461	142979	282410	589539	938330	0.500 120	10.0	20.0	50.0	80.0
Chrysene	CRY	Ave	78353 1068101	140944	278597	550483	884402	5.00 120	10.0	20.0	50.0	80.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	57782 943861	107359	212742	470562	769695	5.00 120	10.0	20.0	50.0	80.0
Di-n-octyl phthalate	PRY	Ave	70465 1313802	137972	287357	632332	1026108	5.00 120	10.0	20.0	50.0	80.0
Benzo[b]fluoranthene	PRY	Ave	5346 853100	99597	203037	406099	620644	0.500 120	10.0	20.0	50.0	80.0
Benzo[k]fluoranthene	PRY	Ave	5816 931716	106264	228336	430854	689571	0.500 120	10.0	20.0	50.0	80.0
Benzo[a]pyrene	PRY	Ave	4183 695342	75561	162271	321290	501610	0.500 120	10.0	20.0	50.0	80.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	3061 626590	56483	130080	271999	450292	0.500 120	10.0	20.0	50.0	80.0
Dibenz(a,h)anthracene	PRY	Ave	3355 624450	62942	133859	276129	449563	0.500 120	10.0	20.0	50.0	80.0
Benzo[g,h,i]perylene	PRY	Ave	34501 602453	61718	130001	269799	434585	5.00 120	10.0	20.0	50.0	80.0
2-Fluorophenol	DCB	Ave	66413 1568811	124004	259672	623847	1113658	5.00 120	10.0	20.0	50.0	80.0
Phenol-d5	DCB	Ave	84780 1784883	153552	317621	743919	1271777	5.00 120	10.0	20.0	50.0	80.0
Nitrobenzene-d5	NPT	Ave	71717 1534303	126061	267567	653158	1119277	5.00 120	10.0	20.0	50.0	80.0
2-Fluorobiphenyl	ANT	Ave	123762 2515261	210813	464468	1047101	1828109	5.00 120	10.0	20.0	50.0	80.0
2,4,6-Tribromophenol	ANT	Ave	13543 318182	25801	57357	126347	232672	5.00 120	10.0	20.0	50.0	80.0

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

Lab Name: TestAmerica Edison Job No.: 460-50248-1 Analy Batch No.: 145619

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/01/2013 03:01 Calibration End Date: 02/01/2013 05:31 Calibration ID: 20080

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Terphenyl-d14	CRY	Ave	77282 1376235	135882	291920	633256	1066102	5.00 120	10.0	20.0	50.0	80.0

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16832.d
Report Date: 01-Feb-2013 08:07

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16832.d
Lab Smp Id: ICIS-1888732
Inj Date : 01-FEB-2013 03:01
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : ICIS-1888732
Misc Info : 50 ppm bna4724
Comment :
Method : /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/8270C_11.m
Meth Date : 01-Feb-2013 08:07 croccom Quant Type: ISTD
Cal Date : 01-FEB-2013 03:01 Cal File: z16832.d
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
106	1,4-Dioxane	88	1.518	1.518	(0.368)	275532	50.0000	50
19	N-Nitrosodimethylamine	74	1.742	1.742	(0.422)	374497	50.0000	50
71	Pyridine	79	1.771	1.771	(0.429)	667526	50.0000	49
$ 16	2-Fluorophenol (SUR)	112	2.847	2.847	(0.690)	623847	50.0000	49
110	Benzaldehyde	77	3.677	3.677	(0.892)	220532	50.0000	38
$ 17	Phenol-d5 (SUR)	99	3.777	3.777	(0.916)	743919	50.0000	48
1	Phenol	94	3.794	3.794	(0.920)	771261	50.0000	46
73	Aniline	93	3.794	3.794	(0.920)	906574	50.0000	49
20	bis(2-Chloroethyl)ether	93	3.865	3.865	(0.937)	649267	50.0000	50
2	2-Chlorophenol	128	3.918	3.918	(0.950)	635911	50.0000	48
113	n-decane	43	3.971	3.971	(0.963)	588836	50.0000	50
21	1,3-Dichlorobenzene	146	4.071	4.071	(0.987)	772608	50.0000	50
* 79	1,4-Dichlorobenzene-d4	152	4.124	4.124	(1.000)	379456	40.0000	

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16832.d
Report Date: 01-Feb-2013 08:07

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	22 1,4-Dichlorobenzene	146	4.141	4.141	(1.004)	762860	50.0000	50
	74 Benzyl Alcohol	108	4.271	4.271	(1.036)	387103	50.0000	51
	23 1,2-Dichlorobenzene	146	4.294	4.294	(1.041)	713987	50.0000	50
	3 2-Methylphenol	108	4.394	4.394	(1.066)	521800	50.0000	48
	24 bis (2-chloroisopropyl) ether	45	4.406	4.406	(1.068)	633547	50.0000	50
	4 4-Methylphenol	108	4.553	4.553	(1.104)	518982	50.0000	46(M)
	123 3 & 4 Methylphenol	108	4.553	4.553	(1.104)	514252	50.0000	46(M)
	104 Acetophenone	105	4.541	4.541	(1.101)	784080	50.0000	48
	25 N-Nitroso-di-n-propylamine	70	4.547	4.547	(1.103)	364674	50.0000	46
	26 Hexachloroethane	117	4.636	4.636	(1.124)	287871	50.0000	50
$	76 Nitrobenzene-d5 (SUR)	82	4.689	4.689	(0.867)	653158	50.0000	51
	27 Nitrobenzene	77	4.712	4.712	(0.872)	833368	50.0000	49
	107 N,N-Dimethylaniline	120	4.712	4.712	(1.143)	901860	50.0000	50
	28 Isophorone	82	4.953	4.953	(0.916)	966703	50.0000	50
	5 2-Nitrophenol	139	5.024	5.024	(0.929)	316138	50.0000	50
	6 2,4-Dimethylphenol	122	5.088	5.088	(0.941)	477654	50.0000	48
	29 bis(2-Chloroethoxy)methane	93	5.171	5.171	(0.956)	648029	50.0000	50
	15 Benzoic Acid	122	5.247	5.247	(0.971)	250719	50.0000	47(M)
	7 2,4-Dichlorophenol	162	5.277	5.277	(0.976)	424566	50.0000	48
	30 1,2,4-Trichlorobenzene	180	5.353	5.353	(0.990)	525806	50.0000	50
*	80 Naphthalene-d8	136	5.406	5.406	(1.000)	1334054	40.0000	
	31 Naphthalene	128	5.430	5.430	(1.004)	1727762	50.0000	50
	32 4-Chloroaniline	127	5.488	5.488	(1.015)	587079	50.0000	50
	33 Hexachlorobutadiene	225	5.565	5.565	(1.029)	290751	50.0000	49
	111 Caprolactam	113	5.877	5.877	(1.087)	129746	50.0000	52
	8 4-Chloro-3-methylphenol	107	5.994	5.994	(1.109)	412169	50.0000	48
	34 2-Methylnaphthalene	142	6.124	6.124	(1.133)	1038926	50.0000	49
	120 1-Methylnaphthalene	142	6.224	6.224	(1.151)	1069164	50.0000	49
	35 Hexachlorocyclopentadiene	237	6.288	6.288	(0.879)	248435	50.0000	51
	129 1,2,4,5-Tetrachlorobenzene	216	6.294	6.294	(0.880)	452768	50.0000	50
	121 2-tert-Butyl-4-methylphenol	149	6.341	6.341	(1.173)	703499	50.0000	48
	9 2,4,6-Trichlorophenol	196	6.412	6.412	(0.896)	265176	50.0000	49
	10 2,4,5-Trichlorophenol	196	6.453	6.453	(0.902)	277294	50.0000	50
$	77 2-Fluorobiphenyl (SUR)	172	6.494	6.494	(0.908)	1047101	50.0000	50
	102 Diphenyl	154	6.588	6.588	(0.921)	1151496	50.0000	49
	36 2-Chloronaphthalene	162	6.606	6.606	(0.924)	882968	50.0000	50
	103 Diphenyl Ether	170	6.694	6.694	(0.936)	625299	50.0000	50
	37 2-Nitroaniline	65	6.718	6.718	(0.939)	237513	50.0000	47
	125 1,3-Dimethylnaphthalene	156	6.824	6.824	(0.954)	753262	50.0000	50
	38 Dimethylphthalate	163	6.900	6.900	(0.965)	847893	50.0000	50
	114 Coumarin	146	6.918	6.918	(1.280)	274643	50.0000	48
	40 2,6-Dinitrotoluene	165	6.959	6.959	(0.973)	204829	50.0000	51
	39 Acenaphthylene	152	7.018	7.018	(0.981)	1322243	50.0000	50
	41 3-Nitroaniline	138	7.124	7.124	(0.996)	197673	50.0000	50
*	82 Acenaphthene-d10	164	7.153	7.153	(1.000)	590270	40.0000	
	122 2,6-Di-tert-butyl-p-cresol	205	7.188	7.188	(1.005)	727110	50.0000	47
	42 Acenaphthene	154	7.188	7.188	(1.005)	783202	50.0000	50

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16832.d
Report Date: 01-Feb-2013 08:07

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	11	2,4-Dinitrophenol	184	7.224	7.224	(1.010)	100827	50.0000	50
	12	4-Nitrophenol	65	7.300	7.300	(1.021)	130458	50.0000	51
	44	2,4-Dinitrotoluene	165	7.353	7.353	(1.028)	239696	50.0000	49(H)
	43	Dibenzofuran	168	7.359	7.359	(1.029)	1101927	50.0000	49
	130	2,3,4,6-Tetrachlorophenol	232	7.482	7.482	(1.046)	185340	50.0000	50
	45	Diethylphthalate	149	7.594	7.594	(1.062)	791252	50.0000	50
	46	4-Chlorophenyl-phenylether	204	7.694	7.694	(1.076)	408310	50.0000	49
	47	Fluorene	166	7.694	7.694	(1.076)	890661	50.0000	50
	48	4-Nitroaniline	138	7.724	7.724	(1.080)	177071	50.0000	50
	13	4,6-Dinitro-2-methylphenol	198	7.753	7.753	(0.900)	132773	50.0000	53
	49	N-Nitrosodiphenylamine	169	7.818	7.818	(0.908)	567027	50.0000	50
	75	1,2-Diphenylhydrazine	77	7.853	7.853	(0.912)	1014622	50.0000	51
$	18	2,4,6-Tribromophenol (SUR)	330	7.935	7.935	(1.109)	126347	50.0000	50
	50	4-Bromophenyl-phenylether	248	8.171	8.171	(0.949)	231235	50.0000	50
	51	Hexachlorobenzene	284	8.241	8.241	(0.957)	240636	50.0000	49
	112	Atrazine	200	8.347	8.347	(0.969)	186767	50.0000	49
	14	Pentachlorophenol	266	8.435	8.435	(0.980)	135023	50.0000	53
	132	Pentachloronitrobenzene	237	8.447	8.447	(0.981)	85709	50.0000	48
	115	n-Octadecane	57	8.518	8.518	(0.989)	484673	50.0000	50
*	83	Phenanthrene-d10	188	8.612	8.612	(1.000)	761201	40.0000	
	52	Phenanthrene	178	8.635	8.635	(1.003)	1070595	50.0000	50
	53	Anthracene	178	8.682	8.682	(1.008)	1092209	50.0000	50
	54	Carbazole	167	8.841	8.841	(1.027)	874964	50.0000	50
	55	Di-n-butylphthalate	149	9.188	9.188	(1.067)	1113544	50.0000	51
	56	Fluoranthene	202	9.794	9.794	(1.137)	960312	50.0000	51
	58	Benzidine	184	9.923	9.923	(1.152)	75775	50.0000	18
	57	Pyrene	202	10.018	10.018	(0.885)	920849	50.0000	52
$	78	Terphenyl-d14	244	10.171	10.171	(0.899)	633256	50.0000	52
	59	Butylbenzylphthalate	149	10.688	10.688	(0.944)	353615	50.0000	52
	109	2,3,7,8-TCDD (Screen)	320	10.788	10.788	(0.953)	1223	0.50000	0.50
	124	Carbamazepine	193	10.800	10.800	(0.954)	226706	50.0000	52
	60	3,3'-Dichlorobenzidine	252	11.282	11.282	(0.997)	151710	50.0000	48
	61	Benzo(a)anthracene	228	11.306	11.306	(0.999)	589539	50.0000	49
*	81	Chrysene-d12	240	11.318	11.318	(1.000)	398790	40.0000	
	63	bis(2-Ethylhexyl)phthalate	149	11.359	11.359	(1.004)	470562	50.0000	52
	62	Chrysene	228	11.353	11.353	(1.003)	550483	50.0000	50
	64	Di-n-octylphthalate	149	12.188	12.188	(0.925)	632332	50.0000	55
	65	Benzo(b)fluoranthene	252	12.670	12.670	(0.962)	406099	50.0000	52
	66	Benzo(k)fluoranthene	252	12.706	12.706	(0.964)	430854	50.0000	50
	67	Benzo(a)pyrene	252	13.100	13.100	(0.994)	321290	50.0000	52
*	84	Perylene-d12	264	13.176	13.176	(1.000)	249962	40.0000	
	68	Indeno(1,2,3-cd)pyrene	276	14.623	14.623	(1.110)	271999	50.0000	53
	69	Dibenz(a,h)anthracene	278	14.653	14.653	(1.112)	276129	50.0000	52
	70	Benzo(g,h,i)perylene	276	15.011	15.011	(1.139)	269799	50.0000	52

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16832.d
Report Date: 01-Feb-2013 08:07

QC Flag Legend

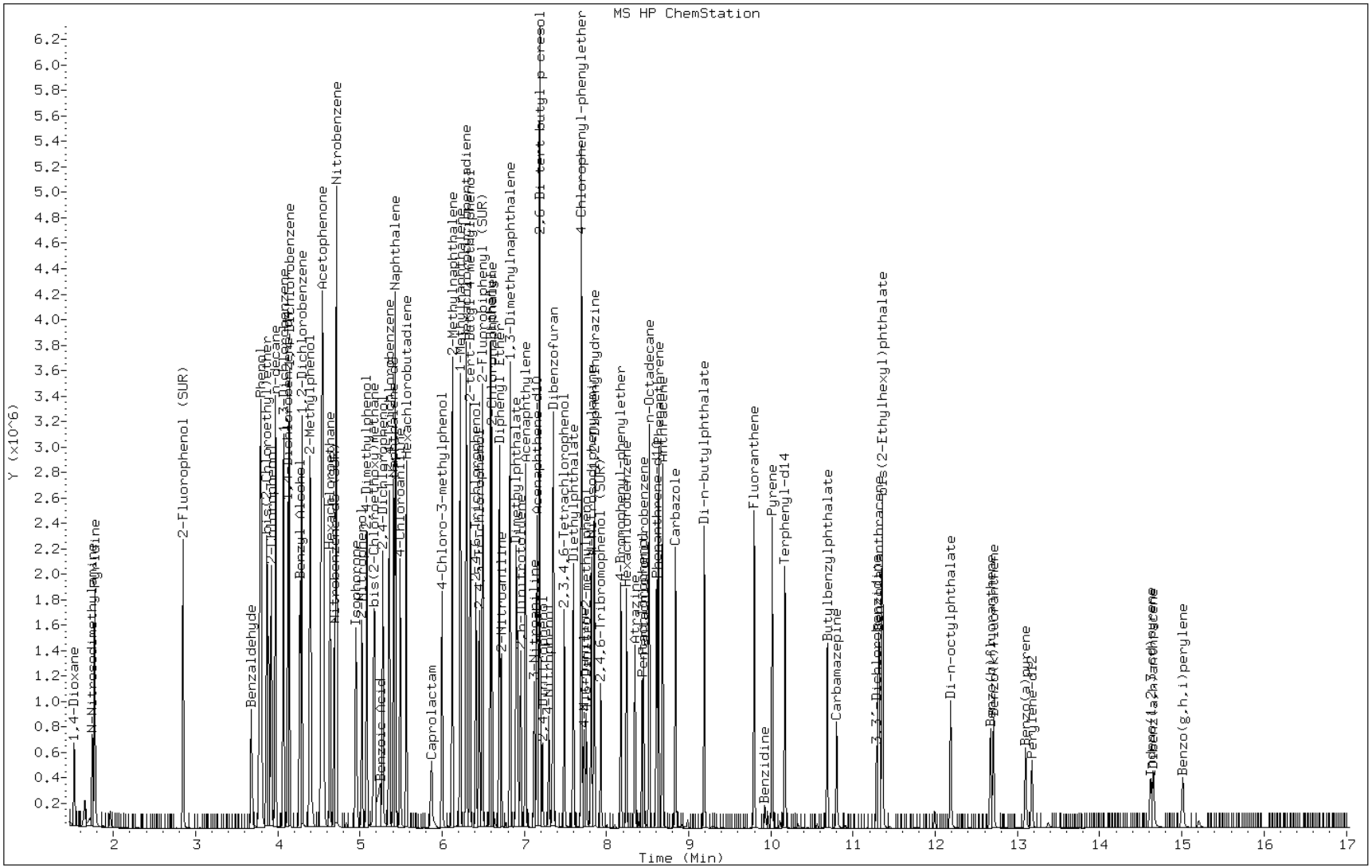
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z16832.d

Date: 01-FEB-2013 03:01

Client ID: Instrument: BNAMS11.i

Sample Info: ICIS-1888732 Operator: BNAMS 4



Manual Integration Report

Data File: z16832.d
Inj. Date and Time: 01-FEB-2013 03:01
Instrument ID: BNAMS11.i
Client ID:
Compound: 123 3 & 4 Methylphenol
CAS #: 15831-10-4
Report Date: 02/01/2013

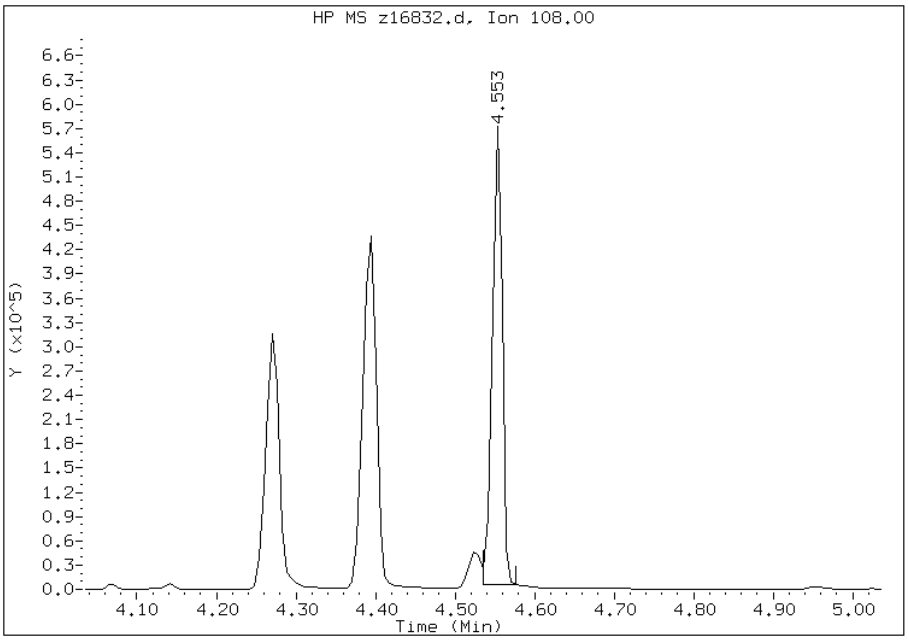
Processing Integration Results

RT: 4.55

Response: 496915

Amount: 50

Conc: 50



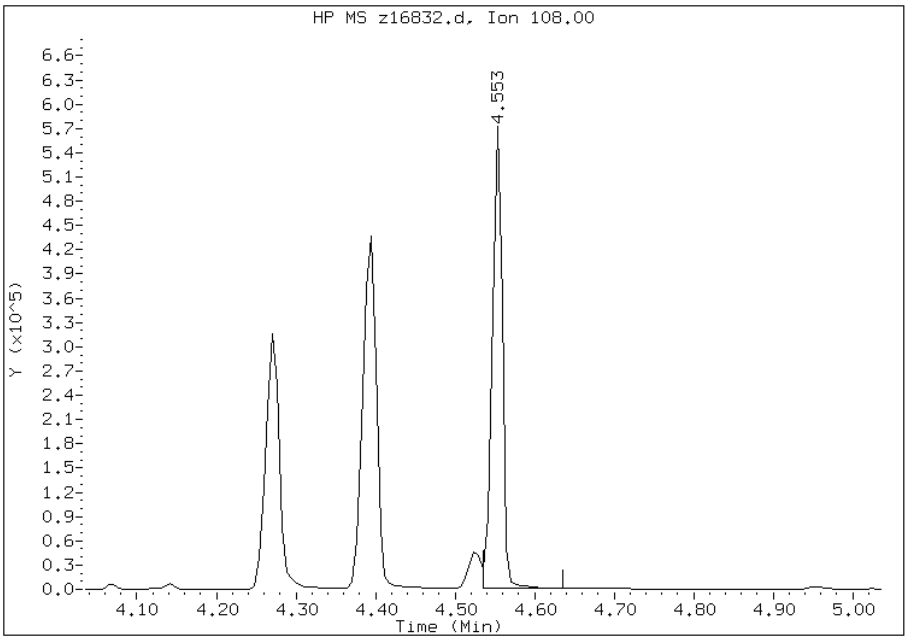
Manual Integration Results

RT: 4.55

Response: 514252

Amount: 46

Conc: 46



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: z16832.d
Inj. Date and Time: 01-FEB-2013 03:01
Instrument ID: BNAMS11.i
Client ID:
Compound: 4 4-Methylphenol
CAS #: 106-44-5
Report Date: 02/01/2013

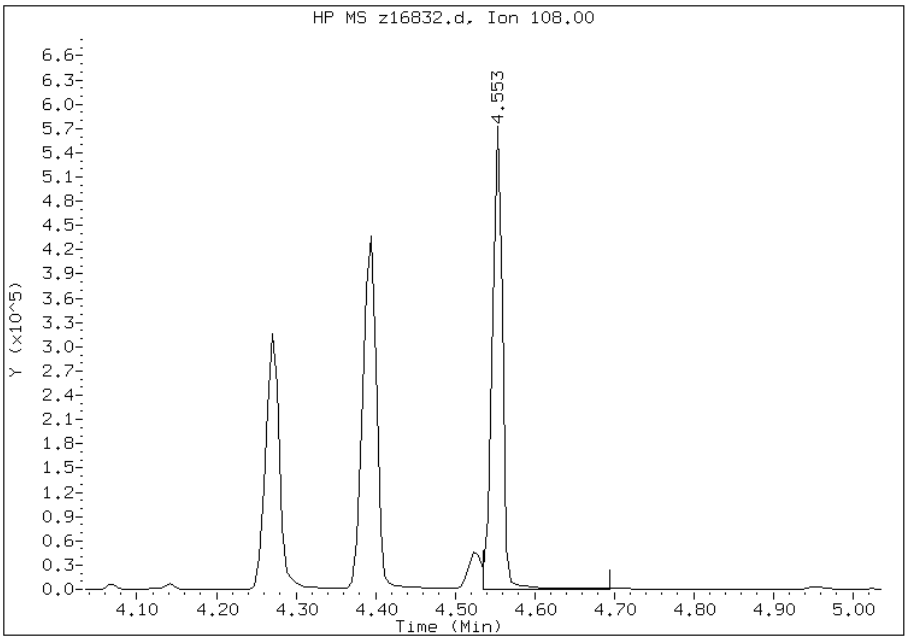
Processing Integration Results

RT: 4.55

Response: 523726

Amount: 50

Conc: 50



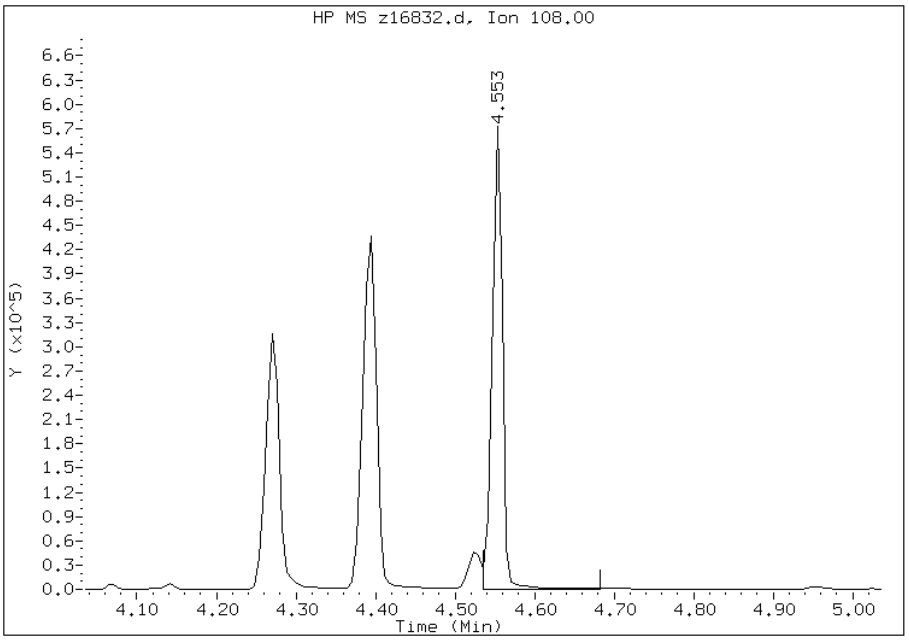
Manual Integration Results

RT: 4.55

Response: 518982

Amount: 46

Conc: 46



Manually Integrated By: wahied
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: z16832.d
Inj. Date and Time: 01-FEB-2013 03:01
Instrument ID: BNAMS11.i
Client ID:
Compound: 15 Benzoic Acid
CAS #: 65-85-0
Report Date: 02/01/2013

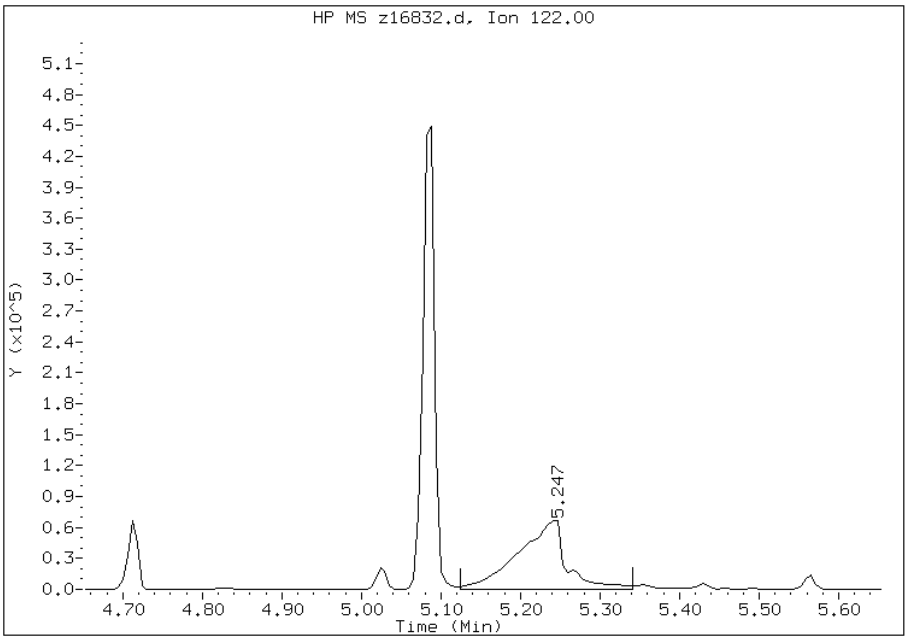
Processing Integration Results

RT: 5.25

Response: 281657

Amount: 50

Conc: 50



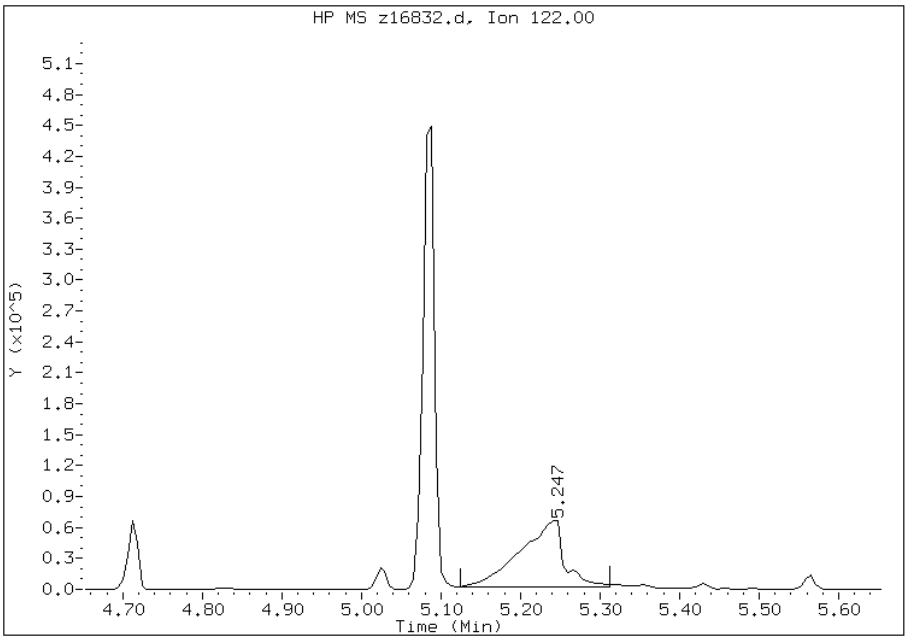
Manual Integration Results

RT: 5.25

Response: 250719

Amount: 47

Conc: 47



Manually Integrated By: wahied
Manual Integration Reason: Baseline Event

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16833.d
Report Date: 01-Feb-2013 08:07

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16833.d
Lab Smp Id: IC-1888809
Inj Date : 01-FEB-2013 03:58
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-1888809
Misc Info : 120 ppm bna4724
Comment :
Method : /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/8270C_11.m
Meth Date : 01-Feb-2013 08:07 croccom Quant Type: ISTD
Cal Date : 01-FEB-2013 03:58 Cal File: z16833.d
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
106	1,4-Dioxane	88	1.642	1.642	(0.397)	685894	120.000	120(AM)
19	N-Nitrosodimethylamine	74	1.842	1.842	(0.445)	957405	120.000	120(AMH)
71	Pyridine	79	1.877	1.877	(0.454)	1672662	120.000	120(AMH)
$ 16	2-Fluorophenol (SUR)	112	2.930	2.930	(0.708)	1568811	120.000	120(A)
110	Benzaldehyde	77	3.718	3.718	(0.899)	87999	120.000	15
$ 17	Phenol-d5 (SUR)	99	3.806	3.806	(0.920)	1784883	120.000	110
1	Phenol	94	3.818	3.818	(0.923)	1949020	120.000	120
73	Aniline	93	3.818	3.818	(0.923)	1185057	120.000	63
20	bis(2-Chloroethyl)ether	93	3.900	3.900	(0.943)	2426474	120.000	120(AM)
2	2-Chlorophenol	128	3.959	3.959	(0.957)	1556510	120.000	120
113	n-decane	43	3.983	3.983	(0.963)	1333707	120.000	110
21	1,3-Dichlorobenzene	146	4.089	4.089	(0.989)	1820087	120.000	120
* 79	1,4-Dichlorobenzene-d4	152	4.136	4.136	(1.000)	385222	40.0000	

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16833.d
Report Date: 01-Feb-2013 08:07

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	22 1,4-Dichlorobenzene	146	4.153	4.153	(1.004)	1811282	120.000	120
	74 Benzyl Alcohol	108	4.294	4.294	(1.038)	901497	120.000	120
	23 1,2-Dichlorobenzene	146	4.306	4.306	(1.041)	1635543	120.000	110
	3 2-Methylphenol	108	4.406	4.406	(1.065)	1268194	120.000	110
	24 bis (2-chloroisopropyl) ether	45	4.412	4.412	(1.067)	1371570	120.000	110
	4 4-Methylphenol	108	4.583	4.583	(1.108)	1257431	120.000	110
	123 3 & 4 Methylphenol	108	4.583	4.583	(1.108)	1257431	120.000	110
	104 Acetophenone	105	4.559	4.559	(1.102)	1877215	120.000	110
	25 N-Nitroso-di-n-propylamine	70	4.606	4.606	(1.114)	925666	120.000	110(M)
	26 Hexachloroethane	117	4.636	4.636	(1.121)	661048	120.000	110
$	76 Nitrobenzene-d5 (SUR)	82	4.712	4.712	(0.871)	1534303	120.000	120
	27 Nitrobenzene	77	4.736	4.736	(0.875)	1850422	120.000	110
	107 N,N-Dimethylaniline	120	4.730	4.730	(1.144)	2105110	120.000	110
	28 Isophorone	82	4.983	4.983	(0.921)	2282271	120.000	120
	5 2-Nitrophenol	139	5.036	5.036	(0.930)	835277	120.000	130(A)
	6 2,4-Dimethylphenol	122	5.106	5.106	(0.943)	1190427	120.000	120
	29 bis(2-Chloroethoxy)methane	93	5.189	5.189	(0.959)	1495872	120.000	110
	15 Benzoic Acid	122	5.318	5.318	(0.983)	662697	120.000	120(AM)
	7 2,4-Dichlorophenol	162	5.289	5.289	(0.977)	1044753	120.000	120
	30 1,2,4-Trichlorobenzene	180	5.359	5.359	(0.990)	1240089	120.000	120
*	80 Naphthalene-d8	136	5.412	5.412	(1.000)	1349876	40.0000	
	31 Naphthalene	128	5.441	5.441	(1.005)	3985494	120.000	110
	32 4-Chloroaniline	127	5.500	5.500	(1.016)	1263972	120.000	100
	33 Hexachlorobutadiene	225	5.565	5.565	(1.028)	679921	120.000	110
	111 Caprolactam	113	5.953	5.953	(1.100)	305278	120.000	120(AH)
	8 4-Chloro-3-methylphenol	107	6.018	6.018	(1.112)	1014890	120.000	120
	34 2-Methylnaphthalene	142	6.130	6.130	(1.133)	2435664	120.000	110
	120 1-Methylnaphthalene	142	6.230	6.230	(1.151)	2583756	120.000	120
	35 Hexachlorocyclopentadiene	237	6.294	6.294	(0.879)	624509	120.000	120(A)
	129 1,2,4,5-Tetrachlorobenzene	216	6.306	6.306	(0.881)	1135042	120.000	120(A)
	121 2-tert-Butyl-4-methylphenol	149	6.353	6.353	(1.174)	1704634	120.000	120
	9 2,4,6-Trichlorophenol	196	6.424	6.424	(0.897)	712840	120.000	130(A)
	10 2,4,5-Trichlorophenol	196	6.471	6.471	(0.904)	672864	120.000	120
$	77 2-Fluorobiphenyl (SUR)	172	6.500	6.500	(0.908)	2515261	120.000	120
	102 Diphenyl	154	6.600	6.600	(0.922)	2822134	120.000	120
	36 2-Chloronaphthalene	162	6.618	6.618	(0.924)	1994665	120.000	110
	103 Diphenyl Ether	170	6.700	6.700	(0.936)	1469060	120.000	120
	37 2-Nitroaniline	65	6.730	6.730	(0.940)	524696	120.000	100
	125 1,3-Dimethylnaphthalene	156	6.835	6.835	(0.955)	1813330	120.000	120
	38 Dimethylphthalate	163	6.912	6.912	(0.965)	1954489	120.000	110
	114 Coumarin	146	6.935	6.935	(1.281)	675725	120.000	120
	40 2,6-Dinitrotoluene	165	6.971	6.971	(0.974)	476613	120.000	120
	39 Acenaphthylene	152	7.024	7.024	(0.981)	3063001	120.000	110
	41 3-Nitroaniline	138	7.135	7.135	(0.997)	434239	120.000	110
*	82 Acenaphthene-d10	164	7.159	7.159	(1.000)	599843	40.0000	
	122 2,6-Di-tert-butyl-p-cresol	205	7.194	7.194	(1.005)	1752287	120.000	110
	42 Acenaphthene	154	7.200	7.200	(1.006)	1769658	120.000	110

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16833.d
Report Date: 01-Feb-2013 08:07

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	11 2,4-Dinitrophenol	184	7.235	7.235	(1.011)	266735	120.000	120
	12 4-Nitrophenol	65	7.318	7.318	(1.022)	309895	120.000	120
	44 2,4-Dinitrotoluene	165	7.365	7.365	(1.029)	545794	120.000	110
	43 Dibenzofuran	168	7.371	7.371	(1.030)	2556375	120.000	110
	130 2,3,4,6-Tetrachlorophenol	232	7.494	7.494	(1.047)	453929	120.000	120(A)
	45 Diethylphthalate	149	7.606	7.606	(1.062)	1847185	120.000	110
	46 4-Chlorophenyl-phenylether	204	7.700	7.700	(1.076)	912489	120.000	110
	47 Fluorene	166	7.706	7.706	(1.076)	1992133	120.000	110
	48 4-Nitroaniline	138	7.747	7.747	(1.082)	382379	120.000	100
	13 4,6-Dinitro-2-methylphenol	198	7.771	7.771	(0.902)	324319	120.000	130(A)
	49 N-Nitrosodiphenylamine	169	7.830	7.830	(0.909)	1310811	120.000	120
	75 1,2-Diphenylhydrazine	77	7.859	7.859	(0.912)	2389813	120.000	120(A)
$	18 2,4,6-Tribromophenol (SUR)	330	7.941	7.941	(1.109)	318182	120.000	120(A)
	50 4-Bromophenyl-phenylether	248	8.182	8.182	(0.949)	540801	120.000	120(A)
	51 Hexachlorobenzene	284	8.247	8.247	(0.957)	562694	120.000	120
	112 Atrazine	200	8.359	8.359	(0.970)	420467	120.000	110
	14 Pentachlorophenol	266	8.441	8.441	(0.980)	320983	120.000	130(A)
	132 Pentachloronitrobenzene	237	8.459	8.459	(0.982)	195916	120.000	110
	115 n-Octadecane	57	8.524	8.524	(0.989)	1126227	120.000	120(A)
*	83 Phenanthrene-d10	188	8.618	8.618	(1.000)	735988	40.0000	
	52 Phenanthrene	178	8.641	8.641	(1.003)	2394272	120.000	110
	53 Anthracene	178	8.694	8.694	(1.009)	2421935	120.000	110
	54 Carbazole	167	8.853	8.853	(1.027)	1897342	120.000	110
	55 Di-n-butylphthalate	149	9.194	9.194	(1.067)	2446977	120.000	120
	56 Fluoranthene	202	9.806	9.806	(1.138)	2001320	120.000	110
	58 Benzidine	184	9.929	9.929	(1.152)	35175	120.000	8.8
	57 Pyrene	202	10.024	10.024	(0.885)	1922711	120.000	120(A)
$	78 Terphenyl-d14	244	10.176	10.176	(0.898)	1376235	120.000	130(A)
	59 Butylbenzylphthalate	149	10.694	10.694	(0.944)	733250	120.000	130(A)
	124 Carbamazepine	193	10.812	10.812	(0.954)	505399	120.000	130(A)
	60 3,3'-Dichlorobenzidine	252	11.288	11.288	(0.996)	252754	120.000	120(A)
	61 Benzo(a)anthracene	228	11.318	11.318	(0.999)	1195461	120.000	120
*	81 Chrysene-d12	240	11.329	11.329	(1.000)	343901	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.365	11.365	(1.003)	943861	120.000	120(A)
	62 Chrysene	228	11.365	11.365	(1.003)	1068101	120.000	110
	64 Di-n-octylphthalate	149	12.194	12.194	(0.925)	1313802	120.000	120(A)
	65 Benzo(b)fluoranthene	252	12.682	12.682	(0.962)	853100	120.000	120
	66 Benzo(k)fluoranthene	252	12.717	12.717	(0.965)	931716	120.000	120
	67 Benzo(a)pyrene	252	13.112	13.112	(0.995)	695342	120.000	120(A)
*	84 Perylene-d12	264	13.182	13.182	(1.000)	232661	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	14.635	14.635	(1.110)	626590	120.000	130(A)
	69 Dibenz(a,h)anthracene	278	14.664	14.664	(1.112)	624450	120.000	130(A)
	70 Benzo(g,h,i)perylene	276	15.029	15.029	(1.140)	602453	120.000	120(A)

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16833.d
Report Date: 01-Feb-2013 08:07

QC Flag Legend

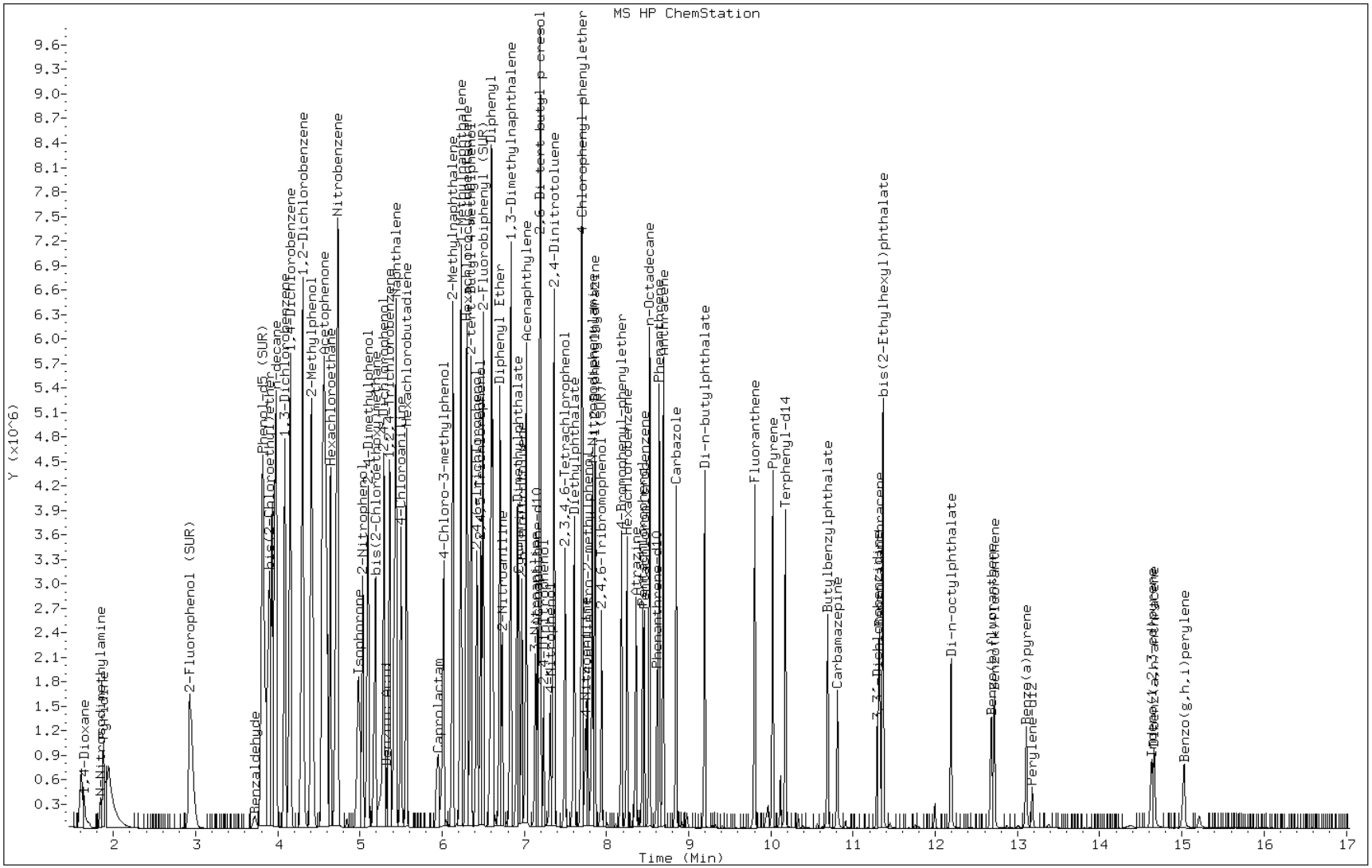
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z16833.d

Date: 01-FEB-2013 03:58

Client ID: Instrument: BNAMS11.i

Sample Info: IC-1888809 Operator: BNAMS 4



Manual Integration Report

Data File: z16833.d
Inj. Date and Time: 01-FEB-2013 03:58
Instrument ID: BNAMS11.i
Client ID:
Compound: 106 1,4-Dioxane
CAS #: 123-91-1
Report Date: 02/01/2013

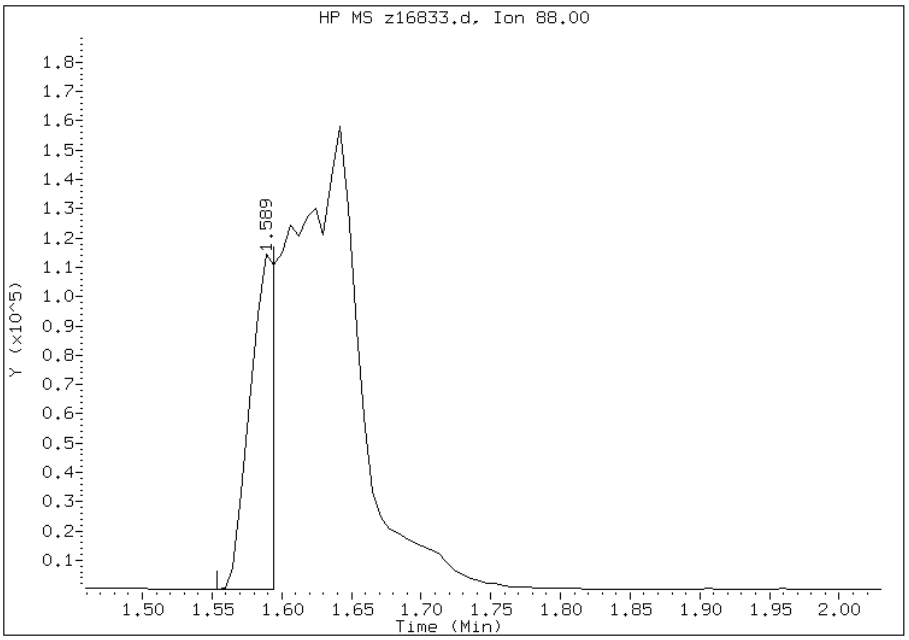
Processing Integration Results

RT: 1.59

Response: 149111

Amount: 44

Conc: 44



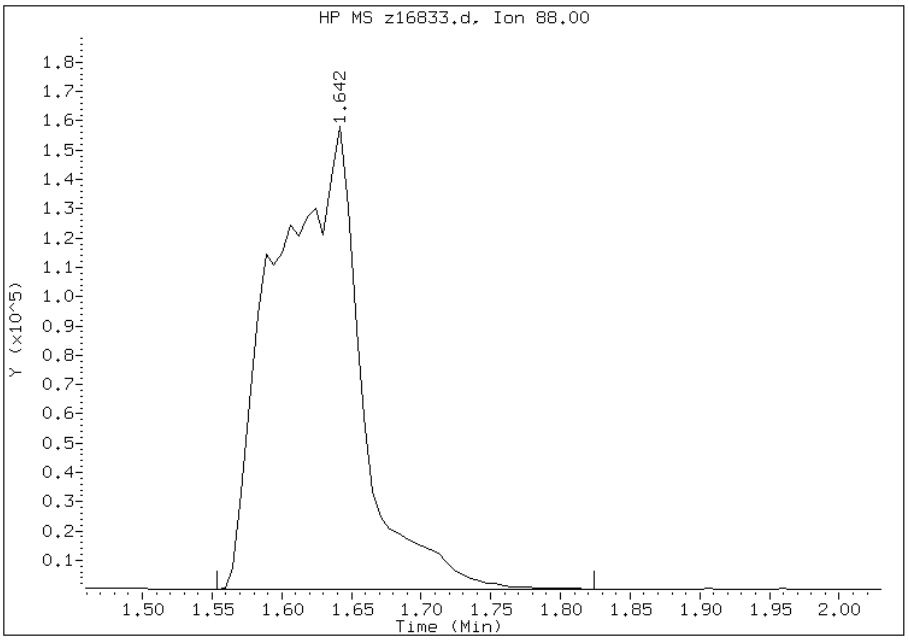
Manual Integration Results

RT: 1.64

Response: 685894

Amount: 122

Conc: 122



Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: z16833.d
Inj. Date and Time: 01-FEB-2013 03:58
Instrument ID: BNAMS11.i
Client ID:
Compound: 19 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 02/01/2013

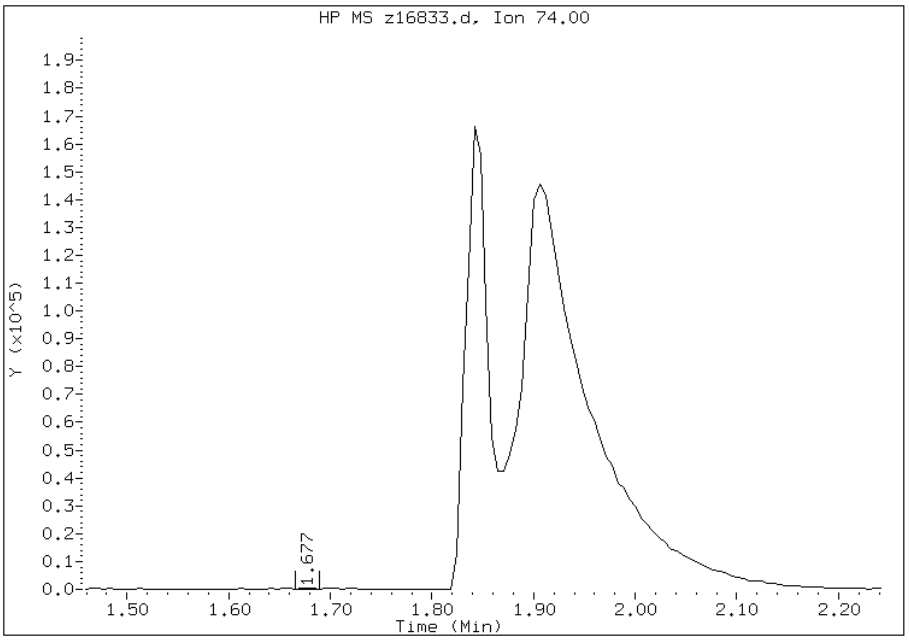
Processing Integration Results

RT: 1.68

Response: 277

Amount: 0

Conc: 0



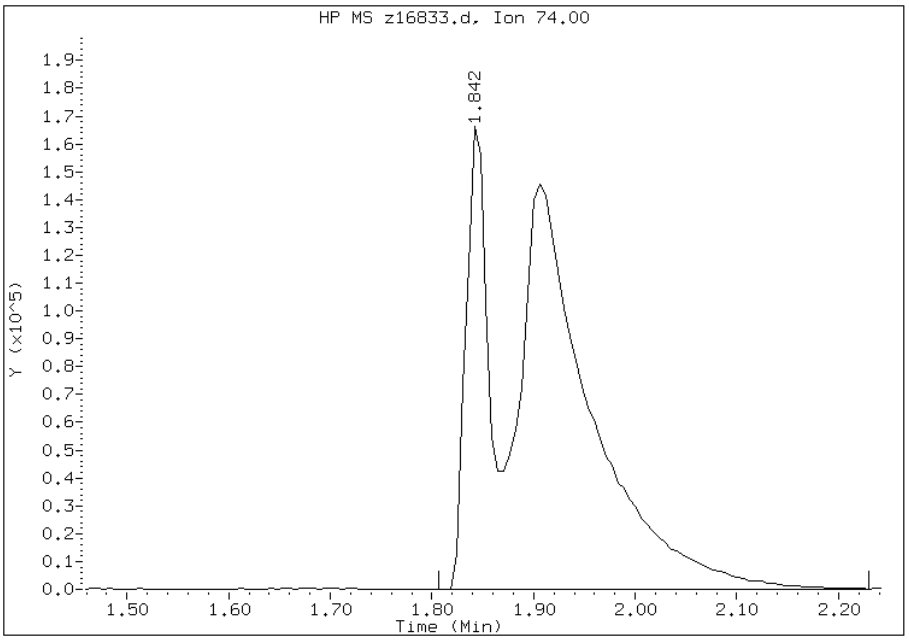
Manual Integration Results

RT: 1.84

Response: 957405

Amount: 125

Conc: 125



Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: z16833.d
Inj. Date and Time: 01-FEB-2013 03:58
Instrument ID: BNAMS11.i
Client ID:
Compound: 71 Pyridine
CAS #: 110-86-1
Report Date: 02/01/2013

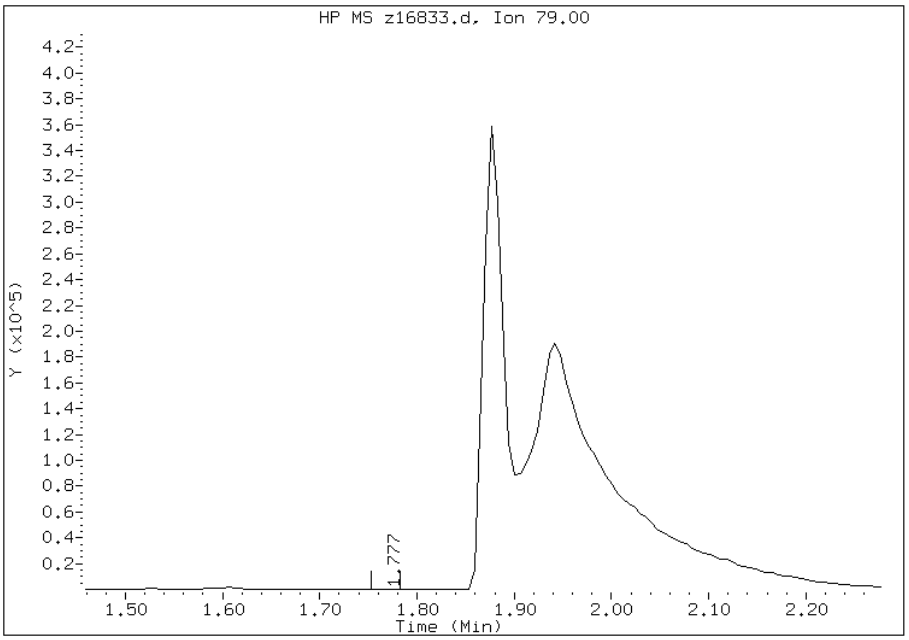
Processing Integration Results

RT: 1.78

Response: 93

Amount: 0

Conc: 0



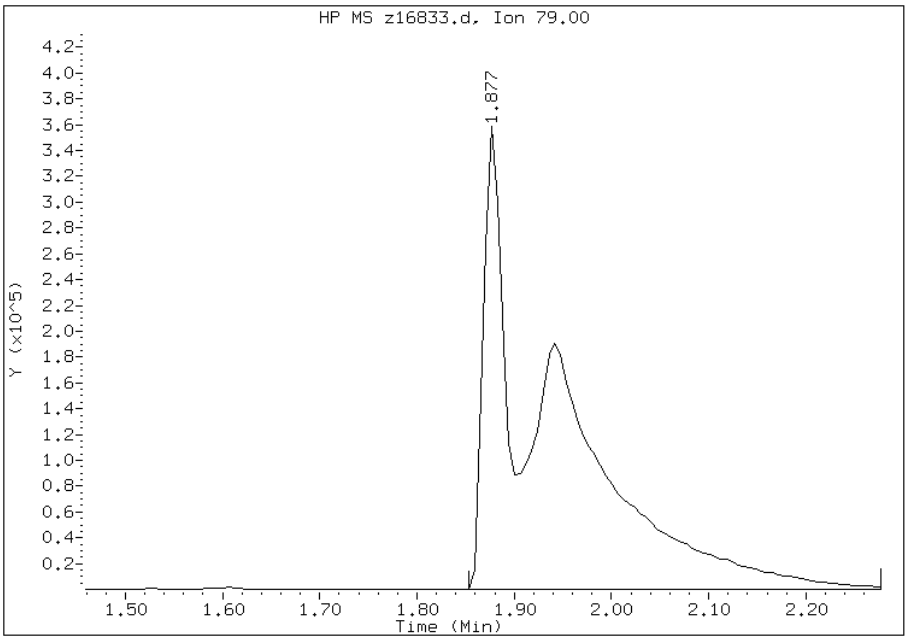
Manual Integration Results

RT: 1.88

Response: 1672662

Amount: 121

Conc: 121



Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: z16833.d
Inj. Date and Time: 01-FEB-2013 03:58
Instrument ID: BNAMS11.i
Client ID:
Compound: 20 bis(2-Chloroethyl)ether
CAS #: 111-44-4
Report Date: 02/01/2013

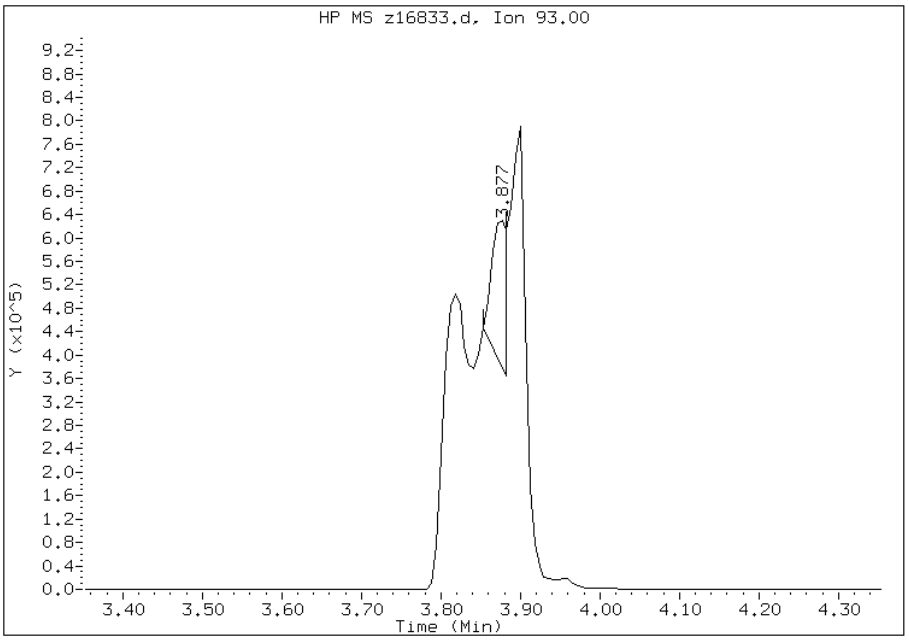
Processing Integration Results

RT: 3.88

Response: 336933

Amount: 28

Conc: 28



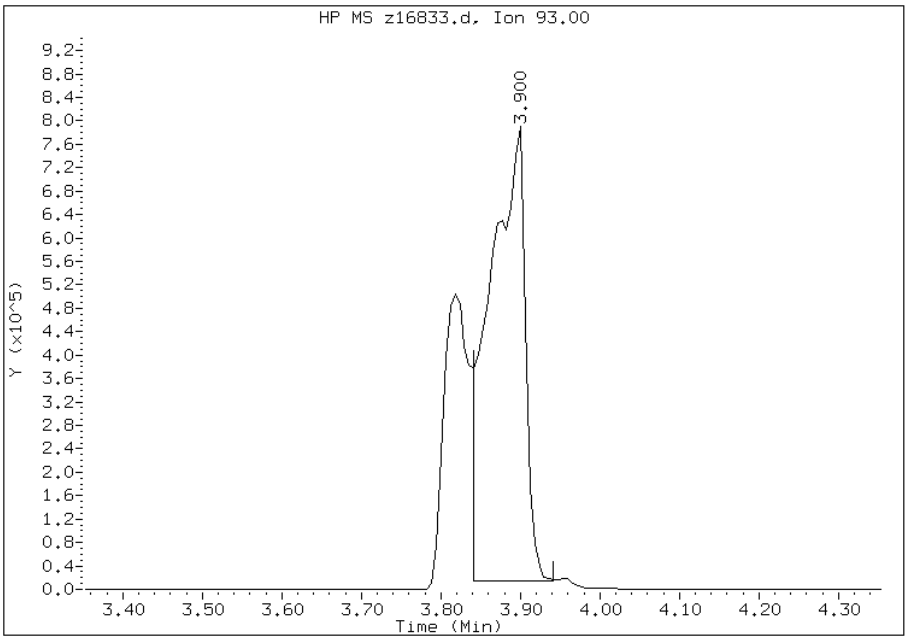
Manual Integration Results

RT: 3.90

Response: 2426474

Amount: 120

Conc: 120



Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: z16833.d
Inj. Date and Time: 01-FEB-2013 03:58
Instrument ID: BNAMS11.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 02/01/2013

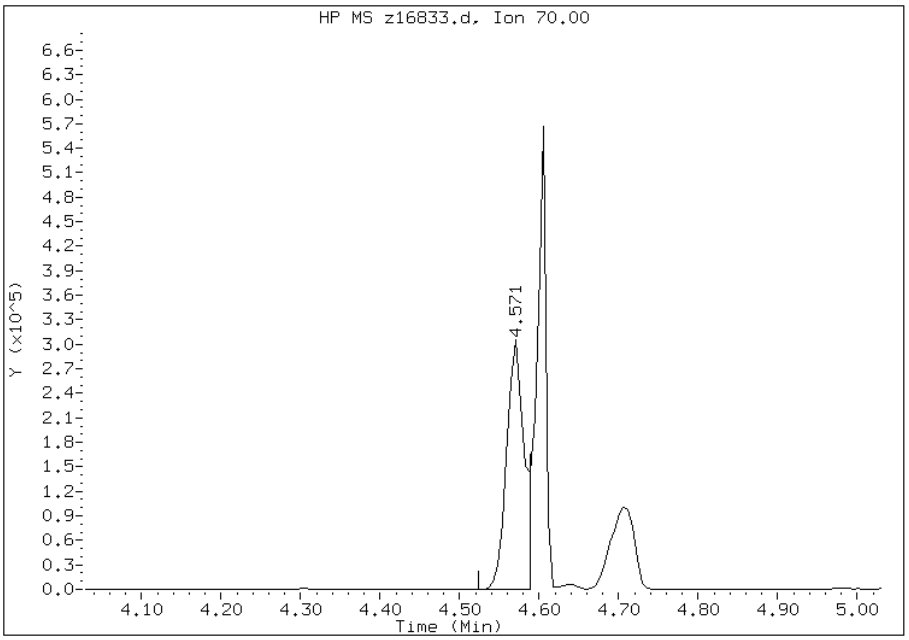
Processing Integration Results

RT: 4.57

Response: 482280

Amount: 69

Conc: 69



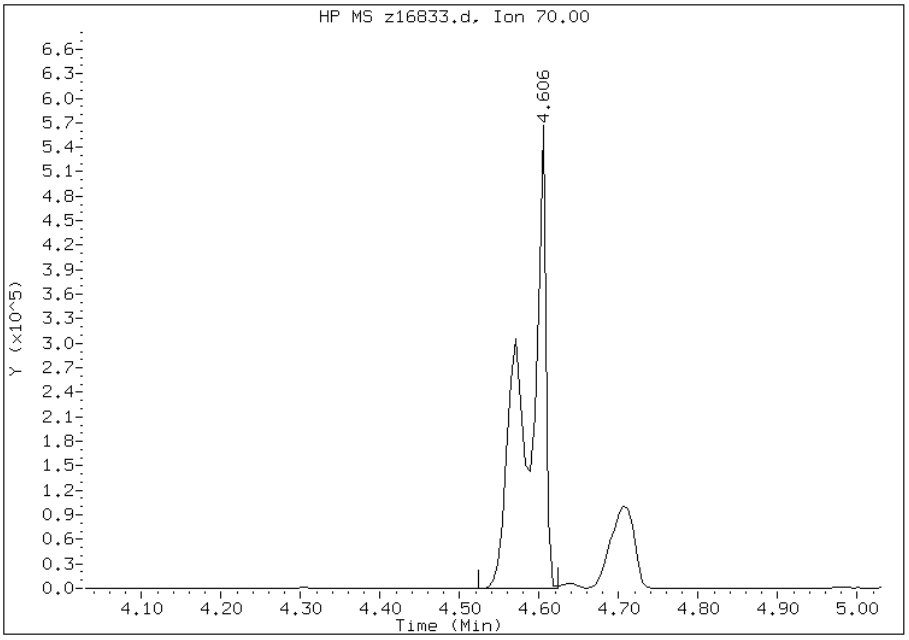
Manual Integration Results

RT: 4.61

Response: 925666

Amount: 115

Conc: 115



Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: z16833.d
Inj. Date and Time: 01-FEB-2013 03:58
Instrument ID: BNAMS11.i
Client ID:
Compound: 15 Benzoic Acid
CAS #: 65-85-0
Report Date: 02/01/2013

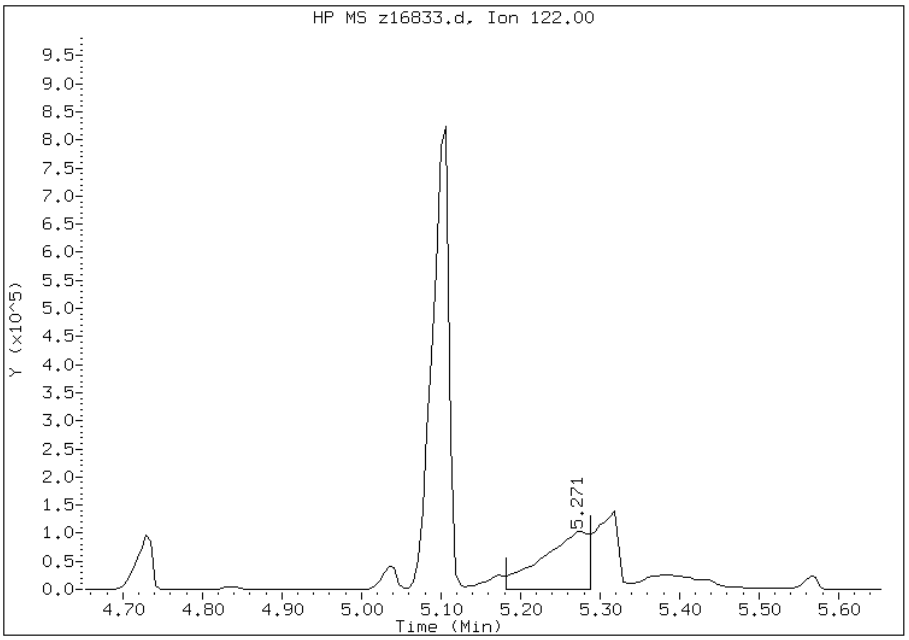
Processing Integration Results

RT: 5.27

Response: 431053

Amount: 92

Conc: 92



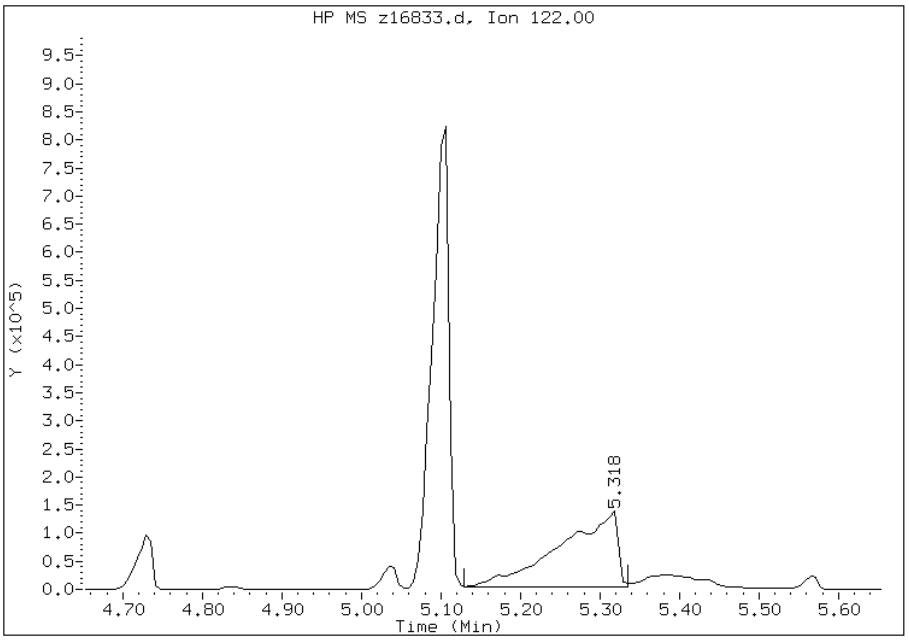
Manual Integration Results

RT: 5.32

Response: 662697

Amount: 124

Conc: 124



Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16834.d
Report Date: 01-Feb-2013 08:07

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16834.d
Lab Smp Id: IC-1888827
Inj Date : 01-FEB-2013 04:22
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-1888827
Misc Info : 80 ppm bna4724
Comment :
Method : /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/8270C_11.m
Meth Date : 01-Feb-2013 08:07 croccom Quant Type: ISTD
Cal Date : 01-FEB-2013 04:22 Cal File: z16834.d
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.577	1.577	(0.381)	494834	80.0000	80
	19 N-Nitrosodimethylamine	74	1.830	1.830	(0.442)	700454	80.0000	83(H)
	71 Pyridine	79	1.859	1.859	(0.450)	1225472	80.0000	80(H)
$	16 2-Fluorophenol (SUR)	112	2.900	2.900	(0.701)	1113658	80.0000	78
	110 Benzaldehyde	77	3.700	3.700	(0.895)	161108	80.0000	25
$	17 Phenol-d5 (SUR)	99	3.800	3.800	(0.919)	1271777	80.0000	74
	1 Phenol	94	3.818	3.818	(0.923)	1365774	80.0000	73
	73 Aniline	93	3.812	3.812	(0.922)	1459676	80.0000	71
	20 bis(2-Chloroethyl)ether	93	3.883	3.883	(0.939)	1273548	80.0000	79
	2 2-Chlorophenol	128	3.942	3.942	(0.953)	1127878	80.0000	76
	113 n-decane	43	3.983	3.983	(0.963)	957870	80.0000	73
	21 1,3-Dichlorobenzene	146	4.083	4.083	(0.987)	1329614	80.0000	77
*	79 1,4-Dichlorobenzene-d4	152	4.136	4.136	(1.000)	425288	40.0000	

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16834.d
Report Date: 01-Feb-2013 08:07

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	22 1,4-Dichlorobenzene	146	4.153	4.153	(1.004)	1325219	80.0000	77
	74 Benzyl Alcohol	108	4.289	4.289	(1.037)	681972	80.0000	80
	23 1,2-Dichlorobenzene	146	4.306	4.306	(1.041)	1222875	80.0000	76
	3 2-Methylphenol	108	4.406	4.406	(1.065)	905861	80.0000	74
	24 bis (2-chloroisopropyl) ether	45	4.412	4.412	(1.067)	1043970	80.0000	74
	4 4-Methylphenol	108	4.577	4.577	(1.107)	892513	80.0000	70
	123 3 & 4 Methylphenol	108	4.577	4.577	(1.107)	892581	80.0000	71
	104 Acetophenone	105	4.553	4.553	(1.101)	1333643	80.0000	73
	25 N-Nitroso-di-n-propylamine	70	4.565	4.565	(1.104)	702994	80.0000	79(M)
	26 Hexachloroethane	117	4.636	4.636	(1.121)	494626	80.0000	77
$	76 Nitrobenzene-d5 (SUR)	82	4.700	4.700	(0.868)	1119277	80.0000	76
	27 Nitrobenzene	77	4.730	4.730	(0.874)	1429068	80.0000	74
	107 N,N-Dimethylaniline	120	4.730	4.730	(1.144)	1591973	80.0000	78
	28 Isophorone	82	4.965	4.965	(0.917)	1715415	80.0000	77
	5 2-Nitrophenol	139	5.036	5.036	(0.930)	571173	80.0000	80
	6 2,4-Dimethylphenol	122	5.100	5.100	(0.942)	855351	80.0000	75
	29 bis(2-Chloroethoxy)methane	93	5.183	5.183	(0.958)	1141577	80.0000	78
	15 Benzoic Acid	122	5.294	5.294	(0.978)	462623	80.0000	77(M)
	7 2,4-Dichlorophenol	162	5.289	5.289	(0.977)	747603	80.0000	75
	30 1,2,4-Trichlorobenzene	180	5.359	5.359	(0.990)	930988	80.0000	77
*	80 Naphthalene-d8	136	5.412	5.412	(1.000)	1520971	40.0000	
	31 Naphthalene	128	5.436	5.436	(1.004)	3049963	80.0000	77
	32 4-Chloroaniline	127	5.500	5.500	(1.016)	997145	80.0000	74
	33 Hexachlorobutadiene	225	5.571	5.571	(1.029)	510276	80.0000	76
	111 Caprolactam	113	5.924	5.924	(1.095)	206578	80.0000	72(H)
	8 4-Chloro-3-methylphenol	107	6.012	6.012	(1.111)	725907	80.0000	74
	34 2-Methylnaphthalene	142	6.130	6.130	(1.133)	1825594	80.0000	76
	120 1-Methylnaphthalene	142	6.230	6.230	(1.151)	1857747	80.0000	75
	35 Hexachlorocyclopentadiene	237	6.294	6.294	(0.879)	469391	80.0000	86
	129 1,2,4,5-Tetrachlorobenzene	216	6.306	6.306	(0.881)	804156	80.0000	79
	121 2-tert-Butyl-4-methylphenol	149	6.347	6.347	(1.173)	1239250	80.0000	74
	9 2,4,6-Trichlorophenol	196	6.418	6.418	(0.896)	490535	80.0000	81
	10 2,4,5-Trichlorophenol	196	6.465	6.465	(0.903)	479869	80.0000	78
$	77 2-Fluorobiphenyl (SUR)	172	6.500	6.500	(0.908)	1828109	80.0000	79
	102 Diphenyl	154	6.600	6.600	(0.922)	2018857	80.0000	77
	36 2-Chloronaphthalene	162	6.618	6.618	(0.924)	1534274	80.0000	78
	103 Diphenyl Ether	170	6.700	6.700	(0.936)	1114000	80.0000	80
	37 2-Nitroaniline	65	6.724	6.724	(0.939)	403378	80.0000	71
	125 1,3-Dimethylnaphthalene	156	6.830	6.830	(0.954)	1312678	80.0000	78
	38 Dimethylphthalate	163	6.912	6.912	(0.965)	1473551	80.0000	78
	114 Coumarin	146	6.930	6.930	(1.280)	487252	80.0000	74
	40 2,6-Dinitrotoluene	165	6.965	6.965	(0.973)	367021	80.0000	82
	39 Acenaphthylene	152	7.024	7.024	(0.981)	2309534	80.0000	78
	41 3-Nitroaniline	138	7.135	7.135	(0.997)	347149	80.0000	78
*	82 Acenaphthene-d10	164	7.159	7.159	(1.000)	658939	40.0000	
	122 2,6-Di-tert-butyl-p-cresol	205	7.194	7.194	(1.005)	1292827	80.0000	76
	42 Acenaphthene	154	7.194	7.194	(1.005)	1333704	80.0000	76

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16834.d
Report Date: 01-Feb-2013 08:07

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	11 2,4-Dinitrophenol	184	7.235	7.235	(1.011)	202743	80.0000	86
	12 4-Nitrophenol	65	7.312	7.312	(1.021)	240930	80.0000	84
	44 2,4-Dinitrotoluene	165	7.359	7.359	(1.028)	429158	80.0000	79
	43 Dibenzofuran	168	7.365	7.365	(1.029)	1948594	80.0000	78
	130 2,3,4,6-Tetrachlorophenol	232	7.488	7.488	(1.046)	344384	80.0000	84
	45 Diethylphthalate	149	7.600	7.600	(1.062)	1403996	80.0000	79
	46 4-Chlorophenyl-phenylether	204	7.700	7.700	(1.076)	712253	80.0000	77
	47 Fluorene	166	7.700	7.700	(1.076)	1532758	80.0000	77
	48 4-Nitroaniline	138	7.741	7.741	(1.081)	319756	80.0000	80
	13 4,6-Dinitro-2-methylphenol	198	7.765	7.765	(0.902)	254887	80.0000	92
	49 N-Nitrosodiphenylamine	169	7.824	7.824	(0.908)	991951	80.0000	78
	75 1,2-Diphenylhydrazine	77	7.859	7.859	(0.913)	1711988	80.0000	77
$	18 2,4,6-Tribromophenol (SUR)	330	7.941	7.941	(1.109)	232672	80.0000	82
	50 4-Bromophenyl-phenylether	248	8.177	8.177	(0.949)	413213	80.0000	80
	51 Hexachlorobenzene	284	8.247	8.247	(0.958)	437187	80.0000	79
	112 Atrazine	200	8.353	8.353	(0.970)	324710	80.0000	76
	14 Pentachlorophenol	266	8.441	8.441	(0.980)	247646	80.0000	88
	132 Pentachloronitrobenzene	237	8.453	8.453	(0.982)	158481	80.0000	79
	115 n-Octadecane	57	8.524	8.524	(0.990)	834107	80.0000	78
*	83 Phenanthrene-d10	188	8.612	8.612	(1.000)	849643	40.0000	
	52 Phenanthrene	178	8.641	8.641	(1.003)	1867408	80.0000	78
	53 Anthracene	178	8.688	8.688	(1.009)	1887547	80.0000	78
	54 Carbazole	167	8.847	8.847	(1.027)	1530757	80.0000	78
	55 Di-n-butylphthalate	149	9.194	9.194	(1.068)	1938786	80.0000	80
	56 Fluoranthene	202	9.800	9.800	(1.138)	1603690	80.0000	76
	58 Benzidine	184	9.929	9.929	(1.153)	56324	80.0000	12
	57 Pyrene	202	10.018	10.018	(0.885)	1558464	80.0000	87
$	78 Terphenyl-d14	244	10.176	10.176	(0.899)	1066102	80.0000	87
	59 Butylbenzylphthalate	149	10.688	10.688	(0.944)	596515	80.0000	88
	124 Carbamazepine	193	10.806	10.806	(0.954)	385984	80.0000	88
	60 3,3'-Dichlorobenzidine	252	11.288	11.288	(0.997)	216953	80.0000	78
	61 Benzo(a)anthracene	228	11.312	11.312	(0.999)	938330	80.0000	78
*	81 Chrysene-d12	240	11.323	11.323	(1.000)	401621	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.359	11.359	(1.003)	769695	80.0000	85
	62 Chrysene	228	11.359	11.359	(1.003)	884402	80.0000	79
	64 Di-n-octylphthalate	149	12.188	12.188	(0.925)	1026108	80.0000	90
	65 Benzo(b)fluoranthene	252	12.676	12.676	(0.962)	620644	80.0000	80
	66 Benzo(k)fluoranthene	252	12.712	12.712	(0.965)	689571	80.0000	82
	67 Benzo(a)pyrene	252	13.106	13.106	(0.995)	501610	80.0000	82
*	84 Perylene-d12	264	13.176	13.176	(1.000)	246706	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	14.623	14.623	(1.110)	450292	80.0000	89
	69 Dibenz(a,h)anthracene	278	14.659	14.659	(1.112)	449563	80.0000	86
	70 Benzo(g,h,i)perylene	276	15.017	15.017	(1.140)	434585	80.0000	85

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16834.d
Report Date: 01-Feb-2013 08:07

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z16834.d

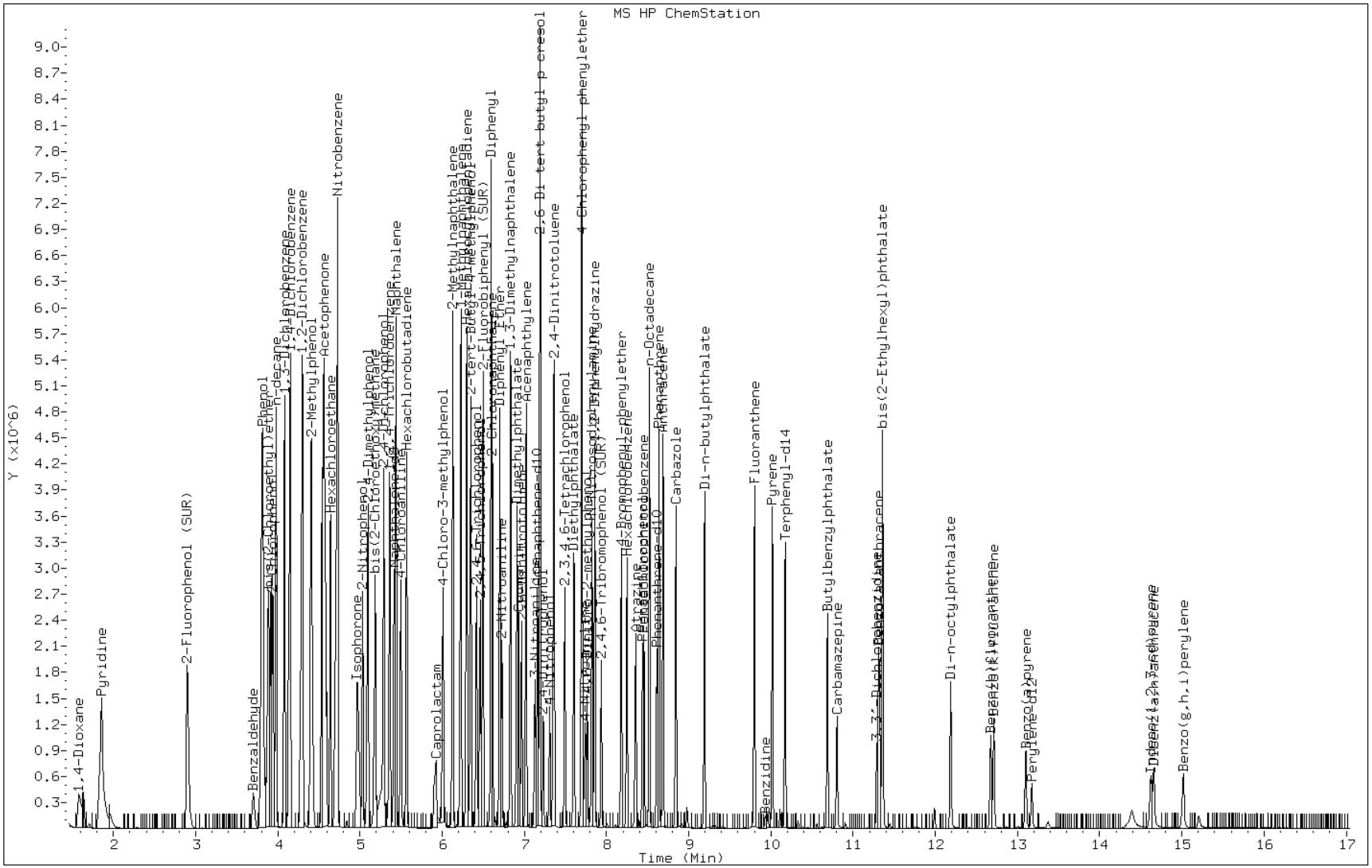
Date: 01-FEB-2013 04:22

Client ID:

Instrument: BNAMS11.i

Sample Info: IC-1888827

Operator: BNAMS 4



Manual Integration Report

Data File: z16834.d
Inj. Date and Time: 01-FEB-2013 04:22
Instrument ID: BNAMS11.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 02/01/2013

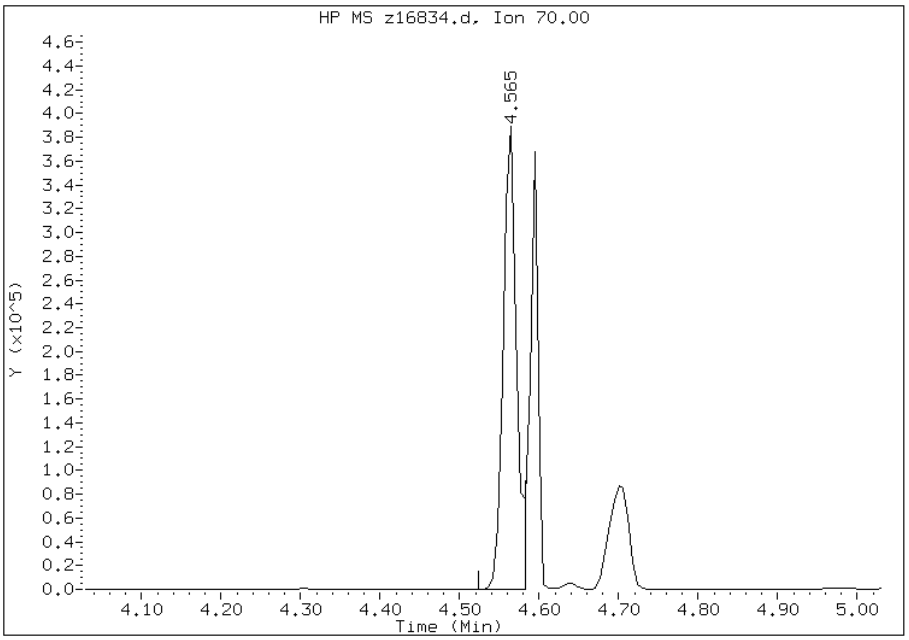
Processing Integration Results

RT: 4.57

Response: 469168

Amount: 56

Conc: 56



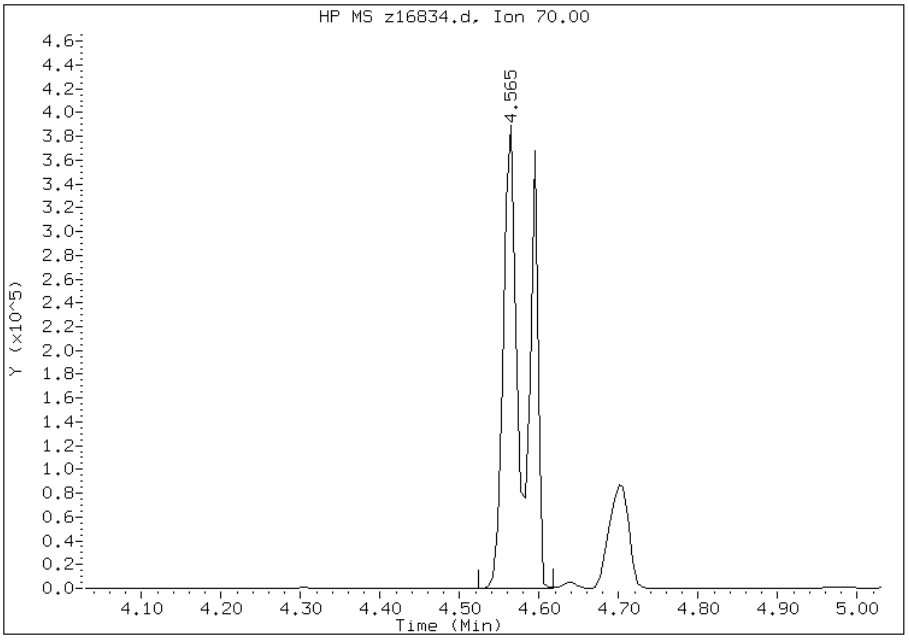
Manual Integration Results

RT: 4.57

Response: 702994

Amount: 79

Conc: 79



Manually Integrated By: wahied
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: z16834.d
Inj. Date and Time: 01-FEB-2013 04:22
Instrument ID: BNAMS11.i
Client ID:
Compound: 15 Benzoic Acid
CAS #: 65-85-0
Report Date: 02/01/2013

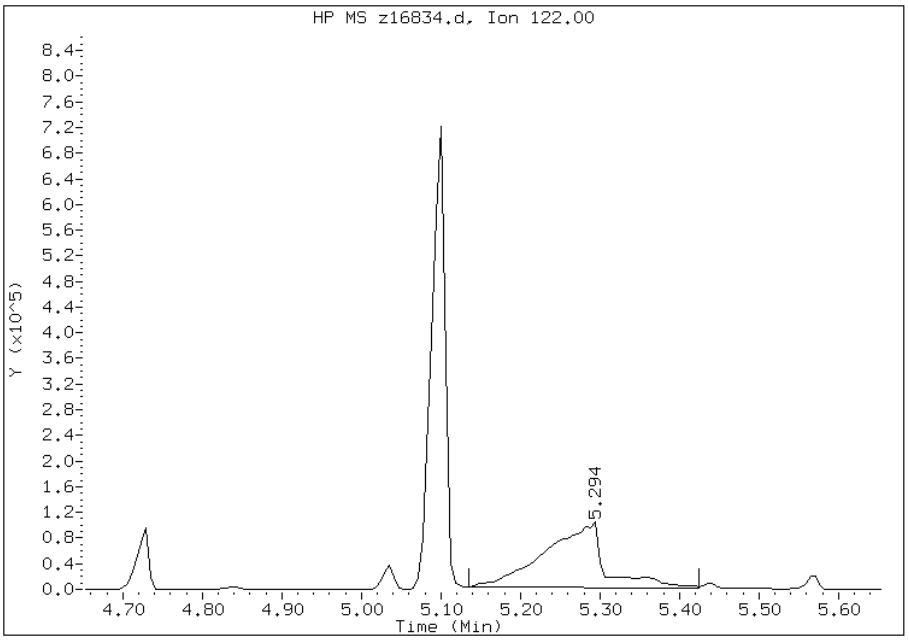
Processing Integration Results

RT: 5.29

Response: 535720

Amount: 102

Conc: 102



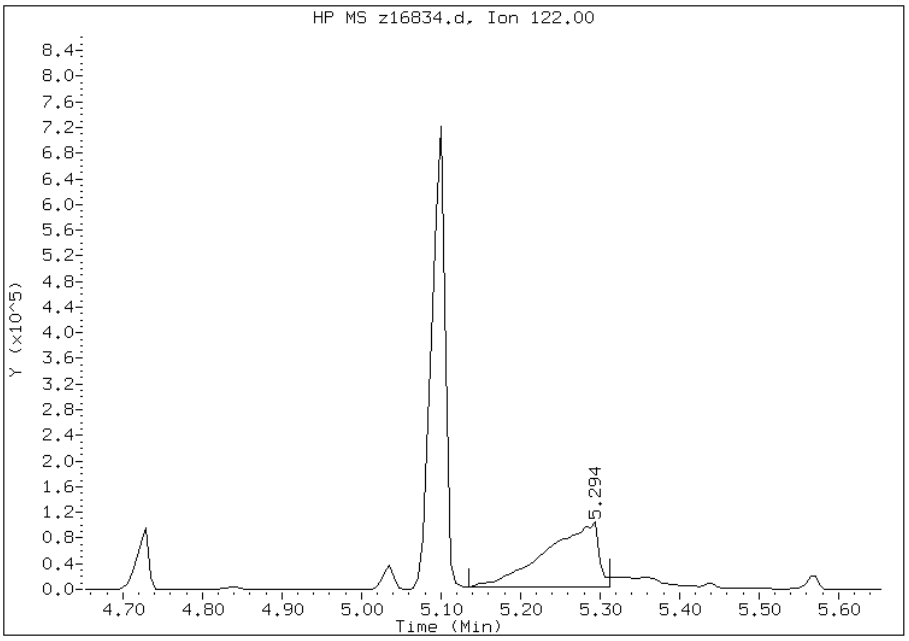
Manual Integration Results

RT: 5.29

Response: 462623

Amount: 77

Conc: 77



Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16835.d
Report Date: 01-Feb-2013 08:07

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16835.d
Lab Smp Id: IC-1888828
Inj Date : 01-FEB-2013 04:45
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-1888828
Misc Info : 20 ppm bna4724
Comment :
Method : /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/8270C_11.m
Meth Date : 01-Feb-2013 08:07 croccom Quant Type: ISTD
Cal Date : 01-FEB-2013 04:45 Cal File: z16835.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.524	1.524	(0.370)	106517	20.0000	20
	19 N-Nitrosodimethylamine	74	1.736	1.736	(0.421)	147062	20.0000	20(H)
	71 Pyridine	79	1.765	1.765	(0.428)	267634	20.0000	20(H)
$	16 2-Fluorophenol (SUR)	112	2.842	2.842	(0.689)	259672	20.0000	21
	110 Benzaldehyde	77	3.677	3.677	(0.892)	117140	20.0000	20
$	17 Phenol-d5 (SUR)	99	3.765	3.765	(0.913)	317621	20.0000	21
	1 Phenol	94	3.777	3.777	(0.916)	345122	20.0000	21
	73 Aniline	93	3.789	3.789	(0.919)	381060	20.0000	21
	20 bis(2-Chloroethyl)ether	93	3.853	3.853	(0.934)	256689	20.0000	22
	2 2-Chlorophenol	128	3.912	3.912	(0.949)	270251	20.0000	21
	113 n-decane	43	3.971	3.971	(0.963)	245854	20.0000	21
	21 1,3-Dichlorobenzene	146	4.065	4.065	(0.986)	304885	20.0000	20
*	79 1,4-Dichlorobenzene-d4	152	4.124	4.124	(1.000)	373576	40.0000	

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16835.d
Report Date: 01-Feb-2013 08:07

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	22 1,4-Dichlorobenzene	146	4.136	4.136	(1.003)	300891	20.0000	20
	74 Benzyl Alcohol	108	4.265	4.265	(1.034)	152641	20.0000	20
	23 1,2-Dichlorobenzene	146	4.289	4.289	(1.040)	285379	20.0000	20
	3 2-Methylphenol	108	4.383	4.383	(1.063)	225683	20.0000	21
	24 bis (2-chloroisopropyl) ether	45	4.400	4.400	(1.067)	259150	20.0000	21
	4 4-Methylphenol	108	4.541	4.541	(1.101)	237161	20.0000	21
	123 3 & 4 Methylphenol	108	4.541	4.541	(1.101)	237768	20.0000	21
	104 Acetophenone	105	4.530	4.530	(1.098)	330731	20.0000	20
	25 N-Nitroso-di-n-propylamine	70	4.536	4.536	(1.100)	166769	20.0000	21
	26 Hexachloroethane	117	4.630	4.630	(1.123)	115053	20.0000	20
$	76 Nitrobenzene-d5 (SUR)	82	4.683	4.683	(0.866)	267567	20.0000	20
	27 Nitrobenzene	77	4.700	4.700	(0.869)	348921	20.0000	20
	107 N,N-Dimethylaniline	120	4.706	4.706	(1.141)	374129	20.0000	21
	28 Isophorone	82	4.941	4.941	(0.914)	410115	20.0000	20
	5 2-Nitrophenol	139	5.024	5.024	(0.929)	131932	20.0000	20
	6 2,4-Dimethylphenol	122	5.077	5.077	(0.939)	210747	20.0000	20
	29 bis(2-Chloroethoxy)methane	93	5.165	5.165	(0.955)	267519	20.0000	20
	15 Benzoic Acid	122	5.206	5.206	(0.963)	97373	20.0000	18(M)
	7 2,4-Dichlorophenol	162	5.271	5.271	(0.975)	188277	20.0000	21
	30 1,2,4-Trichlorobenzene	180	5.353	5.353	(0.990)	217738	20.0000	20
*	80 Naphthalene-d8	136	5.406	5.406	(1.000)	1381331	40.0000	
	31 Naphthalene	128	5.424	5.424	(1.003)	717983	20.0000	20
	32 4-Chloroaniline	127	5.483	5.483	(1.014)	257553	20.0000	21
	33 Hexachlorobutadiene	225	5.565	5.565	(1.029)	120213	20.0000	20
	111 Caprolactam	113	5.841	5.841	(1.081)	57066	20.0000	22
	8 4-Chloro-3-methylphenol	107	5.988	5.988	(1.108)	189995	20.0000	21
	34 2-Methylnaphthalene	142	6.118	6.118	(1.132)	444383	20.0000	20
	120 1-Methylnaphthalene	142	6.218	6.218	(1.150)	481326	20.0000	21
	35 Hexachlorocyclopentadiene	237	6.288	6.288	(0.879)	102361	20.0000	19
	129 1,2,4,5-Tetrachlorobenzene	216	6.294	6.294	(0.880)	202325	20.0000	20
	121 2-tert-Butyl-4-methylphenol	149	6.335	6.335	(1.172)	328990	20.0000	22
	9 2,4,6-Trichlorophenol	196	6.406	6.406	(0.896)	121162	20.0000	20
	10 2,4,5-Trichlorophenol	196	6.447	6.447	(0.901)	126483	20.0000	20
$	77 2-Fluorobiphenyl (SUR)	172	6.488	6.488	(0.907)	464468	20.0000	20
	102 Diphenyl	154	6.588	6.588	(0.921)	510917	20.0000	20
	36 2-Chloronaphthalene	162	6.600	6.600	(0.923)	397217	20.0000	20
	103 Diphenyl Ether	170	6.694	6.694	(0.936)	275875	20.0000	20
	37 2-Nitroaniline	65	6.706	6.706	(0.938)	129315	20.0000	23
	125 1,3-Dimethylnaphthalene	156	6.824	6.824	(0.954)	350468	20.0000	21
	38 Dimethylphthalate	163	6.894	6.894	(0.964)	384708	20.0000	20
	114 Coumarin	146	6.912	6.912	(1.279)	134635	20.0000	23
	40 2,6-Dinitrotoluene	165	6.947	6.947	(0.971)	92245	20.0000	21
	39 Acenaphthylene	152	7.012	7.012	(0.980)	593431	20.0000	20
	41 3-Nitroaniline	138	7.112	7.112	(0.994)	93643	20.0000	21
*	82 Acenaphthene-d10	164	7.153	7.153	(1.000)	658057	40.0000	
	122 2,6-Di-tert-butyl-p-cresol	205	7.182	7.182	(1.004)	369965	20.0000	22
	42 Acenaphthene	154	7.182	7.182	(1.004)	359139	20.0000	20

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16835.d
Report Date: 01-Feb-2013 08:07

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	11	2,4-Dinitrophenol	184	7.218	7.218	(1.009)	58566	30.0000	27
	12	4-Nitrophenol	65	7.294	7.294	(1.020)	87184	30.0000	30
	44	2,4-Dinitrotoluene	165	7.347	7.347	(1.027)	113146	20.0000	21
	43	Dibenzofuran	168	7.353	7.353	(1.028)	508320	20.0000	20
	130	2,3,4,6-Tetrachlorophenol	232	7.482	7.482	(1.046)	82642	20.0000	20
	45	Diethylphthalate	149	7.588	7.588	(1.061)	360789	20.0000	20
	46	4-Chlorophenyl-phenylether	204	7.694	7.694	(1.076)	189026	20.0000	20
	47	Fluorene	166	7.688	7.688	(1.075)	408496	20.0000	21
	48	4-Nitroaniline	138	7.718	7.718	(1.079)	85346	20.0000	22
	13	4,6-Dinitro-2-methylphenol	198	7.747	7.747	(0.900)	82919	30.0000	29
	49	N-Nitrosodiphenylamine	169	7.812	7.812	(0.907)	256121	20.0000	20
	75	1,2-Diphenylhydrazine	77	7.847	7.847	(0.911)	460306	20.0000	20
$	18	2,4,6-Tribromophenol (SUR)	330	7.929	7.929	(1.109)	57357	20.0000	20
	50	4-Bromophenyl-phenylether	248	8.171	8.171	(0.949)	104817	20.0000	20
	51	Hexachlorobenzene	284	8.235	8.235	(0.956)	112750	20.0000	20
	112	Atrazine	200	8.341	8.341	(0.969)	85714	20.0000	20
	14	Pentachlorophenol	266	8.429	8.429	(0.979)	84221	30.0000	29
	132	Pentachloronitrobenzene	237	8.447	8.447	(0.981)	40745	20.0000	20
	115	n-Octadecane	57	8.518	8.518	(0.989)	229520	20.0000	21
*	83	Phenanthrene-d10	188	8.612	8.612	(1.000)	869936	40.0000	
	52	Phenanthrene	178	8.629	8.629	(1.002)	489974	20.0000	20
	53	Anthracene	178	8.676	8.676	(1.008)	501585	20.0000	20
	54	Carbazole	167	8.835	8.835	(1.026)	405250	20.0000	20
	55	Di-n-butylphthalate	149	9.188	9.188	(1.067)	502689	20.0000	20
	56	Fluoranthene	202	9.794	9.794	(1.137)	432361	20.0000	20
	58	Benzidine	184	9.923	9.923	(1.152)	164667	30.0000	35
	57	Pyrene	202	10.012	10.012	(0.885)	421094	20.0000	19
$	78	Terphenyl-d14	244	10.170	10.170	(0.899)	291920	20.0000	19
	59	Butylbenzylphthalate	149	10.682	10.682	(0.944)	160155	20.0000	19
	124	Carbamazepine	193	10.794	10.794	(0.954)	115402	20.0000	21
	60	3,3'-Dichlorobenzidine	252	11.282	11.282	(0.997)	134596	30.0000	32
	61	Benzo(a)anthracene	228	11.306	11.306	(0.999)	282410	20.0000	19
*	81	Chrysene-d12	240	11.317	11.317	(1.000)	491612	40.0000	
	63	bis(2-Ethylhexyl)phthalate	149	11.353	11.353	(1.003)	212742	20.0000	19
	62	Chrysene	228	11.347	11.347	(1.003)	278597	20.0000	20
	64	Di-n-octylphthalate	149	12.182	12.182	(0.925)	287357	20.0000	19
	65	Benzo(b)fluoranthene	252	12.664	12.664	(0.961)	203037	20.0000	20
	66	Benzo(k)fluoranthene	252	12.700	12.700	(0.964)	228336	20.0000	21
	67	Benzo(a)pyrene	252	13.094	13.094	(0.994)	162271	20.0000	20
*	84	Perylene-d12	264	13.176	13.176	(1.000)	321339	40.0000	
	68	Indeno(1,2,3-cd)pyrene	276	14.617	14.617	(1.109)	130080	20.0000	20
	69	Dibenz(a,h)anthracene	278	14.647	14.647	(1.112)	133859	20.0000	20
	70	Benzo(g,h,i)perylene	276	15.000	15.000	(1.138)	130001	20.0000	20

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16835.d
Report Date: 01-Feb-2013 08:07

QC Flag Legend

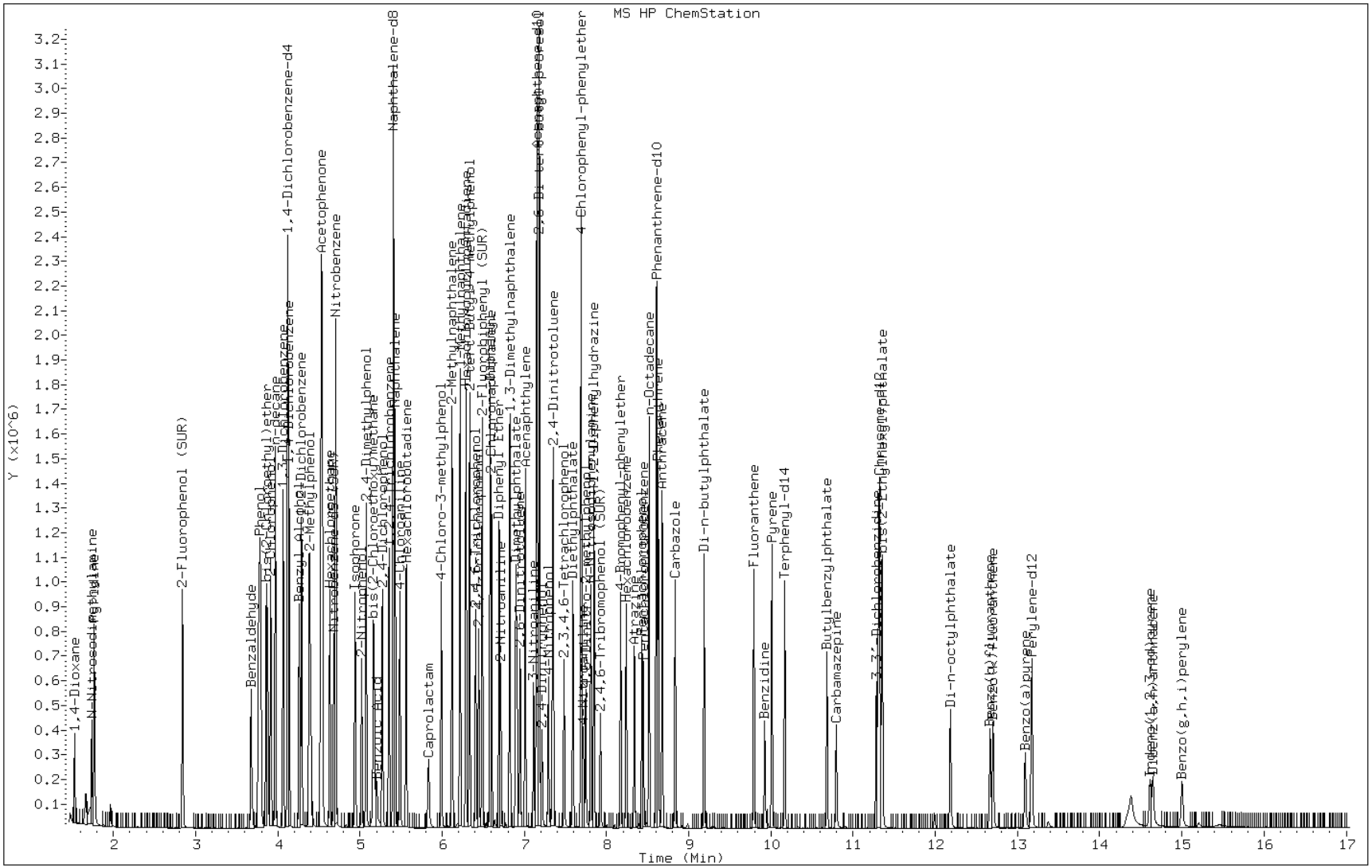
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z16835.d

Date: 01-FEB-2013 04:45

Client ID: Instrument: BNAMS11.i

Sample Info: IC-1888828 Operator: BNAMS 4



Manual Integration Report

Data File: z16835.d
Inj. Date and Time: 01-FEB-2013 04:45
Instrument ID: BNAMS11.i
Client ID:
Compound: 15 Benzoic Acid
CAS #: 65-85-0
Report Date: 02/01/2013

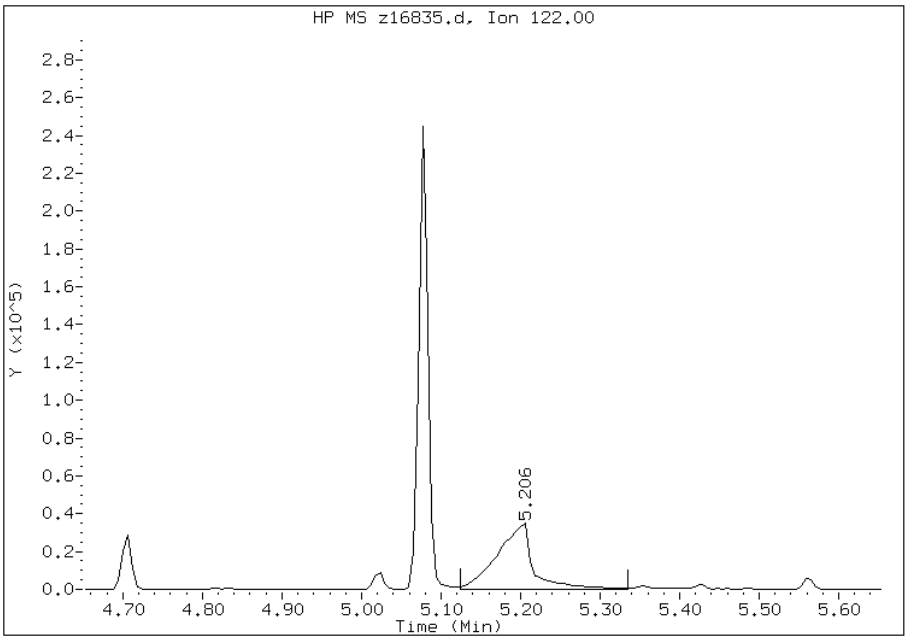
Processing Integration Results

RT: 5.21

Response: 109600

Amount: 24

Conc: 24



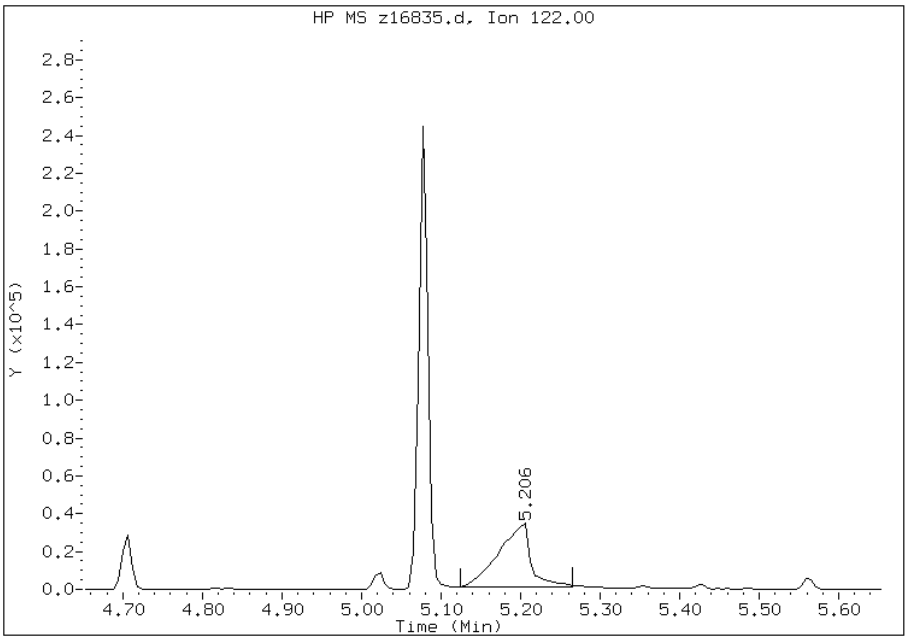
Manual Integration Results

RT: 5.21

Response: 97373

Amount: 18

Conc: 18



Manually Integrated By: wahied
Manual Integration Reason: Baseline Event

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16836.d
Report Date: 01-Feb-2013 08:07

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16836.d
Lab Smp Id: IC-1888934
Inj Date : 01-FEB-2013 05:08
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-1888934
Misc Info : 10 ppm bna4724
Comment :
Method : /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/8270C_11.m
Meth Date : 01-Feb-2013 08:07 croccom Quant Type: ISTD
Cal Date : 01-FEB-2013 05:08 Cal File: z16836.d
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.524	1.524	(0.370)	53118	10.0000	10
	19 N-Nitrosodimethylamine	74	1.736	1.736	(0.422)	70436	10.0000	9.7(H)
	71 Pyridine	79	1.765	1.765	(0.429)	130307	10.0000	10
$	16 2-Fluorophenol (SUR)	112	2.842	2.842	(0.690)	124004	10.0000	10
	110 Benzaldehyde	77	3.677	3.677	(0.893)	74695	10.0000	13
$	17 Phenol-d5 (SUR)	99	3.759	3.759	(0.913)	153552	10.0000	10
	1 Phenol	94	3.771	3.771	(0.916)	168009	10.0000	10
	73 Aniline	93	3.789	3.789	(0.920)	186295	10.0000	10
	20 bis(2-Chloroethyl)ether	93	3.853	3.853	(0.936)	132321	10.0000	12
	2 2-Chlorophenol	128	3.912	3.912	(0.950)	128452	10.0000	10
	113 n-decane	43	3.965	3.965	(0.963)	115270	10.0000	10
	21 1,3-Dichlorobenzene	146	4.065	4.065	(0.987)	150786	10.0000	10
*	79 1,4-Dichlorobenzene-d4	152	4.118	4.118	(1.000)	364609	40.0000	

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16836.d
Report Date: 01-Feb-2013 08:07

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	22 1,4-Dichlorobenzene	146	4.136	4.136	(1.004)	152268	10.0000	10
	74 Benzyl Alcohol	108	4.259	4.259	(1.034)	74924	10.0000	10
	23 1,2-Dichlorobenzene	146	4.289	4.289	(1.041)	141806	10.0000	10
	3 2-Methylphenol	108	4.383	4.383	(1.064)	108620	10.0000	10
	24 bis (2-chloroisopropyl) ether	45	4.400	4.400	(1.069)	130036	10.0000	11
	4 4-Methylphenol	108	4.536	4.536	(1.101)	114582	10.0000	10(M)
	123 3 & 4 Methylphenol	108	4.536	4.536	(1.101)	114140	10.0000	10
	104 Acetophenone	105	4.524	4.524	(1.099)	169883	10.0000	11
	25 N-Nitroso-di-n-propylamine	70	4.530	4.530	(1.100)	80101	10.0000	10
	26 Hexachloroethane	117	4.630	4.630	(1.124)	56850	10.0000	10
$	76 Nitrobenzene-d5 (SUR)	82	4.677	4.677	(0.865)	126061	10.0000	9.9
	27 Nitrobenzene	77	4.700	4.700	(0.869)	178447	10.0000	10
	107 N,N-Dimethylaniline	120	4.700	4.700	(1.141)	184345	10.0000	10
	28 Isophorone	82	4.936	4.936	(0.913)	193295	10.0000	10
	5 2-Nitrophenol	139	5.018	5.018	(0.928)	59271	10.0000	9.4
	6 2,4-Dimethylphenol	122	5.077	5.077	(0.939)	100124	10.0000	10
	29 bis(2-Chloroethoxy)methane	93	5.165	5.165	(0.955)	131450	10.0000	10
	15 Benzoic Acid	122	5.171	5.171	(0.956)	33259	10.0000	6.3(M)
	7 2,4-Dichlorophenol	162	5.265	5.265	(0.974)	88833	10.0000	10
	30 1,2,4-Trichlorobenzene	180	5.353	5.353	(0.990)	109053	10.0000	10
*	80 Naphthalene-d8	136	5.406	5.406	(1.000)	1329220	40.0000	
	31 Naphthalene	128	5.424	5.424	(1.003)	352323	10.0000	10
	32 4-Chloroaniline	127	5.483	5.483	(1.014)	125604	10.0000	11
	33 Hexachlorobutadiene	225	5.559	5.559	(1.028)	59719	10.0000	10
	111 Caprolactam	113	5.818	5.818	(1.076)	25334	10.0000	10
	8 4-Chloro-3-methylphenol	107	5.983	5.983	(1.107)	86525	10.0000	10
	34 2-Methylnaphthalene	142	6.118	6.118	(1.132)	214758	10.0000	10
	120 1-Methylnaphthalene	142	6.218	6.218	(1.150)	213724	10.0000	9.8(a)
	35 Hexachlorocyclopentadiene	237	6.289	6.289	(0.879)	46879	10.0000	9.1
	129 1,2,4,5-Tetrachlorobenzene	216	6.289	6.289	(0.879)	91276	10.0000	9.5
	121 2-tert-Butyl-4-methylphenol	149	6.330	6.330	(1.171)	147062	10.0000	10
	9 2,4,6-Trichlorophenol	196	6.406	6.406	(0.896)	53675	10.0000	9.4
	10 2,4,5-Trichlorophenol	196	6.441	6.441	(0.900)	57176	10.0000	9.8
$	77 2-Fluorobiphenyl (SUR)	172	6.489	6.489	(0.907)	210813	10.0000	9.6
	102 Diphenyl	154	6.583	6.583	(0.920)	257079	10.0000	10
	36 2-Chloronaphthalene	162	6.600	6.600	(0.923)	190032	10.0000	10
	103 Diphenyl Ether	170	6.689	6.689	(0.935)	131744	10.0000	10
	37 2-Nitroaniline	65	6.706	6.706	(0.938)	61862	10.0000	12
	125 1,3-Dimethylnaphthalene	156	6.818	6.818	(0.953)	155574	10.0000	9.8
	38 Dimethylphthalate	163	6.894	6.894	(0.964)	180513	10.0000	10
	114 Coumarin	146	6.906	6.906	(1.277)	55846	10.0000	9.8
	40 2,6-Dinitrotoluene	165	6.947	6.947	(0.971)	42605	10.0000	10
	39 Acenaphthylene	152	7.006	7.006	(0.979)	282044	10.0000	10
	41 3-Nitroaniline	138	7.112	7.112	(0.994)	44095	10.0000	10
*	82 Acenaphthene-d10	164	7.153	7.153	(1.000)	621659	40.0000	
	122 2,6-Di-tert-butyl-p-cresol	205	7.183	7.183	(1.004)	165451	10.0000	10
	42 Acenaphthene	154	7.183	7.183	(1.004)	173953	10.0000	10

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16836.d
Report Date: 01-Feb-2013 08:07

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	11 2,4-Dinitrophenol	184	7.212	7.212	(1.008)	31069	20.0000	15
	12 4-Nitrophenol	65	7.288	7.288	(1.019)	55367	20.0000	20
	44 2,4-Dinitrotoluene	165	7.341	7.341	(1.026)	53154	10.0000	10
	43 Dibenzofuran	168	7.353	7.353	(1.028)	241620	10.0000	10
	130 2,3,4,6-Tetrachlorophenol	232	7.477	7.477	(1.045)	37421	10.0000	9.7
	45 Diethylphthalate	149	7.588	7.588	(1.061)	171530	10.0000	10
	46 4-Chlorophenyl-phenylether	204	7.688	7.688	(1.075)	90688	10.0000	10
	47 Fluorene	166	7.688	7.688	(1.075)	193423	10.0000	10
	48 4-Nitroaniline	138	7.712	7.712	(1.078)	38876	10.0000	10
	13 4,6-Dinitro-2-methylphenol	198	7.741	7.741	(0.900)	49003	20.0000	18
	49 N-Nitrosodiphenylamine	169	7.806	7.806	(0.907)	120105	10.0000	9.8
	75 1,2-Diphenylhydrazine	77	7.847	7.847	(0.912)	224377	10.0000	10
$	18 2,4,6-Tribromophenol (SUR)	330	7.924	7.924	(1.108)	25801	10.0000	9.7
	50 4-Bromophenyl-phenylether	248	8.171	8.171	(0.949)	48650	10.0000	9.8
	51 Hexachlorobenzene	284	8.235	8.235	(0.957)	52702	10.0000	9.9
	112 Atrazine	200	8.335	8.335	(0.969)	42757	10.0000	10
	14 Pentachlorophenol	266	8.430	8.430	(0.979)	50162	20.0000	18
	132 Pentachloronitrobenzene	237	8.441	8.441	(0.981)	20495	10.0000	11
	115 n-Octadecane	57	8.518	8.518	(0.990)	101258	10.0000	9.8
*	83 Phenanthrene-d10	188	8.606	8.606	(1.000)	820221	40.0000	
	52 Phenanthrene	178	8.630	8.630	(1.003)	237605	10.0000	10
	53 Anthracene	178	8.677	8.677	(1.008)	239810	10.0000	10
	54 Carbazole	167	8.835	8.835	(1.027)	194879	10.0000	10
	55 Di-n-butylphthalate	149	9.188	9.188	(1.068)	237578	10.0000	10
	56 Fluoranthene	202	9.788	9.788	(1.137)	210391	10.0000	10
	58 Benzidine	184	9.924	9.924	(1.153)	147519	20.0000	33
	57 Pyrene	202	10.012	10.012	(0.885)	208112	10.0000	9.5
$	78 Terphenyl-d14	244	10.171	10.171	(0.899)	135882	10.0000	9.0
	59 Butylbenzylphthalate	149	10.682	10.682	(0.944)	80154	10.0000	9.6
	124 Carbamazepine	193	10.794	10.794	(0.954)	47075	10.0000	8.7
	60 3,3'-Dichlorobenzidine	252	11.282	11.282	(0.997)	97992	20.0000	22
	61 Benzo(a)anthracene	228	11.306	11.306	(0.999)	142979	10.0000	9.6
*	81 Chrysene-d12	240	11.318	11.318	(1.000)	493703	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.353	11.353	(1.003)	107359	10.0000	9.7
	62 Chrysene	228	11.347	11.347	(1.003)	140944	10.0000	10
	64 Di-n-octylphthalate	149	12.182	12.182	(0.925)	137972	10.0000	9.6
	65 Benzo(b)fluoranthene	252	12.665	12.665	(0.961)	99597	10.0000	10
	66 Benzo(k)fluoranthene	252	12.700	12.700	(0.964)	106264	10.0000	10
	67 Benzo(a)pyrene	252	13.094	13.094	(0.994)	75561	10.0000	9.8
*	84 Perylene-d12	264	13.176	13.176	(1.000)	311257	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	14.612	14.612	(1.109)	56483	10.0000	8.9(M)
	69 Dibenz(a,h)anthracene	278	14.647	14.647	(1.112)	62942	10.0000	9.6
	70 Benzo(g,h,i)perylene	276	15.000	15.000	(1.138)	61718	10.0000	9.6

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16836.d
Report Date: 01-Feb-2013 08:07

QC Flag Legend

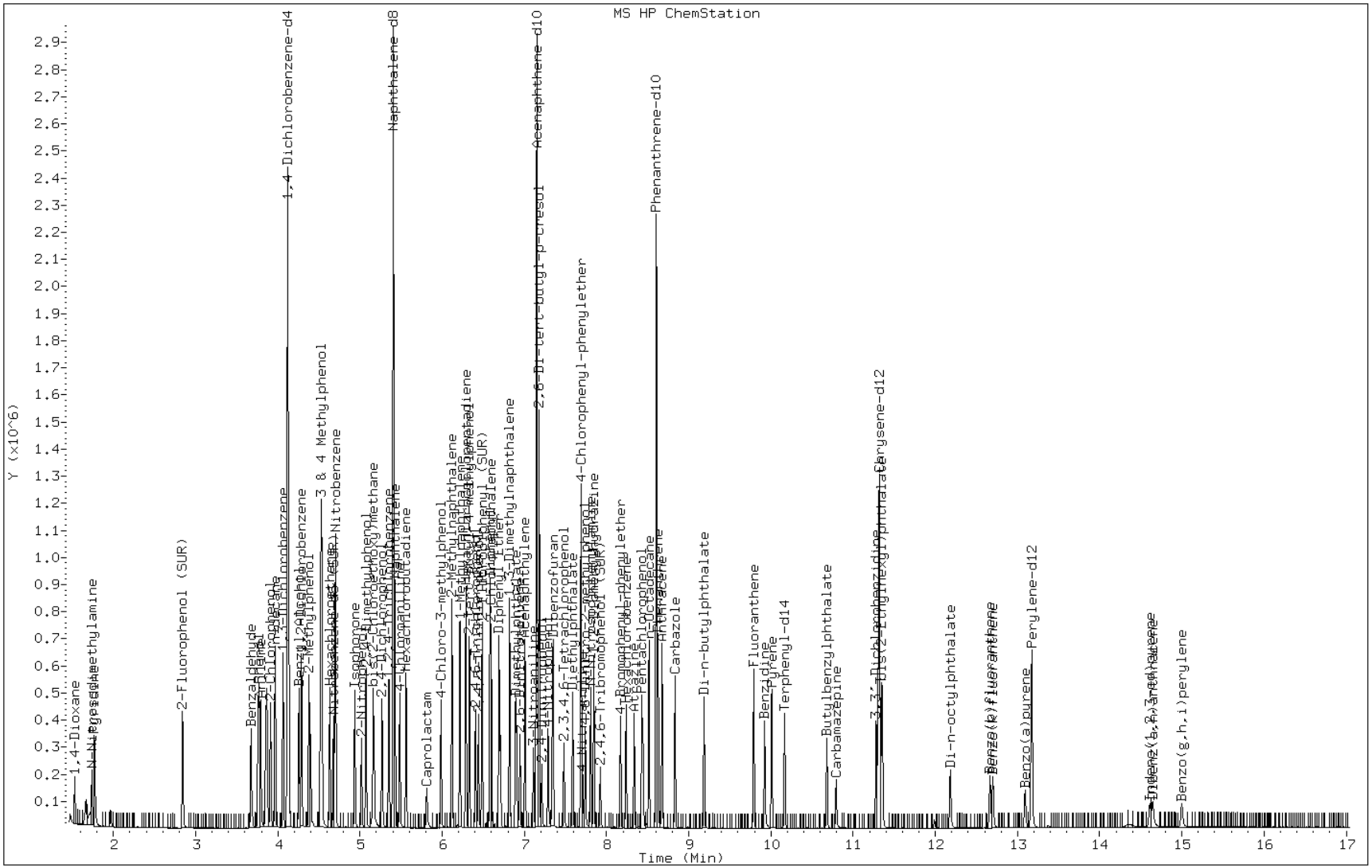
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z16836.d

Date: 01-FEB-2013 05:08

Client ID: Instrument: BNAMS11.i

Sample Info: IC-1888934 Operator: BNAMS 4



Manual Integration Report

Data File: z16836.d
Inj. Date and Time: 01-FEB-2013 05:08
Instrument ID: BNAMS11.i
Client ID:
Compound: 4 4-Methylphenol
CAS #: 106-44-5
Report Date: 02/01/2013

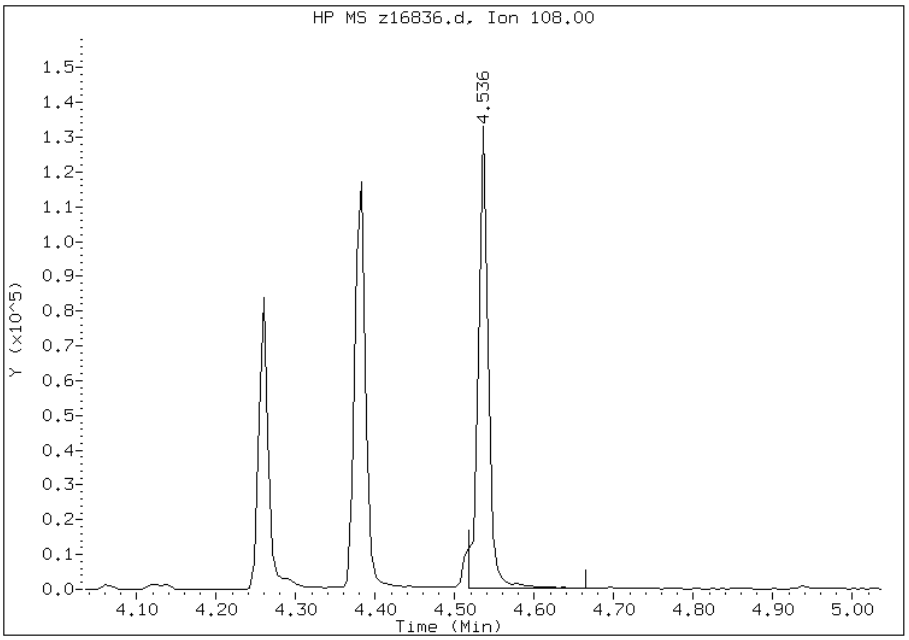
Processing Integration Results

RT: 4.54

Response: 115785

Amount: 11

Conc: 11



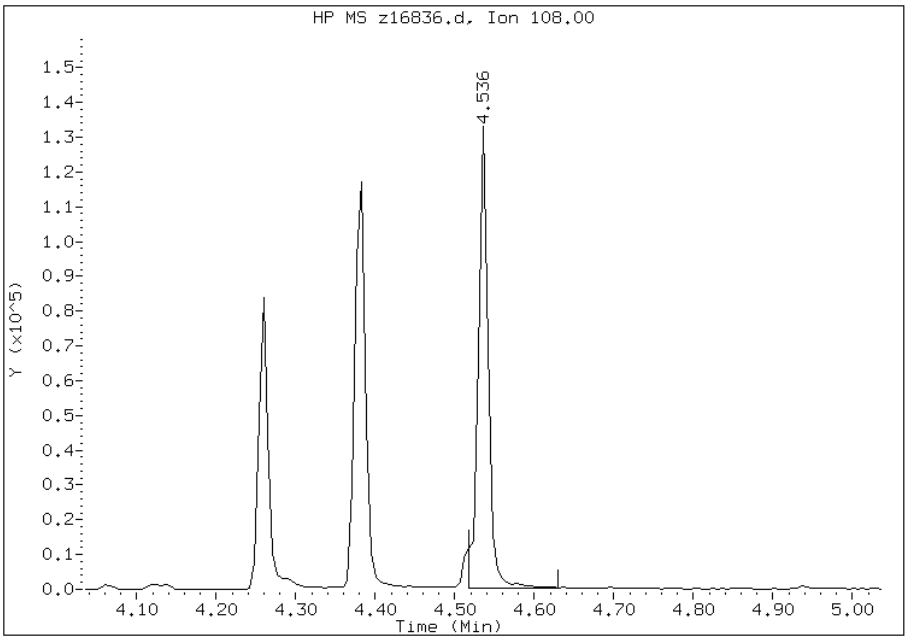
Manual Integration Results

RT: 4.54

Response: 114582

Amount: 11

Conc: 11



Manually Integrated By: wahied
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: z16836.d
Inj. Date and Time: 01-FEB-2013 05:08
Instrument ID: BNAMS11.i
Client ID:
Compound: 15 Benzoic Acid
CAS #: 65-85-0
Report Date: 02/01/2013

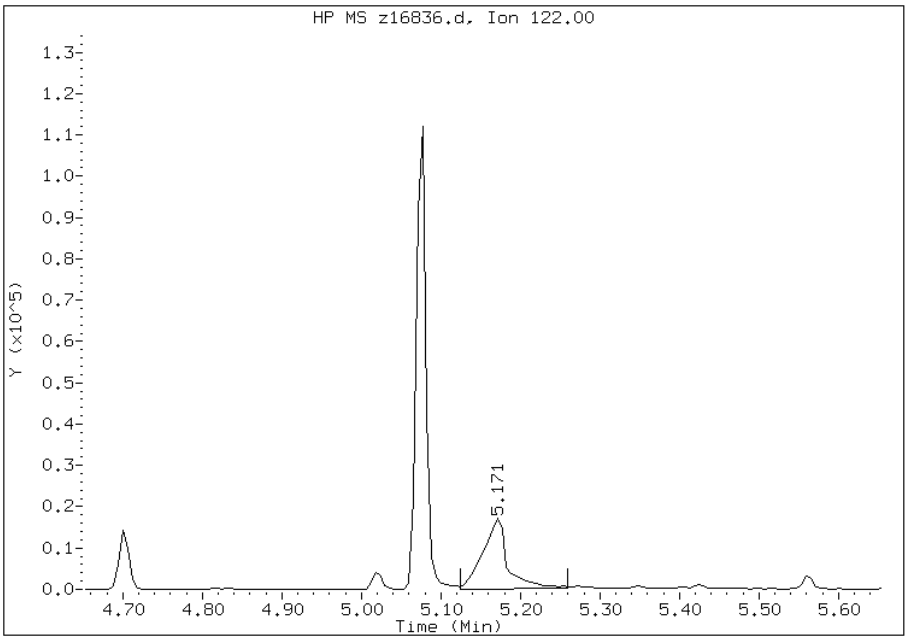
Processing Integration Results

RT: 5.17

Response: 37395

Amount: 9

Conc: 9



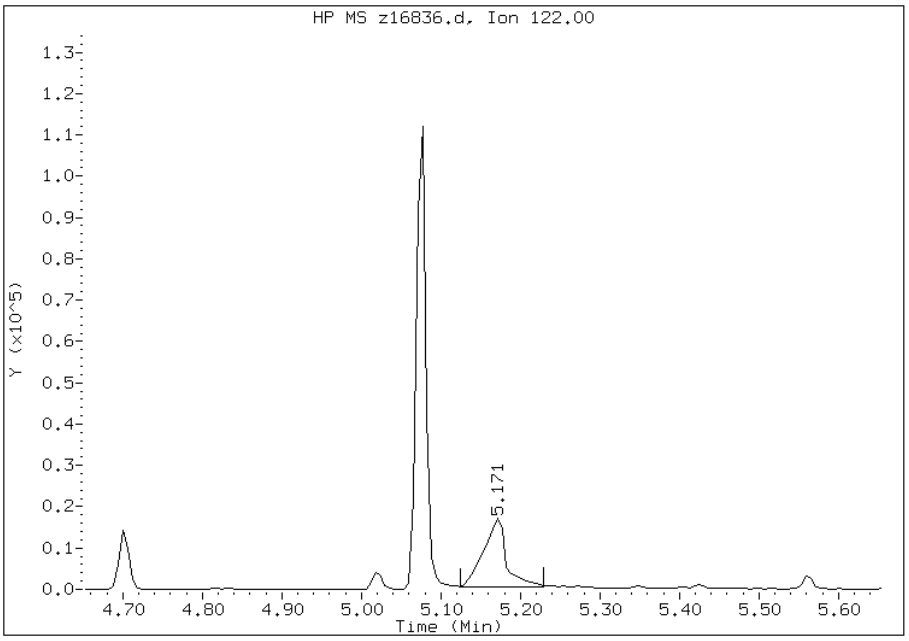
Manual Integration Results

RT: 5.17

Response: 33259

Amount: 6

Conc: 6



Manually Integrated By: wahied
Manual Integration Reason: Baseline Event

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16837.d
Report Date: 01-Feb-2013 08:07

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16837.d
Lab Smp Id: IC-1888985
Inj Date : 01-FEB-2013 05:31
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : IC-1888985
Misc Info : 5 ppm bna4724
Comment :
Method : /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/8270C_11.m
Meth Date : 01-Feb-2013 08:07 croccom Quant Type: ISTD
Cal Date : 01-FEB-2013 05:31 Cal File: z16837.d
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.530	1.530	(0.372)	28914	5.00000	5.0
	19 N-Nitrosodimethylamine	74	1.742	1.742	(0.423)	37796	5.00000	4.8(aH)
	71 Pyridine	79	1.777	1.777	(0.432)	71258	5.00000	5.0
$	16 2-Fluorophenol (SUR)	112	2.848	2.848	(0.691)	66413	5.00000	5.0
	110 Benzaldehyde	77	3.677	3.677	(0.893)	46967	5.00000	7.8
$	17 Phenol-d5 (SUR)	99	3.753	3.753	(0.911)	84780	5.00000	5.3
	1 Phenol	94	3.765	3.765	(0.914)	96140	5.00000	5.5
	73 Aniline	93	3.789	3.789	(0.920)	99506	5.00000	5.2
	20 bis(2-Chloroethyl)ether	93	3.853	3.853	(0.936)	7698	0.50000	0.64
	2 2-Chlorophenol	128	3.906	3.906	(0.949)	72989	5.00000	5.3
	113 n-decane	43	3.965	3.965	(0.963)	64450	5.00000	5.3
	21 1,3-Dichlorobenzene	146	4.065	4.065	(0.987)	83457	5.00000	5.2
*	79 1,4-Dichlorobenzene-d4	152	4.118	4.118	(1.000)	397048	40.0000	

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16837.d
Report Date: 01-Feb-2013 08:07

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
22	1,4-Dichlorobenzene	146	4.136	4.136	(1.004)	83511	5.00000	5.2
74	Benzyl Alcohol	108	4.259	4.259	(1.034)	39415	5.00000	4.9(a)
23	1,2-Dichlorobenzene	146	4.289	4.289	(1.041)	79127	5.00000	5.3
3	2-Methylphenol	108	4.377	4.377	(1.063)	61346	5.00000	5.4
24	bis (2-chloroisopropyl) ether	45	4.400	4.400	(1.069)	71797	5.00000	5.4
4	4-Methylphenol	108	4.536	4.536	(1.101)	68486	5.00000	5.8(M)
123	3 & 4 Methylphenol	108	4.536	4.536	(1.101)	68050	5.00000	5.8(M)
104	Acetophenone	105	4.524	4.524	(1.099)	92359	5.00000	5.4
25	N-Nitroso-di-n-propylamine	70	4.530	4.530	(1.100)	4296	0.50000	0.52
26	Hexachloroethane	117	4.630	4.630	(1.124)	3000	0.50000	0.50
$ 76	Nitrobenzene-d5 (SUR)	82	4.677	4.677	(0.865)	71717	5.00000	5.2
27	Nitrobenzene	77	4.695	4.695	(0.868)	10265	0.50000	0.57
107	N,N-Dimethylaniline	120	4.700	4.700	(1.141)	9079	0.50000	0.48(a)
28	Isophorone	82	4.936	4.936	(0.913)	108894	5.00000	5.2
5	2-Nitrophenol	139	5.018	5.018	(0.928)	32045	5.00000	4.8(a)
6	2,4-Dimethylphenol	122	5.077	5.077	(0.939)	58277	5.00000	5.5
29	bis(2-Chloroethoxy)methane	93	5.165	5.165	(0.955)	72681	5.00000	5.3
15	Benzoic Acid	122	5.153	5.153	(0.953)	14404	5.00000	2.5(aM)
7	2,4-Dichlorophenol	162	5.265	5.265	(0.974)	49714	5.00000	5.3
30	1,2,4-Trichlorobenzene	180	5.347	5.347	(0.989)	5989	0.50000	0.53
* 80	Naphthalene-d8	136	5.406	5.406	(1.000)	1426682	40.0000	
31	Naphthalene	128	5.424	5.424	(1.003)	195100	5.00000	5.3
32	4-Chloroaniline	127	5.483	5.483	(1.014)	69395	5.00000	5.5
33	Hexachlorobutadiene	225	5.559	5.559	(1.028)	7003	1.00000	1.1
111	Caprolactam	113	5.806	5.806	(1.074)	12491	5.00000	4.7(a)
8	4-Chloro-3-methylphenol	107	5.983	5.983	(1.107)	49486	5.00000	5.4
34	2-Methylnaphthalene	142	6.118	6.118	(1.132)	118902	5.00000	5.3
120	1-Methylnaphthalene	142	6.212	6.212	(1.149)	122212	5.00000	5.2(a)
35	Hexachlorocyclopentadiene	237	6.289	6.289	(0.879)	28622	5.00000	5.1
129	1,2,4,5-Tetrachlorobenzene	216	6.289	6.289	(0.879)	53639	5.00000	5.2
121	2-tert-Butyl-4-methylphenol	149	6.330	6.330	(1.171)	82378	5.00000	5.3
9	2,4,6-Trichlorophenol	196	6.406	6.406	(0.896)	29736	5.00000	4.8(a)
10	2,4,5-Trichlorophenol	196	6.441	6.441	(0.900)	31910	5.00000	5.1
$ 77	2-Fluorobiphenyl (SUR)	172	6.489	6.489	(0.907)	123762	5.00000	5.2
102	Diphenyl	154	6.583	6.583	(0.920)	140975	5.00000	5.3
36	2-Chloronaphthalene	162	6.600	6.600	(0.923)	103601	5.00000	5.2
103	Diphenyl Ether	170	6.689	6.689	(0.935)	72771	5.00000	5.1
37	2-Nitroaniline	65	6.706	6.706	(0.938)	59550	10.0000	10
125	1,3-Dimethylnaphthalene	156	6.818	6.818	(0.953)	87490	5.00000	5.1
38	Dimethylphthalate	163	6.888	6.888	(0.963)	96677	5.00000	5.0
114	Coumarin	146	6.906	6.906	(1.277)	31452	5.00000	5.1
40	2,6-Dinitrotoluene	165	6.947	6.947	(0.971)	4282	1.00000	0.94(a)
39	Acenaphthylene	152	7.006	7.006	(0.979)	162590	5.00000	5.4
41	3-Nitroaniline	138	7.112	7.112	(0.994)	46650	10.0000	10
* 82	Acenaphthene-d10	164	7.153	7.153	(1.000)	671159	40.0000	
122	2,6-Di-tert-butyl-p-cresol	205	7.183	7.183	(1.004)	92554	5.00000	5.3
42	Acenaphthene	154	7.183	7.183	(1.004)	95264	5.00000	5.3

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16837.d
Report Date: 01-Feb-2013 08:07

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	11 2,4-Dinitrophenol	184	7.212	7.212	(1.008)	18334	15.0000	8.5(a)
	12 4-Nitrophenol	65	7.288	7.288	(1.019)	39327	15.0000	13(a)
	44 2,4-Dinitrotoluene	165	7.341	7.341	(1.026)	5590	1.00000	1.0
	43 Dibenzofuran	168	7.353	7.353	(1.028)	132036	5.00000	5.2
	130 2,3,4,6-Tetrachlorophenol	232	7.477	7.477	(1.045)	19771	5.00000	4.7(a)
	45 Diethylphthalate	149	7.583	7.583	(1.060)	89817	5.00000	5.0
	46 4-Chlorophenyl-phenylether	204	7.688	7.688	(1.075)	50246	5.00000	5.4
	47 Fluorene	166	7.688	7.688	(1.075)	104873	5.00000	5.2
	48 4-Nitroaniline	138	7.706	7.706	(1.077)	40440	10.0000	10
	13 4,6-Dinitro-2-methylphenol	198	7.741	7.741	(0.900)	33098	15.0000	12(a)
	49 N-Nitrosodiphenylamine	169	7.806	7.806	(0.907)	66885	5.00000	5.2
	75 1,2-Diphenylhydrazine	77	7.841	7.841	(0.911)	101361	5.00000	4.5(a)
$	18 2,4,6-Tribromophenol (SUR)	330	7.924	7.924	(1.108)	13543	5.00000	4.7(a)
	50 4-Bromophenyl-phenylether	248	8.165	8.165	(0.949)	26148	5.00000	5.0
	51 Hexachlorobenzene	284	8.235	8.235	(0.957)	2961	0.50000	0.53
	112 Atrazine	200	8.335	8.335	(0.969)	23320	5.00000	5.4
	14 Pentachlorophenol	266	8.430	8.430	(0.979)	35858	15.0000	13(a)
	132 Pentachloronitrobenzene	237	8.441	8.441	(0.981)	10649	5.00000	5.3
	115 n-Octadecane	57	8.512	8.512	(0.989)	53542	5.00000	4.9(a)
*	83 Phenanthrene-d10	188	8.606	8.606	(1.000)	856221	40.0000	
	52 Phenanthrene	178	8.630	8.630	(1.003)	128738	5.00000	5.3
	53 Anthracene	178	8.677	8.677	(1.008)	127521	5.00000	5.2
	54 Carbazole	167	8.835	8.835	(1.027)	106087	5.00000	5.4
	55 Di-n-butylphthalate	149	9.182	9.182	(1.067)	120164	5.00000	4.9(a)
	56 Fluoranthene	202	9.788	9.788	(1.137)	111787	5.00000	5.3
	58 Benzidine	184	9.924	9.924	(1.153)	38313	5.00000	8.3
	57 Pyrene	202	10.006	10.006	(0.884)	109687	5.00000	4.5(a)
$	78 Terphenyl-d14	244	10.165	10.165	(0.898)	77282	5.00000	4.6(a)
	59 Butylbenzylphthalate	149	10.676	10.676	(0.943)	40848	5.00000	4.4(a)
	124 Carbamazepine	193	10.794	10.794	(0.954)	24207	5.00000	4.0(a)
	60 3,3'-Dichlorobenzidine	252	11.276	11.276	(0.996)	56375	10.0000	10
	61 Benzo(a)anthracene	228	11.300	11.300	(0.998)	9621	0.50000	0.58
*	81 Chrysene-d12	240	11.318	11.318	(1.000)	548478	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.353	11.353	(1.003)	57782	5.00000	4.7(a)
	62 Chrysene	228	11.341	11.341	(1.002)	78353	5.00000	5.1
	64 Di-n-octylphthalate	149	12.182	12.182	(0.925)	70465	5.00000	4.2(a)
	65 Benzo(b)fluoranthene	252	12.659	12.659	(0.961)	5346	0.50000	0.48(a)
	66 Benzo(k)fluoranthene	252	12.694	12.694	(0.963)	5816	0.50000	0.47(a)
	67 Benzo(a)pyrene	252	13.094	13.094	(0.994)	4183	0.50000	0.47(a)
*	84 Perylene-d12	264	13.176	13.176	(1.000)	358880	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	14.612	14.612	(1.109)	3061	0.50000	0.42(a)
	69 Dibenz(a,h)anthracene	278	14.647	14.647	(1.112)	3355	0.50000	0.44(a)
	70 Benzo(g,h,i)perylene	276	14.994	14.994	(1.138)	34501	5.00000	4.6(a)

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16837.d
Report Date: 01-Feb-2013 08:07

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z16837.d

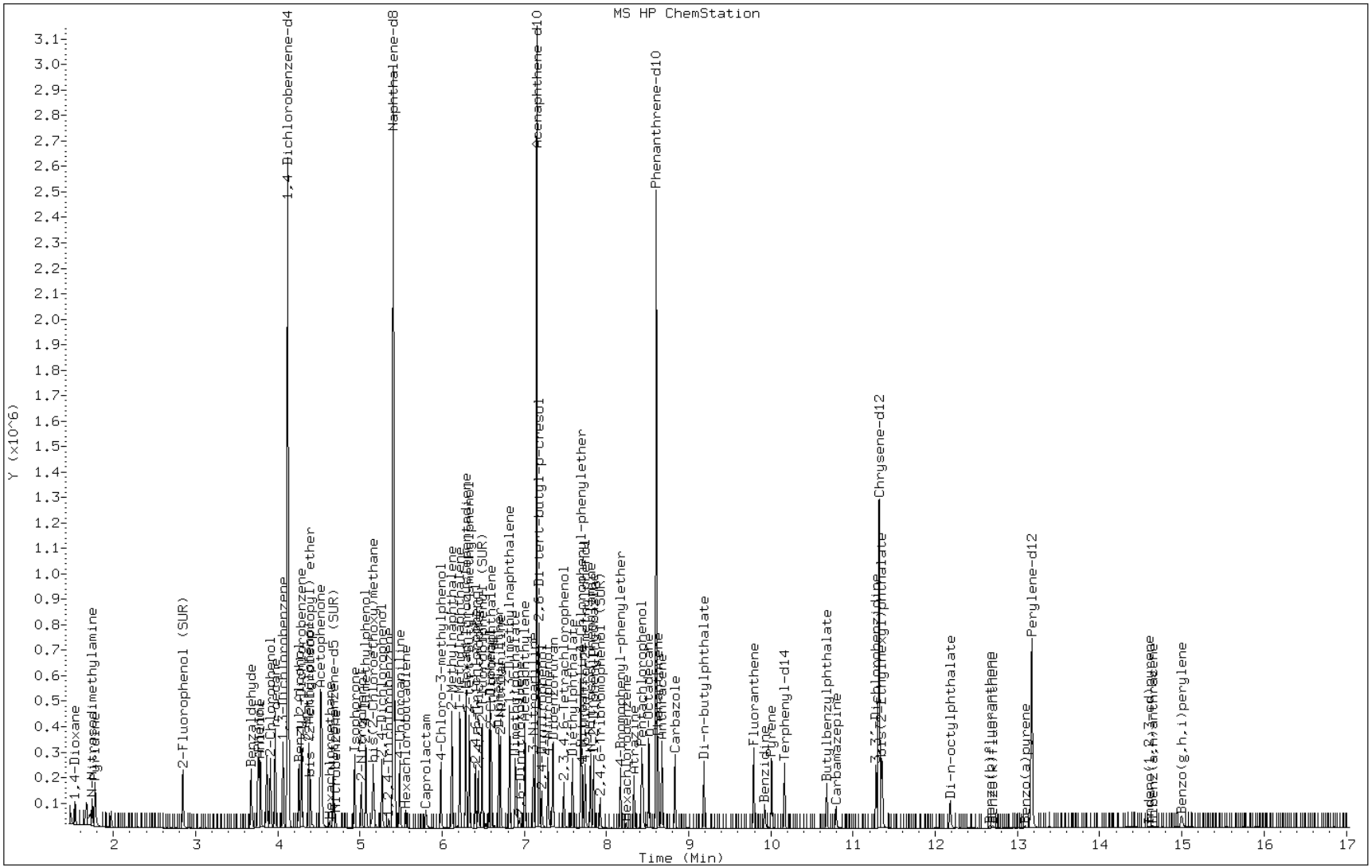
Date: 01-FEB-2013 05:31

Client ID:

Instrument: BNAMS11.i

Sample Info: IC-1888985

Operator: BNAMS 4



Manual Integration Report

Data File: z16837.d
Inj. Date and Time: 01-FEB-2013 05:31
Instrument ID: BNAMS11.i
Client ID:
Compound: 123 3 & 4 Methylphenol
CAS #: 15831-10-4
Report Date: 02/01/2013

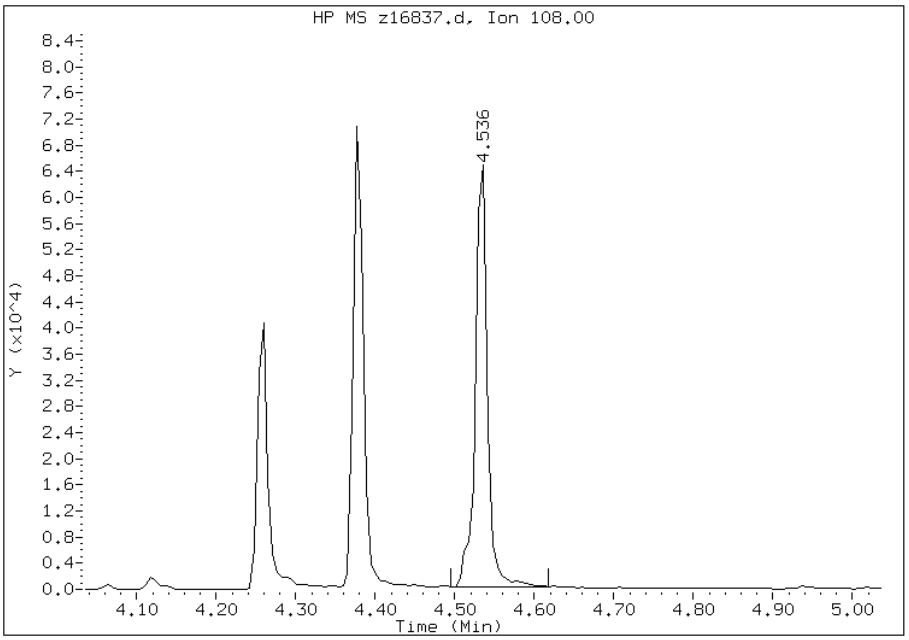
Processing Integration Results

RT: 4.54

Response: 68098

Amount: 6

Conc: 6



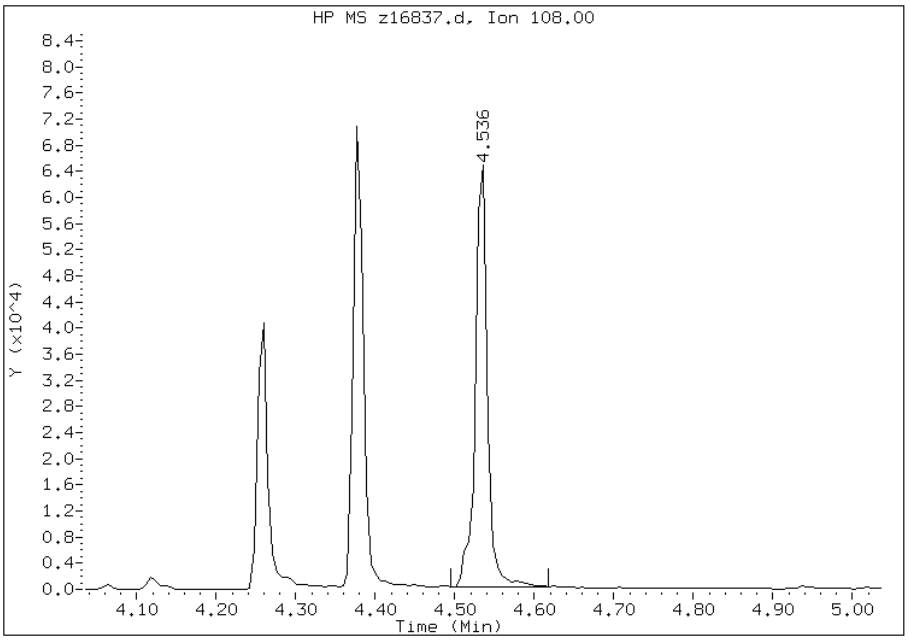
Manual Integration Results

RT: 4.54

Response: 68050

Amount: 6

Conc: 6



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: z16837.d
Inj. Date and Time: 01-FEB-2013 05:31
Instrument ID: BNAMS11.i
Client ID:
Compound: 4 4-Methylphenol
CAS #: 106-44-5
Report Date: 02/01/2013

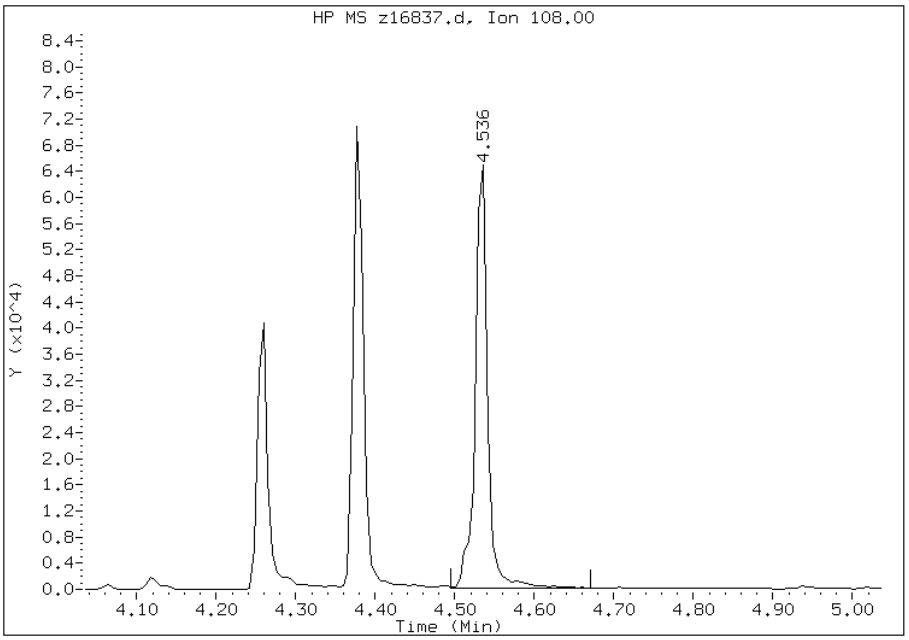
Processing Integration Results

RT: 4.54

Response: 69563

Amount: 6

Conc: 6



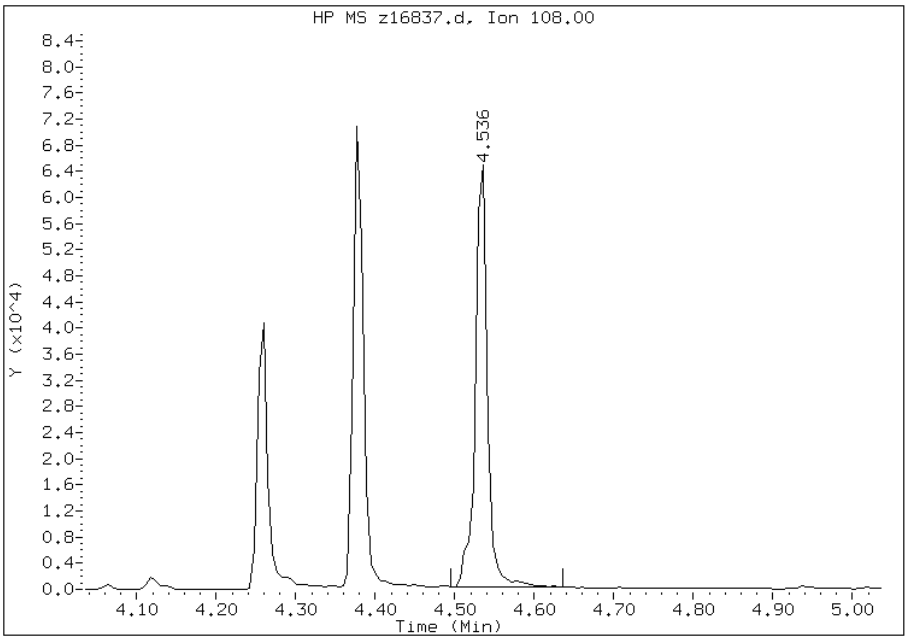
Manual Integration Results

RT: 4.54

Response: 68486

Amount: 6

Conc: 6



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: z16837.d
Inj. Date and Time: 01-FEB-2013 05:31
Instrument ID: BNAMS11.i
Client ID:
Compound: 15 Benzoic Acid
CAS #: 65-85-0
Report Date: 02/01/2013

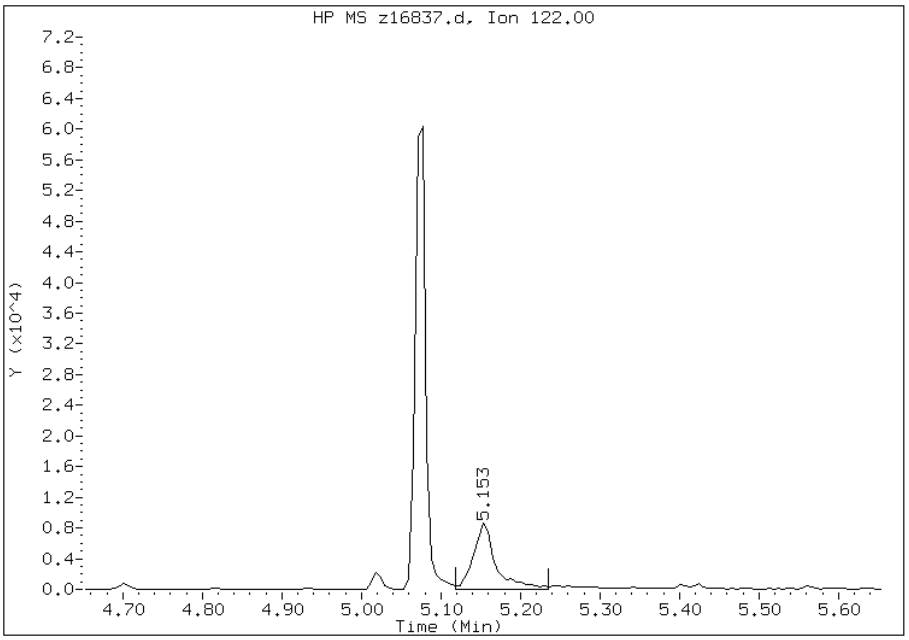
Processing Integration Results

RT: 5.15

Response: 16564

Amount: 4

Conc: 4



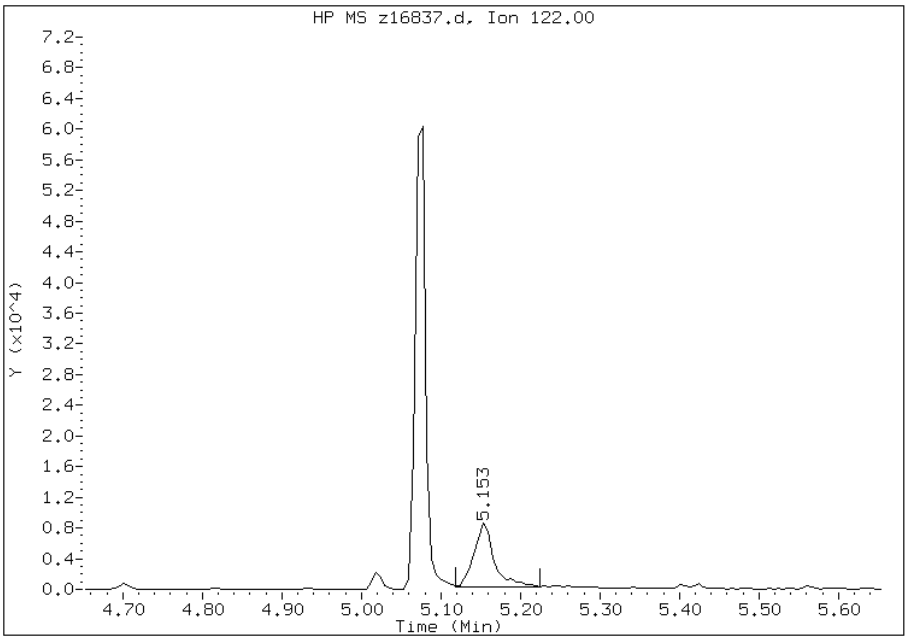
Manual Integration Results

RT: 5.15

Response: 14404

Amount: 3

Conc: 3



Manually Integrated By: wahied
Manual Integration Reason: Baseline Event

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab Sample ID: CCVIS 460-146614/2 Calibration Date: 02/08/2013 00:14

Instrument ID: BNAMS11 Calib Start Date: 02/01/2013 03:01

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 02/01/2013 05:31

Lab File ID: z18108.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5820	0.6172		53000	50000	6.0	20.0
N-Nitrosodimethylamine	Ave	0.7938	0.9018		56800	50000	13.6	20.0
Pyridine	Ave	1.432	1.573		54900	50000	9.8	20.0
Benzaldehyde	Ave	0.6095	0.4101		33600	50000	-32.7*	20.0
Aniline	Ave	1.943	2.028		52200	50000	4.4	20.0
Phenol	Ave	1.758	1.740		49500	50000	-1.0	20.0
Bis(2-chloroethyl)ether	QuaF	1.557	1.474		53300	50000	6.6	20.0
2-Chlorophenol	Ave	1.390	1.396		50200	50000	0.4	20.0
Decane	Ave	1.234	1.446		58600	50000	17.2	20.0
1,3-Dichlorobenzene	Ave	1.623	1.604		49400	50000	-1.2	20.0
1,4-Dichlorobenzene	Ave	1.616	1.584		49000	50000	-2.0	20.0
Benzyl alcohol	Ave	0.8052	0.8669		53800	50000	7.7	20.0
1,2-Dichlorobenzene	Ave	1.506	1.500		49800	50000	-0.4	20.0
2-Methylphenol	Ave	1.150	1.165		50700	50000	1.3	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.335	1.620		60700	50000	21.4*	20.0
Acetophenone	Ave	1.723	1.718		49800	50000	-0.3	20.0
N-Nitrosodi-n-propylamine	Ave	0.8389	0.8726	0.0500	52000	50000	4.0	20.0
3 & 4 Methylphenol	Ave	1.186	1.153		48600	50000	-2.8	20.0
4-Methylphenol	Ave	1.190	1.150		48300	50000	-3.3	20.0
Hexachloroethane	Ave	0.6008	0.6154		51200	50000	2.4	20.0
n,n'-Dimethylaniline	Ave	1.908	1.907		50000	50000	-0.0	20.0
Nitrobenzene	Ave	0.5074	0.5244		51700	50000	3.4	20.0
Isophorone	Ave	0.5822	0.6301		54100	50000	8.2	20.0
2-Nitrophenol	Ave	0.1888	0.1920		50800	50000	1.7	20.0
2,4-Dimethylphenol	Ave	0.2991	0.2960		49500	50000	-1.0	20.0
Bis(2-chloroethoxy)methane	Ave	0.3873	0.4169		53800	50000	7.6	20.0
Benzoic acid	LinF	0.1313	0.1831		57600	50000	15.3	20.0
2,4-Dichlorophenol	Ave	0.2628	0.2594		49300	50000	-1.3	20.0
1,2,4-Trichlorobenzene	Ave	0.3178	0.3129		49200	50000	-1.6	20.0
Naphthalene	Ave	1.036	1.023		49400	50000	-1.3	20.0
4-Chloroaniline	Ave	0.3553	0.3612		50800	50000	1.7	20.0
Hexachlorobutadiene	Ave	0.1767	0.1680		47500	50000	-4.9	20.0
Caprolactam	Ave	0.0750	0.0826		55000	50000	10.1	20.0
4-Chloro-3-methylphenol	Ave	0.2582	0.2559		49500	50000	-0.9	20.0
2-Methylnaphthalene	Ave	0.6302	0.6229		49400	50000	-1.1	20.0
1-Methylnaphthalene	Ave	0.6525	0.6316		48400	50000	-3.2	20.0
Hexachlorocyclopentadiene	Ave	0.3323	0.3123	0.0500	47000	50000	-6.0	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6160	0.5786		47000	50000	-6.1	20.0
2-tertbutyl-4-methylphenol	Ave	0.4385	0.4182		47700	50000	-4.6	20.0
2,4,6-Trichlorophenol	Ave	0.3660	0.3614		49400	50000	-1.2	20.0
2,4,5-Trichlorophenol	Ave	0.3744	0.3809		50900	50000	1.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab Sample ID: CCVIS 460-146614/2 Calibration Date: 02/08/2013 00:14

Instrument ID: BNAMS11 Calib Start Date: 02/01/2013 03:01

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 02/01/2013 05:31

Lab File ID: z18108.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diphenyl	Ave	1.591	1.533		48200	50000	-3.7	20.0
2-Chloronaphthalene	Ave	1.189	1.169		49200	50000	-1.7	20.0
Diphenyl ether	Ave	0.8438	0.8421		49900	50000	-0.2	20.0
2-Nitroaniline	Ave	0.3443	0.3334		48400	50000	-3.2	20.0
Dimethylnaphthalene, total	Ave	1.022	0.9890		48400	50000	-3.3	20.0
Dimethyl phthalate	Ave	1.139	1.137		49900	50000	-0.2	20.0
Coumarin	Ave	0.1718	0.1713		49900	50000	-0.3	20.0
2,6-Dinitrotoluene	Ave	0.2718	0.2730		50200	50000	0.4	20.0
Acenaphthylene	Ave	1.801	1.749		48600	50000	-2.9	20.0
3-Nitroaniline	Ave	0.2698	0.2650		49100	50000	-1.8	20.0
Acenaphthene	Ave	1.067	0.995		46600	50000	-6.7	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.039	0.9264		44600	50000	-10.8	20.0
2,4-Dinitrophenol	QuaF	0.1217	0.1238	0.0500	45800	50000	-8.4	20.0
4-Nitrophenol	Ave	0.1738	0.1620	0.0500	46600	50000	-6.8	20.0
2,4-Dinitrotoluene	Ave	0.3288	0.3027		46000	50000	-7.9	20.0
Dibenzofuran	Ave	1.511	1.453		48100	50000	-3.8	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2487	0.2503		50300	50000	0.6	20.0
Diethyl phthalate	Ave	1.073	1.054		49200	50000	-1.7	20.0
Fluorene	Ave	1.202	1.138		47300	50000	-5.4	20.0
4-Chlorophenyl phenyl ether	Ave	0.5596	0.5221		46600	50000	-6.7	20.0
4-Nitroaniline	Ave	0.2409	0.2110		43800	50000	-12.4	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1310	0.1367		52200	50000	4.4	20.0
N-Nitrosodiphenylamine	Ave	0.5955	0.6215		52200	50000	4.4	20.0
1,2-Diphenylhydrazine	Ave	1.043	1.170		56100	50000	12.2	20.0
4-Bromophenyl phenyl ether	Ave	0.2423	0.2435		50300	50000	0.5	20.0
Hexachlorobenzene	Ave	0.2597	0.2558		49300	50000	-1.5	20.0
Atrazine	Ave	0.2002	0.1903		47500	50000	-4.9	20.0
Pentachlorophenol	Ave	0.1327	0.1386		52200	50000	4.5	20.0
Pentachloronitrobenzene	Ave	0.0942	0.0879		46700	50000	-6.6	
n-Octadecane	Ave	0.5053	0.6097		60300	50000	20.6*	20.0
Phenanthrene	Ave	1.133	1.102		48600	50000	-2.7	20.0
Anthracene	Ave	1.145	1.119		48900	50000	-2.2	20.0
Carbazole	Ave	0.9255	0.8574		46300	50000	-7.4	20.0
Di-n-butyl phthalate	Ave	1.143	1.129		49400	50000	-1.2	20.0
Fluoranthene	Ave	0.9873	0.8954		45300	50000	-9.3	20.0
Benzidine	Ave	0.2166	0.0495		11400	50000	-77.2*	20.0
Pyrene	Ave	1.775	1.793		50500	50000	1.0	20.0
Butyl benzyl phthalate	Ave	0.6766	0.6992		51700	50000	3.3	20.0
2,3,7,8-TCDD (Screen)	Ave	0.2453	0.1958		399	500	-20.2*	20.0
Carbamazepine	Ave	0.4382	0.4548		51900	50000	3.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab Sample ID: CCVIS 460-146614/2 Calibration Date: 02/08/2013 00:14

Instrument ID: BNAMS11 Calib Start Date: 02/01/2013 03:01

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 02/01/2013 05:31

Lab File ID: z18108.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dichlorobenzidine	QuaF	0.3321	0.3304		54100	50000	8.2	20.0
Benzo[a]anthracene	Ave	1.203	1.177		48900	50000	-2.2	20.0
Chrysene	Ave	1.110	1.157		52100	50000	4.2	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8992	0.9213		51200	50000	2.5	20.0
Di-n-octyl phthalate	Ave	1.853	1.702		45900	50000	-8.1	20.0
Benzo[b]fluoranthene	Ave	1.253	1.210		48300	50000	-3.4	20.0
Benzo[k]fluoranthene	Ave	1.366	1.424		52100	50000	4.3	20.0
Benzo[a]pyrene	Ave	0.9924	1.003		50500	50000	1.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.8164	0.7866		48200	50000	-3.7	20.0
Dibenz(a,h)anthracene	Ave	0.8466	0.8985		53100	50000	6.1	20.0
Benzo[g,h,i]perylene	Ave	0.8298	0.9022		54400	50000	8.7	20.0
2-Fluorophenol	Ave	1.345	1.353		50300	50000	0.5	20.0
Phenol-d5	Ave	1.617	1.659		51300	50000	2.6	20.0
Nitrobenzene-d5	Ave	0.3846	0.4066		52900	50000	5.7	20.0
2-Fluorobiphenyl	Ave	1.408	1.381		49000	50000	-1.9	20.0
2,4,6-Tribromophenol	Ave	0.1711	0.1606		46900	50000	-6.1	20.0
Terphenyl-d14	Ave	1.225	1.221		49900	50000	-0.2	20.0

Data File: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18108.d
Report Date: 08-Feb-2013 00:44

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18108.d
Lab Smp Id: CCVIS-1888732
Inj Date : 08-FEB-2013 00:14
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : CCVIS-1888732
Misc Info : bna4724
Comment :
Method : /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/8270C_11.m
Meth Date : 08-Feb-2013 00:44 asfawa Quant Type: ISTD
Cal Date : 01-FEB-2013 05:31 Cal File: z16837.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.428	1.428	(0.355)	281936	50.0000	53
	19 N-Nitrosodimethylamine	74	1.646	1.646	(0.409)	411957	50.0000	57
	71 Pyridine	79	1.669	1.669	(0.415)	718493	50.0000	55
$	16 2-Fluorophenol (SUR)	112	2.751	2.751	(0.684)	617871	50.0000	50
	110 Benzaldehyde	77	3.575	3.575	(0.889)	187344	50.0000	34
$	17 Phenol-d5 (SUR)	99	3.681	3.681	(0.915)	757765	50.0000	51
	1 Phenol	94	3.692	3.692	(0.918)	795087	50.0000	50
	73 Aniline	93	3.692	3.692	(0.918)	926419	50.0000	52
	20 bis(2-Chloroethyl)ether	93	3.763	3.763	(0.936)	673210	50.0000	53
	2 2-Chlorophenol	128	3.816	3.816	(0.949)	637631	50.0000	50
	113 n-decane	43	3.869	3.869	(0.962)	660560	50.0000	59
	21 1,3-Dichlorobenzene	146	3.963	3.963	(0.985)	732641	50.0000	49
*	79 1,4-Dichlorobenzene-d4	152	4.022	4.022	(1.000)	365467	40.0000	

Data File: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18108.d
Report Date: 08-Feb-2013 00:44

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	22 1,4-Dichlorobenzene	146	4.040	4.040	(1.004)	723465	50.0000	49
	74 Benzyl Alcohol	108	4.169	4.169	(1.037)	396011	50.0000	54
	23 1,2-Dichlorobenzene	146	4.192	4.192	(1.042)	685381	50.0000	50
	3 2-Methylphenol	108	4.298	4.298	(1.069)	532197	50.0000	51
	24 bis (2-chloroisopropyl) ether	45	4.304	4.304	(1.070)	740171	50.0000	61
	4 4-Methylphenol	108	4.457	4.457	(1.108)	525290	50.0000	48
	123 3 & 4 Methylphenol	108	4.457	4.457	(1.108)	526835	50.0000	49
	104 Acetophenone	105	4.439	4.439	(1.104)	784775	50.0000	50
	25 N-Nitroso-di-n-propylamine	70	4.445	4.445	(1.105)	398640	50.0000	52
	26 Hexachloroethane	117	4.528	4.528	(1.126)	281116	50.0000	51
$	76 Nitrobenzene-d5 (SUR)	82	4.587	4.587	(0.865)	663268	50.0000	53
	27 Nitrobenzene	77	4.610	4.610	(0.869)	855435	50.0000	52
	107 N,N-Dimethylaniline	120	4.610	4.610	(1.146)	871346	50.0000	50
	28 Isophorone	82	4.851	4.851	(0.915)	1027811	50.0000	54
	5 2-Nitrophenol	139	4.928	4.928	(0.929)	313154	50.0000	51
	6 2,4-Dimethylphenol	122	4.987	4.987	(0.940)	482899	50.0000	49
	29 bis(2-Chloroethoxy)methane	93	5.075	5.075	(0.957)	680016	50.0000	54
	15 Benzoic Acid	122	5.145	5.145	(0.970)	298617	50.0000	58
	7 2,4-Dichlorophenol	162	5.175	5.175	(0.976)	423164	50.0000	49
	30 1,2,4-Trichlorobenzene	180	5.251	5.251	(0.990)	510378	50.0000	49
*	80 Naphthalene-d8	136	5.304	5.304	(1.000)	1305032	40.0000	
	31 Naphthalene	128	5.328	5.328	(1.004)	1668935	50.0000	49
	32 4-Chloroaniline	127	5.392	5.392	(1.017)	589258	50.0000	51
	33 Hexachlorobutadiene	225	5.463	5.463	(1.030)	274004	50.0000	48
	111 Caprolactam	113	5.775	5.775	(1.089)	134676	50.0000	55
	8 4-Chloro-3-methylphenol	107	5.904	5.904	(1.113)	417367	50.0000	50
	34 2-Methylnaphthalene	142	6.022	6.022	(1.135)	1016174	50.0000	49
	120 1-Methylnaphthalene	142	6.122	6.122	(1.154)	1030355	50.0000	48
	35 Hexachlorocyclopentadiene	237	6.192	6.192	(0.877)	230073	50.0000	47
	129 1,2,4,5-Tetrachlorobenzene	216	6.198	6.198	(0.878)	426315	50.0000	47
	121 2-tert-Butyl-4-methylphenol	149	6.245	6.245	(1.177)	682161	50.0000	48
	9 2,4,6-Trichlorophenol	196	6.316	6.316	(0.895)	266271	50.0000	49
	10 2,4,5-Trichlorophenol	196	6.357	6.357	(0.901)	280657	50.0000	51
$	77 2-Fluorobiphenyl (SUR)	172	6.392	6.392	(0.906)	1017524	50.0000	49
	102 Diphenyl	154	6.492	6.492	(0.920)	1129577	50.0000	48
	36 2-Chloronaphthalene	162	6.504	6.504	(0.922)	861346	50.0000	49
	103 Diphenyl Ether	170	6.598	6.598	(0.935)	620443	50.0000	50
	37 2-Nitroaniline	65	6.616	6.616	(0.937)	245607	50.0000	48
	125 1,3-Dimethylnaphthalene	156	6.728	6.728	(0.953)	728676	50.0000	48
	38 Dimethylphthalate	163	6.804	6.804	(0.964)	837975	50.0000	50
	114 Coumarin	146	6.816	6.816	(1.285)	279502	50.0000	50
	40 2,6-Dinitrotoluene	165	6.857	6.857	(0.972)	201104	50.0000	50
	39 Acenaphthylene	152	6.916	6.916	(0.980)	1288377	50.0000	48
	41 3-Nitroaniline	138	7.022	7.022	(0.995)	195214	50.0000	49
*	82 Acenaphthene-d10	164	7.057	7.057	(1.000)	589401	40.0000	
	122 2,6-Di-tert-butyl-p-cresol	205	7.092	7.092	(1.005)	682538	50.0000	44
	42 Acenaphthene	154	7.086	7.086	(1.004)	733281	50.0000	47

Data File: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18108.d
Report Date: 08-Feb-2013 00:44

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	11 2,4-Dinitrophenol	184	7.128	7.128	(1.010)	91208	50.0000	46
	12 4-Nitrophenol	65	7.210	7.210	(1.022)	119370	50.0000	47
	44 2,4-Dinitrotoluene	165	7.251	7.251	(1.028)	223027	50.0000	46
	43 Dibenzofuran	168	7.257	7.257	(1.028)	1070835	50.0000	48
	130 2,3,4,6-Tetrachlorophenol	232	7.386	7.386	(1.047)	184411	50.0000	50
	45 Diethylphthalate	149	7.498	7.498	(1.062)	776799	50.0000	49
	46 4-Chlorophenyl-phenylether	204	7.598	7.598	(1.077)	384619	50.0000	47
	47 Fluorene	166	7.592	7.592	(1.076)	838337	50.0000	47
	48 4-Nitroaniline	138	7.628	7.628	(1.081)	155478	50.0000	44
	13 4,6-Dinitro-2-methylphenol	198	7.657	7.657	(0.900)	120890	50.0000	52
	49 N-Nitrosodiphenylamine	169	7.716	7.716	(0.907)	549530	50.0000	52
	75 1,2-Diphenylhydrazine	77	7.751	7.751	(0.911)	1034769	50.0000	56
$	18 2,4,6-Tribromophenol (SUR)	330	7.833	7.833	(1.110)	118341	50.0000	47
	50 4-Bromophenyl-phenylether	248	8.075	8.075	(0.949)	215302	50.0000	50
	51 Hexachlorobenzene	284	8.139	8.139	(0.956)	226193	50.0000	49
	112 Atrazine	200	8.251	8.251	(0.970)	168276	50.0000	48
	14 Pentachlorophenol	266	8.333	8.333	(0.979)	122579	50.0000	52
	132 Pentachloronitrobenzene	237	8.351	8.351	(0.981)	77760	50.0000	47
	115 n-Octadecane	57	8.427	8.427	(0.990)	539076	50.0000	60
*	83 Phenanthrene-d10	188	8.510	8.510	(1.000)	707388	40.0000	
	52 Phenanthrene	178	8.533	8.533	(1.003)	974338	50.0000	49
	53 Anthracene	178	8.580	8.580	(1.008)	989883	50.0000	49
	54 Carbazole	167	8.745	8.745	(1.028)	758181	50.0000	46
	55 Di-n-butylphthalate	149	9.092	9.092	(1.068)	998646	50.0000	49
	56 Fluoranthene	202	9.692	9.692	(1.139)	791746	50.0000	45
	58 Benzidine	184	9.827	9.827	(1.155)	43721	50.0000	11
	57 Pyrene	202	9.910	9.910	(0.885)	766791	50.0000	50
$	78 Terphenyl-d14	244	10.069	10.069	(0.900)	522268	50.0000	50
	59 Butylbenzylphthalate	149	10.574	10.574	(0.945)	298934	50.0000	52
	109 2,3,7,8-TCDD (Screen)	320	10.674	10.674	(0.954)	837	0.50000	0.40(a)
	124 Carbamazepine	193	10.686	10.686	(0.955)	194468	50.0000	52
	60 3,3'-Dichlorobenzidine	252	11.163	11.163	(0.997)	141267	50.0000	54
	61 Benzo(a)anthracene	228	11.180	11.180	(0.999)	503448	50.0000	49
*	81 Chrysene-d12	240	11.192	11.192	(1.000)	342052	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.239	11.239	(1.004)	393902	50.0000	51
	62 Chrysene	228	11.221	11.221	(1.003)	494540	50.0000	52
	64 Di-n-octylphthalate	149	12.057	12.057	(0.926)	547446	50.0000	46
	65 Benzo(b)fluoranthene	252	12.527	12.527	(0.962)	389058	50.0000	48
	66 Benzo(k)fluoranthene	252	12.562	12.562	(0.964)	458148	50.0000	52
	67 Benzo(a)pyrene	252	12.951	12.951	(0.994)	322533	50.0000	50
*	84 Perylene-d12	264	13.027	13.027	(1.000)	257299	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	14.445	14.445	(1.109)	252984	50.0000	48(M)
	69 Dibenz(a,h)anthracene	278	14.480	14.480	(1.112)	288963	50.0000	53
	70 Benzo(g,h,i)perylene	276	14.815	14.815	(1.137)	290158	50.0000	54

Data File: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18108.d
Report Date: 08-Feb-2013 00:44

QC Flag Legend

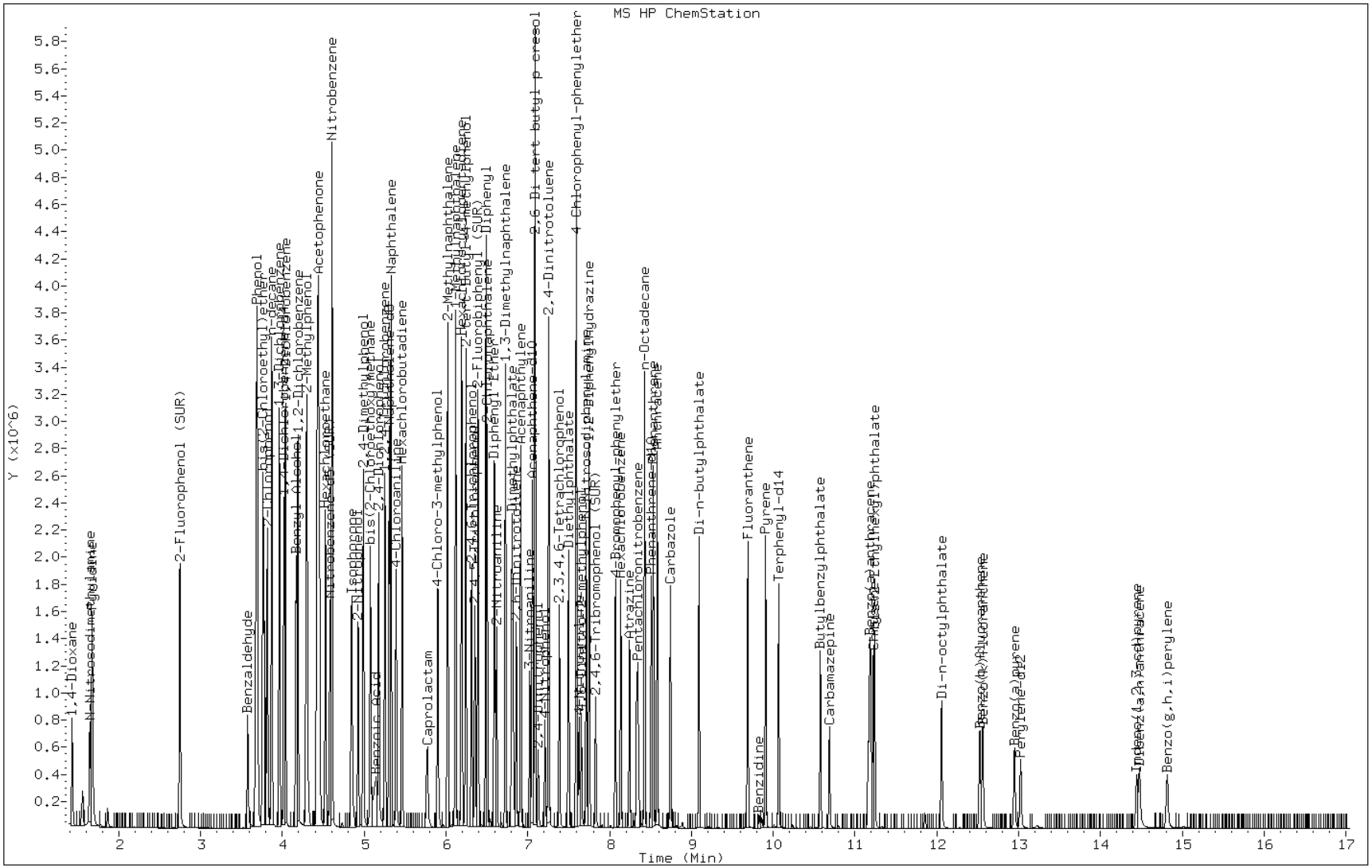
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: z18108.d

Date: 08-FEB-2013 00:14

Client ID: Instrument: BNAMS11.i

Sample Info: CCVIS-1888732 Operator: BNAMS 4



Manual Integration Report

Data File: z18108.d
Inj. Date and Time: 08-FEB-2013 00:14
Instrument ID: BNAMS11.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/08/2013

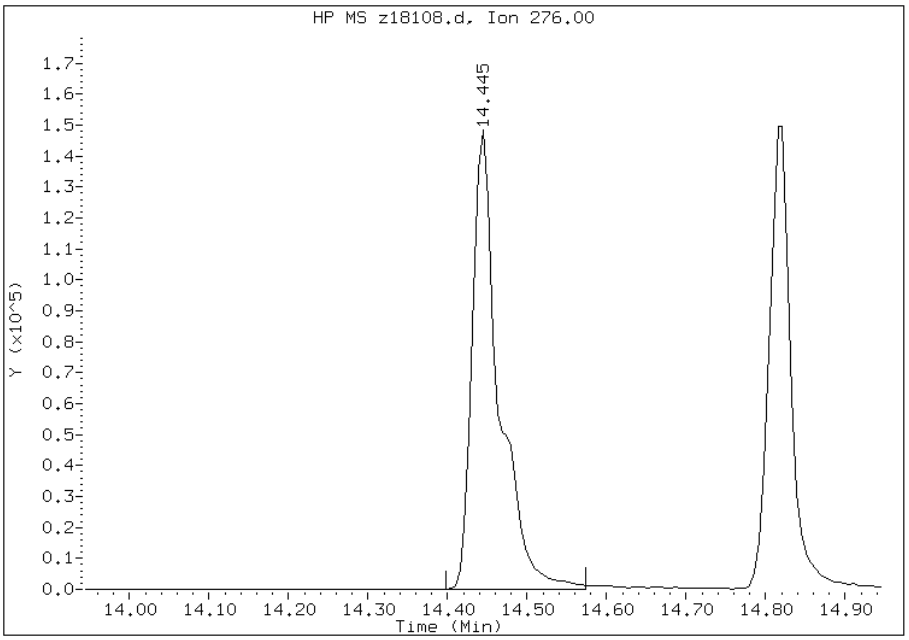
Processing Integration Results

RT: 14.44

Response: 346980

Amount: 66

Conc: 66



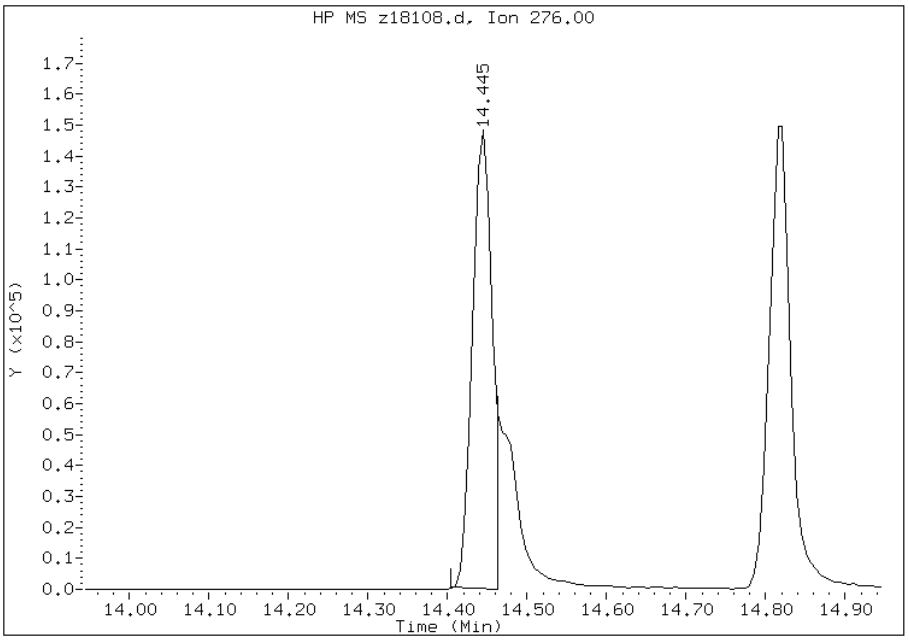
Manual Integration Results

RT: 14.44

Response: 252984

Amount: 48

Conc: 48



Manually Integrated By: wahied
Manual Integration Reason:

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab Sample ID: CCVIS 460-146779/2 Calibration Date: 02/08/2013 12:51

Instrument ID: BNAMS11 Calib Start Date: 02/01/2013 03:01

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 02/01/2013 05:31

Lab File ID: z18138.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5820	0.6362		54700	50000	9.3	20.0
N-Nitrosodimethylamine	Ave	0.7938	0.9004		56700	50000	13.4	20.0
Pyridine	Ave	1.432	1.570		54800	50000	9.6	20.0
Benzaldehyde	Ave	0.6095	0.5505		45200	50000	-9.7	20.0
Aniline	Ave	1.943	1.975		50800	50000	1.7	20.0
Phenol	Ave	1.758	1.706		48500	50000	-2.9	20.0
Bis(2-chloroethyl)ether	QuaF	1.557	1.451		52600	50000	5.2	20.0
2-Chlorophenol	Ave	1.390	1.370		49300	50000	-1.4	20.0
Decane	Ave	1.234	1.450		58800	50000	17.5	20.0
1,3-Dichlorobenzene	Ave	1.623	1.599		49300	50000	-1.4	20.0
1,4-Dichlorobenzene	Ave	1.616	1.605		49700	50000	-0.7	20.0
Benzyl alcohol	Ave	0.8052	0.8384		52100	50000	4.1	20.0
1,2-Dichlorobenzene	Ave	1.506	1.482		49200	50000	-1.6	20.0
2-Methylphenol	Ave	1.150	1.108		48200	50000	-3.7	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.335	1.567		58700	50000	17.4	20.0
Acetophenone	Ave	1.723	1.683		48800	50000	-2.4	20.0
N-Nitrosodi-n-propylamine	Ave	0.8389	0.8921	0.0500	53200	50000	6.3	20.0
3 & 4 Methylphenol	Ave	1.186	1.105		46600	50000	-6.8	20.0
4-Methylphenol	Ave	1.190	1.133		47600	50000	-4.7	20.0
Hexachloroethane	Ave	0.6008	0.6176		51400	50000	2.8	20.0
n,n'-Dimethylaniline	Ave	1.908	1.845		48400	50000	-3.3	20.0
Nitrobenzene	Ave	0.5074	0.5195		51200	50000	2.4	20.0
Isophorone	Ave	0.5822	0.6163		52900	50000	5.8	20.0
2-Nitrophenol	Ave	0.1888	0.1946		51500	50000	3.1	20.0
2,4-Dimethylphenol	Ave	0.2991	0.2897		48400	50000	-3.1	20.0
Bis(2-chloroethoxy)methane	Ave	0.3873	0.4116		53100	50000	6.3	20.0
Benzoic acid	LinF	0.1313	0.1842		58000	50000	16.0	20.0
2,4-Dichlorophenol	Ave	0.2628	0.2521		48000	50000	-4.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3178	0.3126		49200	50000	-1.6	20.0
Naphthalene	Ave	1.036	1.006		48500	50000	-2.9	20.0
4-Chloroaniline	Ave	0.3553	0.3658		51500	50000	3.0	20.0
Hexachlorobutadiene	Ave	0.1767	0.1640		46400	50000	-7.2	20.0
Caprolactam	Ave	0.0750	0.0772		51500	50000	2.9	20.0
4-Chloro-3-methylphenol	Ave	0.2582	0.2437		47200	50000	-5.6	20.0
2-Methylnaphthalene	Ave	0.6302	0.6042		47900	50000	-4.1	20.0
1-Methylnaphthalene	Ave	0.6525	0.6191		47400	50000	-5.1	20.0
Hexachlorocyclopentadiene	Ave	0.3323	0.3071	0.0500	46200	50000	-7.6	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6160	0.5808		47100	50000	-5.7	20.0
2-tertbutyl-4-methylphenol	Ave	0.4385	0.3999		45600	50000	-8.8	20.0
2,4,6-Trichlorophenol	Ave	0.3660	0.3582		48900	50000	-2.1	20.0
2,4,5-Trichlorophenol	Ave	0.3744	0.3717		49600	50000	-0.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab Sample ID: CCVIS 460-146779/2 Calibration Date: 02/08/2013 12:51

Instrument ID: BNAMS11 Calib Start Date: 02/01/2013 03:01

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 02/01/2013 05:31

Lab File ID: z18138.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diphenyl	Ave	1.591	1.538		48300	50000	-3.4	20.0
2-Chloronaphthalene	Ave	1.189	1.173		49300	50000	-1.3	20.0
Diphenyl ether	Ave	0.8438	0.8310		49200	50000	-1.5	20.0
2-Nitroaniline	Ave	0.3443	0.3270		47500	50000	-5.0	20.0
Dimethylnaphthalene, total	Ave	1.022	0.9813		48000	50000	-4.0	20.0
Dimethyl phthalate	Ave	1.139	1.092		47900	50000	-4.1	20.0
Coumarin	Ave	0.1718	0.1643		47800	50000	-4.4	20.0
2,6-Dinitrotoluene	Ave	0.2718	0.2658		48900	50000	-2.2	20.0
Acenaphthylene	Ave	1.801	1.751		48600	50000	-2.8	20.0
3-Nitroaniline	Ave	0.2698	0.2540		47100	50000	-5.9	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.039	0.9187		44200	50000	-11.6	20.0
Acenaphthene	Ave	1.067	1.001		46900	50000	-6.2	20.0
2,4-Dinitrophenol	QuaF	0.1217	0.1245	0.0500	46100	50000	-7.9	20.0
4-Nitrophenol	Ave	0.1738	0.1641	0.0500	47200	50000	-5.6	20.0
2,4-Dinitrotoluene	Ave	0.3288	0.2966		45100	50000	-9.8	20.0
Dibenzofuran	Ave	1.511	1.447		47900	50000	-4.2	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2487	0.2435		49000	50000	-2.1	20.0
Diethyl phthalate	Ave	1.073	1.023		47700	50000	-4.6	20.0
4-Chlorophenyl phenyl ether	Ave	0.5596	0.5109		45600	50000	-8.7	20.0
Fluorene	Ave	1.202	1.113		46300	50000	-7.4	20.0
4-Nitroaniline	Ave	0.2409	0.2143		44500	50000	-11.1	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1310	0.1395		53300	50000	6.5	20.0
N-Nitrosodiphenylamine	Ave	0.5955	0.6017		50500	50000	1.0	20.0
1,2-Diphenylhydrazine	Ave	1.043	1.156		55400	50000	10.9	20.0
4-Bromophenyl phenyl ether	Ave	0.2423	0.2431		50200	50000	0.3	20.0
Hexachlorobenzene	Ave	0.2597	0.2544		49000	50000	-2.0	20.0
Atrazine	Ave	0.2002	0.1856		46300	50000	-7.3	20.0
Pentachlorophenol	Ave	0.1327	0.1394		52500	50000	5.0	20.0
Pentachloronitrobenzene	Ave	0.0942	0.0866		46000	50000	-8.0	
n-Octadecane	Ave	0.5053	0.5982		59200	50000	18.4	20.0
Phenanthrene	Ave	1.133	1.105		48800	50000	-2.4	20.0
Anthracene	Ave	1.145	1.122		49000	50000	-2.0	20.0
Carbazole	Ave	0.9255	0.8745		47200	50000	-5.5	20.0
Di-n-butyl phthalate	Ave	1.143	1.114		48800	50000	-2.5	20.0
Fluoranthene	Ave	0.9873	0.9370		47500	50000	-5.1	20.0
Benzidine	Ave	0.2166	0.0726		16800	50000	-66.5*	20.0
Pyrene	Ave	1.775	1.663		46800	50000	-6.3	20.0
Butyl benzyl phthalate	Ave	0.6766	0.6689		49400	50000	-1.1	20.0
2,3,7,8-TCDD (Screen)	Ave	0.2453	0.2155		439	500	-12.2	20.0
Carbamazepine	Ave	0.4382	0.4782		54600	50000	9.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab Sample ID: CCVIS 460-146779/2 Calibration Date: 02/08/2013 12:51

Instrument ID: BNAMS11 Calib Start Date: 02/01/2013 03:01

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 02/01/2013 05:31

Lab File ID: z18138.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dichlorobenzidine	QuaF	0.3321	0.3242		52800	50000	5.6	20.0
Benzo[a]anthracene	Ave	1.203	1.159		48200	50000	-3.7	20.0
Chrysene	Ave	1.110	1.160		52200	50000	4.5	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8992	0.8758		48700	50000	-2.6	20.0
Di-n-octyl phthalate	Ave	1.853	1.594		43000	50000	-14.0	20.0
Benzo[b]fluoranthene	Ave	1.253	1.171		46700	50000	-6.5	20.0
Benzo[k]fluoranthene	Ave	1.366	1.400		51200	50000	2.5	20.0
Benzo[a]pyrene	Ave	0.9924	1.013		51000	50000	2.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.8164	0.7951		48700	50000	-2.6	20.0
Dibenz(a,h)anthracene	Ave	0.8466	0.9156		54100	50000	8.1	20.0
Benzo[g,h,i]perylene	Ave	0.8298	0.9322		56200	50000	12.3	20.0
2-Fluorophenol	Ave	1.345	1.360		50600	50000	1.1	20.0
Phenol-d5	Ave	1.617	1.602		49500	50000	-0.9	20.0
Nitrobenzene-d5	Ave	0.3846	0.4053		52700	50000	5.4	20.0
2-Fluorobiphenyl	Ave	1.408	1.374		48800	50000	-2.4	20.0
2,4,6-Tribromophenol	Ave	0.1711	0.1560		45600	50000	-8.8	20.0
Terphenyl-d14	Ave	1.225	1.138		46400	50000	-7.1	20.0

Data File: /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18138.d
Report Date: 08-Feb-2013 13:24

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18138.d
Lab Smp Id: CCVIS-1888732
Inj Date : 08-FEB-2013 12:51
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : CCVIS-1888732
Misc Info : bna4724
Comment :
Method : /chem/BNAMS11.i/8270/02-01-13/08feb13.b/8270C_11.m
Meth Date : 08-Feb-2013 13:24 ranav Quant Type: ISTD
Cal Date : 01-FEB-2013 05:31 Cal File: z16837.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.416	1.416	(0.354)	316342	50.0000	55
	19 N-Nitrosodimethylamine	74	1.640	1.640	(0.410)	447726	50.0000	57
	71 Pyridine	79	1.663	1.663	(0.416)	780786	50.0000	55
$	16 2-Fluorophenol (SUR)	112	2.734	2.734	(0.684)	676278	50.0000	50
	110 Benzaldehyde	77	3.557	3.557	(0.890)	273749	50.0000	45
$	17 Phenol-d5 (SUR)	99	3.663	3.663	(0.916)	796458	50.0000	50
	1 Phenol	94	3.681	3.681	(0.921)	848466	50.0000	48
	73 Aniline	93	3.675	3.675	(0.919)	982329	50.0000	51
	20 bis(2-Chloroethyl)ether	93	3.746	3.746	(0.937)	721691	50.0000	52
	2 2-Chlorophenol	128	3.799	3.799	(0.950)	681399	50.0000	49
	113 n-decane	43	3.852	3.852	(0.963)	720883	50.0000	59
	21 1,3-Dichlorobenzene	146	3.946	3.946	(0.987)	795262	50.0000	49
*	79 1,4-Dichlorobenzene-d4	152	3.999	3.999	(1.000)	397812	40.0000	

Data File: /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18138.d
Report Date: 08-Feb-2013 13:24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	22 1,4-Dichlorobenzene	146	4.016	4.016	(1.004)	798100	50.0000	50
	74 Benzyl Alcohol	108	4.151	4.151	(1.038)	416928	50.0000	52
	23 1,2-Dichlorobenzene	146	4.169	4.169	(1.043)	736996	50.0000	49
	3 2-Methylphenol	108	4.281	4.281	(1.071)	550761	50.0000	48
	24 bis (2-chloroisopropyl) ether	45	4.287	4.287	(1.072)	779195	50.0000	59
	4 4-Methylphenol	108	4.440	4.440	(1.110)	563500	50.0000	48
	123 3 & 4 Methylphenol	108	4.440	4.440	(1.110)	549678	50.0000	46
	104 Acetophenone	105	4.422	4.422	(1.106)	836834	50.0000	49
	25 N-Nitroso-di-n-propylamine	70	4.428	4.428	(1.107)	443583	50.0000	53(M)
	26 Hexachloroethane	117	4.510	4.510	(1.128)	307113	50.0000	51
$	76 Nitrobenzene-d5 (SUR)	82	4.569	4.569	(0.864)	708044	50.0000	53
	27 Nitrobenzene	77	4.593	4.593	(0.869)	907544	50.0000	51
	107 N,N-Dimethylaniline	120	4.593	4.593	(1.149)	917617	50.0000	48
	28 Isophorone	82	4.834	4.834	(0.914)	1076680	50.0000	53
	5 2-Nitrophenol	139	4.904	4.904	(0.928)	339997	50.0000	52
	6 2,4-Dimethylphenol	122	4.969	4.969	(0.940)	506175	50.0000	48
	29 bis(2-Chloroethoxy)methane	93	5.057	5.057	(0.957)	719166	50.0000	53
	15 Benzoic Acid	122	5.134	5.134	(0.971)	321799	50.0000	58
	7 2,4-Dichlorophenol	162	5.157	5.157	(0.976)	440428	50.0000	48
	30 1,2,4-Trichlorobenzene	180	5.234	5.234	(0.990)	546147	50.0000	49
*	80 Naphthalene-d8	136	5.287	5.287	(1.000)	1397709	40.0000	
	31 Naphthalene	128	5.310	5.310	(1.004)	1757393	50.0000	48
	32 4-Chloroaniline	127	5.375	5.375	(1.017)	639150	50.0000	51
	33 Hexachlorobutadiene	225	5.446	5.446	(1.030)	286514	50.0000	46
	111 Caprolactam	113	5.757	5.757	(1.089)	134876	50.0000	51
	8 4-Chloro-3-methylphenol	107	5.887	5.887	(1.113)	425808	50.0000	47
	34 2-Methylnaphthalene	142	6.004	6.004	(1.136)	1055692	50.0000	48
	120 1-Methylnaphthalene	142	6.098	6.098	(1.154)	1081634	50.0000	47
	35 Hexachlorocyclopentadiene	237	6.169	6.169	(0.873)	233401	50.0000	46
	129 1,2,4,5-Tetrachlorobenzene	216	6.175	6.175	(0.874)	441340	50.0000	47
	121 2-tert-Butyl-4-methylphenol	149	6.228	6.228	(1.178)	698615	50.0000	46
	9 2,4,6-Trichlorophenol	196	6.298	6.298	(0.891)	272185	50.0000	49(H)
	10 2,4,5-Trichlorophenol	196	6.340	6.340	(0.897)	282484	50.0000	50
$	77 2-Fluorobiphenyl (SUR)	172	6.375	6.375	(0.902)	1043993	50.0000	49(H)
	102 Diphenyl	154	6.475	6.475	(0.916)	1168589	50.0000	48
	36 2-Chloronaphthalene	162	6.487	6.487	(0.918)	891420	50.0000	49
	103 Diphenyl Ether	170	6.575	6.575	(0.930)	631456	50.0000	49
	37 2-Nitroaniline	65	6.598	6.598	(0.933)	248503	50.0000	47
	125 1,3-Dimethylnaphthalene	156	6.704	6.704	(0.948)	745719	50.0000	48
	38 Dimethylphthalate	163	6.787	6.787	(0.960)	830196	50.0000	48(H)
	114 Coumarin	146	6.798	6.798	(1.286)	286987	50.0000	48
	40 2,6-Dinitrotoluene	165	6.840	6.840	(0.968)	201955	50.0000	49
	39 Acenaphthylene	152	6.892	6.892	(0.975)	1330450	50.0000	49
	41 3-Nitroaniline	138	7.004	7.004	(0.991)	193024	50.0000	47
*	82 Acenaphthene-d10	164	7.034	7.034	(1.000)	607929	40.0000	(H)
	122 2,6-Di-tert-butyl-p-cresol	205	7.069	7.069	(1.000)	698114	50.0000	44(H)
	42 Acenaphthene	154	7.069	7.069	(1.000)	760436	50.0000	47(H)

Data File: /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18138.d
Report Date: 08-Feb-2013 13:24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	11 2,4-Dinitrophenol	184	7.104	7.104	(1.005)	94617	50.0000	46
	12 4-Nitrophenol	65	7.192	7.192	(1.017)	124724	50.0000	47(H)
	44 2,4-Dinitrotoluene	165	7.234	7.234	(1.023)	225360	50.0000	45
	43 Dibenzofuran	168	7.240	7.240	(1.024)	1099662	50.0000	48
	130 2,3,4,6-Tetrachlorophenol	232	7.369	7.369	(1.042)	185053	50.0000	49
	45 Diethylphthalate	149	7.481	7.481	(1.058)	777556	50.0000	48
	46 4-Chlorophenyl-phenylether	204	7.575	7.575	(1.072)	388210	50.0000	46
	47 Fluorene	166	7.575	7.575	(1.072)	846008	50.0000	46
	48 4-Nitroaniline	138	7.610	7.610	(1.077)	162841	50.0000	44
	13 4,6-Dinitro-2-methylphenol	198	7.634	7.634	(0.900)	126572	50.0000	53
	49 N-Nitrosodiphenylamine	169	7.698	7.698	(0.907)	545757	50.0000	50
	75 1,2-Diphenylhydrazine	77	7.734	7.734	(0.911)	1048790	50.0000	55
$	18 2,4,6-Tribromophenol (SUR)	330	7.810	7.810	(1.105)	118550	50.0000	46
	50 4-Bromophenyl-phenylether	248	8.051	8.051	(0.949)	220507	50.0000	50
	51 Hexachlorobenzene	284	8.116	8.116	(0.956)	230789	50.0000	49
	112 Atrazine	200	8.228	8.228	(0.970)	168323	50.0000	46
	14 Pentachlorophenol	266	8.316	8.316	(0.980)	126404	50.0000	52
	132 Pentachloronitrobenzene	237	8.328	8.328	(0.981)	78591	50.0000	46
	115 n-Octadecane	57	8.404	8.404	(0.990)	542578	50.0000	59
*	83 Phenanthrene-d10	188	8.486	8.486	(1.000)	725653	40.0000	
	52 Phenanthrene	178	8.510	8.510	(1.003)	1002598	50.0000	49
	53 Anthracene	178	8.557	8.557	(1.008)	1017545	50.0000	49
	54 Carbazole	167	8.722	8.722	(1.028)	793199	50.0000	47
	55 Di-n-butylphthalate	149	9.075	9.075	(1.069)	1010853	50.0000	49
	56 Fluoranthene	202	9.669	9.669	(1.139)	849896	50.0000	47
	58 Benzidine	184	9.804	9.804	(1.155)	65813	50.0000	17
	57 Pyrene	202	9.886	9.886	(0.885)	826284	50.0000	47
$	78 Terphenyl-d14	244	10.045	10.045	(0.899)	565344	50.0000	46
	59 Butylbenzylphthalate	149	10.551	10.551	(0.945)	332419	50.0000	49
	109 2,3,7,8-TCDD (Screen)	320	10.651	10.651	(0.954)	1071	0.50000	0.44(a)
	124 Carbamazepine	193	10.663	10.663	(0.955)	237626	50.0000	54
	60 3,3'-Dichlorobenzidine	252	11.133	11.133	(0.997)	161136	50.0000	53
	61 Benzo(a)anthracene	228	11.157	11.157	(0.999)	576121	50.0000	48
*	81 Chrysene-d12	240	11.169	11.169	(1.000)	397573	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.216	11.216	(1.004)	435241	50.0000	49
	62 Chrysene	228	11.198	11.198	(1.003)	576230	50.0000	52
	64 Di-n-octylphthalate	149	12.027	12.027	(0.926)	636930	50.0000	43
	65 Benzo(b)fluoranthene	252	12.498	12.498	(0.962)	467679	50.0000	47
	66 Benzo(k)fluoranthene	252	12.533	12.533	(0.965)	559326	50.0000	51
	67 Benzo(a)pyrene	252	12.916	12.916	(0.994)	404584	50.0000	51
*	84 Perylene-d12	264	12.992	12.992	(1.000)	319638	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	14.410	14.410	(1.109)	317689	50.0000	49(M)
	69 Dibenz(a,h)anthracene	278	14.439	14.439	(1.111)	365804	50.0000	54
	70 Benzo(g,h,i)perylene	276	14.780	14.780	(1.138)	372459	50.0000	56

Data File: /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18138.d
Report Date: 08-Feb-2013 13:24

QC Flag Legend

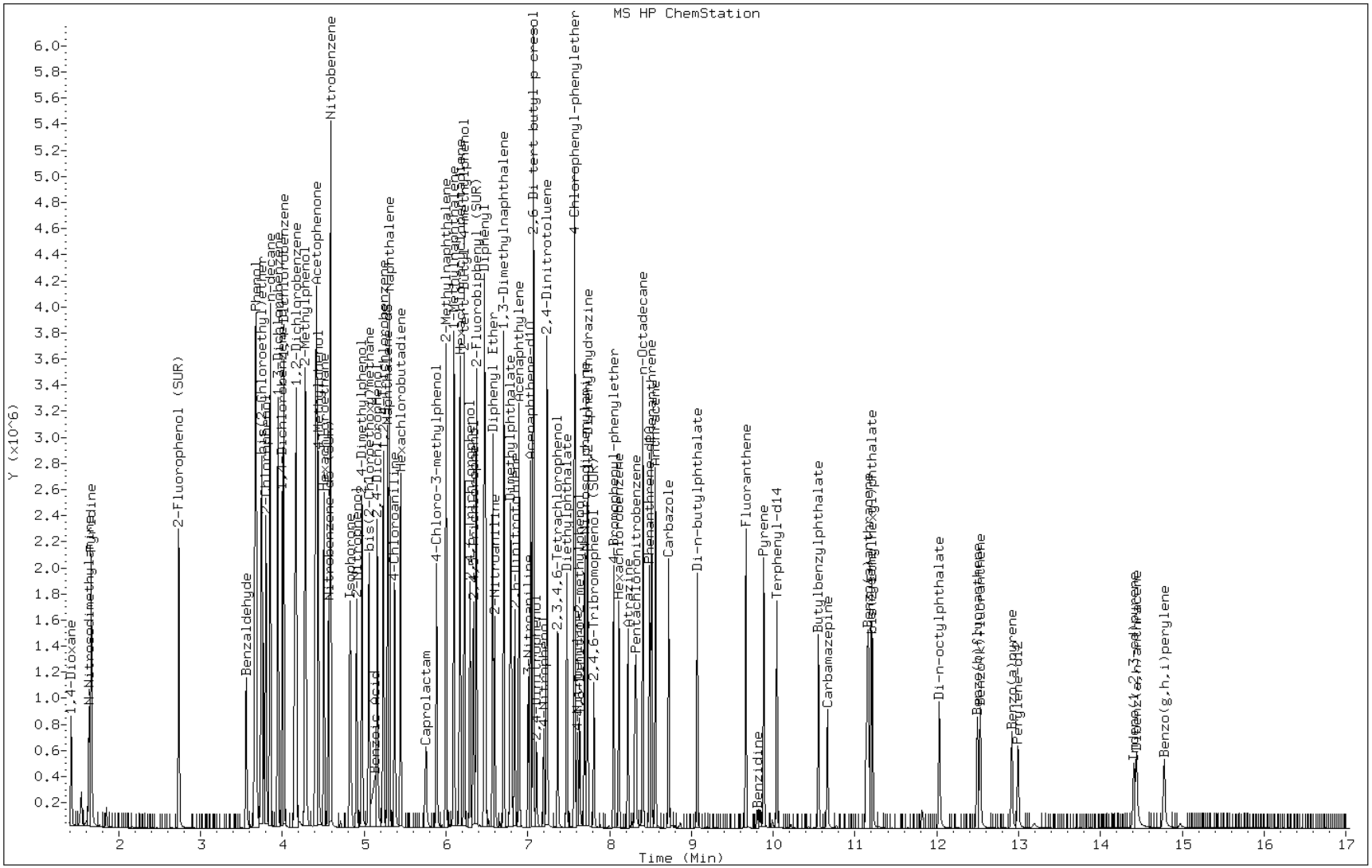
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z18138.d

Date: 08-FEB-2013 12:51

Client ID: Instrument: BNAMS11.i

Sample Info: CCVIS-1888732 Operator: BNAMS 4



Manual Integration Report

Data File: z18138.d
Inj. Date and Time: 08-FEB-2013 12:51
Instrument ID: BNAMS11.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 02/11/2013

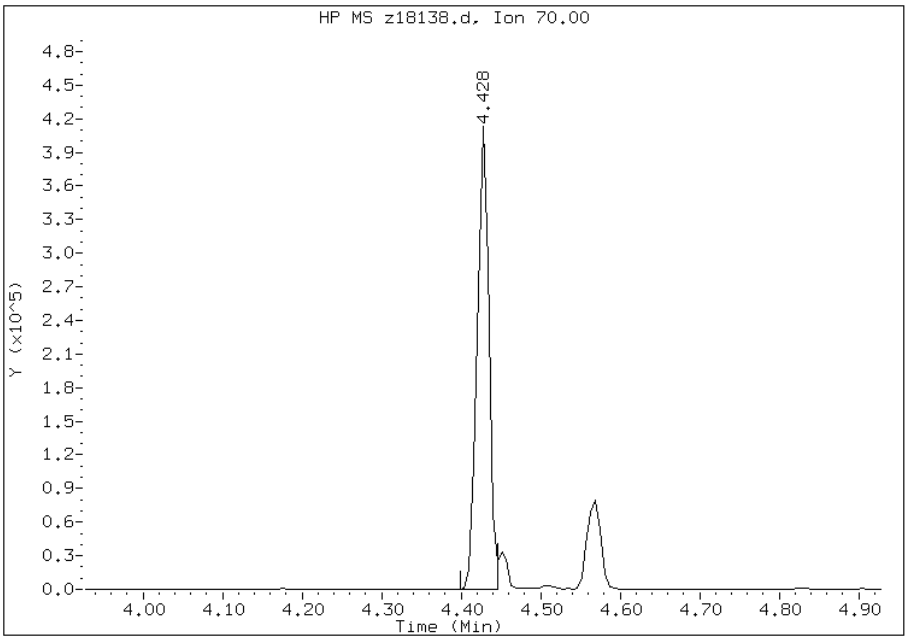
Processing Integration Results

RT: 4.43

Response: 420642

Amount: 50

Conc: 50



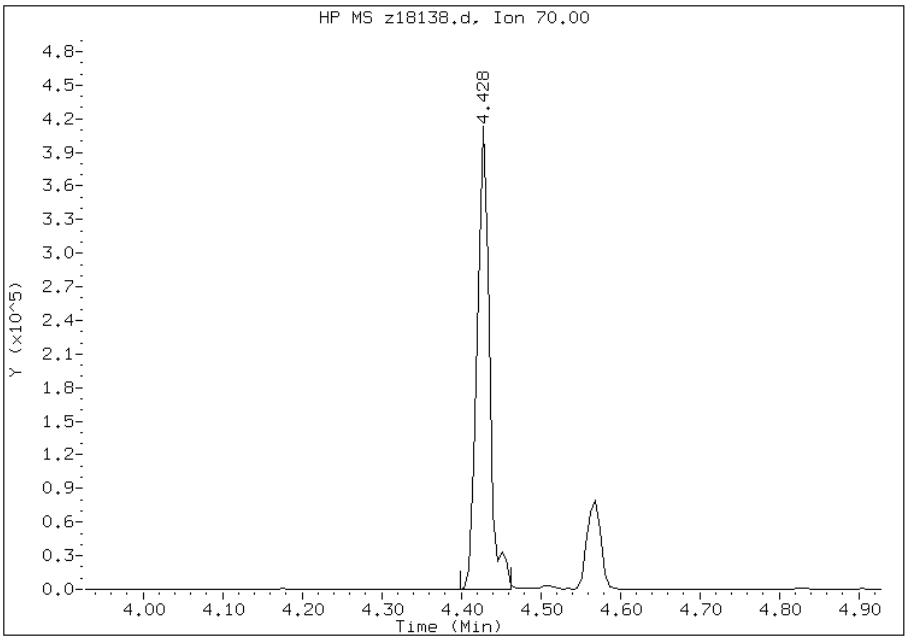
Manual Integration Results

RT: 4.43

Response: 443583

Amount: 53

Conc: 53



Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Manual Integration Report

Data File: z18138.d
Inj. Date and Time: 08-FEB-2013 12:51
Instrument ID: BNAMS11.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/11/2013

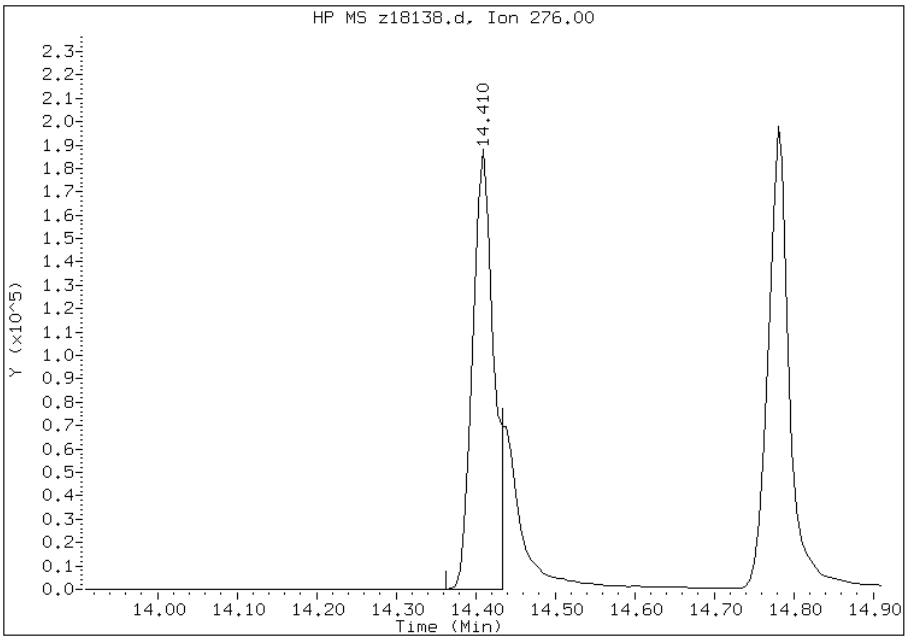
Processing Integration Results

RT: 14.41

Response: 343914

Amount: 53

Conc: 53



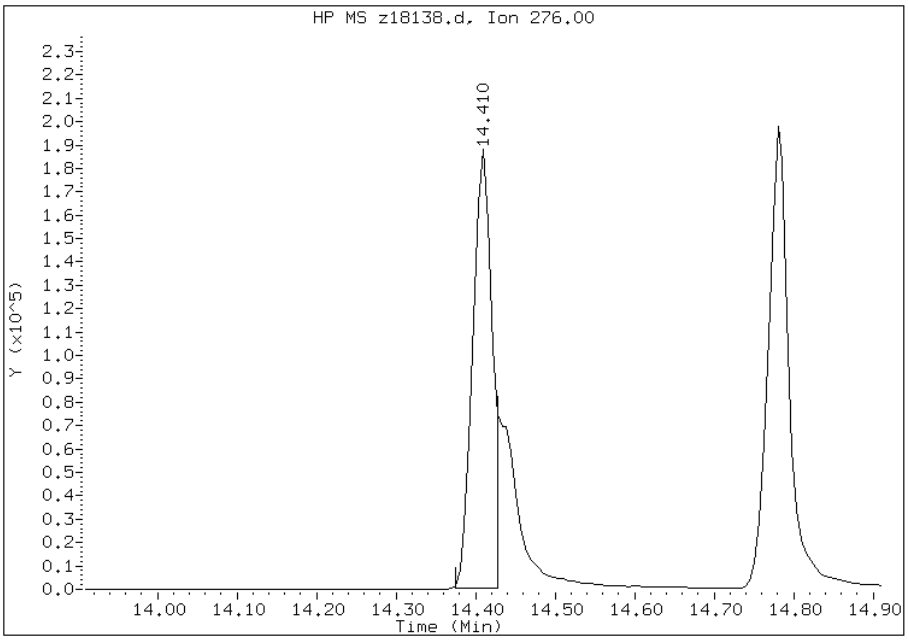
Manual Integration Results

RT: 14.41

Response: 317689

Amount: 49

Conc: 49



Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab Sample ID: CCVIS 460-146806/2 Calibration Date: 02/10/2013 00:43

Instrument ID: BNAMS11 Calib Start Date: 02/01/2013 03:01

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 02/01/2013 05:31

Lab File ID: z18167.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5820	0.6057		52000	50000	4.1	20.0
N-Nitrosodimethylamine	Ave	0.7938	0.8373		52700	50000	5.5	20.0
Pyridine	Ave	1.432	1.484		51800	50000	3.6	20.0
Benzaldehyde	Ave	0.6095	0.4120		33800	50000	-32.4*	20.0
Aniline	Ave	1.943	1.911		49200	50000	-1.6	20.0
Phenol	Ave	1.758	1.643		46700	50000	-6.5	20.0
Bis(2-chloroethyl)ether	QuaF	1.557	1.387		50600	50000	1.2	20.0
2-Chlorophenol	Ave	1.390	1.297		46700	50000	-6.7	20.0
Decane	Ave	1.234	1.469		59600	50000	19.1	20.0
1,3-Dichlorobenzene	Ave	1.623	1.614		49700	50000	-0.5	20.0
1,4-Dichlorobenzene	Ave	1.616	1.593		49300	50000	-1.5	20.0
Benzyl alcohol	Ave	0.8052	0.8183		50800	50000	1.6	20.0
1,2-Dichlorobenzene	Ave	1.506	1.484		49300	50000	-1.4	20.0
2-Methylphenol	Ave	1.150	1.065		46300	50000	-7.3	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.335	1.534		57500	50000	14.9	20.0
Acetophenone	Ave	1.723	1.653		48000	50000	-4.1	20.0
N-Nitrosodi-n-propylamine	Ave	0.8389	0.8807	0.0500	52500	50000	5.0	20.0
3 & 4 Methylphenol	Ave	1.186	1.104		46500	50000	-6.9	20.0
4-Methylphenol	Ave	1.190	1.109		46600	50000	-6.7	20.0
Hexachloroethane	Ave	0.6008	0.6129		51000	50000	2.0	20.0
Nitrobenzene	Ave	0.5074	0.5214		51400	50000	2.8	20.0
n,n'-Dimethylaniline	Ave	1.908	1.846		48400	50000	-3.3	20.0
Isophorone	Ave	0.5822	0.6184		53100	50000	6.2	20.0
2-Nitrophenol	Ave	0.1888	0.1887		50000	50000	-0.0	20.0
2,4-Dimethylphenol	Ave	0.2991	0.2933		49000	50000	-1.9	20.0
Bis(2-chloroethoxy)methane	Ave	0.3873	0.4060		52400	50000	4.8	20.0
Benzoic acid	LinF	0.1313	0.1540		48500	50000	-3.0	20.0
2,4-Dichlorophenol	Ave	0.2628	0.2569		48900	50000	-2.3	20.0
1,2,4-Trichlorobenzene	Ave	0.3178	0.3136		49300	50000	-1.3	20.0
Naphthalene	Ave	1.036	1.031		49800	50000	-0.5	20.0
4-Chloroaniline	Ave	0.3553	0.3605		50700	50000	1.4	20.0
Hexachlorobutadiene	Ave	0.1767	0.1689		47800	50000	-4.4	20.0
Caprolactam	Ave	0.0750	0.0859		57300	50000	14.6	20.0
4-Chloro-3-methylphenol	Ave	0.2582	0.2521		48800	50000	-2.4	20.0
2-Methylnaphthalene	Ave	0.6302	0.6258		49700	50000	-0.7	20.0
1-Methylnaphthalene	Ave	0.6525	0.6440		49300	50000	-1.3	20.0
Hexachlorocyclopentadiene	Ave	0.3323	0.3045	0.0500	45800	50000	-8.4	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6160	0.5680		46100	50000	-7.8	20.0
2-tertbutyl-4-methylphenol	Ave	0.4385	0.4236		48300	50000	-3.4	20.0
2,4,6-Trichlorophenol	Ave	0.3660	0.3581		48900	50000	-2.1	20.0
2,4,5-Trichlorophenol	Ave	0.3744	0.3706		49500	50000	-1.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab Sample ID: CCVIS 460-146806/2 Calibration Date: 02/10/2013 00:43

Instrument ID: BNAMS11 Calib Start Date: 02/01/2013 03:01

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 02/01/2013 05:31

Lab File ID: z18167.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diphenyl	Ave	1.591	1.513		47500	50000	-4.9	20.0
2-Chloronaphthalene	Ave	1.189	1.164		49000	50000	-2.1	20.0
Diphenyl ether	Ave	0.8438	0.8216		48700	50000	-2.6	20.0
2-Nitroaniline	Ave	0.3443	0.3531		51300	50000	2.6	20.0
Dimethylnaphthalene, total	Ave	1.022	0.998		48800	50000	-2.4	20.0
Dimethyl phthalate	Ave	1.139	1.144		50200	50000	0.4	20.0
Coumarin	Ave	0.1718	0.1849		53800	50000	7.6	20.0
2,6-Dinitrotoluene	Ave	0.2718	0.2751		50600	50000	1.2	20.0
Acenaphthylene	Ave	1.801	1.784		49500	50000	-0.9	20.0
3-Nitroaniline	Ave	0.2698	0.2845		52700	50000	5.4	20.0
Acenaphthene	Ave	1.067	1.033		48400	50000	-3.2	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.039	0.9639		46400	50000	-7.2	20.0
2,4-Dinitrophenol	QuaF	0.1217	0.1269	0.0500	46900	50000	-6.2	20.0
4-Nitrophenol	Ave	0.1738	0.1750	0.0500	50300	50000	0.7	20.0
2,4-Dinitrotoluene	Ave	0.3288	0.3335		50700	50000	1.4	20.0
Dibenzofuran	Ave	1.511	1.502		49700	50000	-0.6	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2487	0.2580		51900	50000	3.7	20.0
Diethyl phthalate	Ave	1.073	1.116		52000	50000	4.0	20.0
Fluorene	Ave	1.202	1.196		49700	50000	-0.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.5596	0.5378		48000	50000	-3.9	20.0
4-Nitroaniline	Ave	0.2409	0.2455		50900	50000	1.9	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1310	0.1351		51600	50000	3.1	20.0
N-Nitrosodiphenylamine	Ave	0.5955	0.5952		50000	50000	-0.0	20.0
1,2-Diphenylhydrazine	Ave	1.043	1.104		53000	50000	5.9	20.0
4-Bromophenyl phenyl ether	Ave	0.2423	0.2388		49300	50000	-1.4	20.0
Hexachlorobenzene	Ave	0.2597	0.2494		48000	50000	-3.9	20.0
Atrazine	Ave	0.2002	0.1961		49000	50000	-2.0	20.0
Pentachlorophenol	Ave	0.1327	0.1368		51600	50000	3.1	20.0
Pentachloronitrobenzene	Ave	0.0942	0.0868		46100	50000	-7.9	
n-Octadecane	Ave	0.5053	0.5643		55800	50000	11.7	20.0
Phenanthrene	Ave	1.133	1.102		48700	50000	-2.7	20.0
Anthracene	Ave	1.145	1.135		49600	50000	-0.9	20.0
Carbazole	Ave	0.9255	0.9334		50400	50000	0.8	20.0
Di-n-butyl phthalate	Ave	1.143	1.192		52100	50000	4.3	20.0
Fluoranthene	Ave	0.9873	0.9824		49700	50000	-0.5	20.0
Benzidine	Ave	0.2166	0.0815		18800	50000	-62.4*	20.0
Pyrene	Ave	1.775	1.737		48900	50000	-2.2	20.0
Butyl benzyl phthalate	Ave	0.6766	0.6947		51300	50000	2.7	20.0
2,3,7,8-TCDD (Screen)	Ave	0.2453	0.2217		452	500	-9.6	20.0
Carbamazepine	Ave	0.4382	0.4476		51100	50000	2.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab Sample ID: CCVIS 460-146806/2 Calibration Date: 02/10/2013 00:43

Instrument ID: BNAMS11 Calib Start Date: 02/01/2013 03:01

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 02/01/2013 05:31

Lab File ID: z18167.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dichlorobenzidine	QuaF	0.3321	0.3188		51600	50000	3.2	20.0
Benzo[a]anthracene	Ave	1.203	1.172		48700	50000	-2.6	20.0
Chrysene	Ave	1.110	1.144		51500	50000	3.1	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8992	0.8994		50000	50000	0.0	20.0
Di-n-octyl phthalate	Ave	1.853	1.675		45200	50000	-9.6	20.0
Benzo[b]fluoranthene	Ave	1.253	1.238		49400	50000	-1.1	20.0
Benzo[k]fluoranthene	Ave	1.366	1.333		48800	50000	-2.4	20.0
Benzo[a]pyrene	Ave	0.9924	1.004		50600	50000	1.2	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.8164	0.8749		53600	50000	7.2	20.0
Dibenz(a,h)anthracene	Ave	0.8466	0.9172		54200	50000	8.3	20.0
Benzo[g,h,i]perylene	Ave	0.8298	0.9274		55900	50000	11.8	20.0
2-Fluorophenol	Ave	1.345	1.286		47800	50000	-4.4	20.0
Phenol-d5	Ave	1.617	1.540		47600	50000	-4.8	20.0
Nitrobenzene-d5	Ave	0.3846	0.3993		51900	50000	3.8	20.0
2-Fluorobiphenyl	Ave	1.408	1.348		47900	50000	-4.3	20.0
2,4,6-Tribromophenol	Ave	0.1711	0.1726		50400	50000	0.9	20.0
Terphenyl-d14	Ave	1.225	1.205		49200	50000	-1.6	20.0

Data File: /chem/BNAMS11.i/8270/02-01-13/09feb13.b/z18167.d
Report Date: 10-Feb-2013 01:18

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/02-01-13/09feb13.b/z18167.d
Lab Smp Id: CCVIS-1888732
Inj Date : 10-FEB-2013 00:43
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : CCVIS-1888732
Misc Info : bna4724
Comment :
Method : /chem/BNAMS11.i/8270/02-01-13/09feb13.b/8270C_11.m
Meth Date : 10-Feb-2013 01:18 wahied Quant Type: ISTD
Cal Date : 01-FEB-2013 05:31 Cal File: z16837.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.381	1.381	(0.347)	205678	50.0000	52
	19 N-Nitrosodimethylamine	74	1.599	1.599	(0.402)	284338	50.0000	53
	71 Pyridine	79	1.622	1.622	(0.408)	503913	50.0000	52
$	16 2-Fluorophenol (SUR)	112	2.704	2.704	(0.680)	436711	50.0000	48
	110 Benzaldehyde	77	3.534	3.534	(0.889)	139903	50.0000	34
$	17 Phenol-d5 (SUR)	99	3.640	3.640	(0.916)	522843	50.0000	48
	1 Phenol	94	3.651	3.651	(0.919)	558033	50.0000	47
	73 Aniline	93	3.645	3.645	(0.917)	649045	50.0000	49
	20 bis(2-Chloroethyl)ether	93	3.716	3.716	(0.935)	471106	50.0000	50
	2 2-Chlorophenol	128	3.775	3.775	(0.950)	440589	50.0000	47
	113 n-decane	43	3.828	3.828	(0.963)	498868	50.0000	60
	21 1,3-Dichlorobenzene	146	3.922	3.922	(0.987)	548071	50.0000	50
*	79 1,4-Dichlorobenzene-d4	152	3.975	3.975	(1.000)	271657	40.0000	

Data File: /chem/BNAMS11.i/8270/02-01-13/09feb13.b/z18167.d
Report Date: 10-Feb-2013 01:18

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)
	22 1,4-Dichlorobenzene	146	3.992	3.992	(1.004)	540770	50.0000	49
	74 Benzyl Alcohol	108	4.128	4.128	(1.038)	277878	50.0000	51
	23 1,2-Dichlorobenzene	146	4.145	4.145	(1.043)	504028	50.0000	49
	3 2-Methylphenol	108	4.257	4.257	(1.071)	361804	50.0000	46
	24 bis (2-chloroisopropyl) ether	45	4.263	4.263	(1.073)	520918	50.0000	57
	4 4-Methylphenol	108	4.416	4.416	(1.111)	376723	50.0000	47
	123 3 & 4 Methylphenol	108	4.416	4.416	(1.111)	374907	50.0000	46
	104 Acetophenone	105	4.392	4.392	(1.105)	561474	50.0000	48
	25 N-Nitroso-di-n-propylamine	70	4.404	4.404	(1.108)	299074	50.0000	52
	26 Hexachloroethane	117	4.487	4.487	(1.129)	208113	50.0000	51
$	76 Nitrobenzene-d5 (SUR)	82	4.545	4.545	(0.864)	468887	50.0000	52
	27 Nitrobenzene	77	4.563	4.563	(0.867)	612162	50.0000	51
	107 N,N-Dimethylaniline	120	4.569	4.569	(1.149)	626906	50.0000	48
	28 Isophorone	82	4.804	4.804	(0.913)	726133	50.0000	53
	5 2-Nitrophenol	139	4.887	4.887	(0.928)	221556	50.0000	50
	6 2,4-Dimethylphenol	122	4.951	4.951	(0.941)	344403	50.0000	49
	29 bis(2-Chloroethoxy)methane	93	5.034	5.034	(0.956)	476675	50.0000	52
	15 Benzoic Acid	122	5.098	5.098	(0.969)	180820	50.0000	48
	7 2,4-Dichlorophenol	162	5.139	5.139	(0.977)	301624	50.0000	49
	30 1,2,4-Trichlorobenzene	180	5.210	5.210	(0.990)	368234	50.0000	49
*	80 Naphthalene-d8	136	5.263	5.263	(1.000)	939334	40.0000	
	31 Naphthalene	128	5.287	5.287	(1.004)	1210734	50.0000	50
	32 4-Chloroaniline	127	5.351	5.351	(1.017)	423247	50.0000	51
	33 Hexachlorobutadiene	225	5.422	5.422	(1.030)	198291	50.0000	48
	111 Caprolactam	113	5.734	5.734	(1.089)	100909	50.0000	57
	8 4-Chloro-3-methylphenol	107	5.869	5.869	(1.115)	295954	50.0000	49
	34 2-Methylnaphthalene	142	5.981	5.981	(1.136)	734753	50.0000	50
	120 1-Methylnaphthalene	142	6.081	6.081	(1.155)	756105	50.0000	49
	35 Hexachlorocyclopentadiene	237	6.151	6.151	(0.877)	166675	50.0000	46
	129 1,2,4,5-Tetrachlorobenzene	216	6.157	6.157	(0.878)	310967	50.0000	46
	121 2-tert-Butyl-4-methylphenol	149	6.210	6.210	(1.180)	497344	50.0000	48
	9 2,4,6-Trichlorophenol	196	6.281	6.281	(0.895)	196059	50.0000	49
	10 2,4,5-Trichlorophenol	196	6.322	6.322	(0.901)	202888	50.0000	49
$	77 2-Fluorobiphenyl (SUR)	172	6.357	6.357	(0.906)	737752	50.0000	48
	102 Diphenyl	154	6.451	6.451	(0.920)	828504	50.0000	48
	36 2-Chloronaphthalene	162	6.469	6.469	(0.922)	637310	50.0000	49
	103 Diphenyl Ether	170	6.557	6.557	(0.935)	449794	50.0000	49
	37 2-Nitroaniline	65	6.581	6.581	(0.938)	193331	50.0000	51
	125 1,3-Dimethylnaphthalene	156	6.686	6.686	(0.953)	546320	50.0000	49
	38 Dimethylphthalate	163	6.769	6.769	(0.965)	626078	50.0000	50
	114 Coumarin	146	6.781	6.781	(1.288)	217060	50.0000	54
	40 2,6-Dinitrotoluene	165	6.822	6.822	(0.972)	150585	50.0000	51
	39 Acenaphthylene	152	6.875	6.875	(0.980)	976584	50.0000	50
	41 3-Nitroaniline	138	6.986	6.986	(0.996)	155737	50.0000	53
*	82 Acenaphthene-d10	164	7.016	7.016	(1.000)	437972	40.0000	
	122 2,6-Di-tert-butyl-p-cresol	205	7.057	7.057	(1.006)	527678	50.0000	46
	42 Acenaphthene	154	7.051	7.051	(1.005)	565297	50.0000	48

Data File: /chem/BNAMS11.i/8270/02-01-13/09feb13.b/z18167.d
Report Date: 10-Feb-2013 01:18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	11 2,4-Dinitrophenol	184	7.092	7.092	(1.011)	69460	50.0000	47
	12 4-Nitrophenol	65	7.181	7.181	(1.023)	95785	50.0000	50
	44 2,4-Dinitrotoluene	165	7.216	7.216	(1.028)	182582	50.0000	51
	43 Dibenzofuran	168	7.222	7.222	(1.029)	822081	50.0000	50
	130 2,3,4,6-Tetrachlorophenol	232	7.351	7.351	(1.048)	141249	50.0000	52
	45 Diethylphthalate	149	7.469	7.469	(1.065)	610767	50.0000	52
	46 4-Chlorophenyl-phenylether	204	7.563	7.563	(1.078)	294416	50.0000	48
	47 Fluorene	166	7.557	7.557	(1.077)	654655	50.0000	50
	48 4-Nitroaniline	138	7.598	7.598	(1.083)	134393	50.0000	51
	13 4,6-Dinitro-2-methylphenol	198	7.622	7.622	(0.899)	98077	50.0000	52
	49 N-Nitrosodiphenylamine	169	7.680	7.680	(0.906)	432202	50.0000	50
	75 1,2-Diphenylhydrazine	77	7.716	7.716	(0.910)	801707	50.0000	53
$	18 2,4,6-Tribromophenol (SUR)	330	7.798	7.798	(1.111)	94472	50.0000	50
	50 4-Bromophenyl-phenylether	248	8.039	8.039	(0.949)	173374	50.0000	49
	51 Hexachlorobenzene	284	8.104	8.104	(0.956)	181099	50.0000	48
	112 Atrazine	200	8.216	8.216	(0.969)	142409	50.0000	49
	14 Pentachlorophenol	266	8.304	8.304	(0.980)	99361	50.0000	52
	132 Pentachloronitrobenzene	237	8.316	8.316	(0.981)	63017	50.0000	46
	115 n-Octadecane	57	8.392	8.392	(0.990)	409700	50.0000	56
*	83 Phenanthrene-d10	188	8.475	8.475	(1.000)	580873	40.0000	
	52 Phenanthrene	178	8.498	8.498	(1.003)	800469	50.0000	49
	53 Anthracene	178	8.545	8.545	(1.008)	824044	50.0000	50
	54 Carbazole	167	8.710	8.710	(1.028)	677698	50.0000	50
	55 Di-n-butylphthalate	149	9.063	9.063	(1.069)	865164	50.0000	52
	56 Fluoranthene	202	9.657	9.657	(1.139)	713276	50.0000	50
	58 Benzidine	184	9.798	9.798	(1.156)	59204	50.0000	19
	57 Pyrene	202	9.874	9.874	(0.885)	688502	50.0000	49
$	78 Terphenyl-d14	244	10.039	10.039	(0.900)	477598	50.0000	49
	59 Butylbenzylphthalate	149	10.545	10.545	(0.945)	275415	50.0000	51
	109 2,3,7,8-TCDD (Screen)	320	10.639	10.639	(0.954)	879	0.50000	0.45(a)
	124 Carbamazepine	193	10.657	10.657	(0.955)	177446	50.0000	51
	60 3,3'-Dichlorobenzidine	252	11.127	11.127	(0.997)	126378	50.0000	52
	61 Benzo(a)anthracene	228	11.145	11.145	(0.999)	464623	50.0000	49
*	81 Chrysene-d12	240	11.157	11.157	(1.000)	317178	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.210	11.210	(1.005)	356588	50.0000	50
	62 Chrysene	228	11.186	11.186	(1.003)	453554	50.0000	52
	64 Di-n-octylphthalate	149	12.027	12.027	(0.926)	486127	50.0000	45
	65 Benzo(b)fluoranthene	252	12.486	12.486	(0.961)	359370	50.0000	49
	66 Benzo(k)fluoranthene	252	12.521	12.521	(0.964)	386847	50.0000	49
	67 Benzo(a)pyrene	252	12.910	12.910	(0.994)	291439	50.0000	51
*	84 Perylene-d12	264	12.986	12.986	(1.000)	232141	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	14.398	14.398	(1.109)	253868	50.0000	54
	69 Dibenz(a,h)anthracene	278	14.439	14.439	(1.112)	266159	50.0000	54
	70 Benzo(g,h,i)perylene	276	14.774	14.774	(1.138)	269099	50.0000	56

Data File: /chem/BNAMS11.i/8270/02-01-13/09feb13.b/z18167.d
Report Date: 10-Feb-2013 01:18

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: z18167.d

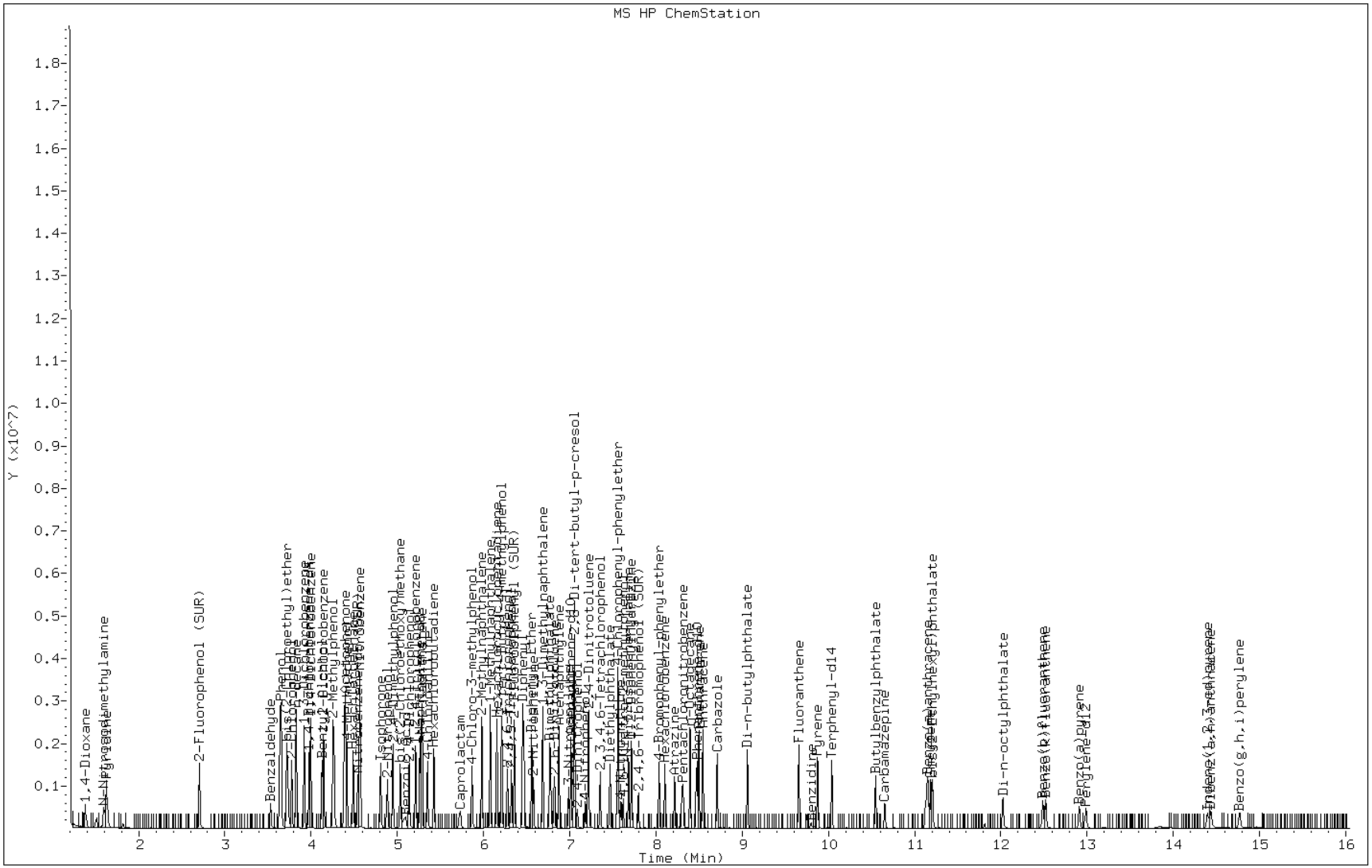
Date: 10-FEB-2013 00:43

Client ID:

Instrument: BNAMS11.i

Sample Info: CCVIS-1888732

Operator: BNAMS 4



Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16831.d
Report Date: 01-Feb-2013 04:33

TestAmerica

Data file : /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16831.d
Lab Smp Id: DFTPP-1896725
Inj Date : 01-FEB-2013 02:36
Operator : BNAMS3 Inst ID: BNAMS11.i
Smp Info : DFTPP-1896725
Misc Info : bna4725
Comment :
Method : /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/BNADFTPP.m
Meth Date : 22-Jan-2013 13:46 monica Quant Type: ESTD
Cal Date : 11-JAN-2010 13:45 Cal File: h85796.d
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #:		
5.881	6.300	-0.419	198	18397			0.00- 100.00	100.00
5.881	6.300	-0.419	51	7411			30.00- 60.00	40.28
5.881	6.300	-0.419	68	66			0.00- 2.00	0.80
5.881	6.300	-0.419	69	8232			0.00- 0.00	44.75
5.881	6.300	-0.419	70	0			0.00- 2.00	0.00
5.881	6.300	-0.419	127	9507			40.00- 60.00	51.68
5.881	6.300	-0.419	197	0			0.00- 1.00	0.00
5.881	6.300	-0.419	199	1182			5.00- 9.00	6.42
5.881	6.300	-0.419	275	5035			10.00- 30.00	27.37
5.881	6.300	-0.419	365	683			1.00- 0.00	3.71
5.881	6.300	-0.419	441	2541			0.01- 100.00	78.04
5.881	6.300	-0.419	442	16856			40.00- 110.00	91.62
5.881	6.300	-0.419	443	3256			17.00- 23.00	19.32

Data File: z16831.d

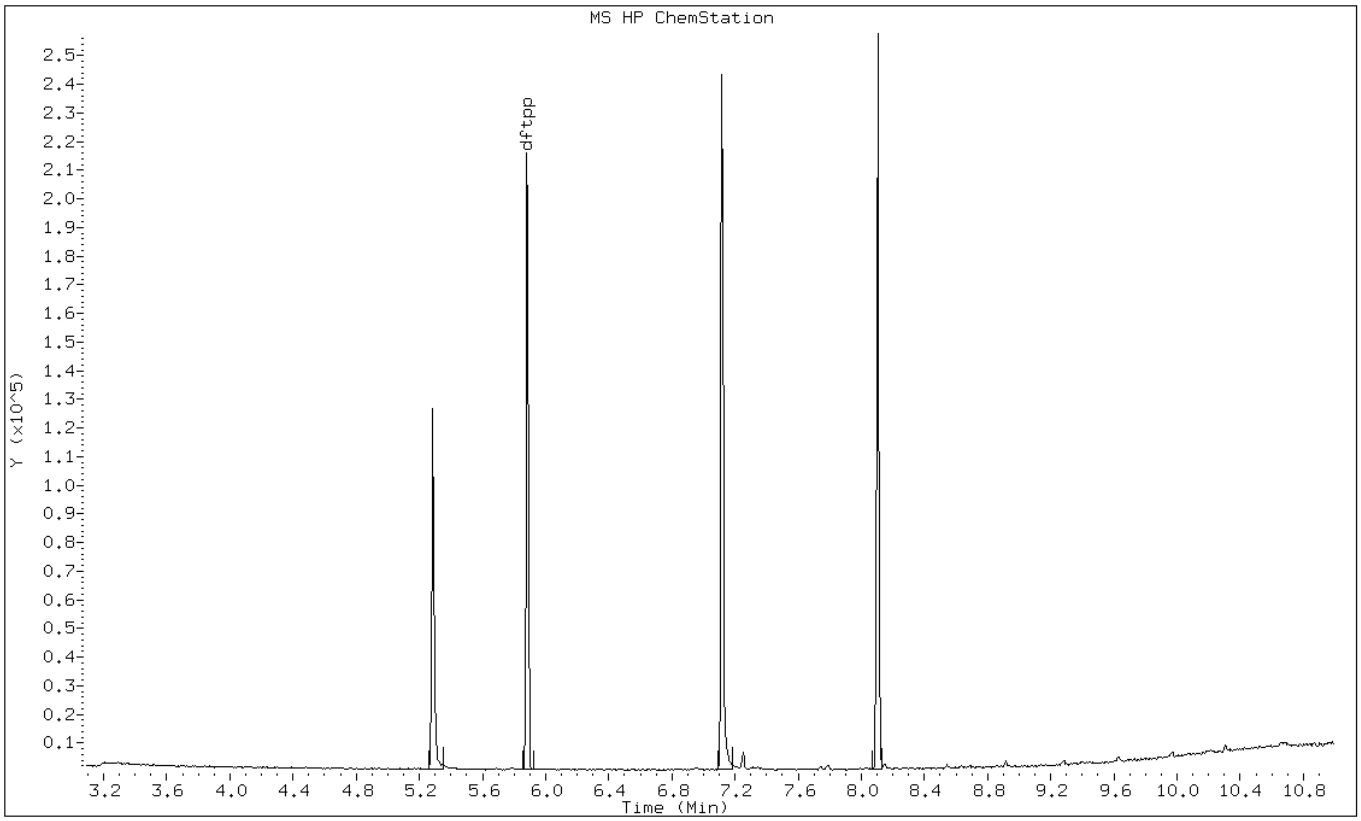
Date: 01-FEB-2013 02:36

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1896725

Operator: BNAMS3



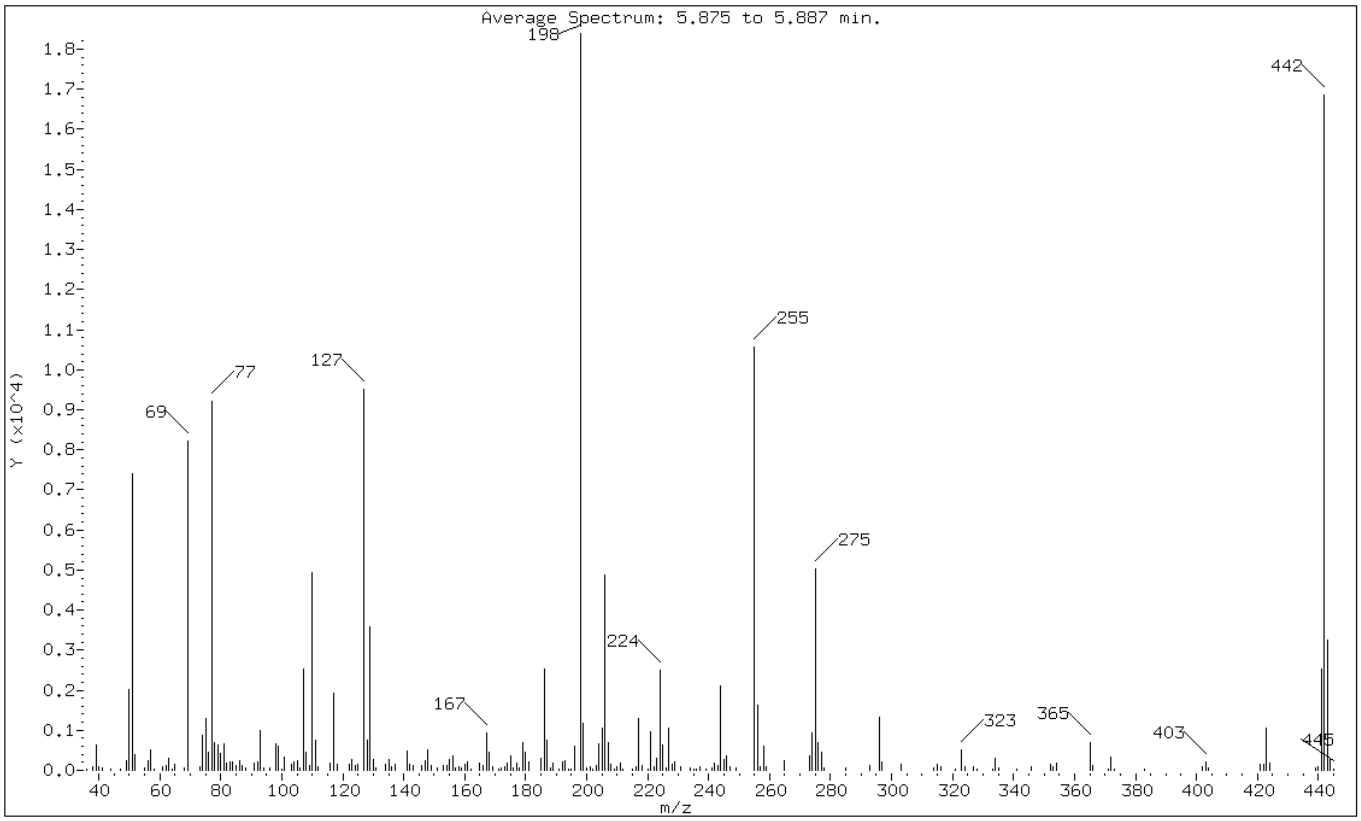
Data File: z16831.d

Date: 01-FEB-2013 02:36

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-1896725 Operator: BNAMS3

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	40.28
68	Less than 2.00% of mass 69	0.36 (0.80)
69	Mass 69 relative abundance	44.75
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	51.68
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.42
275	10.00 - 30.00% of mass 198	27.37
365	Greater than 1.00% of mass 198	3.71
441	0.01 - 100.00% of mass 443	13.81 (78.04)
442	40.00 - 110.00% of mass 198	91.62
443	17.00 - 23.00% of mass 442	17.70 (19.32)

Data File: z16831.d

Date: 01-FEB-2013 02:36

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-1896725 Operator: BNAMS3

Data File: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16831.d
Spectrum: Average Spectrum: 5.875 to 5.887 min.
Location of Maximum: 198.00
Number of points: 214

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	25	110.00	4930	186.00	2516	256.00	1640
38.00	105	111.00	758	187.00	749	257.00	98
39.00	645	112.00	93	188.00	71	258.00	611
40.00	84	116.00	175	189.00	170	259.00	87
41.00	48	117.00	1917	191.00	21	265.00	228
44.00	45	118.00	157	192.00	217	273.00	351
47.00	17	122.00	156	193.00	248	274.00	935
49.00	243	123.00	260	194.00	16	275.00	5035
50.00	2030	124.00	126	195.00	18	276.00	704
51.00	7411	125.00	136	196.00	590	277.00	439
52.00	380	127.00	9507	198.00	18392	278.00	66
55.00	75	128.00	751	199.00	1182	285.00	66
56.00	233	129.00	3574	200.00	72	293.00	113
57.00	509	130.00	279	201.00	99	296.00	1310
58.00	18	131.00	50	202.00	21	297.00	203
61.00	85	134.00	137	203.00	129	303.00	162
62.00	116	135.00	279	204.00	666	314.00	67
63.00	306	136.00	84	205.00	1052	315.00	148
64.00	45	137.00	165	206.00	4879	316.00	99
65.00	165	141.00	475	207.00	696	321.00	18
68.00	66	142.00	148	208.00	136	323.00	508
69.00	8232	143.00	108	209.00	40	324.00	89
73.00	95	146.00	125	210.00	80	327.00	87
74.00	873	147.00	252	211.00	194	328.00	37
75.00	1297	148.00	517	212.00	20	333.00	35
76.00	449	149.00	114	215.00	42	334.00	297
77.00	9213	151.00	52	216.00	90	335.00	66
78.00	680	153.00	113	217.00	1284	341.00	45
79.00	634	154.00	125	218.00	130	346.00	98
80.00	431	155.00	261	220.00	19	352.00	154
81.00	655	156.00	368	221.00	968	353.00	95
82.00	191	157.00	61	222.00	77	354.00	180
83.00	200	158.00	84	223.00	300	365.00	683
84.00	207	159.00	47	224.00	2502	366.00	118
85.00	132	160.00	141	225.00	629	371.00	35
86.00	248	161.00	218	226.00	63	372.00	319
87.00	109	162.00	19	227.00	1056	373.00	44
88.00	56	165.00	178	228.00	149	383.00	43
91.00	191	166.00	134	229.00	196	402.00	100
92.00	218	167.00	920	231.00	83	403.00	210

93.00	1000	168.00	461	234.00	68	404.00	52
94.00	65	169.00	85	235.00	40	421.00	137
96.00	61	171.00	16	236.00	45	422.00	140
98.00	670	172.00	65	237.00	91	423.00	1040
99.00	592	173.00	96	239.00	19	424.00	182
100.00	45	174.00	174	241.00	58	439.00	49
101.00	339	175.00	352	242.00	179	440.00	83
103.00	145	176.00	73	243.00	131	441.00	2541
104.00	214	177.00	175	244.00	2097	442.00	16856
105.00	235	178.00	52	245.00	273	443.00	3256
106.00	68	179.00	704	246.00	376	444.00	310
107.00	2535	180.00	456	247.00	93	445.00	18
108.00	461	181.00	220	249.00	70		
109.00	134	185.00	303	255.00	10552		

Data File: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18107.d
Report Date: 08-Feb-2013 00:04

TestAmerica

Data file : /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18107.d
Lab Smp Id: DFTPP-1896725
Inj Date : 07-FEB-2013 23:44
Operator : BNAMS3 Inst ID: BNAMS11.i
Smp Info : DFTPP-1896725
Misc Info : bna4725
Comment   :
Method   : /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/BNADFTPP.m
Meth Date : 05-Feb-2013 12:49 ranav Quant Type: ESTD
Cal Date : 11-JAN-2010 13:45 Cal File: h85796.d
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #:		
5.769	5.798	-0.029	198	19326			0.00- 100.00	100.00
5.769	5.798	-0.029	51	7894			30.00- 60.00	40.85
5.769	5.798	-0.029	68	152			0.00- 2.00	1.84
5.769	5.798	-0.029	69	8271			0.00- 0.00	42.80
5.769	5.798	-0.029	70	53			0.00- 2.00	0.64
5.769	5.798	-0.029	127	9527			40.00- 60.00	49.30
5.769	5.798	-0.029	197	52			0.00- 1.00	0.27
5.769	5.798	-0.029	199	1369			5.00- 9.00	7.08
5.769	5.798	-0.029	275	5160			10.00- 30.00	26.70
5.769	5.798	-0.029	365	708			1.00- 0.00	3.66
5.769	5.798	-0.029	441	2460			0.01- 100.00	73.35
5.769	5.798	-0.029	442	17083			40.00- 110.00	88.39
5.769	5.798	-0.029	443	3354			17.00- 23.00	19.63

Data File: z18107.d

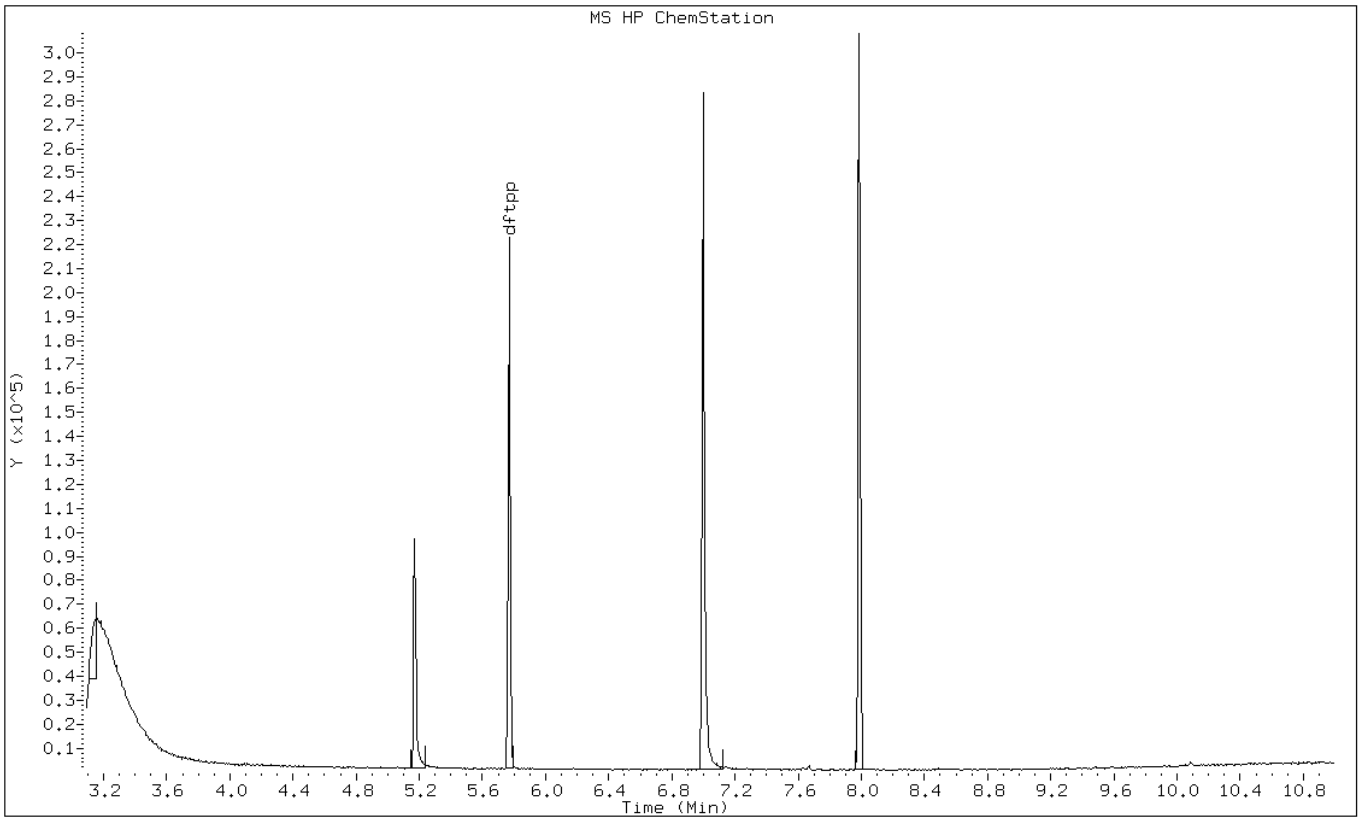
Date: 07-FEB-2013 23:44

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1896725

Operator: BNAMS3



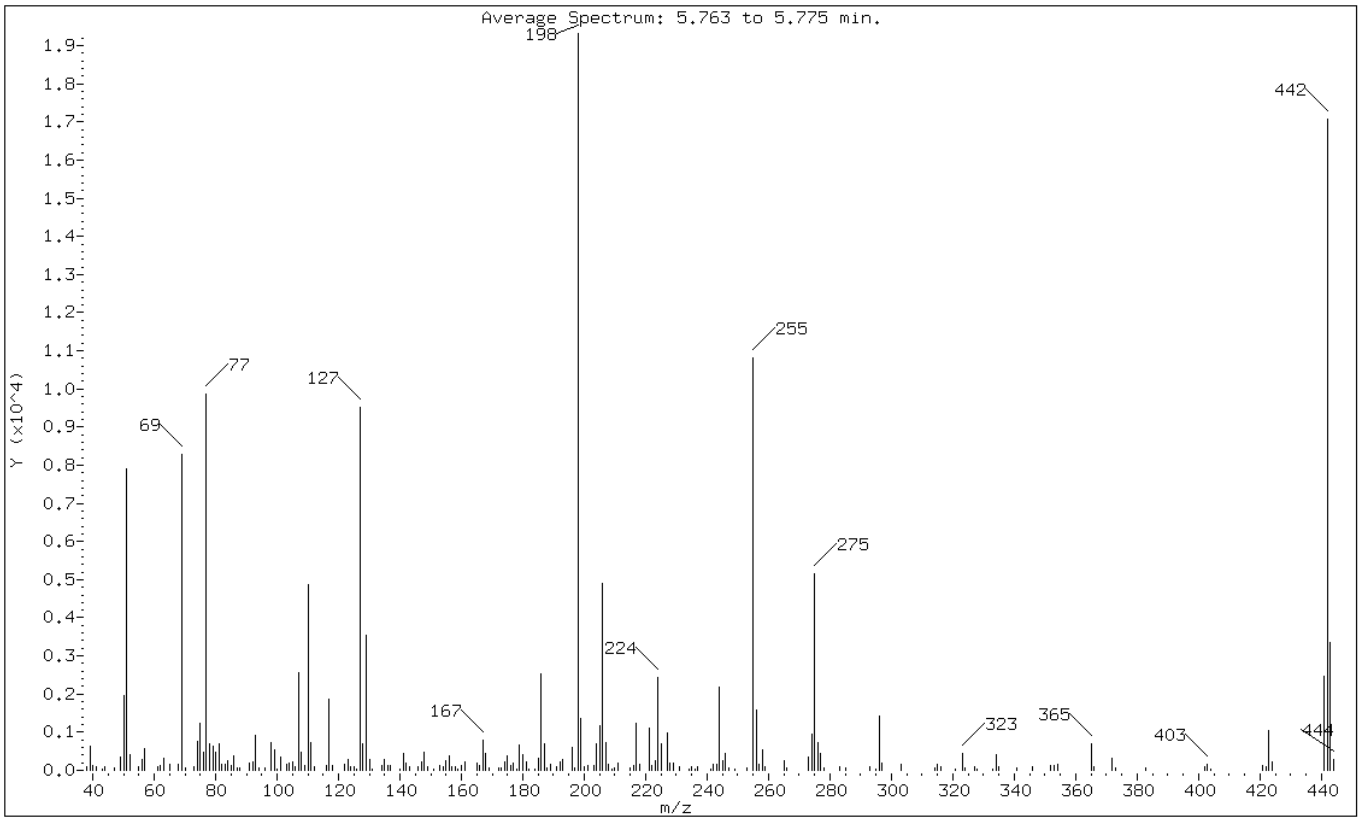
Data File: z18107.d

Date: 07-FEB-2013 23:44

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-1896725 Operator: BNAMS3

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	40.85
68	Less than 2.00% of mass 69	0.79 (1.84)
69	Mass 69 relative abundance	42.80
70	Less than 2.00% of mass 69	0.27 (0.64)
127	40.00 - 60.00% of mass 198	49.30
197	Less than 1.00% of mass 198	0.27
199	5.00 - 9.00% of mass 198	7.08
275	10.00 - 30.00% of mass 198	26.70
365	Greater than 1.00% of mass 198	3.66
441	0.01 - 100.00% of mass 443	12.73 (73.35)
442	40.00 - 110.00% of mass 198	88.39
443	17.00 - 23.00% of mass 442	17.35 (19.63)

Data File: z18107.d

Date: 07-FEB-2013 23:44

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-1896725 Operator: BNAMS3

Data File: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18107.d
Spectrum: Average Spectrum: 5.763 to 5.775 min.
Location of Maximum: 198.00
Number of points: 209

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	90	110.00	4876	182.00	18	257.00	164
39.00	629	111.00	728	184.00	21	258.00	547
40.00	116	112.00	83	185.00	301	259.00	100
41.00	93	116.00	136	186.00	2527	265.00	255
43.00	39	117.00	1877	187.00	685	266.00	66
44.00	90	118.00	126	188.00	79	273.00	342
47.00	58	122.00	165	189.00	149	274.00	935
49.00	362	123.00	270	191.00	83	275.00	5160
50.00	1969	124.00	109	192.00	209	276.00	717
51.00	7894	125.00	101	193.00	269	277.00	433
52.00	415	126.00	17	196.00	592	278.00	64
55.00	90	127.00	9527	197.00	52	283.00	88
56.00	286	128.00	704	198.00	19320	285.00	69
57.00	568	129.00	3551	199.00	1369	293.00	108
61.00	93	130.00	294	200.00	99	295.00	18
62.00	114	131.00	20	201.00	134	296.00	1413
63.00	319	134.00	118	203.00	117	297.00	199
65.00	171	135.00	283	204.00	685	303.00	165
68.00	152	136.00	112	205.00	1168	314.00	66
69.00	8271	137.00	126	206.00	4898	315.00	163
70.00	53	140.00	33	207.00	713	316.00	80
73.00	88	141.00	443	208.00	168	321.00	39
74.00	765	142.00	180	209.00	38	323.00	427
75.00	1224	143.00	92	210.00	74	324.00	61
76.00	472	146.00	104	211.00	205	327.00	80
77.00	9870	147.00	211	215.00	61	328.00	39
78.00	701	148.00	464	216.00	119	333.00	26
79.00	643	149.00	105	217.00	1248	334.00	396
80.00	462	151.00	44	218.00	164	335.00	84
81.00	681	153.00	142	221.00	1101	341.00	74
82.00	159	154.00	93	222.00	120	346.00	85
83.00	170	155.00	263	223.00	247	352.00	138
84.00	267	156.00	376	224.00	2425	353.00	118
85.00	111	157.00	106	225.00	688	354.00	157
86.00	385	158.00	89	227.00	994	365.00	708
87.00	48	159.00	40	228.00	189	366.00	97
88.00	56	160.00	120	229.00	187	372.00	315
91.00	201	161.00	210	231.00	97	373.00	74
92.00	210	165.00	195	234.00	20	383.00	69
93.00	932	166.00	141	235.00	83	402.00	97

94.00	52	167.00	778	236.00	17	403.00	160
96.00	60	168.00	453	237.00	90	404.00	18
98.00	713	169.00	79	241.00	41	421.00	129
99.00	538	172.00	50	242.00	144	422.00	82
100.00	47	173.00	75	243.00	149	423.00	1047
101.00	338	174.00	213	244.00	2172	424.00	212
103.00	158	175.00	378	245.00	256	441.00	2460
104.00	199	176.00	125	246.00	450	442.00	17080
105.00	224	177.00	191	247.00	58	443.00	3354
106.00	85	178.00	24	249.00	21	444.00	277
107.00	2566	179.00	655	253.00	48		
108.00	464	180.00	398	255.00	10803		
109.00	114	181.00	224	256.00	1591		

Data File: /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18137.d
Report Date: 08-Feb-2013 12:55

TestAmerica

Data file : /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18137.d
Lab Smp Id: DFTPP-1896725
Inj Date : 08-FEB-2013 12:30
Operator : BNA2 Inst ID: BNAMS11.i
Smp Info : DFTPP-1896725
Misc Info : bna4725
Comment :
Method : /chem/BNAMS11.i/8270/02-01-13/08feb13.b/BNADFTPP.m
Meth Date : 05-Feb-2013 12:49 ranav Quant Type: ESTD
Cal Date : 11-JAN-2010 13:45 Cal File: h85796.d
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: hpd1

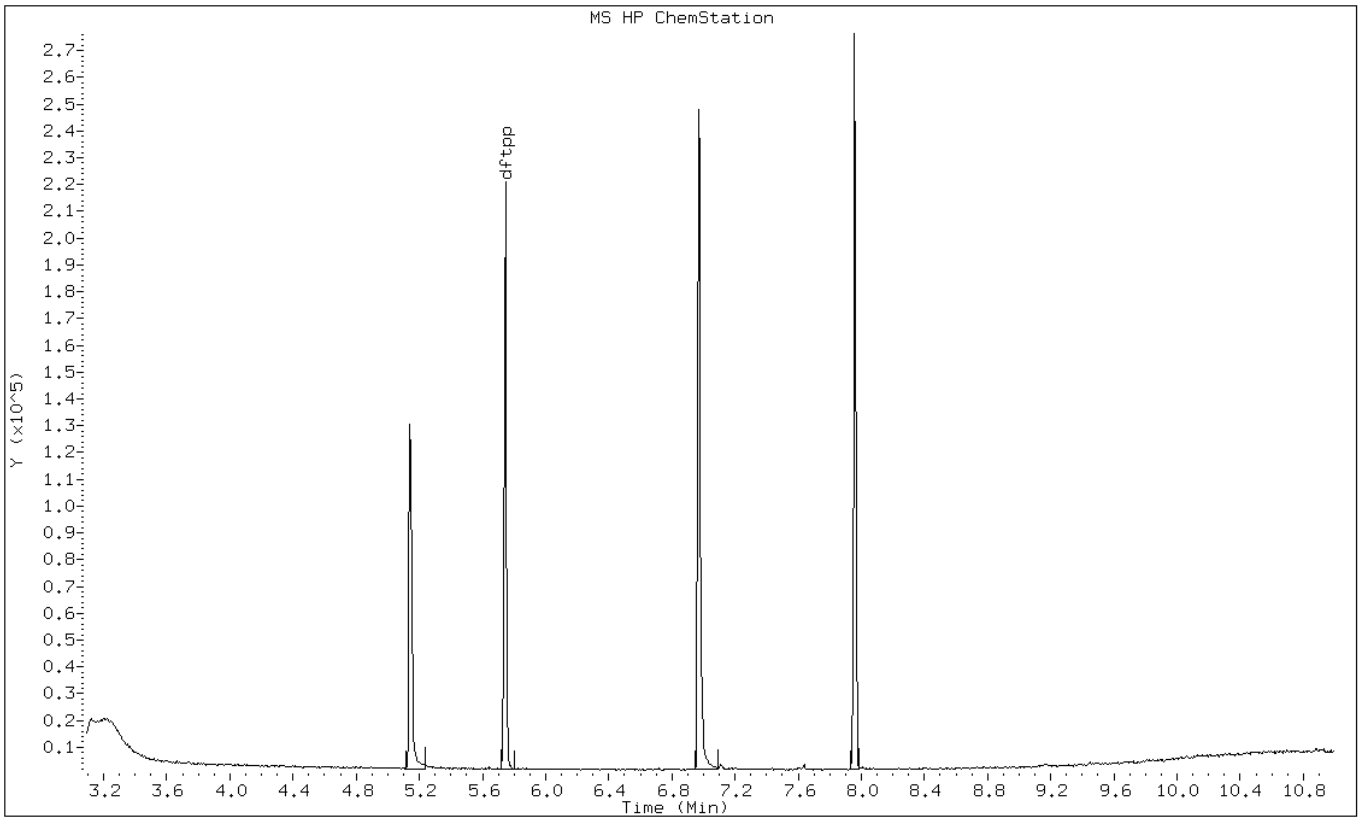
					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #:		
5.745	5.798	-0.053	198	18817			0.00- 100.00	100.00
5.745	5.798	-0.053	51	7553			30.00- 60.00	40.14
5.745	5.798	-0.053	68	147			0.00- 2.00	1.88
5.745	5.798	-0.053	69	7834			0.00- 0.00	41.63
5.745	5.798	-0.053	70	0			0.00- 2.00	0.00
5.745	5.798	-0.053	127	9340			40.00- 60.00	49.64
5.745	5.798	-0.053	197	94			0.00- 1.00	0.50
5.745	5.798	-0.053	199	1384			5.00- 9.00	7.36
5.745	5.798	-0.053	275	5360			10.00- 30.00	28.48
5.745	5.798	-0.053	365	717			1.00- 0.00	3.81
5.745	5.798	-0.053	441	2448			0.01- 100.00	73.65
5.745	5.798	-0.053	442	17748			40.00- 110.00	94.32
5.745	5.798	-0.053	443	3324			17.00- 23.00	18.73

Data File: z18137.d

Date: 08-FEB-2013 12:30

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-1896725 Operator: BNA2



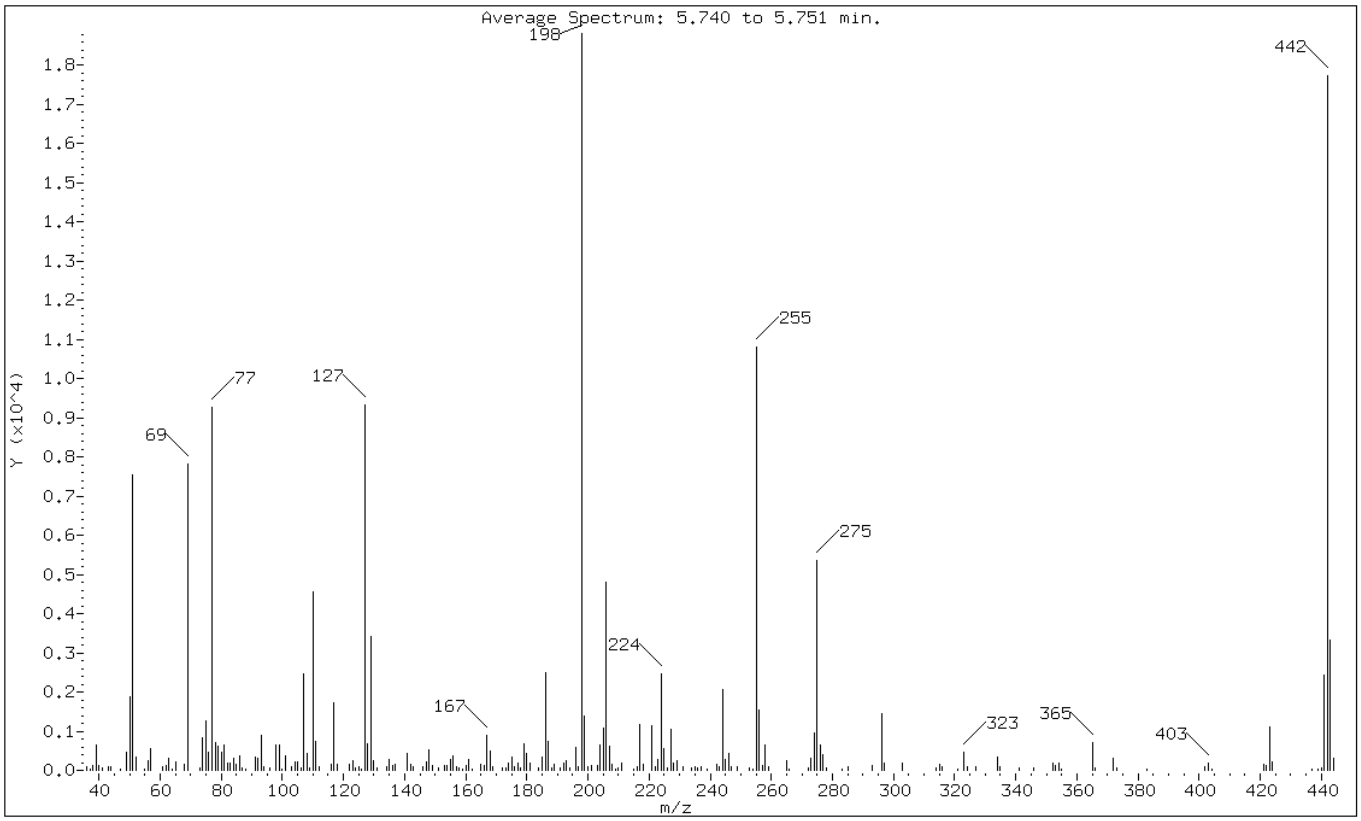
Data File: z18137.d

Date: 08-FEB-2013 12:30

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-1896725 Operator: BNA2

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	40.14
68	Less than 2.00% of mass 69	0.78 (1.88)
69	Mass 69 relative abundance	41.63
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	49.64
197	Less than 1.00% of mass 198	0.50
199	5.00 - 9.00% of mass 198	7.36
275	10.00 - 30.00% of mass 198	28.48
365	Greater than 1.00% of mass 198	3.81
441	0.01 - 100.00% of mass 443	13.01 (73.65)
442	40.00 - 110.00% of mass 198	94.32
443	17.00 - 23.00% of mass 442	17.66 (18.73)

Data File: z18137.d

Date: 08-FEB-2013 12:30

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-1896725 Operator: BNA2

Data File: /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18137.d
Spectrum: Average Spectrum: 5.740 to 5.751 min.
Location of Maximum: 198.00
Number of points: 215

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	89	109.00	72	184.00	60	256.00	1531
37.00	19	110.00	4573	185.00	336	257.00	111
38.00	133	111.00	734	186.00	2508	258.00	658
39.00	652	112.00	90	187.00	748	259.00	95
40.00	120	116.00	142	188.00	70	265.00	244
41.00	73	117.00	1714	189.00	145	266.00	43
43.00	87	118.00	139	191.00	69	272.00	49
44.00	95	122.00	144	192.00	192	273.00	323
47.00	46	123.00	242	193.00	239	274.00	947
49.00	456	124.00	69	194.00	52	275.00	5360
50.00	1872	125.00	89	196.00	600	276.00	650
51.00	7553	126.00	45	197.00	94	277.00	387
52.00	341	127.00	9340	198.00	18816	278.00	60
55.00	45	128.00	663	199.00	1384	283.00	37
56.00	238	129.00	3419	200.00	104	285.00	85
57.00	542	130.00	237	201.00	109	293.00	110
61.00	88	131.00	55	203.00	130	296.00	1433
62.00	117	134.00	93	204.00	651	297.00	189
63.00	301	135.00	268	205.00	1078	303.00	179
64.00	16	136.00	126	206.00	4795	314.00	61
65.00	224	137.00	163	207.00	631	315.00	168
68.00	147	141.00	434	208.00	160	316.00	91
69.00	7834	142.00	139	209.00	20	321.00	18
73.00	59	143.00	85	210.00	52	323.00	477
74.00	823	146.00	80	211.00	185	324.00	98
75.00	1261	147.00	229	215.00	43	327.00	101
76.00	451	148.00	530	216.00	103	334.00	335
77.00	9268	149.00	119	217.00	1169	335.00	100
78.00	696	151.00	57	218.00	164	341.00	75
79.00	627	153.00	135	221.00	1154	346.00	74
80.00	453	154.00	126	222.00	96	352.00	170
81.00	648	155.00	269	223.00	271	353.00	118
82.00	183	156.00	357	224.00	2451	354.00	199
83.00	176	157.00	99	225.00	555	355.00	41
84.00	323	158.00	57	226.00	65	365.00	717
85.00	139	159.00	18	227.00	1034	366.00	47
86.00	355	160.00	128	228.00	171	372.00	322
87.00	52	161.00	262	229.00	248	373.00	59
88.00	37	162.00	18	231.00	96	383.00	45
91.00	353	165.00	158	234.00	54	402.00	106

92.00	306	166.00	122	235.00	84	403.00	175
93.00	895	167.00	885	236.00	54	404.00	18
94.00	86	168.00	501	237.00	79	421.00	146
96.00	65	169.00	86	239.00	40	422.00	131
98.00	638	172.00	63	242.00	155	423.00	1122
99.00	655	173.00	50	243.00	98	424.00	225
100.00	23	174.00	200	244.00	2048	437.00	21
101.00	359	175.00	339	245.00	281	439.00	36
103.00	107	176.00	105	246.00	436	440.00	49
104.00	210	177.00	177	247.00	83	441.00	2448
105.00	227	178.00	64	249.00	88	442.00	17744
106.00	66	179.00	676	253.00	49	443.00	3324
107.00	2470	180.00	433	254.00	34	444.00	319
108.00	432	181.00	195	255.00	10818		

Data File: /chem/BNAMS11.i/8270/02-01-13/09feb13.b/z18166.d
Report Date: 10-Feb-2013 01:09

TestAmerica

Data file : /chem/BNAMS11.i/8270/02-01-13/09feb13.b/z18166.d
Lab Smp Id: DFTPP-1896725
Inj Date : 09-FEB-2013 23:45
Operator : BNA2 Inst ID: BNAMS11.i
Smp Info : DFTPP-1896725
Misc Info : bna4725
Comment :
Method : /chem/BNAMS11.i/8270/02-01-13/09feb13.b/BNADFTPP.m
Meth Date : 05-Feb-2013 12:49 ranav Quant Type: ESTD
Cal Date : 11-JAN-2010 13:45 Cal File: h85796.d
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None

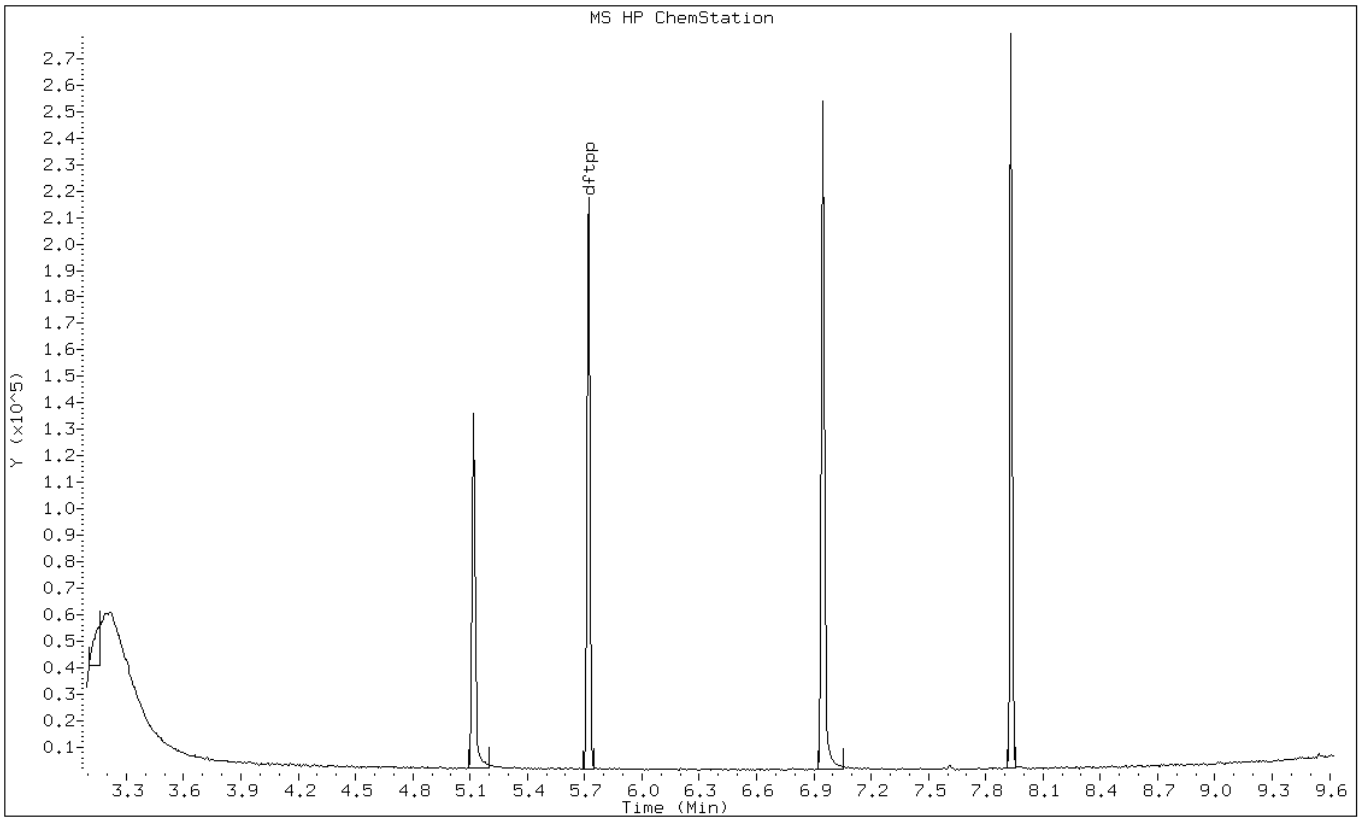
					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #:		
5.722	5.798	-0.076	198	18579			0.00- 100.00	97.20
5.722	5.798	-0.076	51	6896			30.00- 60.00	37.12
5.722	5.798	-0.076	68	139			0.00- 2.00	1.83
5.722	5.798	-0.076	69	7612			0.00- 0.00	40.97
5.722	5.798	-0.076	70	20			0.00- 2.00	0.26
5.722	5.798	-0.076	127	8883			40.00- 60.00	47.81
5.722	5.798	-0.076	197	108			0.00- 1.00	0.58
5.722	5.798	-0.076	199	1235			5.00- 9.00	6.65
5.722	5.798	-0.076	275	5187			10.00- 30.00	27.92
5.722	5.798	-0.076	365	725			1.00- 0.00	3.90
5.722	5.798	-0.076	441	2695			0.01- 100.00	72.82
5.722	5.798	-0.076	442	19115			40.00- 110.00	102.88
5.722	5.798	-0.076	443	3701			17.00- 23.00	19.36

Data File: z18166.d

Date: 09-FEB-2013 23:45

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-1896725 Operator: BNA2



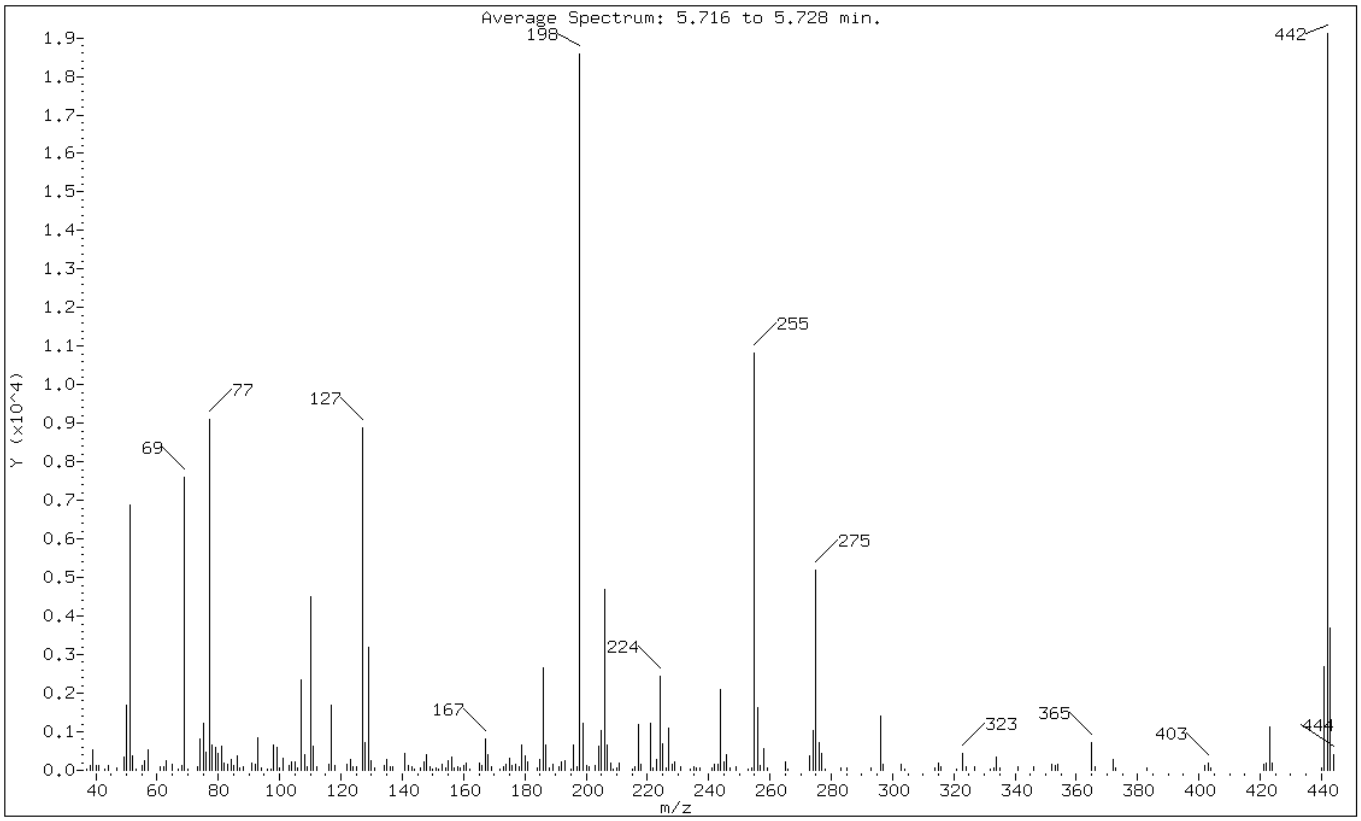
Data File: z18166.d

Date: 09-FEB-2013 23:45

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-1896725 Operator: BNA2

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	37.12
68	Less than 2.00% of mass 69	0.75 (1.83)
69	Mass 69 relative abundance	40.97
70	Less than 2.00% of mass 69	0.11 (0.26)
127	40.00 - 60.00% of mass 198	47.81
197	Less than 1.00% of mass 198	0.58
199	5.00 - 9.00% of mass 198	6.65
275	10.00 - 30.00% of mass 198	27.92
365	Greater than 1.00% of mass 198	3.90
441	0.01 - 100.00% of mass 443	14.51 (72.82)
442	40.00 - 110.00% of mass 198	102.88
443	17.00 - 23.00% of mass 442	19.92 (19.36)

Data File: z18166.d

Date: 09-FEB-2013 23:45

Client ID: Instrument: BNAMS11.i

Sample Info: DFTPP-1896725 Operator: BNA2

Data File: /chem/BNAMS11.i/8270/02-01-13/09feb13.b/z18166.d
Spectrum: Average Spectrum: 5.716 to 5.728 min.
Location of Maximum: 442.00
Number of points: 218

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	42	108.00	401	180.00	382	255.00	10824
38.00	137	109.00	94	181.00	214	256.00	1630
39.00	541	110.00	4497	184.00	54	257.00	122
40.00	126	111.00	635	185.00	273	258.00	565
41.00	128	112.00	95	186.00	2644	259.00	66
43.00	38	116.00	150	187.00	672	265.00	224
44.00	118	117.00	1695	188.00	51	266.00	45
47.00	57	118.00	139	189.00	149	273.00	366
49.00	340	122.00	151	191.00	84	274.00	1034
50.00	1695	123.00	269	192.00	207	275.00	5187
51.00	6896	124.00	108	193.00	241	276.00	727
52.00	386	125.00	90	195.00	20	277.00	448
53.00	18	127.00	8883	196.00	650	278.00	17
55.00	116	128.00	720	197.00	108	283.00	57
56.00	243	129.00	3180	198.00	18576	285.00	60
57.00	531	130.00	257	199.00	1235	293.00	71
61.00	95	131.00	49	200.00	118	296.00	1397
62.00	91	134.00	113	201.00	99	297.00	155
63.00	249	135.00	270	203.00	129	303.00	167
65.00	163	136.00	97	204.00	634	304.00	38
67.00	29	137.00	109	205.00	1027	314.00	57
68.00	139	141.00	441	206.00	4705	315.00	192
69.00	7612	142.00	124	207.00	668	316.00	101
70.00	20	143.00	88	208.00	180	321.00	22
73.00	109	144.00	42	209.00	34	323.00	431
74.00	798	146.00	75	210.00	78	324.00	103
75.00	1227	147.00	209	211.00	199	327.00	86
76.00	467	148.00	403	215.00	44	332.00	17
77.00	9091	149.00	99	216.00	80	333.00	56
78.00	653	150.00	37	217.00	1184	334.00	333
79.00	592	151.00	63	218.00	144	335.00	76
80.00	444	152.00	40	221.00	1230	341.00	80
81.00	640	153.00	152	222.00	72	346.00	108
82.00	189	154.00	53	223.00	274	352.00	168
83.00	162	155.00	236	224.00	2427	353.00	112
84.00	287	156.00	342	225.00	684	354.00	150
85.00	128	157.00	75	226.00	66	365.00	725
86.00	389	158.00	96	227.00	1081	366.00	102
87.00	65	159.00	49	228.00	156	372.00	276
88.00	83	160.00	139	229.00	214	373.00	63

91.00	188	161.00	185	231.00	103	383.00	64
92.00	159	162.00	22	234.00	20	402.00	110
93.00	844	165.00	198	235.00	87	403.00	179
94.00	53	166.00	139	236.00	47	404.00	52
96.00	19	167.00	805	237.00	68	421.00	165
97.00	24	168.00	421	241.00	49	422.00	186
98.00	644	169.00	96	242.00	164	423.00	1116
99.00	597	172.00	18	243.00	150	424.00	173
100.00	50	173.00	88	244.00	2106	440.00	57
101.00	321	174.00	142	245.00	222	441.00	2695
103.00	132	175.00	326	246.00	417	442.00	19112
104.00	214	176.00	121	247.00	56	443.00	3701
105.00	228	177.00	162	249.00	86	444.00	405
106.00	78	178.00	108	253.00	39		
107.00	2345	179.00	661	254.00	56		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-146006/1-A

Matrix: Water | Lab File ID: z18130.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 09:13

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146614 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	10	U	10	0.81
95-57-8	2-Chlorophenol	10	U	10	2.2
95-48-7	2-Methylphenol	10	U	10	1.8
106-44-5	4-Methylphenol	10	U	10	1.6
100-52-7	Benzaldehyde	10	U	10	2.0
98-86-2	Acetophenone	10	U	10	2.7
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.28
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	2.0
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.25
98-95-3	Nitrobenzene	1.0	U	1.0	0.30
67-72-1	Hexachloroethane	1.0	U	1.0	0.25
78-59-1	Isophorone	10	U	10	2.7
88-75-5	2-Nitrophenol	10	U	10	2.4
105-67-9	2,4-Dimethylphenol	10	U	10	3.4
120-83-2	2,4-Dichlorophenol	10	U	10	2.6
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	2.6
91-20-3	Naphthalene	10	U	10	2.7
106-47-8	4-Chloroaniline	10	U	10	2.0
87-68-3	Hexachlorobutadiene	2.0	U	2.0	0.57
105-60-2	Caprolactam	10	U	10	2.5
59-50-7	4-Chloro-3-methylphenol	10	U	10	2.5
91-57-6	2-Methylnaphthalene	10	U	10	3.0
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.29
77-47-4	Hexachlorocyclopentadiene	10	U	10	1.7
88-06-2	2,4,6-Trichlorophenol	10	U	10	2.4
95-95-4	2,4,5-Trichlorophenol	10	U	10	2.6
92-52-4	Diphenyl	10	U	10	2.8
91-58-7	2-Chloronaphthalene	10	U	10	2.7
88-74-4	2-Nitroaniline	20	U	20	4.9
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.61
131-11-3	Dimethyl phthalate	10	U	10	2.8
208-96-8	Acenaphthylene	10	U	10	2.7
99-09-2	3-Nitroaniline	20	U	20	5.0
83-32-9	Acenaphthene	10	U	10	2.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-146006/1-A

Matrix: Water | Lab File ID: z18130.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 09:13

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146614 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	30	U	30	6.7
51-28-5	2,4-Dinitrophenol	30	U	30	5.4
132-64-9	Dibenzofuran	10	U	10	2.8
84-66-2	Diethyl phthalate	10	U	10	2.9
86-73-7	Fluorene	10	U	10	2.8
206-44-0	Fluoranthene	10	U	10	3.2
84-74-2	Di-n-butyl phthalate	10	U	10	2.9
121-14-2	2,4-Dinitrotoluene	2.0	U	2.0	0.47
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	2.5
100-01-6	4-Nitroaniline	20	U	20	5.8
534-52-1	4,6-Dinitro-2-methylphenol	30	U	30	4.7
101-55-3	4-Bromophenyl phenyl ether	10	U	10	2.5
1912-24-9	Atrazine	10	U	10	3.0
120-12-7	Anthracene	10	U	10	2.8
86-74-8	Carbazole	10	U	10	3.2
85-01-8	Phenanthrene	10	U	10	3.1
87-86-5	Pentachlorophenol	30	U	30	5.3
129-00-0	Pyrene	10	U	10	2.9
218-01-9	Chrysene	10	U	10	3.1
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.26
191-24-2	Benzo[g,h,i]perylene	10	U	10	2.0
205-99-2	Benzo[b]fluoranthene	1.0	U	1.0	0.26
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.14
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.27
86-30-6	N-Nitrosodiphenylamine	10	U	10	2.9
85-68-7	Butyl benzyl phthalate	10	U	10	2.5
117-81-7	Bis(2-ethylhexyl) phthalate	10	U	10	2.0
117-84-0	Di-n-octyl phthalate	10	U	10	1.5
193-39-5	Indeno[1,2,3-cd]pyrene	1.0	U	1.0	0.15
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.090
91-94-1	3,3'-Dichlorobenzidine	20	U	20	4.9
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	2.6
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	2.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-146006/1-A

Matrix: Water Lab File ID: z18130.d

Analysis Method: 8270C Date Collected:

Extract. Method: 3510C Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) Date Analyzed: 02/08/2013 09:13

Con. Extract Vol.: 2(mL) Dilution Factor: 1

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

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

Analysis Batch No.: 146614 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	101		56-112
4165-62-2	Phenol-d5	37		10-48
1718-51-0	Terphenyl-d14	102		50-122
118-79-6	2,4,6-Tribromophenol	64		46-122
367-12-4	2-Fluorophenol	59		10-65
321-60-8	2-Fluorobiphenyl	91		53-108

Data File: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18130.d
Report Date: 08-Feb-2013 14:32

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18130.d
Lab Smp Id: MB 460-146006/1-A
Inj Date : 08-FEB-2013 09:13
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : MB 460-146006/1-A
Misc Info : MB 460-146006/1-A
Comment :
Method : /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/8270C_11.m
Meth Date : 08-Feb-2013 00:44 asfawa Quant Type: ISTD
Cal Date : 01-FEB-2013 05:31 Cal File: z16837.d
Als bottle: 24 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-h20.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	2.752	2.751	(0.685)	338960	29.5708	59
$ 17 Phenol-d5 (SUR)	99	3.663	3.681	(0.912)	258043	18.7281	37
113 n-decane	43	3.863	3.869	(0.962)	1170	0.11131	0.22(aH)
* 79 1,4-Dichlorobenzene-d4	152	4.016	4.022	(1.000)	340864	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	4.575	4.587	(0.863)	574200	50.7163	100
* 80 Naphthalene-d8	136	5.298	5.304	(1.000)	1177611	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	6.393	6.392	(0.907)	841680	45.6524	91
* 82 Acenaphthene-d10	164	7.051	7.057	(1.000)	523811	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	7.822	7.833	(1.109)	72102	32.1870	64(H)
* 83 Phenanthrene-d10	188	8.504	8.510	(1.000)	629770	40.0000	
$ 78 Terphenyl-d14	244	10.069	10.069	(0.900)	464074	51.1014	100
* 81 Chrysene-d12	240	11.186	11.192	(1.000)	296646	40.0000	
* 84 Perylene-d12	264	13.022	13.027	(1.000)	227555	40.0000	

Data File: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18130.d
Report Date: 08-Feb-2013 14:32

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: z18130.d

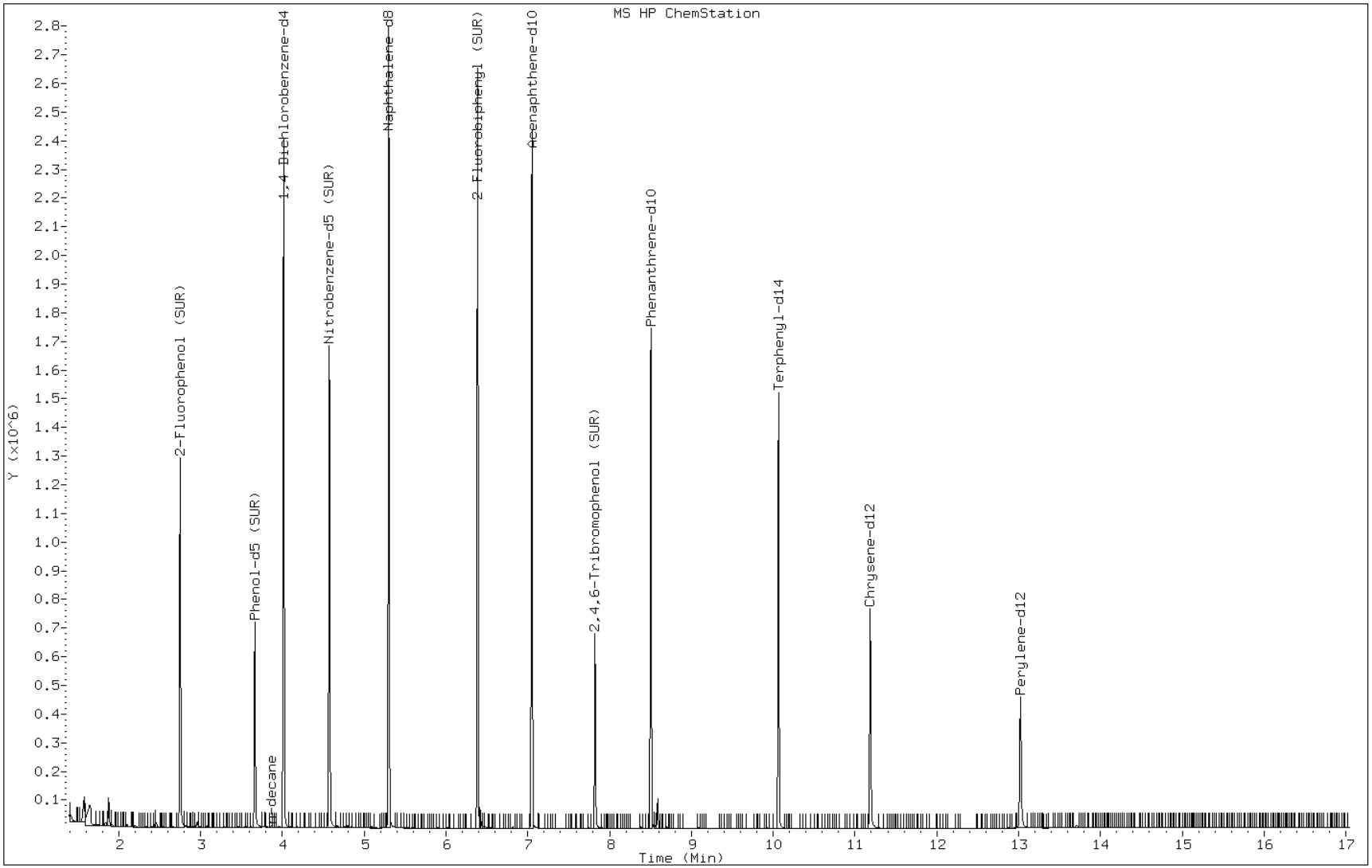
Date: 08-FEB-2013 09:13

Client ID:

Instrument: BNAMS11.i

Sample Info: MB 460-146006/1-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-146378/1-A

Matrix: Water | Lab File ID: z18185.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/07/2013 11:33

Sample wt/vol: 1000(mL) | Date Analyzed: 02/10/2013 07:25

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146806 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	10	U	10	0.81
95-57-8	2-Chlorophenol	10	U	10	2.2
95-48-7	2-Methylphenol	10	U	10	1.8
106-44-5	4-Methylphenol	10	U	10	1.6
100-52-7	Benzaldehyde	10	U	10	2.0
98-86-2	Acetophenone	10	U	10	2.7
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.28
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	2.0
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.25
98-95-3	Nitrobenzene	1.0	U	1.0	0.30
67-72-1	Hexachloroethane	1.0	U	1.0	0.25
78-59-1	Isophorone	10	U	10	2.7
88-75-5	2-Nitrophenol	10	U	10	2.4
105-67-9	2,4-Dimethylphenol	10	U	10	3.4
120-83-2	2,4-Dichlorophenol	10	U	10	2.6
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	2.6
91-20-3	Naphthalene	10	U	10	2.7
106-47-8	4-Chloroaniline	10	U	10	2.0
87-68-3	Hexachlorobutadiene	2.0	U	2.0	0.57
105-60-2	Caprolactam	10	U	10	2.5
59-50-7	4-Chloro-3-methylphenol	10	U	10	2.5
91-57-6	2-Methylnaphthalene	10	U	10	3.0
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.29
77-47-4	Hexachlorocyclopentadiene	10	U	10	1.7
88-06-2	2,4,6-Trichlorophenol	10	U	10	2.4
95-95-4	2,4,5-Trichlorophenol	10	U	10	2.6
92-52-4	Diphenyl	10	U	10	2.8
91-58-7	2-Chloronaphthalene	10	U	10	2.7
88-74-4	2-Nitroaniline	20	U	20	4.9
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.61
131-11-3	Dimethyl phthalate	10	U	10	2.8
208-96-8	Acenaphthylene	10	U	10	2.7
99-09-2	3-Nitroaniline	20	U	20	5.0
83-32-9	Acenaphthene	10	U	10	2.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-146378/1-A

Matrix: Water | Lab File ID: z18185.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/07/2013 11:33

Sample wt/vol: 1000(mL) | Date Analyzed: 02/10/2013 07:25

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146806 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	30	U	30	6.7
51-28-5	2,4-Dinitrophenol	30	U	30	5.4
132-64-9	Dibenzofuran	10	U	10	2.8
84-66-2	Diethyl phthalate	10	U	10	2.9
86-73-7	Fluorene	10	U	10	2.8
206-44-0	Fluoranthene	10	U	10	3.2
84-74-2	Di-n-butyl phthalate	10	U	10	2.9
121-14-2	2,4-Dinitrotoluene	2.0	U	2.0	0.47
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	2.5
100-01-6	4-Nitroaniline	20	U	20	5.8
534-52-1	4,6-Dinitro-2-methylphenol	30	U	30	4.7
101-55-3	4-Bromophenyl phenyl ether	10	U	10	2.5
1912-24-9	Atrazine	10	U	10	3.0
120-12-7	Anthracene	10	U	10	2.8
86-74-8	Carbazole	10	U	10	3.2
85-01-8	Phenanthrene	10	U	10	3.1
87-86-5	Pentachlorophenol	30	U	30	5.3
129-00-0	Pyrene	10	U	10	2.9
218-01-9	Chrysene	10	U	10	3.1
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.26
191-24-2	Benzo[g,h,i]perylene	10	U	10	2.0
205-99-2	Benzo[b]fluoranthene	1.0	U	1.0	0.26
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.14
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.27
86-30-6	N-Nitrosodiphenylamine	10	U	10	2.9
85-68-7	Butyl benzyl phthalate	10	U	10	2.5
117-81-7	Bis(2-ethylhexyl) phthalate	10	U	10	2.0
117-84-0	Di-n-octyl phthalate	10	U	10	1.5
193-39-5	Indeno[1,2,3-cd]pyrene	1.0	U	1.0	0.15
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.090
91-94-1	3,3'-Dichlorobenzidine	20	U	20	4.9
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	2.6
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	2.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-146378/1-A

Matrix: Water | Lab File ID: z18185.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/07/2013 11:33

Sample wt/vol: 1000(mL) | Date Analyzed: 02/10/2013 07:25

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146806 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	80		56-112
4165-62-2	Phenol-d5	21		10-48
1718-51-0	Terphenyl-d14	75		50-122
118-79-6	2,4,6-Tribromophenol	71		46-122
367-12-4	2-Fluorophenol	36		10-65
321-60-8	2-Fluorobiphenyl	75		53-108

Data File: /chem/BNAMS11.i/8270/02-01-13/09feb13.b/z18185.d
Report Date: 11-Feb-2013 11:53

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/02-01-13/09feb13.b/z18185.d
Lab Smp Id: MB 460-146378/1-A
Inj Date : 10-FEB-2013 07:25
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : MB 460-146378/1-A
Misc Info :
Comment :
Method : /chem/BNAMS11.i/8270/02-01-13/09feb13.b/8270C_11.m
Meth Date : 10-Feb-2013 01:18 wahied Quant Type: ISTD
Cal Date : 01-FEB-2013 05:31 Cal File: z16837.d
Als bottle: 20 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-h20.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

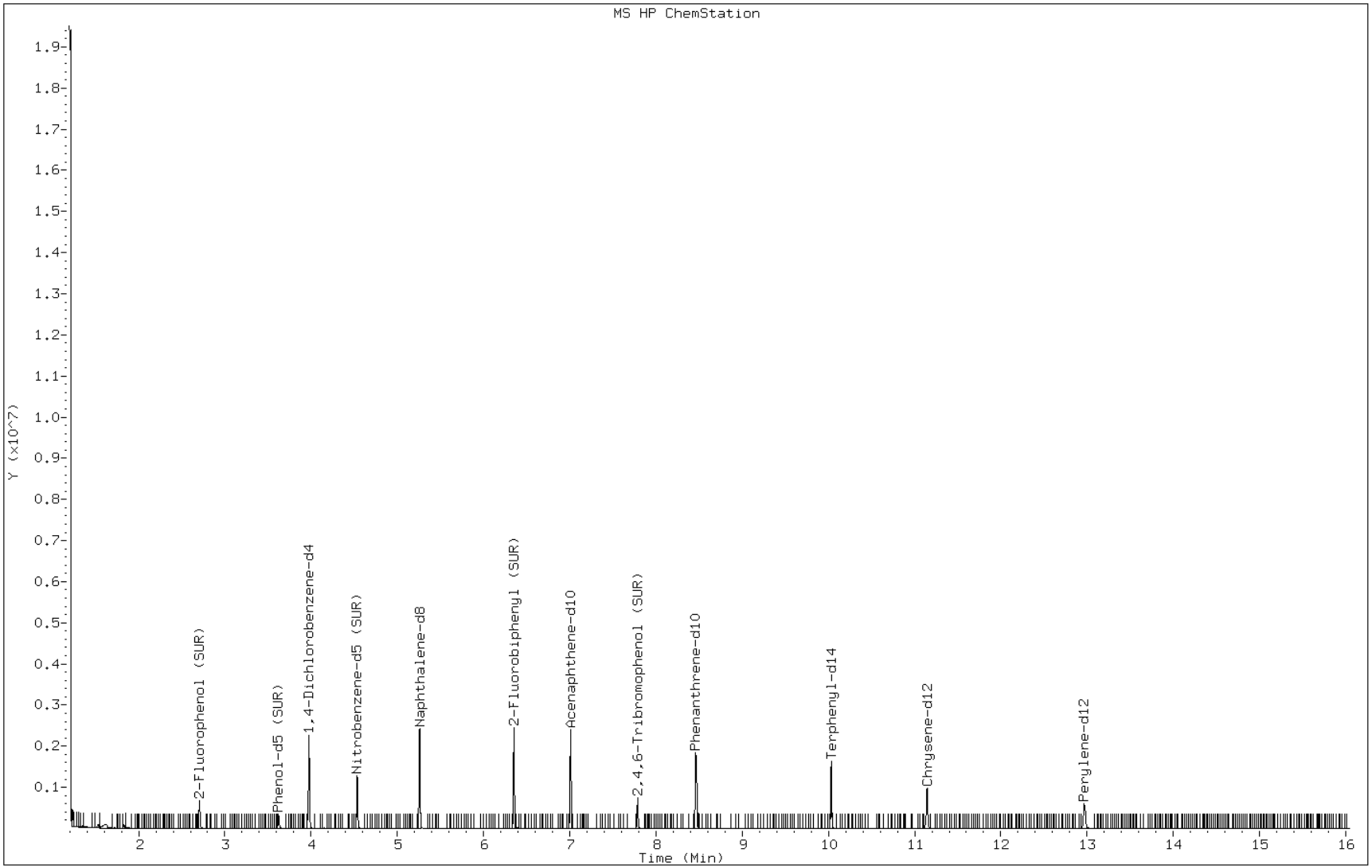
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	2.704	2.704	(0.680)	195556	18.2322	36
$ 17 Phenol-d5 (SUR)	99	3.622	3.640	(0.911)	138182	10.7178	21
* 79 1,4-Dichlorobenzene-d4	152	3.975	3.975	(1.000)	318954	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	4.534	4.545	(0.861)	435416	39.7677	80
* 80 Naphthalene-d8	136	5.263	5.263	(1.000)	1138834	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	6.351	6.357	(0.906)	684449	37.5801	75
* 82 Acenaphthene-d10	164	7.010	7.016	(1.000)	517458	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	7.786	7.798	(1.111)	78078	35.2827	70
* 83 Phenanthrene-d10	188	8.463	8.475	(1.000)	682948	40.0000	
$ 78 Terphenyl-d14	244	10.033	10.039	(0.900)	488124	37.5669	75
* 81 Chrysene-d12	240	11.145	11.157	(1.000)	424432	40.0000	
* 84 Perylene-d12	264	12.968	12.986	(1.000)	318426	40.0000	

Data File: z18185.d

Date: 10-FEB-2013 07:25

Client ID: Instrument: BNAMS11.i

Sample Info: MB 460-146378/1-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-146006/2-A

Matrix: Water | Lab File ID: z18129.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 08:50

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146614 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	33.6		10	0.81
95-57-8	2-Chlorophenol	84.2		10	2.2
95-48-7	2-Methylphenol	68.4		10	1.8
106-44-5	4-Methylphenol	60.8		10	1.6
100-52-7	Benzaldehyde	171		10	2.0
98-86-2	Acetophenone	90.0		10	2.7
111-44-4	Bis(2-chloroethyl)ether	95.5		1.0	0.28
108-60-1	2,2'-oxybis[1-chloropropane]	106		10	2.0
621-64-7	N-Nitrosodi-n-propylamine	99.8		1.0	0.25
98-95-3	Nitrobenzene	89.6		1.0	0.30
67-72-1	Hexachloroethane	84.3		1.0	0.25
78-59-1	Isophorone	89.3		10	2.7
88-75-5	2-Nitrophenol	94.4		10	2.4
105-67-9	2,4-Dimethylphenol	79.4		10	3.4
120-83-2	2,4-Dichlorophenol	87.0		10	2.6
111-91-1	Bis(2-chloroethoxy)methane	97.3		10	2.6
91-20-3	Naphthalene	86.6		10	2.7
106-47-8	4-Chloroaniline	78.8		10	2.0
87-68-3	Hexachlorobutadiene	78.4		2.0	0.57
105-60-2	Caprolactam	20.6		10	2.5
59-50-7	4-Chloro-3-methylphenol	76.4		10	2.5
91-57-6	2-Methylnaphthalene	85.0		10	3.0
118-74-1	Hexachlorobenzene	95.4		1.0	0.29
77-47-4	Hexachlorocyclopentadiene	55.7		10	1.7
88-06-2	2,4,6-Trichlorophenol	90.2		10	2.4
95-95-4	2,4,5-Trichlorophenol	85.0		10	2.6
92-52-4	Diphenyl	89.4		10	2.8
91-58-7	2-Chloronaphthalene	90.8		10	2.7
88-74-4	2-Nitroaniline	85.4		20	4.9
606-20-2	2,6-Dinitrotoluene	89.2		2.0	0.61
131-11-3	Dimethyl phthalate	93.8		10	2.8
208-96-8	Acenaphthylene	88.4		10	2.7
99-09-2	3-Nitroaniline	79.1		20	5.0
83-32-9	Acenaphthene	90.4		10	2.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-146006/2-A

Matrix: Water | Lab File ID: z18129.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 08:50

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146614 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	17.0	J	30	6.7
51-28-5	2,4-Dinitrophenol	48.7		30	5.4
132-64-9	Dibenzofuran	87.1		10	2.8
84-66-2	Diethyl phthalate	90.6		10	2.9
86-73-7	Fluorene	85.2		10	2.8
206-44-0	Fluoranthene	84.0		10	3.2
84-74-2	Di-n-butyl phthalate	96.9		10	2.9
121-14-2	2,4-Dinitrotoluene	81.9		2.0	0.47
7005-72-3	4-Chlorophenyl phenyl ether	86.8		10	2.5
100-01-6	4-Nitroaniline	69.3		20	5.8
534-52-1	4,6-Dinitro-2-methylphenol	81.9		30	4.7
101-55-3	4-Bromophenyl phenyl ether	98.2		10	2.5
1912-24-9	Atrazine	69.3		10	3.0
120-12-7	Anthracene	89.5		10	2.8
86-74-8	Carbazole	81.4		10	3.2
85-01-8	Phenanthrene	90.3		10	3.1
87-86-5	Pentachlorophenol	70.0		30	5.3
129-00-0	Pyrene	88.8		10	2.9
218-01-9	Chrysene	95.0		10	3.1
207-08-9	Benzo[k]fluoranthene	89.6		1.0	0.26
191-24-2	Benzo[g,h,i]perylene	114		10	2.0
205-99-2	Benzo[b]fluoranthene	80.2		1.0	0.26
50-32-8	Benzo[a]pyrene	89.8		1.0	0.14
56-55-3	Benzo[a]anthracene	88.2		1.0	0.27
86-30-6	N-Nitrosodiphenylamine	101		10	2.9
85-68-7	Butyl benzyl phthalate	95.7		10	2.5
117-81-7	Bis(2-ethylhexyl) phthalate	98.6		10	2.0
117-84-0	Di-n-octyl phthalate	76.1		10	1.5
193-39-5	Indeno[1,2,3-cd]pyrene	91.5		1.0	0.15
53-70-3	Dibenz(a,h)anthracene	105		1.0	0.090
91-94-1	3,3'-Dichlorobenzidine	114		20	4.9
95-94-3	1,2,4,5-Tetrachlorobenzene	81.3		10	2.6
58-90-2	2,3,4,6-Tetrachlorophenol	76.7		10	2.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-146006/2-A

Matrix: Water Lab File ID: z18129.d

Analysis Method: 8270C Date Collected:

Extract. Method: 3510C Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) Date Analyzed: 02/08/2013 08:50

Con. Extract Vol.: 2(mL) Dilution Factor: 1

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

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

Analysis Batch No.: 146614 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	89		56-112
4165-62-2	Phenol-d5	28		10-48
1718-51-0	Terphenyl-d14	85		50-122
118-79-6	2,4,6-Tribromophenol	73		46-122
367-12-4	2-Fluorophenol	47		10-65
321-60-8	2-Fluorobiphenyl	85		53-108

Data File: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18129.d
Report Date: 08-Feb-2013 11:57

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18129.d
Lab Smp Id: LCS 460-146006/2-A
Inj Date : 08-FEB-2013 08:50
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : LCS 460-146006/2-A
Misc Info : LCS 460-146006/2-A
Comment :
Method : /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/8270C_11.m
Meth Date : 08-Feb-2013 00:44 asfawa Quant Type: ISTD
Cal Date : 01-FEB-2013 05:31 Cal File: z16837.d
Als bottle: 23 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-h20.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
106 1,4-Dioxane	88	1.434	1.428	(0.357)	137482	27.1576	54
19 N-Nitrosodimethylamine	74	1.646	1.646	(0.410)	195834	28.3588	57
71 Pyridine	79	1.675	1.669	(0.417)	250952	20.1421	40
$ 16 2-Fluorophenol (SUR)	112	2.751	2.751	(0.685)	277513	23.7168	47
110 Benzaldehyde	77	3.575	3.575	(0.890)	452809	85.4108	170(R)
$ 17 Phenol-d5 (SUR)	99	3.669	3.681	(0.914)	199926	14.2144	28
1 Phenol	94	3.681	3.692	(0.917)	256774	16.7936	34
73 Aniline	93	3.687	3.692	(0.918)	475168	28.1099	56
20 bis(2-Chloroethyl)ether	93	3.751	3.763	(0.934)	565061	47.7599	96
2 2-Chlorophenol	128	3.810	3.816	(0.949)	509016	42.0961	84
113 n-decane	43	3.869	3.869	(0.963)	476357	44.3945	89
21 1,3-Dichlorobenzene	146	3.963	3.963	(0.987)	589356	41.7570	84
* 79 1,4-Dichlorobenzene-d4	152	4.016	4.022	(1.000)	347955	40.0000	
22 1,4-Dichlorobenzene	146	4.034	4.040	(1.004)	585544	41.6468	83
74 Benzyl Alcohol	108	4.163	4.169	(1.037)	258276	36.8731	74

Data File: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18129.d
Report Date: 08-Feb-2013 11:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	23 1,2-Dichlorobenzene	146	4.187	4.192	(1.042)	554161	42.3005	85
	3 2-Methylphenol	108	4.293	4.298	(1.069)	341884	34.1838	68
	24 bis (2-chloroisopropyl) ether	45	4.304	4.304	(1.072)	616808	53.1104	110
	4 4-Methylphenol	108	4.451	4.457	(1.108)	314859	30.4242	61
	123 3 & 4 Methylphenol	108	4.451	4.457	(1.108)	313181	30.3482	61
	104 Acetophenone	105	4.428	4.439	(1.103)	674493	44.9903	90
	25 N-Nitroso-di-n-propylamine	70	4.440	4.445	(1.105)	364129	49.8971	100
	26 Hexachloroethane	117	4.528	4.528	(1.127)	220253	42.1464	84
$	76 Nitrobenzene-d5 (SUR)	82	4.581	4.587	(0.864)	515287	44.3945	89
	27 Nitrobenzene	77	4.604	4.610	(0.868)	686326	44.8180	90
	107 N,N-Dimethylaniline	120	4.610	4.610	(1.148)	629315	37.9123	76
	28 Isophorone	82	4.845	4.851	(0.914)	784357	44.6358	89
	5 2-Nitrophenol	139	4.922	4.928	(0.928)	268843	47.1842	94
	6 2,4-Dimethylphenol	122	4.987	4.987	(0.940)	358246	39.6798	79
	29 bis(2-Chloroethoxy)methane	93	5.075	5.075	(0.957)	568958	48.6743	97
	15 Benzoic Acid	122	5.081	5.145	(0.958)	30939	6.45574	13(H)
	7 2,4-Dichlorophenol	162	5.175	5.175	(0.976)	345007	43.4899	87
	30 1,2,4-Trichlorobenzene	180	5.251	5.251	(0.990)	401070	41.8129	84
*	80 Naphthalene-d8	136	5.304	5.304	(1.000)	1207275	40.0000	
	31 Naphthalene	128	5.328	5.328	(1.004)	1353733	43.2891	86
	32 4-Chloroaniline	127	5.387	5.392	(1.016)	422730	39.4170	79
	33 Hexachlorobutadiene	225	5.463	5.463	(1.030)	209119	39.2146	78
	111 Caprolactam	113	5.734	5.775	(1.081)	23292	10.2895	20
	8 4-Chloro-3-methylphenol	107	5.898	5.904	(1.112)	297715	38.1989	76
	34 2-Methylnaphthalene	142	6.022	6.022	(1.135)	808156	42.4904	85
	120 1-Methylnaphthalene	142	6.116	6.122	(1.153)	748622	38.0110	76
	35 Hexachlorocyclopentadiene	237	6.187	6.192	(0.877)	120545	27.8451	56
	129 1,2,4,5-Tetrachlorobenzene	216	6.192	6.198	(0.878)	326196	40.6457	81
	9 2,4,6-Trichlorophenol	196	6.310	6.316	(0.895)	214936	45.0822	90
	10 2,4,5-Trichlorophenol	196	6.351	6.357	(0.901)	207335	42.5060	85
$	77 2-Fluorobiphenyl (SUR)	172	6.392	6.392	(0.907)	784094	42.7499	85
	102 Diphenyl	154	6.487	6.492	(0.920)	926859	44.7077	89
	36 2-Chloronaphthalene	162	6.504	6.504	(0.922)	703058	45.3871	91
	103 Diphenyl Ether	170	6.592	6.598	(0.935)	495759	45.1000	90
	37 2-Nitroaniline	65	6.616	6.616	(0.938)	191409	42.6793	85
	38 Dimethylphthalate	163	6.804	6.804	(0.965)	696245	46.9048	94
	40 2,6-Dinitrotoluene	165	6.857	6.857	(0.972)	157844	44.5815	89
	39 Acenaphthylene	152	6.910	6.916	(0.980)	1036988	44.2095	88
	41 3-Nitroaniline	138	7.022	7.022	(0.996)	139079	39.5645	79
*	82 Acenaphthene-d10	164	7.051	7.057	(1.000)	521104	40.0000	
	42 Acenaphthene	154	7.086	7.086	(1.005)	628176	45.1826	90
	11 2,4-Dinitrophenol	184	7.122	7.128	(1.010)	41726	24.3727	49
	12 4-Nitrophenol	65	7.210	7.210	(1.023)	19191	8.47530	17(a)
	44 2,4-Dinitrotoluene	165	7.251	7.251	(1.028)	175332	40.9311	82
	43 Dibenzofuran	168	7.251	7.257	(1.028)	857720	43.5727	87
	130 2,3,4,6-Tetrachlorophenol	232	7.386	7.386	(1.048)	124310	38.3632	77
	45 Diethylphthalate	149	7.492	7.498	(1.063)	632862	45.2945	90

Data File: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18129.d
Report Date: 08-Feb-2013 11:57

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
	46	4-Chlorophenyl-phenylether	204	7.592	7.598	(1.077)	316512	43.4126	87
	47	Fluorene	166	7.592	7.592	(1.077)	667020	42.5882	85
	48	4-Nitroaniline	138	7.622	7.628	(1.081)	108805	34.6635	69
	13	4,6-Dinitro-2-methylphenol	198	7.651	7.657	(0.900)	79139	40.9488	82
	49	N-Nitrosodiphenylamine	169	7.716	7.716	(0.907)	444007	50.5470	100
	75	1,2-Diphenylhydrazine	77	7.751	7.751	(0.911)	692735	45.0411	90
$	18	2,4,6-Tribromophenol (SUR)	330	7.828	7.833	(1.110)	81467	36.5566	73
	50	4-Bromophenyl-phenylether	248	8.069	8.075	(0.949)	175553	49.1205	98
	51	Hexachlorobenzene	284	8.139	8.139	(0.957)	182791	47.7233	95
	112	Atrazine	200	8.245	8.251	(0.970)	102407	34.6744	69
	14	Pentachlorophenol	266	8.333	8.333	(0.980)	68540	35.0186	70
	115	n-Octadecane	57	8.422	8.427	(0.990)	426100	57.1601	110
*	83	Phenanthrene-d10	188	8.504	8.510	(1.000)	590056	40.0000	
	52	Phenanthrene	178	8.528	8.533	(1.003)	754565	45.1573	90
	53	Anthracene	178	8.575	8.580	(1.008)	755523	44.7330	89
	54	Carbazole	167	8.739	8.745	(1.028)	555683	40.7024	81
	55	Di-n-butylphthalate	149	9.092	9.092	(1.069)	816529	48.4379	97
	56	Fluoranthene	202	9.686	9.692	(1.139)	612000	42.0205	84
	58	Benzidine	184	9.822	9.827	(1.155)	34036	10.6539	21
	57	Pyrene	202	9.910	9.910	(0.885)	592492	44.4223	89
$	78	Terphenyl-d14	244	10.069	10.069	(0.900)	389772	42.3606	85
	59	Butylbenzylphthalate	149	10.574	10.574	(0.945)	243376	47.8724	96
	60	3,3'-Dichlorobenzidine	252	11.157	11.163	(0.997)	128801	56.8448	110
	61	Benzo(a)anthracene	228	11.180	11.180	(0.999)	398534	44.0753	88
*	81	Chrysene-d12	240	11.192	11.192	(1.000)	300561	40.0000	
	63	bis(2-Ethylhexyl)phthalate	149	11.239	11.239	(1.004)	332997	49.2848	98
	62	Chrysene	228	11.222	11.221	(1.003)	396272	47.5199	95
	64	Di-n-octylphthalate	149	12.051	12.057	(0.925)	439506	38.0619	76
	65	Benzo(b)fluoranthene	252	12.521	12.527	(0.962)	312995	40.1008	80
	66	Benzo(k)fluoranthene	252	12.557	12.562	(0.964)	381392	44.8122	90
	67	Benzo(a)pyrene	252	12.951	12.951	(0.995)	277592	44.8858	90
*	84	Perylene-d12	264	13.021	13.027	(1.000)	249263	40.0000	
	68	Indeno(1,2,3-cd)pyrene	276	14.445	14.445	(1.109)	232720	45.7414	91(M)
	69	Dibenz(a,h)anthracene	278	14.480	14.480	(1.112)	276724	52.4549	100
	70	Benzo(g,h,i)perylene	276	14.821	14.815	(1.138)	295112	57.0717	110

QC Flag Legend

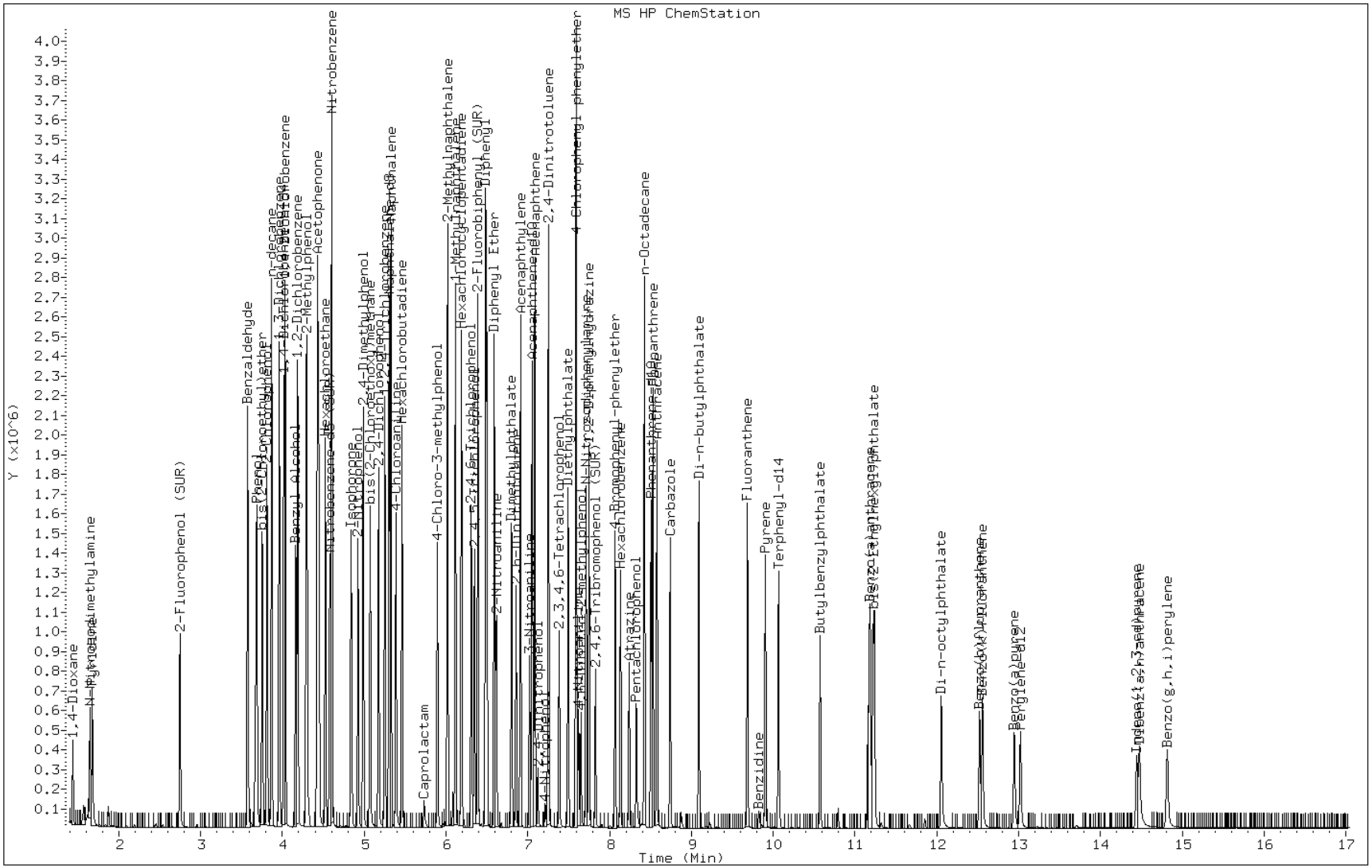
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: z18129.d

Date: 08-FEB-2013 08:50

Client ID: Instrument: BNAMS11.i

Sample Info: LCS 460-146006/2-A Operator: BNAMS 4



Manual Integration Report

Data File: z18129.d
Inj. Date and Time: 08-FEB-2013 08:50
Instrument ID: BNAMS11.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/08/2013

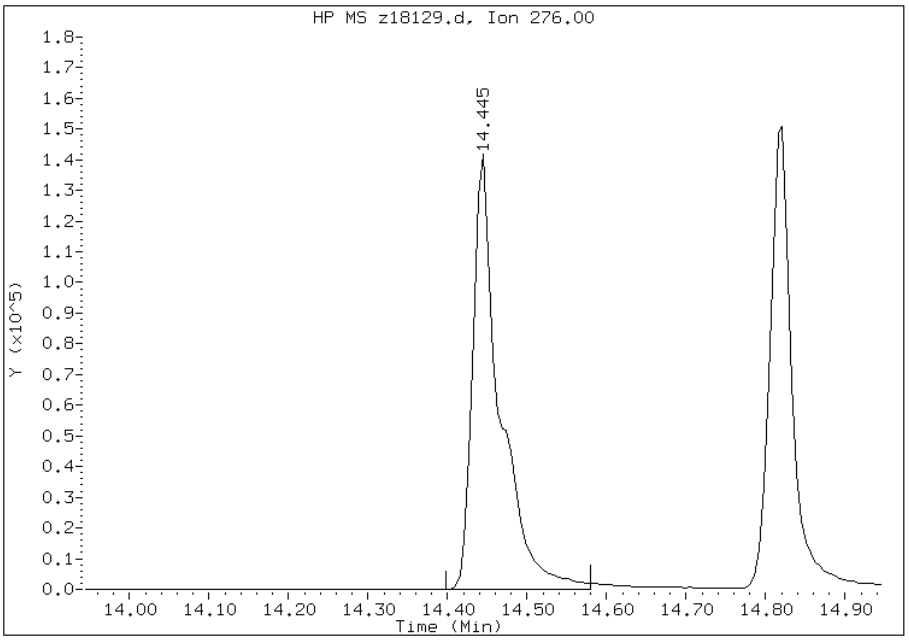
Processing Integration Results

RT: 14.44

Response: 334330

Amount: 66

Conc: 131



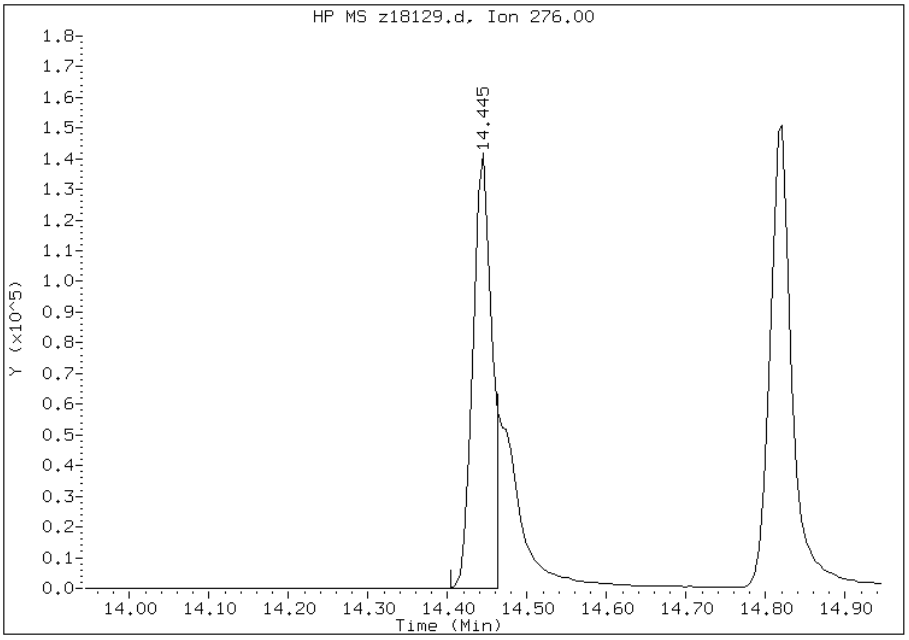
Manual Integration Results

RT: 14.44

Response: 232720

Amount: 46

Conc: 91



Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-146378/2-A

Matrix: Water | Lab File ID: z18186.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/07/2013 11:33

Sample wt/vol: 1000(mL) | Date Analyzed: 02/10/2013 07:47

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146806 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	22.8		10	0.81
95-57-8	2-Chlorophenol	68.7		10	2.2
95-48-7	2-Methylphenol	54.6		10	1.8
106-44-5	4-Methylphenol	46.8		10	1.6
100-52-7	Benzaldehyde	126		10	2.0
98-86-2	Acetophenone	72.0		10	2.7
111-44-4	Bis(2-chloroethyl)ether	78.3		1.0	0.28
108-60-1	2,2'-oxybis[1-chloropropane]	84.1		10	2.0
621-64-7	N-Nitrosodi-n-propylamine	79.2		1.0	0.25
98-95-3	Nitrobenzene	71.2		1.0	0.30
67-72-1	Hexachloroethane	70.9		1.0	0.25
78-59-1	Isophorone	73.5		10	2.7
88-75-5	2-Nitrophenol	75.3		10	2.4
105-67-9	2,4-Dimethylphenol	68.3		10	3.4
120-83-2	2,4-Dichlorophenol	75.0		10	2.6
111-91-1	Bis(2-chloroethoxy)methane	76.2		10	2.6
91-20-3	Naphthalene	70.4		10	2.7
106-47-8	4-Chloroaniline	67.0		10	2.0
87-68-3	Hexachlorobutadiene	65.9		2.0	0.57
105-60-2	Caprolactam	11.8		10	2.5
59-50-7	4-Chloro-3-methylphenol	69.8		10	2.5
91-57-6	2-Methylnaphthalene	70.4		10	3.0
118-74-1	Hexachlorobenzene	71.1		1.0	0.29
77-47-4	Hexachlorocyclopentadiene	54.0		10	1.7
88-06-2	2,4,6-Trichlorophenol	73.8		10	2.4
95-95-4	2,4,5-Trichlorophenol	76.4		10	2.6
92-52-4	Diphenyl	68.7		10	2.8
91-58-7	2-Chloronaphthalene	71.2		10	2.7
88-74-4	2-Nitroaniline	70.2		20	4.9
606-20-2	2,6-Dinitrotoluene	74.6		2.0	0.61
131-11-3	Dimethyl phthalate	76.3		10	2.8
208-96-8	Acenaphthylene	72.0		10	2.7
99-09-2	3-Nitroaniline	72.5		20	5.0
83-32-9	Acenaphthene	72.0		10	2.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-146378/2-A

Matrix: Water | Lab File ID: z18186.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/07/2013 11:33

Sample wt/vol: 1000(mL) | Date Analyzed: 02/10/2013 07:47

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146806 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	16.9	J	30	6.7
51-28-5	2,4-Dinitrophenol	47.3		30	5.4
132-64-9	Dibenzofuran	70.1		10	2.8
84-66-2	Diethyl phthalate	77.0		10	2.9
86-73-7	Fluorene	71.5		10	2.8
206-44-0	Fluoranthene	72.0		10	3.2
84-74-2	Di-n-butyl phthalate	77.1		10	2.9
121-14-2	2,4-Dinitrotoluene	72.1		2.0	0.47
7005-72-3	4-Chlorophenyl phenyl ether	72.3		10	2.5
100-01-6	4-Nitroaniline	70.5		20	5.8
534-52-1	4,6-Dinitro-2-methylphenol	69.0		30	4.7
101-55-3	4-Bromophenyl phenyl ether	73.5		10	2.5
1912-24-9	Atrazine	64.3		10	3.0
120-12-7	Anthracene	71.9		10	2.8
86-74-8	Carbazole	73.5		10	3.2
85-01-8	Phenanthrene	72.4		10	3.1
87-86-5	Pentachlorophenol	69.6		30	5.3
129-00-0	Pyrene	71.1		10	2.9
218-01-9	Chrysene	77.6		10	3.1
207-08-9	Benzo[k]fluoranthene	66.7		1.0	0.26
191-24-2	Benzo[g,h,i]perylene	85.1		10	2.0
205-99-2	Benzo[b]fluoranthene	69.4		1.0	0.26
50-32-8	Benzo[a]pyrene	73.5		1.0	0.14
56-55-3	Benzo[a]anthracene	71.9		1.0	0.27
86-30-6	N-Nitrosodiphenylamine	78.3		10	2.9
85-68-7	Butyl benzyl phthalate	76.1		10	2.5
117-81-7	Bis(2-ethylhexyl) phthalate	74.6		10	2.0
117-84-0	Di-n-octyl phthalate	60.8		10	1.5
193-39-5	Indeno[1,2,3-cd]pyrene	76.8		1.0	0.15
53-70-3	Dibenz(a,h)anthracene	80.4		1.0	0.090
91-94-1	3,3'-Dichlorobenzidine	89.1		20	4.9
95-94-3	1,2,4,5-Tetrachlorobenzene	62.2		10	2.6
58-90-2	2,3,4,6-Tetrachlorophenol	70.2		10	2.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-146378/2-A

Matrix: Water | Lab File ID: z18186.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/07/2013 11:33

Sample wt/vol: 1000(mL) | Date Analyzed: 02/10/2013 07:47

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146806 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	71		56-112
4165-62-2	Phenol-d5	19		10-48
1718-51-0	Terphenyl-d14	69		50-122
118-79-6	2,4,6-Tribromophenol	70		46-122
367-12-4	2-Fluorophenol	33		10-65
321-60-8	2-Fluorobiphenyl	67		53-108

Data File: /chem/BNAMS11.i/8270/02-01-13/09feb13.b/z18186.d
Report Date: 10-Feb-2013 21:09

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/02-01-13/09feb13.b/z18186.d
Lab Smp Id: LCS 460-146378/2-A
Inj Date : 10-FEB-2013 07:47
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : LCS 460-146378/2-A
Misc Info :
Comment :
Method : /chem/BNAMS11.i/8270/02-01-13/09feb13.b/8270C_11.m
Meth Date : 10-Feb-2013 01:18 wahied Quant Type: ISTD
Cal Date : 01-FEB-2013 05:31 Cal File: z16837.d
Als bottle: 21 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-h20.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
106	1,4-Dioxane	88	1.399	1.381	(0.352)	74786	14.9154	30
19	N-Nitrosodimethylamine	74	1.604	1.599	(0.404)	105802	15.4691	31
71	Pyridine	79	1.634	1.622	(0.411)	150308	12.1805	24
$ 16	2-Fluorophenol (SUR)	112	2.710	2.704	(0.682)	192969	16.6506	33
110	Benzaldehyde	77	3.534	3.534	(0.889)	332045	63.2360	130(R)
$ 17	Phenol-d5 (SUR)	99	3.628	3.640	(0.913)	132341	9.50002	19
1	Phenol	94	3.645	3.651	(0.917)	172625	11.3990	23(R)
73	Aniline	93	3.645	3.645	(0.917)	345399	20.6302	41
20	bis(2-Chloroethyl)ether	93	3.710	3.716	(0.933)	447813	39.1467	78(R)
2	2-Chlorophenol	128	3.769	3.775	(0.948)	411650	34.3723	69
113	n-decane	43	3.828	3.828	(0.963)	393654	37.0409	74
21	1,3-Dichlorobenzene	146	3.922	3.922	(0.987)	489607	35.0243	70(R)
* 79	1,4-Dichlorobenzene-d4	152	3.975	3.975	(1.000)	344630	40.0000	
22	1,4-Dichlorobenzene	146	3.993	3.992	(1.004)	487156	34.9832	70(R)
74	Benzyl Alcohol	108	4.122	4.128	(1.037)	166140	23.9480	48

Data File: /chem/BNAMS11.i/8270/02-01-13/09feb13.b/z18186.d
Report Date: 10-Feb-2013 21:09

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/L)
	==========	====	==	======	======	========	=======	=======
23	1,2-Dichlorobenzene	146	4.145	4.145	(1.043)	456640	35.1927	70(R)
3	2-Methylphenol	108	4.257	4.257	(1.071)	270329	27.2900	54
24	bis (2-chloroisopropyl) ether	45	4.263	4.263	(1.073)	483674	42.0487	84(R)
4	4-Methylphenol	108	4.410	4.416	(1.109)	239683	23.3835	47(R)
123	3 & 4 Methylphenol	108	4.410	4.416	(1.109)	240834	23.5628	47
104	Acetophenone	105	4.387	4.392	(1.104)	534258	35.9801	72(R)
25	N-Nitroso-di-n-propylamine	70	4.398	4.404	(1.107)	286144	39.5890	79(R)
26	Hexachloroethane	117	4.487	4.487	(1.129)	183529	35.4579	71(R)
$ 76	Nitrobenzene-d5 (SUR)	82	4.540	4.545	(0.863)	414666	35.2593	70
27	Nitrobenzene	77	4.563	4.563	(0.867)	552384	35.6007	71(R)
107	N,N-Dimethylaniline	120	4.569	4.569	(1.149)	545232	33.1638	66(R)
28	Isophorone	82	4.804	4.804	(0.913)	653881	36.7252	73(R)
5	2-Nitrophenol	139	4.881	4.887	(0.927)	217366	37.6517	75
6	2,4-Dimethylphenol	122	4.951	4.951	(0.941)	312422	34.1527	68
29	bis(2-Chloroethoxy)methane	93	5.034	5.034	(0.956)	451035	38.0825	76(R)
15	Benzoic Acid	122	5.045	5.098	(0.959)	40747	8.39133	17(H)
7	2,4-Dichlorophenol	162	5.134	5.139	(0.975)	301587	37.5205	75
30	1,2,4-Trichlorobenzene	180	5.210	5.210	(0.990)	336782	34.6524	69(R)
* 80	Naphthalene-d8	136	5.263	5.263	(1.000)	1223238	40.0000	
31	Naphthalene	128	5.287	5.287	(1.004)	1115411	35.2027	70(R)
32	4-Chloroaniline	127	5.351	5.351	(1.017)	363782	33.4778	67(R)
33	Hexachlorobutadiene	225	5.422	5.422	(1.030)	177962	32.9365	66(R)
111	Caprolactam	113	5.704	5.734	(1.084)	13572	5.91736	12
8	4-Chloro-3-methylphenol	107	5.857	5.869	(1.113)	275517	34.8894	70
34	2-Methylnaphthalene	142	5.981	5.981	(1.136)	678454	35.2055	70(R)
120	1-Methylnaphthalene	142	6.081	6.081	(1.155)	626721	31.4063	63
35	Hexachlorocyclopentadiene	237	6.151	6.151	(0.877)	127682	27.0249	54(R)
129	1,2,4,5-Tetrachlorobenzene	216	6.157	6.157	(0.878)	272579	31.1217	62
9	2,4,6-Trichlorophenol	196	6.275	6.281	(0.894)	191970	36.8947	74
10	2,4,5-Trichlorophenol	196	6.310	6.322	(0.899)	203291	38.1882	76
$ 77	2-Fluorobiphenyl (SUR)	172	6.357	6.357	(0.906)	674239	33.6834	67
102	Diphenyl	154	6.451	6.451	(0.920)	777492	34.3636	69(R)
36	2-Chloronaphthalene	162	6.463	6.469	(0.921)	601496	35.5802	71(R)
103	Diphenyl Ether	170	6.557	6.557	(0.935)	429021	35.7618	72
37	2-Nitroaniline	65	6.575	6.581	(0.937)	171747	35.0896	70(R)
38	Dimethylphthalate	163	6.763	6.769	(0.964)	618066	38.1526	76(R)
40	2,6-Dinitrotoluene	165	6.822	6.822	(0.972)	144187	37.3153	75(R)
39	Acenaphthylene	152	6.869	6.875	(0.979)	921084	35.9812	72(R)
41	3-Nitroaniline	138	6.986	6.986	(0.996)	139140	36.2685	72(R)
* 82	Acenaphthene-d10	164	7.016	7.016	(1.000)	568709	40.0000	
42	Acenaphthene	154	7.045	7.051	(1.004)	546298	36.0042	72(R)
11	2,4-Dinitrophenol	184	7.086	7.092	(1.010)	44144	23.6479	47
12	4-Nitrophenol	65	7.181	7.181	(1.023)	20844	8.43476	17(aR)
44	2,4-Dinitrotoluene	165	7.216	7.216	(1.028)	168538	36.0516	72(R)
43	Dibenzofuran	168	7.216	7.222	(1.028)	752935	35.0478	70(R)
130	2,3,4,6-Tetrachlorophenol	232	7.345	7.351	(1.047)	124142	35.1044	70(R)
45	Diethylphthalate	149	7.463	7.469	(1.064)	587028	38.4972	77(R)

Data File: /chem/BNAMS11.i/8270/02-01-13/09feb13.b/z18186.d
Report Date: 10-Feb-2013 21:09

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	46 4-Chlorophenyl-phenylether	204	7.557	7.563	(1.077)	287698	36.1574	72(R)
	47 Fluorene	166	7.551	7.557	(1.076)	610952	35.7431	71(R)
	48 4-Nitroaniline	138	7.586	7.598	(1.081)	120768	35.2541	70(R)
	13 4,6-Dinitro-2-methylphenol	198	7.616	7.622	(0.899)	82125	34.4940	69
	49 N-Nitrosodiphenylamine	169	7.681	7.680	(0.907)	423455	39.1319	78(R)
	75 1,2-Diphenylhydrazine	77	7.716	7.716	(0.911)	618061	32.6205	65(R)
$	18 2,4,6-Tribromophenol (SUR)	330	7.792	7.798	(1.111)	85568	35.1827	70
	50 4-Bromophenyl-phenylether	248	8.033	8.039	(0.949)	161884	36.7685	74(R)
	51 Hexachlorobenzene	284	8.098	8.104	(0.956)	167636	35.5271	71(R)
	112 Atrazine	200	8.210	8.216	(0.969)	117058	32.1734	64(R)
	14 Pentachlorophenol	266	8.298	8.304	(0.980)	83885	34.7902	70
	115 n-Octadecane	57	8.386	8.392	(0.990)	357465	38.9253	78
*	83 Phenanthrene-d10	188	8.469	8.475	(1.000)	726902	40.0000	
	52 Phenanthrene	178	8.492	8.498	(1.003)	745691	36.2249	72(R)
	53 Anthracene	178	8.539	8.545	(1.008)	748133	35.9564	72(R)
	54 Carbazole	167	8.704	8.710	(1.028)	618478	36.7735	74(R)
	55 Di-n-butylphthalate	149	9.057	9.063	(1.069)	800927	38.5677	77(R)
	56 Fluoranthene	202	9.651	9.657	(1.140)	646251	36.0187	72(R)
	58 Benzidine	184	9.786	9.798	(1.156)	78365	19.9118	40(R)
	57 Pyrene	202	9.869	9.874	(0.885)	635945	35.5252	71(R)
$	78 Terphenyl-d14	244	10.033	10.039	(0.900)	426051	34.4993	69
	59 Butylbenzylphthalate	149	10.533	10.545	(0.945)	259526	38.0352	76(R)
	60 3,3'-Dichlorobenzidine	252	11.116	11.127	(0.997)	143735	44.5658	89(R)
	61 Benzo(a)anthracene	228	11.133	11.145	(0.999)	436308	35.9518	72(R)
*	81 Chrysene-d12	240	11.145	11.157	(1.000)	403399	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.198	11.210	(1.005)	338173	37.2914	74(R)
	62 Chrysene	228	11.180	11.186	(1.003)	434273	38.8010	78(R)
	64 Di-n-octylphthalate	149	12.010	12.027	(0.926)	458294	30.4130	61(R)
	65 Benzo(b)fluoranthene	252	12.474	12.486	(0.961)	353561	34.7112	69(R)
	66 Benzo(k)fluoranthene	252	12.510	12.521	(0.964)	370570	33.3645	67(R)
	67 Benzo(a)pyrene	252	12.898	12.910	(0.994)	296776	36.7723	74(R)
*	84 Perylene-d12	264	12.974	12.986	(1.000)	325288	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	14.386	14.398	(1.109)	254985	38.4042	77(R)
	69 Dibenz(a,h)anthracene	278	14.415	14.439	(1.111)	276653	40.1851	80(R)
	70 Benzo(g,h,i)perylene	276	14.751	14.774	(1.137)	286968	42.5262	85(R)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: z18186.d

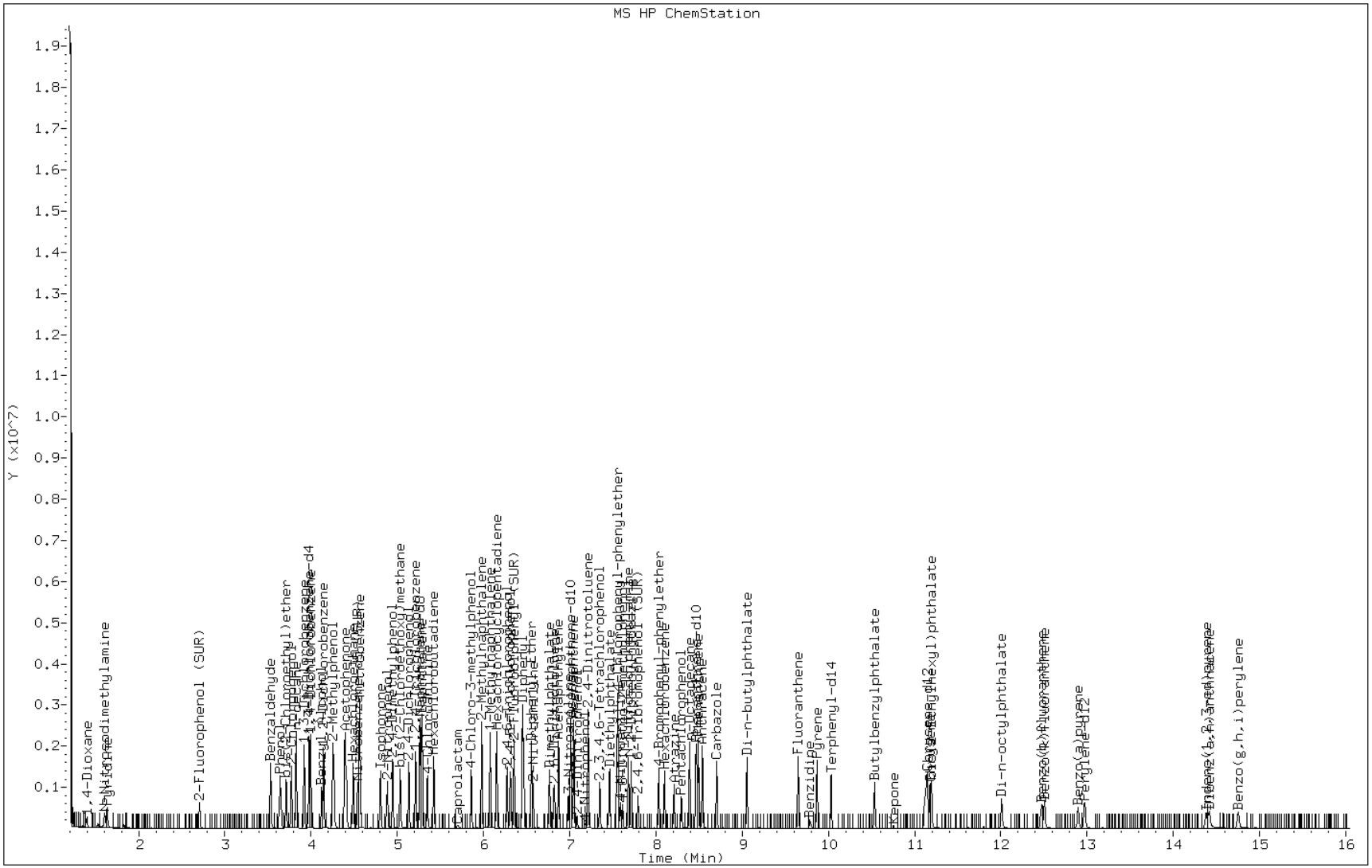
Date: 10-FEB-2013 07:47

Client ID:

Instrument: BNAMS11.i

Sample Info: LCS 460-146378/2-A

Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-1 MS | Lab Sample ID: 460-50248-2 MS

Matrix: Water | Lab File ID: z18131.d

Analysis Method: 8270C | Date Collected: 01/31/2013 10:00

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 09:36

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146614 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	31.5		10	0.81
95-57-8	2-Chlorophenol	85.1		10	2.2
95-48-7	2-Methylphenol	68.0		10	1.8
106-44-5	4-Methylphenol	59.5		10	1.6
100-52-7	Benzaldehyde	169		10	2.0
98-86-2	Acetophenone	93.0		10	2.7
111-44-4	Bis(2-chloroethyl)ether	97.1		1.0	0.28
108-60-1	2,2'-oxybis[1-chloropropane]	110		10	2.0
621-64-7	N-Nitrosodi-n-propylamine	103		1.0	0.25
98-95-3	Nitrobenzene	93.2		1.0	0.30
67-72-1	Hexachloroethane	89.7		1.0	0.25
78-59-1	Isophorone	92.9		10	2.7
88-75-5	2-Nitrophenol	98.3		10	2.4
105-67-9	2,4-Dimethylphenol	88.8		10	3.4
120-83-2	2,4-Dichlorophenol	89.8		10	2.6
111-91-1	Bis(2-chloroethoxy)methane	103		10	2.6
91-20-3	Naphthalene	91.2		10	2.7
106-47-8	4-Chloroaniline	79.6		10	2.0
87-68-3	Hexachlorobutadiene	84.1		2.0	0.57
105-60-2	Caprolactam	18.8		10	2.5
59-50-7	4-Chloro-3-methylphenol	79.7		10	2.5
91-57-6	2-Methylnaphthalene	90.7		10	3.0
118-74-1	Hexachlorobenzene	100		1.0	0.29
77-47-4	Hexachlorocyclopentadiene	60.1		10	1.7
88-06-2	2,4,6-Trichlorophenol	94.0		10	2.4
95-95-4	2,4,5-Trichlorophenol	90.0		10	2.6
92-52-4	Diphenyl	93.2		10	2.8
91-58-7	2-Chloronaphthalene	94.5		10	2.7
88-74-4	2-Nitroaniline	86.5		20	4.9
606-20-2	2,6-Dinitrotoluene	94.5		2.0	0.61
131-11-3	Dimethyl phthalate	97.6		10	2.8
208-96-8	Acenaphthylene	92.4		10	2.7
99-09-2	3-Nitroaniline	76.5		20	5.0
83-32-9	Acenaphthene	93.5		10	2.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-1 MS | Lab Sample ID: 460-50248-2 MS

Matrix: Water | Lab File ID: z18131.d

Analysis Method: 8270C | Date Collected: 01/31/2013 10:00

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 09:36

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146614 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	17.7	J	30	6.7
51-28-5	2,4-Dinitrophenol	68.9		30	5.4
132-64-9	Dibenzofuran	91.2		10	2.8
84-66-2	Diethyl phthalate	95.2		10	2.9
86-73-7	Fluorene	88.0		10	2.8
206-44-0	Fluoranthene	86.9		10	3.2
84-74-2	Di-n-butyl phthalate	99.1		10	2.9
121-14-2	2,4-Dinitrotoluene	86.6		2.0	0.47
7005-72-3	4-Chlorophenyl phenyl ether	88.8		10	2.5
100-01-6	4-Nitroaniline	69.5		20	5.8
534-52-1	4,6-Dinitro-2-methylphenol	101		30	4.7
101-55-3	4-Bromophenyl phenyl ether	103		10	2.5
1912-24-9	Atrazine	61.9		10	3.0
120-12-7	Anthracene	92.0		10	2.8
86-74-8	Carbazole	83.7		10	3.2
85-01-8	Phenanthrene	96.0		10	3.1
87-86-5	Pentachlorophenol	89.0		30	5.3
129-00-0	Pyrene	91.2		10	2.9
218-01-9	Chrysene	97.5		10	3.1
207-08-9	Benzo[k]fluoranthene	93.5		1.0	0.26
191-24-2	Benzo[g,h,i]perylene	124		10	2.0
205-99-2	Benzo[b]fluoranthene	84.0		1.0	0.26
50-32-8	Benzo[a]pyrene	95.7		1.0	0.14
56-55-3	Benzo[a]anthracene	92.5		1.0	0.27
86-30-6	N-Nitrosodiphenylamine	109		10	2.9
85-68-7	Butyl benzyl phthalate	98.1		10	2.5
117-81-7	Bis(2-ethylhexyl) phthalate	101		10	2.0
117-84-0	Di-n-octyl phthalate	81.0		10	1.5
193-39-5	Indeno[1,2,3-cd]pyrene	108		1.0	0.15
53-70-3	Dibenz(a,h)anthracene	115		1.0	0.090
91-94-1	3,3'-Dichlorobenzidine	70.1		20	4.9
95-94-3	1,2,4,5-Tetrachlorobenzene	85.2		10	2.6
58-90-2	2,3,4,6-Tetrachlorophenol	80.8		10	2.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-1 MS | Lab Sample ID: 460-50248-2 MS

Matrix: Water | Lab File ID: z18131.d

Analysis Method: 8270C | Date Collected: 01/31/2013 10:00

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 09:36

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146614 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	94		56-112
4165-62-2	Phenol-d5	26		10-48
1718-51-0	Terphenyl-d14	79		50-122
118-79-6	2,4,6-Tribromophenol	79		46-122
367-12-4	2-Fluorophenol	44		10-65
321-60-8	2-Fluorobiphenyl	89		53-108

Data File: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18131.d
Report Date: 08-Feb-2013 12:35

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18131.d
Lab Smp Id: 460-50248-E-2-A MS Client Smp ID: MW-1
Inj Date : 08-FEB-2013 09:36
Operator : BNAMS 4 Inst ID: BNAMS11.i
Smp Info : 460-50248-E-2-A MS
Misc Info : 460-50248-E-2-A MS
Comment   :
Method   : /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/8270C_11.m
Meth Date : 08-Feb-2013 00:44 asfawa Quant Type: ISTD
Cal Date : 01-FEB-2013 05:31 Cal File: z16837.d
Als bottle: 25 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-h20.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
	106 1,4-Dioxane	88	1.440	1.428	(0.358)	138894	26.0644	52
	19 N-Nitrosodimethylamine	74	1.646	1.646	(0.410)	213014	29.3040	59
	71 Pyridine	79	1.675	1.669	(0.417)	315505	24.0568	48
$	16 2-Fluorophenol (SUR)	112	2.751	2.751	(0.685)	268781	21.8218	44
	110 Benzaldehyde	77	3.575	3.575	(0.890)	470580	84.3236	170(R)
$	17 Phenol-d5 (SUR)	99	3.669	3.681	(0.914)	195393	13.1974	26
	1 Phenol	94	3.681	3.692	(0.916)	253782	15.7679	32
	73 Aniline	93	3.687	3.692	(0.918)	518114	29.1176	58
	20 bis(2-Chloroethyl)ether	93	3.757	3.763	(0.936)	606111	48.5547	97
	2 2-Chlorophenol	128	3.816	3.816	(0.950)	541759	42.5633	85
	113 n-decane	43	3.869	3.869	(0.963)	513770	45.4866	91
	21 1,3-Dichlorobenzene	146	3.963	3.963	(0.987)	652656	43.9293	88
*	79 1,4-Dichlorobenzene-d4	152	4.016	4.022	(1.000)	366273	40.0000	
	22 1,4-Dichlorobenzene	146	4.040	4.040	(1.006)	692770	46.8090	94
	74 Benzyl Alcohol	108	4.169	4.169	(1.038)	264924	35.9307	72

Data File: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18131.d
Report Date: 08-Feb-2013 12:35

							CONCENTRATIONS	
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
	==========	====	==	======	======	========	=======	=======
	23 1,2-Dichlorobenzene	146	4.193	4.192	(1.044)	630440	45.7163	91
	3 2-Methylphenol	108	4.298	4.298	(1.070)	358017	34.0066	68
	24 bis (2-chloroisopropyl) ether	45	4.304	4.304	(1.072)	671573	54.9339	110(R)
	4 4-Methylphenol	108	4.451	4.457	(1.108)	323915	29.7339	59
	123 3 & 4 Methylphenol	108	4.451	4.457	(1.108)	323147	29.7479	59
	104 Acetophenone	105	4.434	4.439	(1.104)	733983	46.5100	93
	25 N-Nitroso-di-n-propylamine	70	4.445	4.445	(1.107)	395475	51.4822	100
	26 Hexachloroethane	117	4.528	4.528	(1.127)	246633	44.8341	90
$	76 Nitrobenzene-d5 (SUR)	82	4.587	4.587	(0.865)	570184	46.8776	94
	27 Nitrobenzene	77	4.604	4.610	(0.868)	748121	46.6191	93
	107 N,N-Dimethylaniline	120	4.610	4.610	(1.148)	637934	36.5095	73
	28 Isophorone	82	4.845	4.851	(0.914)	855378	46.4513	93
	5 2-Nitrophenol	139	4.922	4.928	(0.928)	293328	49.1271	98
	6 2,4-Dimethylphenol	122	4.987	4.987	(0.940)	420265	44.4203	89
	29 bis(2-Chloroethoxy)methane	93	5.075	5.075	(0.957)	628961	51.3468	100
	15 Benzoic Acid	122	5.098	5.145	(0.961)	66241	13.1898	26(R)
	7 2,4-Dichlorophenol	162	5.175	5.175	(0.976)	373441	44.9213	90
	30 1,2,4-Trichlorobenzene	180	5.251	5.251	(0.990)	457917	45.5561	91
*	80 Naphthalene-d8	136	5.304	5.304	(1.000)	1265132	40.0000	
	31 Naphthalene	128	5.328	5.328	(1.004)	1493772	45.5827	91
	32 4-Chloroaniline	127	5.387	5.392	(1.016)	447157	39.7879	80
	33 Hexachlorobutadiene	225	5.463	5.463	(1.030)	234891	42.0331	84
	111 Caprolactam	113	5.751	5.775	(1.084)	22345	9.41976	19
	8 4-Chloro-3-methylphenol	107	5.898	5.904	(1.112)	325535	39.8582	80
	34 2-Methylnaphthalene	142	6.022	6.022	(1.135)	903609	45.3363	91
	120 1-Methylnaphthalene	142	6.116	6.122	(1.153)	839853	40.6931	81
	35 Hexachlorocyclopentadiene	237	6.187	6.192	(0.877)	138583	30.0499	60
	129 1,2,4,5-Tetrachlorobenzene	216	6.192	6.198	(0.878)	364413	42.6249	85
	9 2,4,6-Trichlorophenol	196	6.310	6.316	(0.895)	238621	46.9827	94
	10 2,4,5-Trichlorophenol	196	6.351	6.357	(0.901)	233934	45.0198	90
$	77 2-Fluorobiphenyl (SUR)	172	6.392	6.392	(0.907)	874215	44.7423	89
	102 Diphenyl	154	6.492	6.492	(0.921)	1028906	46.5883	93
	36 2-Chloronaphthalene	162	6.504	6.504	(0.922)	779821	47.2573	94
	103 Diphenyl Ether	170	6.592	6.598	(0.935)	561961	47.9894	96
	37 2-Nitroaniline	65	6.616	6.616	(0.938)	206523	43.2271	86
	38 Dimethylphthalate	163	6.804	6.804	(0.965)	771739	48.8043	98
	40 2,6-Dinitrotoluene	165	6.857	6.857	(0.972)	178281	47.2677	94
	39 Acenaphthylene	152	6.910	6.916	(0.980)	1155045	46.2246	92
	41 3-Nitroaniline	138	7.022	7.022	(0.996)	143165	38.2308	76
*	82 Acenaphthene-d10	164	7.051	7.057	(1.000)	555126	40.0000	
	42 Acenaphthene	154	7.086	7.086	(1.005)	692399	46.7497	93
	11 2,4-Dinitrophenol	184	7.122	7.128	(1.010)	63654	34.4620	69
	12 4-Nitrophenol	65	7.216	7.210	(1.023)	21304	8.83185	18(a)
	44 2,4-Dinitrotoluene	165	7.251	7.251	(1.028)	197625	43.3079	87
	43 Dibenzofuran	168	7.257	7.257	(1.029)	955890	45.5838	91
	130 2,3,4,6-Tetrachlorophenol	232	7.386	7.386	(1.048)	139468	40.4033	81
	45 Diethylphthalate	149	7.492	7.498	(1.063)	708748	47.6169	95

Data File: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18131.d
Report Date: 08-Feb-2013 12:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
	46 4-Chlorophenyl-phenylether	204	7.592	7.598	(1.077)	344727	44.3848	89
	47 Fluorene	166	7.592	7.592	(1.077)	734323	44.0119	88
	48 4-Nitroaniline	138	7.628	7.628	(1.082)	116207	34.7527	70
	13 4,6-Dinitro-2-methylphenol	198	7.651	7.657	(0.900)	102856	50.7085	100
	49 N-Nitrosodiphenylamine	169	7.716	7.716	(0.907)	500440	54.2823	110
	75 1,2-Diphenylhydrazine	77	7.751	7.751	(0.911)	770282	47.7191	95
$	18 2,4,6-Tribromophenol (SUR)	330	7.828	7.833	(1.110)	93999	39.5949	79
	50 4-Bromophenyl-phenylether	248	8.075	8.075	(0.950)	192980	51.4479	100
	51 Hexachlorobenzene	284	8.139	8.139	(0.957)	201135	50.0338	100
	112 Atrazine	200	8.251	8.251	(0.970)	95953	30.9555	62
	14 Pentachlorophenol	266	8.333	8.333	(0.980)	91447	44.5169	89
	115 n-Octadecane	57	8.422	8.427	(0.990)	468225	59.8462	120
*	83 Phenanthrene-d10	188	8.504	8.510	(1.000)	619288	40.0000	
	52 Phenanthrene	178	8.528	8.533	(1.003)	841491	47.9823	96
	53 Anthracene	178	8.580	8.580	(1.009)	815813	46.0226	92
	54 Carbazole	167	8.739	8.745	(1.028)	599661	41.8504	84
	55 Di-n-butylphthalate	149	9.092	9.092	(1.069)	876941	49.5661	99
	56 Fluoranthene	202	9.686	9.692	(1.139)	663789	43.4250	87
	58 Benzidine	184	9.833	9.827	(1.156)	1536	0.45810	0.92(aR)
	57 Pyrene	202	9.910	9.910	(0.885)	632186	45.6070	91
$	78 Terphenyl-d14	244	10.069	10.069	(0.900)	378679	39.5995	79
	59 Butylbenzylphthalate	149	10.574	10.574	(0.945)	259157	49.0498	98
	60 3,3'-Dichlorobenzidine	252	11.163	11.163	(0.997)	92217	35.0339	70
	61 Benzo(a)anthracene	228	11.180	11.180	(0.999)	434700	46.2580	92
*	81 Chrysene-d12	240	11.192	11.192	(1.000)	312367	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.239	11.239	(1.004)	355493	50.6257	100
	62 Chrysene	228	11.221	11.221	(1.003)	422553	48.7563	98
	64 Di-n-octylphthalate	149	12.057	12.057	(0.926)	490204	40.5137	81
	65 Benzo(b)fluoranthene	252	12.527	12.527	(0.962)	343503	41.9997	84
	66 Benzo(k)fluoranthene	252	12.557	12.562	(0.964)	416823	46.7387	93
	67 Benzo(a)pyrene	252	12.951	12.951	(0.994)	310148	47.8598	96
*	84 Perylene-d12	264	13.027	13.027	(1.000)	261191	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	14.445	14.445	(1.109)	287669	53.9594	110(M)
	69 Dibenz(a,h)anthracene	278	14.480	14.480	(1.112)	317807	57.4914	110
	70 Benzo(g,h,i)perylene	276	14.821	14.815	(1.138)	335629	61.9431	120

QC Flag Legend

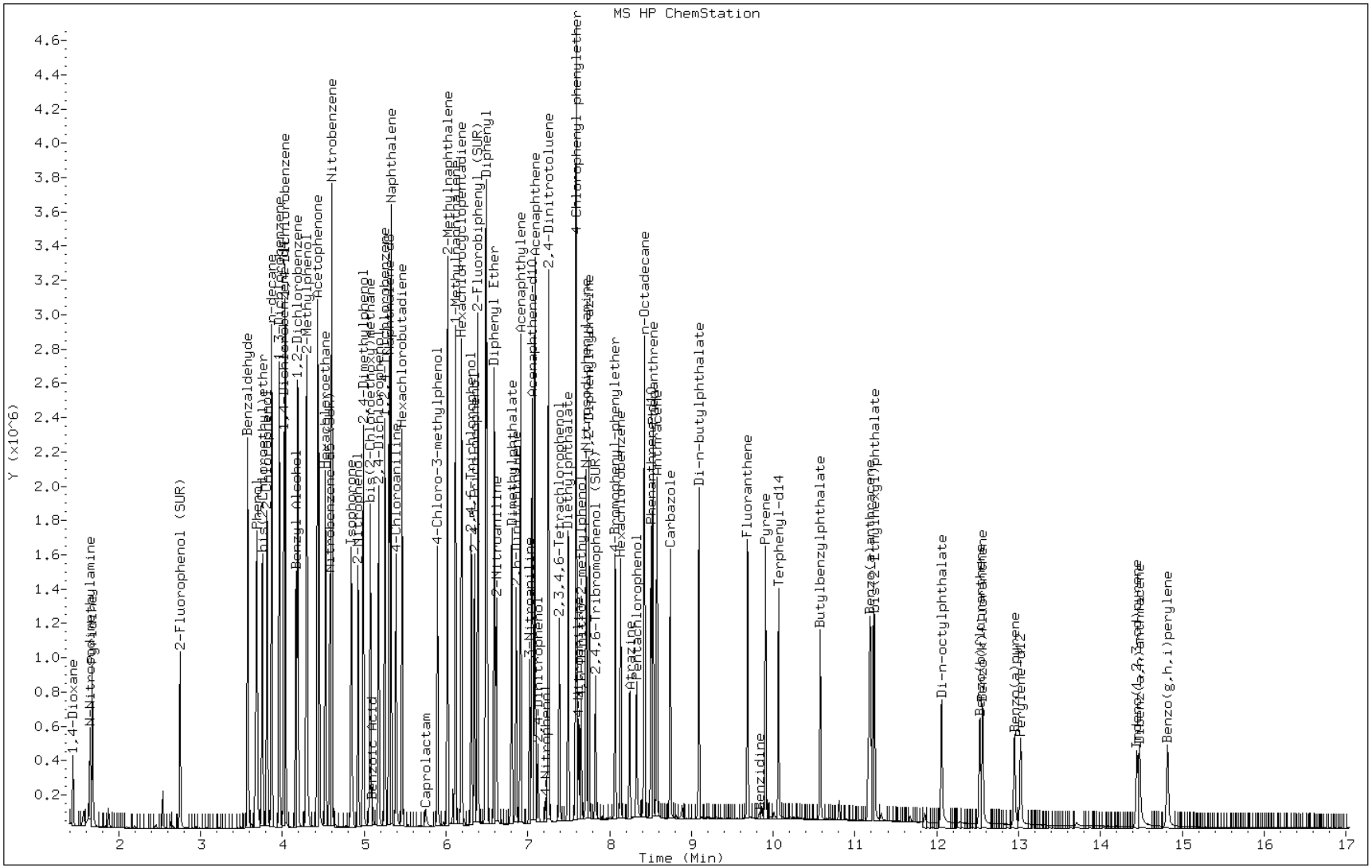
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: z18131.d

Date: 08-FEB-2013 09:36

Client ID: MW-1 Instrument: BNAMS11.i

Sample Info: 460-50248-E-2-A MS Operator: BNAMS 4



Manual Integration Report

Data File: z18131.d
Inj. Date and Time: 08-FEB-2013 09:36
Instrument ID: BNAMS11.i
Client ID: MW-1
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/08/2013

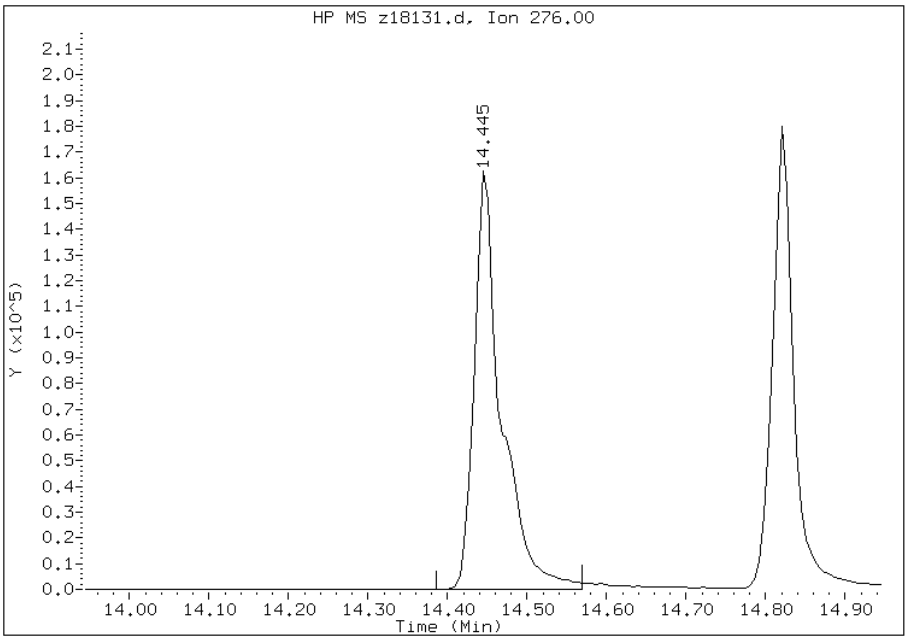
Processing Integration Results

RT: 14.44

Response: 380371

Amount: 71

Conc: 143



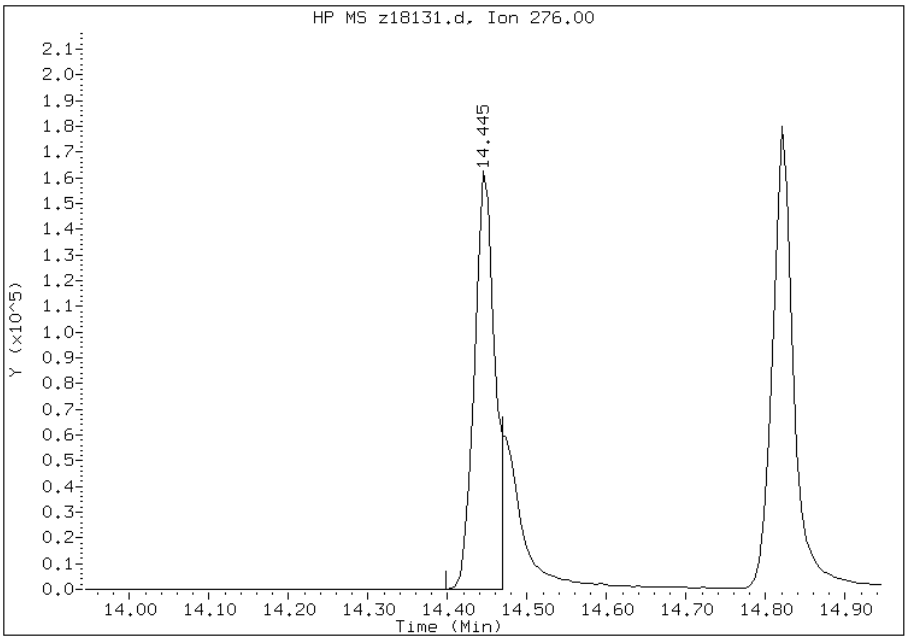
Manual Integration Results

RT: 14.44

Response: 287669

Amount: 54

Conc: 108



Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-1 MSD | Lab Sample ID: 460-50248-2 MSD

Matrix: Water | Lab File ID: z18132.d

Analysis Method: 8270C | Date Collected: 01/31/2013 10:00

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 09:59

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146614 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	38.1		10	0.81
95-57-8	2-Chlorophenol	88.8		10	2.2
95-48-7	2-Methylphenol	75.1		10	1.8
106-44-5	4-Methylphenol	67.7		10	1.6
100-52-7	Benzaldehyde	159		10	2.0
98-86-2	Acetophenone	93.0		10	2.7
111-44-4	Bis(2-chloroethyl)ether	98.2		1.0	0.28
108-60-1	2,2'-oxybis[1-chloropropane]	110		10	2.0
621-64-7	N-Nitrosodi-n-propylamine	104		1.0	0.25
98-95-3	Nitrobenzene	90.4		1.0	0.30
67-72-1	Hexachloroethane	90.0		1.0	0.25
78-59-1	Isophorone	92.0		10	2.7
88-75-5	2-Nitrophenol	98.5		10	2.4
105-67-9	2,4-Dimethylphenol	89.5		10	3.4
120-83-2	2,4-Dichlorophenol	90.5		10	2.6
111-91-1	Bis(2-chloroethoxy)methane	100		10	2.6
91-20-3	Naphthalene	89.0		10	2.7
106-47-8	4-Chloroaniline	74.5		10	2.0
87-68-3	Hexachlorobutadiene	82.6		2.0	0.57
105-60-2	Caprolactam	23.2		10	2.5
59-50-7	4-Chloro-3-methylphenol	83.7		10	2.5
91-57-6	2-Methylnaphthalene	89.9		10	3.0
118-74-1	Hexachlorobenzene	96.3		1.0	0.29
77-47-4	Hexachlorocyclopentadiene	62.5		10	1.7
88-06-2	2,4,6-Trichlorophenol	92.5		10	2.4
95-95-4	2,4,5-Trichlorophenol	89.4		10	2.6
92-52-4	Diphenyl	90.8		10	2.8
91-58-7	2-Chloronaphthalene	92.2		10	2.7
88-74-4	2-Nitroaniline	86.6		20	4.9
606-20-2	2,6-Dinitrotoluene	95.4		2.0	0.61
131-11-3	Dimethyl phthalate	98.7		10	2.8
208-96-8	Acenaphthylene	91.3		10	2.7
99-09-2	3-Nitroaniline	78.6		20	5.0
83-32-9	Acenaphthene	93.6		10	2.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-1 MSD | Lab Sample ID: 460-50248-2 MSD

Matrix: Water | Lab File ID: z18132.d

Analysis Method: 8270C | Date Collected: 01/31/2013 10:00

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 09:59

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146614 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	25.2	J	30	6.7
51-28-5	2,4-Dinitrophenol	76.0		30	5.4
132-64-9	Dibenzofuran	90.2		10	2.8
84-66-2	Diethyl phthalate	95.6		10	2.9
86-73-7	Fluorene	88.5		10	2.8
206-44-0	Fluoranthene	84.6		10	3.2
84-74-2	Di-n-butyl phthalate	97.4		10	2.9
121-14-2	2,4-Dinitrotoluene	88.9		2.0	0.47
7005-72-3	4-Chlorophenyl phenyl ether	89.7		10	2.5
100-01-6	4-Nitroaniline	74.0		20	5.8
534-52-1	4,6-Dinitro-2-methylphenol	101		30	4.7
101-55-3	4-Bromophenyl phenyl ether	98.5		10	2.5
1912-24-9	Atrazine	61.2		10	3.0
120-12-7	Anthracene	89.2		10	2.8
86-74-8	Carbazole	82.2		10	3.2
85-01-8	Phenanthrene	93.0		10	3.1
87-86-5	Pentachlorophenol	90.7		30	5.3
129-00-0	Pyrene	88.3		10	2.9
218-01-9	Chrysene	95.0		10	3.1
207-08-9	Benzo[k]fluoranthene	86.3		1.0	0.26
191-24-2	Benzo[g,h,i]perylene	112		10	2.0
205-99-2	Benzo[b]fluoranthene	87.3		1.0	0.26
50-32-8	Benzo[a]pyrene	92.2		1.0	0.14
56-55-3	Benzo[a]anthracene	90.2		1.0	0.27
86-30-6	N-Nitrosodiphenylamine	104		10	2.9
85-68-7	Butyl benzyl phthalate	96.0		10	2.5
117-81-7	Bis(2-ethylhexyl) phthalate	99.1		10	2.0
117-84-0	Di-n-octyl phthalate	82.9		10	1.5
193-39-5	Indeno[1,2,3-cd]pyrene	98.8		1.0	0.15
53-70-3	Dibenz(a,h)anthracene	107		1.0	0.090
91-94-1	3,3'-Dichlorobenzidine	59.6		20	4.9
95-94-3	1,2,4,5-Tetrachlorobenzene	81.3		10	2.6
58-90-2	2,3,4,6-Tetrachlorophenol	85.4		10	2.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Client Sample ID: MW-1 MSD | Lab Sample ID: 460-50248-2 MSD

Matrix: Water | Lab File ID: z18132.d

Analysis Method: 8270C | Date Collected: 01/31/2013 10:00

Extract. Method: 3510C | Date Extracted: 02/05/2013 08:01

Sample wt/vol: 1000(mL) | Date Analyzed: 02/08/2013 09:59

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

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

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

Analysis Batch No.: 146614 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	91		56-112
4165-62-2	Phenol-d5	33		10-48
1718-51-0	Terphenyl-d14	78		50-122
118-79-6	2,4,6-Tribromophenol	80		46-122
367-12-4	2-Fluorophenol	53		10-65
321-60-8	2-Fluorobiphenyl	87		53-108

Data File: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18132.d
Report Date: 08-Feb-2013 12:37

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18132.d
Lab Smp Id: 460-50248-D-2-E MS
Inj Date : 08-FEB-2013 09:59
Operator : BNAMS 4   Inst ID: BNAMS11.i
Smp Info : 460-50248-D-2-E MSD
Misc Info : 460-50248-D-2-E MSD
Comment   :
Method   : /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/8270C_11.m
Meth Date : 08-Feb-2013 00:44 asfawa   Quant Type: ISTD
Cal Date : 01-FEB-2013 05:31   Cal File: z16837.d
Als bottle: 26   QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE   Compound Sublist: all-h20.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
	106 1,4-Dioxane	88	1.440	1.428	(0.358)	146817	29.0355	58
	19 N-Nitrosodimethylamine	74	1.652	1.646	(0.411)	223064	32.3397	65
	71 Pyridine	79	1.675	1.669	(0.416)	232545	18.6865	37
$	16 2-Fluorophenol (SUR)	112	2.752	2.751	(0.684)	307210	26.2854	52
	110 Benzaldehyde	77	3.575	3.575	(0.889)	420413	79.3927	160(R)
$	17 Phenol-d5 (SUR)	99	3.669	3.681	(0.912)	232656	16.5608	33
	1 Phenol	94	3.687	3.692	(0.917)	290670	19.0327	38
	73 Aniline	93	3.687	3.692	(0.917)	412157	24.4108	49
	20 bis(2-Chloroethyl)ether	93	3.757	3.763	(0.934)	582740	49.1163	98
	2 2-Chlorophenol	128	3.816	3.816	(0.949)	536540	44.4242	89
	113 n-decane	43	3.869	3.869	(0.962)	496067	46.2854	92
	21 1,3-Dichlorobenzene	146	3.963	3.963	(0.985)	612832	43.4710	87
*	79 1,4-Dichlorobenzene-d4	152	4.022	4.022	(1.000)	347549	40.0000	
	22 1,4-Dichlorobenzene	146	4.034	4.040	(1.003)	655811	46.6990	93
	74 Benzyl Alcohol	108	4.169	4.169	(1.037)	269471	38.5163	77

Data File: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18132.d
Report Date: 08-Feb-2013 12:37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	23 1,2-Dichlorobenzene	146	4.193	4.192	(1.042)	596375	45.5759	91
	3 2-Methylphenol	108	4.298	4.298	(1.069)	375343	37.5731	75
	24 bis (2-chloroisopropyl) ether	45	4.304	4.304	(1.070)	638426	55.0360	110(R)
	4 4-Methylphenol	108	4.451	4.457	(1.107)	350112	33.8701	68
	123 3 & 4 Methylphenol	108	4.451	4.457	(1.107)	350989	34.0517	68
	104 Acetophenone	105	4.434	4.439	(1.102)	696621	46.5206	93
	25 N-Nitroso-di-n-propylamine	70	4.440	4.445	(1.104)	378745	51.9605	100
	26 Hexachloroethane	117	4.528	4.528	(1.126)	234871	44.9961	90
$	76 Nitrobenzene-d5 (SUR)	82	4.581	4.587	(0.864)	542092	45.7073	91
	27 Nitrobenzene	77	4.604	4.610	(0.868)	707215	45.1967	90
	107 N,N-Dimethylaniline	120	4.610	4.610	(1.146)	596642	35.9860	72
	28 Isophorone	82	4.846	4.851	(0.914)	825895	45.9968	92
	5 2-Nitrophenol	139	4.922	4.928	(0.928)	286767	49.2560	98
	6 2,4-Dimethylphenol	122	4.987	4.987	(0.940)	412779	44.7444	89
	29 bis(2-Chloroethoxy)methane	93	5.075	5.075	(0.957)	598244	50.0877	100
	15 Benzoic Acid	122	5.104	5.145	(0.962)	90142	18.4077	37(R)
	7 2,4-Dichlorophenol	162	5.175	5.175	(0.976)	366853	45.2569	90
	30 1,2,4-Trichlorobenzene	180	5.251	5.251	(0.990)	422692	43.1267	86
*	80 Naphthalene-d8	136	5.304	5.304	(1.000)	1233597	40.0000	
	31 Naphthalene	128	5.328	5.328	(1.004)	1422361	44.5131	89
	32 4-Chloroaniline	127	5.387	5.392	(1.016)	408239	37.2536	74
	33 Hexachlorobutadiene	225	5.463	5.463	(1.030)	224995	41.2915	82
	111 Caprolactam	113	5.751	5.775	(1.084)	26792	11.5832	23
	8 4-Chloro-3-methylphenol	107	5.898	5.904	(1.112)	333203	41.8400	84
	34 2-Methylnaphthalene	142	6.022	6.022	(1.135)	873180	44.9295	90
	120 1-Methylnaphthalene	142	6.116	6.122	(1.153)	802465	39.8755	80
	35 Hexachlorocyclopentadiene	237	6.187	6.192	(0.877)	143764	31.2729	62
	129 1,2,4,5-Tetrachlorobenzene	216	6.192	6.198	(0.878)	346309	40.6366	81
	9 2,4,6-Trichlorophenol	196	6.316	6.316	(0.896)	234066	46.2330	92
	10 2,4,5-Trichlorophenol	196	6.351	6.357	(0.901)	231510	44.6956	89
$	77 2-Fluorobiphenyl (SUR)	172	6.392	6.392	(0.907)	844020	43.3349	87
	102 Diphenyl	154	6.492	6.492	(0.921)	999647	45.4080	91
	36 2-Chloronaphthalene	162	6.504	6.504	(0.922)	758293	46.0994	92
	103 Diphenyl Ether	170	6.592	6.598	(0.935)	544731	46.6665	93
	37 2-Nitroaniline	65	6.616	6.616	(0.938)	206251	43.3080	87
	38 Dimethylphthalate	163	6.804	6.804	(0.965)	777695	49.3380	99
	40 2,6-Dinitrotoluene	165	6.857	6.857	(0.972)	179318	47.6944	95
	39 Acenaphthylene	152	6.910	6.916	(0.980)	1137043	45.6495	91
	41 3-Nitroaniline	138	7.022	7.022	(0.996)	146731	39.3082	79
*	82 Acenaphthene-d10	164	7.051	7.057	(1.000)	553359	40.0000	
	42 Acenaphthene	154	7.087	7.086	(1.005)	691266	46.8222	94
	11 2,4-Dinitrophenol	184	7.122	7.128	(1.010)	70294	38.0040	76
	12 4-Nitrophenol	65	7.216	7.210	(1.023)	30297	12.6001	25(a)
	44 2,4-Dinitrotoluene	165	7.251	7.251	(1.028)	202158	44.4427	89
	43 Dibenzofuran	168	7.257	7.257	(1.029)	942355	45.0818	90
	130 2,3,4,6-Tetrachlorophenol	232	7.387	7.386	(1.048)	146869	42.6832	85
	45 Diethylphthalate	149	7.498	7.498	(1.063)	709328	47.8080	96

Data File: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18132.d
Report Date: 08-Feb-2013 12:37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	46 4-Chlorophenyl-phenylether	204	7.598	7.598	(1.078)	347138	44.8379	90
	47 Fluorene	166	7.592	7.592	(1.077)	735678	44.2340	88
	48 4-Nitroaniline	138	7.628	7.628	(1.082)	123263	36.9805	74
	13 4,6-Dinitro-2-methylphenol	198	7.651	7.657	(0.900)	107944	50.3447	100
	49 N-Nitrosodiphenylamine	169	7.716	7.716	(0.907)	506517	51.9762	100
	75 1,2-Diphenylhydrazine	77	7.751	7.751	(0.911)	774887	45.4135	91
$	18 2,4,6-Tribromophenol (SUR)	330	7.828	7.833	(1.110)	94839	40.0763	80
	50 4-Bromophenyl-phenylether	248	8.075	8.075	(0.950)	195187	49.2278	98
	51 Hexachlorobenzene	284	8.139	8.139	(0.957)	204658	48.1625	96
	112 Atrazine	200	8.251	8.251	(0.970)	100332	30.6213	61
	14 Pentachlorophenol	266	8.334	8.333	(0.980)	98446	45.3375	91
	115 n-Octadecane	57	8.422	8.427	(0.990)	465336	56.2669	110
*	83 Phenanthrene-d10	188	8.504	8.510	(1.000)	654619	40.0000	
	52 Phenanthrene	178	8.528	8.533	(1.003)	861811	46.4887	93
	53 Anthracene	178	8.581	8.580	(1.009)	836147	44.6239	89
	54 Carbazole	167	8.739	8.745	(1.028)	622582	41.1050	82
	55 Di-n-butylphthalate	149	9.092	9.092	(1.069)	910788	48.7007	97
	56 Fluoranthene	202	9.692	9.692	(1.140)	683486	42.3003	85
	57 Pyrene	202	9.910	9.910	(0.885)	650637	44.1284	88
$	78 Terphenyl-d14	244	10.069	10.069	(0.900)	397374	39.0672	78
	59 Butylbenzylphthalate	149	10.575	10.574	(0.945)	269759	48.0003	96
	60 3,3'-Dichlorobenzidine	252	11.163	11.163	(0.997)	86159	29.7969	60(R)
	61 Benzo(a)anthracene	228	11.180	11.180	(0.999)	450750	45.0948	90
*	81 Chrysene-d12	240	11.192	11.192	(1.000)	332255	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.239	11.239	(1.004)	370152	49.5580	99
	62 Chrysene	228	11.227	11.221	(1.003)	437969	47.5102	95
	64 Di-n-octylphthalate	149	12.057	12.057	(0.926)	530367	41.4652	83
	65 Benzo(b)fluoranthene	252	12.521	12.527	(0.961)	377503	43.6635	87
	66 Benzo(k)fluoranthene	252	12.563	12.562	(0.964)	406564	43.1257	86
	67 Benzo(a)pyrene	252	12.951	12.951	(0.994)	315677	46.0815	92
*	84 Perylene-d12	264	13.027	13.027	(1.000)	276106	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	14.445	14.445	(1.109)	278483	49.4147	99(M)
	69 Dibenz(a,h)anthracene	278	14.480	14.480	(1.112)	311598	53.3232	110
	70 Benzo(g,h,i)perylene	276	14.821	14.815	(1.138)	321033	56.0487	110

QC Flag Legend

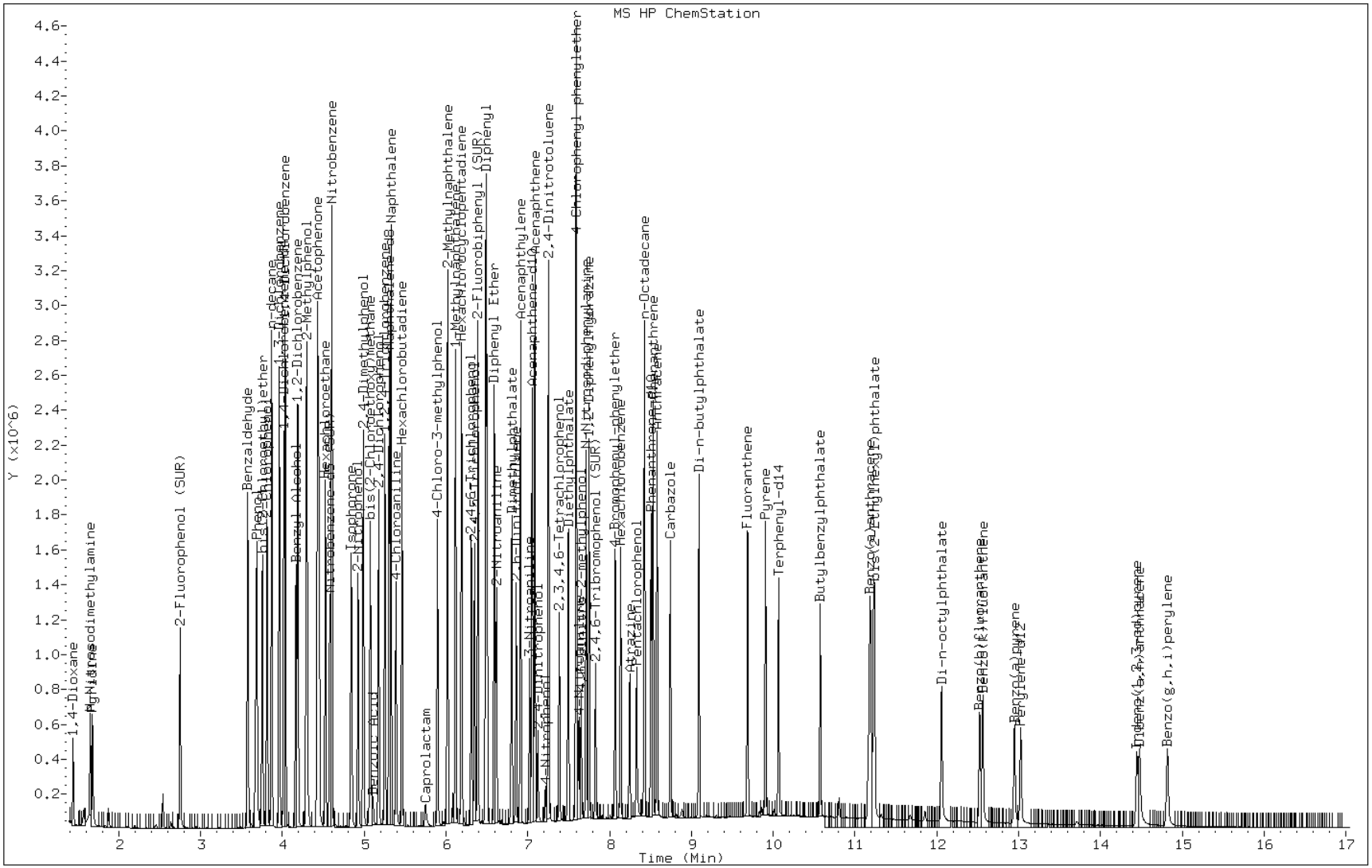
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: z18132.d

Date: 08-FEB-2013 09:59

Client ID: Instrument: BNAMS11.i

Sample Info: 460-50248-D-2-E MSD Operator: BNAMS 4



Manual Integration Report

Data File: z18132.d
Inj. Date and Time: 08-FEB-2013 09:59
Instrument ID: BNAMS11.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/08/2013

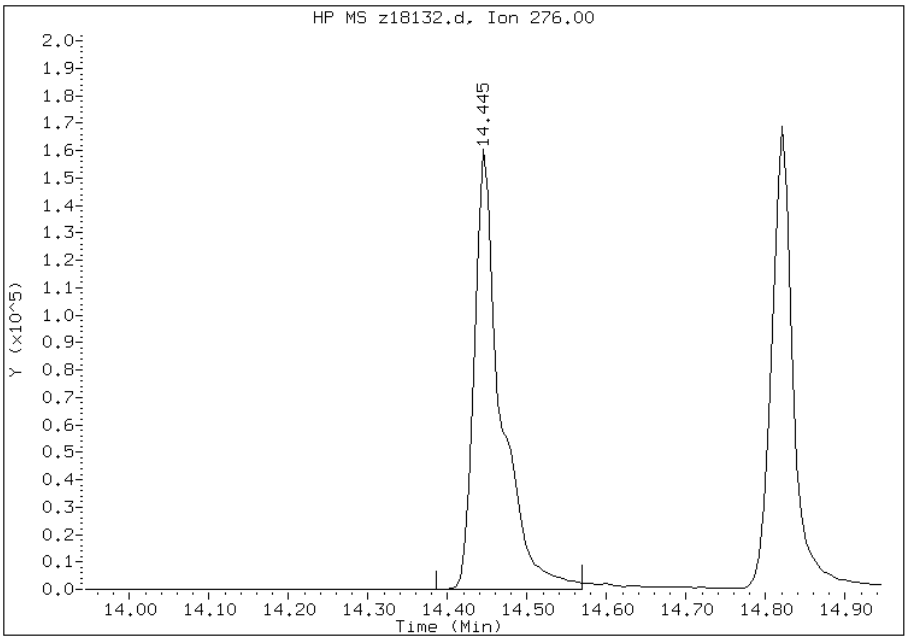
Processing Integration Results

RT: 14.44

Response: 369016

Amount: 65

Conc: 131



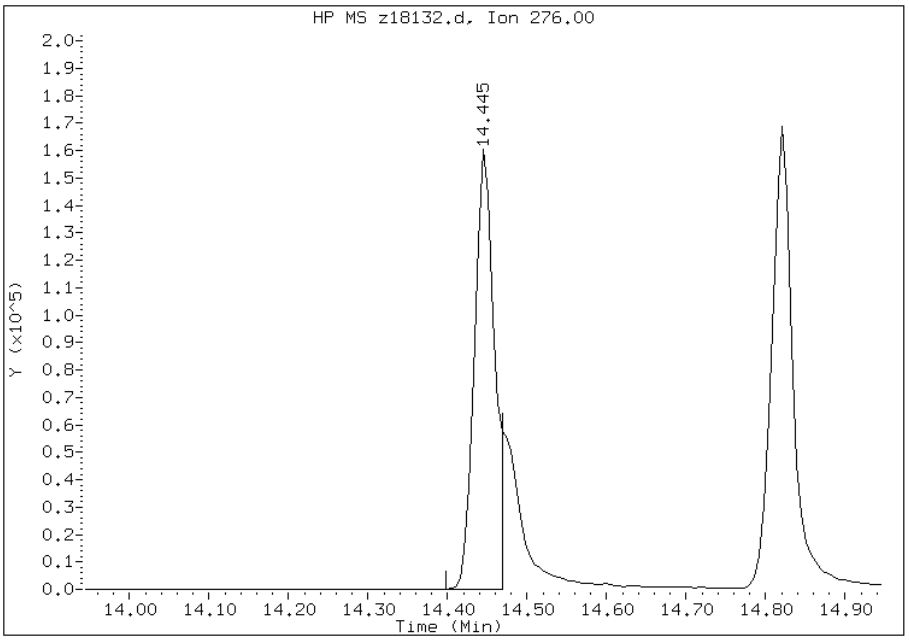
Manual Integration Results

RT: 14.44

Response: 278483

Amount: 49

Conc: 99



Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Instrument ID: BNAMS11 Start Date: 02/01/2013 02:36

Analysis Batch Number: 145619 End Date: 02/01/2013 12:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-145619/1		02/01/2013 02:36	1	z16831.d	Rtx-5MS 0.25(mm)
ICIS 460-145619/2		02/01/2013 03:01	1	z16832.d	Rtx-5MS 0.25(mm)
IC 460-145619/3		02/01/2013 03:58	1	z16833.d	Rtx-5MS 0.25(mm)
IC 460-145619/4		02/01/2013 04:22	1	z16834.d	Rtx-5MS 0.25(mm)
IC 460-145619/5		02/01/2013 04:45	1	z16835.d	Rtx-5MS 0.25(mm)
IC 460-145619/6		02/01/2013 05:08	1	z16836.d	Rtx-5MS 0.25(mm)
IC 460-145619/7		02/01/2013 05:31	1	z16837.d	Rtx-5MS 0.25(mm)
ZZZZZ		02/01/2013 08:37	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/01/2013 09:00	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/01/2013 10:10	5		Rtx-5MS 0.25(mm)
ZZZZZ		02/01/2013 11:01	5		Rtx-5MS 0.25(mm)
ZZZZZ		02/01/2013 11:25	5		Rtx-5MS 0.25(mm)
ZZZZZ		02/01/2013 11:48	2		Rtx-5MS 0.25(mm)
ZZZZZ		02/01/2013 12:32	2		Rtx-5MS 0.25(mm)
ZZZZZ		02/01/2013 12:55	2		Rtx-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Instrument ID: BNAMS11 Start Date: 02/07/2013 23:44

Analysis Batch Number: 146614 End Date: 02/08/2013 11:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-146614/1		02/07/2013 23:44	1	z18107.d	Rtx-5MS 0.25(mm)
CCVIS 460-146614/2		02/08/2013 00:14	1	z18108.d	Rtx-5MS 0.25(mm)
460-50248-2	MW-1	02/08/2013 02:21	1	z18113.d	Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 02:44	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 03:30	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 04:17	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 04:45	10		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 05:32	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 05:55	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 06:42	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 07:15	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 07:40	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 08:03	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 08:26	1		Rtx-5MS 0.25(mm)
LCS 460-146006/2-A		02/08/2013 08:50	1	z18129.d	Rtx-5MS 0.25(mm)
MB 460-146006/1-A		02/08/2013 09:13	1	z18130.d	Rtx-5MS 0.25(mm)
460-50248-2 MS	MW-1 MS	02/08/2013 09:36	1	z18131.d	Rtx-5MS 0.25(mm)
460-50248-2 MSD	MW-1 MSD	02/08/2013 09:59	1	z18132.d	Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 10:23	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 10:46	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 11:09	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 11:32	1		Rtx-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Instrument ID: BNAMS11 Start Date: 02/08/2013 12:30

Analysis Batch Number: 146779 End Date: 02/08/2013 22:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-146779/1		02/08/2013 12:30	1	z18137.d	Rtx-5MS 0.25(mm)
CCVIS 460-146779/2		02/08/2013 12:51	1	z18138.d	Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 13:23	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 14:10	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 14:33	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 14:56	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 15:42	1		Rtx-5MS 0.25(mm)
460-50248-1	MW-7F	02/08/2013 16:06	1	z18146.d	Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 16:29	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 16:52	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 17:15	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 18:25	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 18:48	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 19:11	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 19:35	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 19:58	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 20:21	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 20:44	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/08/2013 21:08	1		Rtx-5MS 0.25(mm)
460-50248-3	MW-3	02/08/2013 21:54	1	z18161.d	Rtx-5MS 0.25(mm)
460-50248-4	MW-2	02/08/2013 22:17	1	z18162.d	Rtx-5MS 0.25(mm)
460-50248-5	MW-2D	02/08/2013 22:40	1	z18163.d	Rtx-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Instrument ID: BNAMS11 Start Date: 02/09/2013 23:45

Analysis Batch Number: 146806 End Date: 02/10/2013 11:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-146806/1		02/09/2013 23:45	1	z18166.d	Rtx-5MS 0.25(mm)
CCVIS 460-146806/2		02/10/2013 00:43	1	z18167.d	Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 01:35	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 01:57	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 02:19	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 02:41	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 03:03	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 03:25	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 03:46	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 04:08	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 04:30	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 04:52	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 05:14	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 05:36	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 05:58	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 06:20	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 06:41	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 07:03	1		Rtx-5MS 0.25(mm)
MB 460-146378/1-A		02/10/2013 07:25	1	z18185.d	Rtx-5MS 0.25(mm)
LCS 460-146378/2-A		02/10/2013 07:47	1	z18186.d	Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 08:09	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 08:31	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 08:53	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 09:15	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 09:37	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 09:59	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 10:22	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 10:44	1		Rtx-5MS 0.25(mm)
ZZZZZ		02/10/2013 11:06	1		Rtx-5MS 0.25(mm)
460-50248-6	MW-7	02/10/2013 11:28	1	z18196.d	Rtx-5MS 0.25(mm)

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i
Analytical Batch: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b

Date Generated: 02/01/2013
Page 1

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
												Tuning 145619
02/01/13 0236	z16831.d	1	DFTPP-1896725	—	—	0	0	1	2.0	all	4724	6 Perfa. > 1.242 base > 1.596
02/01/13 0301	z16832.d	2	ICIS-1888732	—	—	15	1	1	1.0	all	4724	6
02/01/13 0358	z16833.d	3	IC-1888809	—	—	15	1	1	1.0	all	4724	6
02/01/13 0422	z16834.d	4	IC-1888827	—	—	15	1	1	1.0	all	4724	6 8270 range soil except for benzidine benzidine spiked at 20ppb
02/01/13 0445	z16835.d	5	IC-1888828	—	—	15	1	1	1.0	all	4724	6
02/01/13 0508	z16836.d	6	IC-1888934	—	—	15	1	1	1.0	all	4724	6
02/01/13 0531	z16837.d	7	IC-1888985	—	—	15	1	1	1.0	all	4724	6
02/01/13 0555	z16838.d	8	icv	01feb13a	—	1000	1	1	1.0	all	4730	6 1 spike compound within QC limits
02/01/13 0837	z16839.d	9	LCS 460-145436/2-A	460-145436	—	15	1	1	1.0	all-so	—	6
02/01/13 0900	z16840.d	10	MB 460-145436/1-A	460-145436	—	15.0	1	1	1.0	all-so	—	6
02/01/13 0924	z16841.d	11	460-50039-A-1-A	460-145436	01/31/13	15	1	1	1.0	all-so	—	RU Jx
02/01/13 0947	z16842.d	12	460-50039-A-3-A	460-145436	01/31/13	15.0	1	1	1.0	all-so	—	RU Jx
02/01/13 1010	z16843.d	13	460-50039-A-4-A	460-145436	01/31/13	15.0	1	5	1.0	all-so	—	2 Need dilution (PAHs only) 6 high dilut pH
02/01/13 1033	z16844.d	14	460-50039-A-2-C	460-145436	01/31/13	15	1	1	1.0	all-so		RU Jx

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b

Date Generated: 02/01/2013

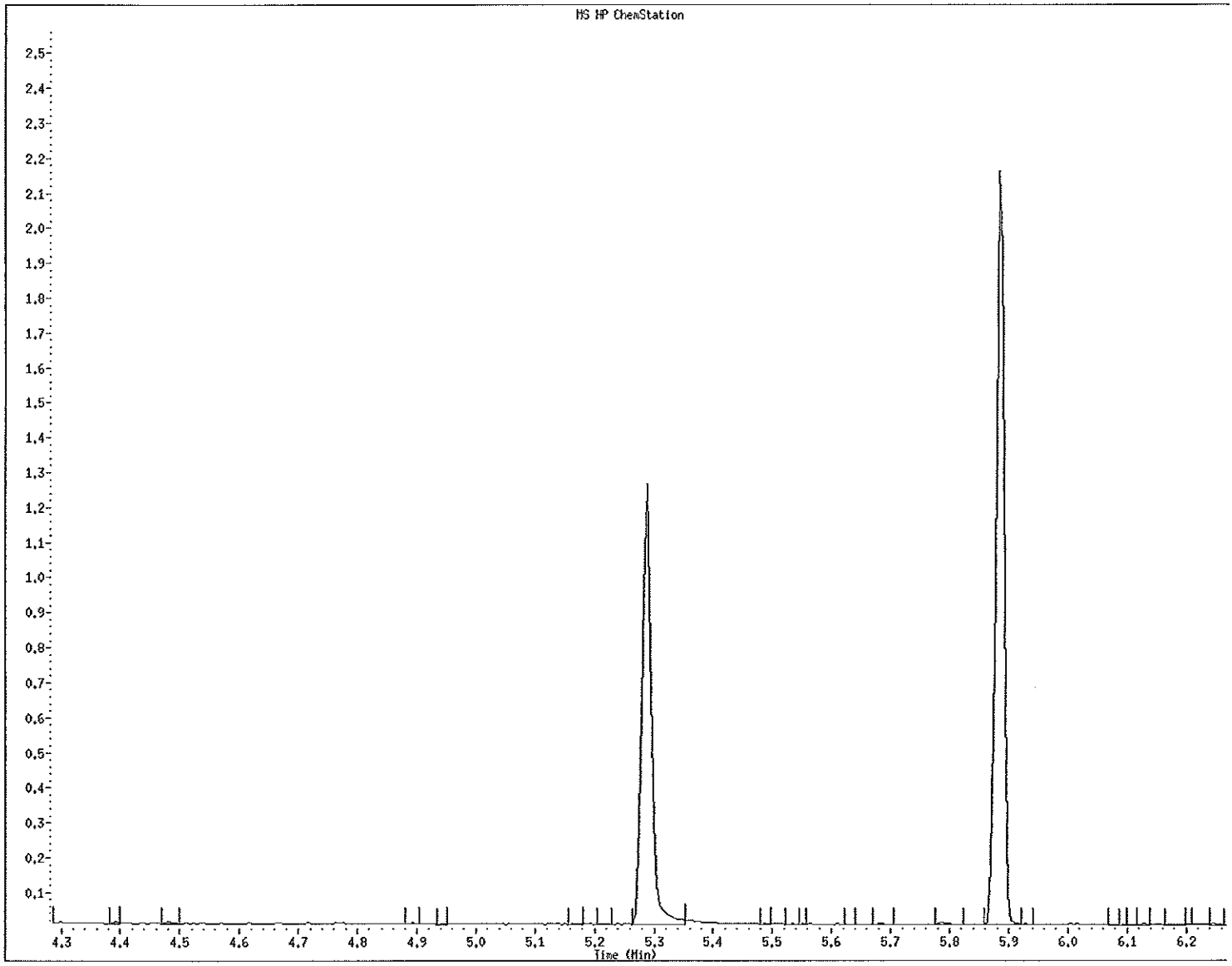
Page 2

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
02/01/13 1101	z16845.d	15	460-50039-A-1-A	460-145436	01/31/13	15	1	5	1.0	all-so	—	6 high aldol pos 1 acid surr low (CPAMONY)
02/01/13 1125	z16846.d	16	460-50039-A-3-A	460-145436	01/31/13	15.0	1	5	1.0	all-so	—	6 ↓
02/01/13 1148	z16847.d	17	460-50039-A-2-C	460-145436	01/31/13	15	1	2	1.0	all-so	—	2 acid surr low (CPAMONY) 6 high aldol pos 1 base surr low (>10%)
02/01/13 1232	z16848.d	18	460-50039-A-2-A MS	460-145436	01/31/13	15	1	2	1.0	all-so	—	6
02/01/13 1255	z16849.d	19	460-50039-A-2-B MSD	460-145436	01/31/13	15.0	1	2	1.0	all-so	—	8 ✓

Signed: Michael [signature] Read and Understood by: [signature]

Date: 2/1/13 Date: 2-5-13

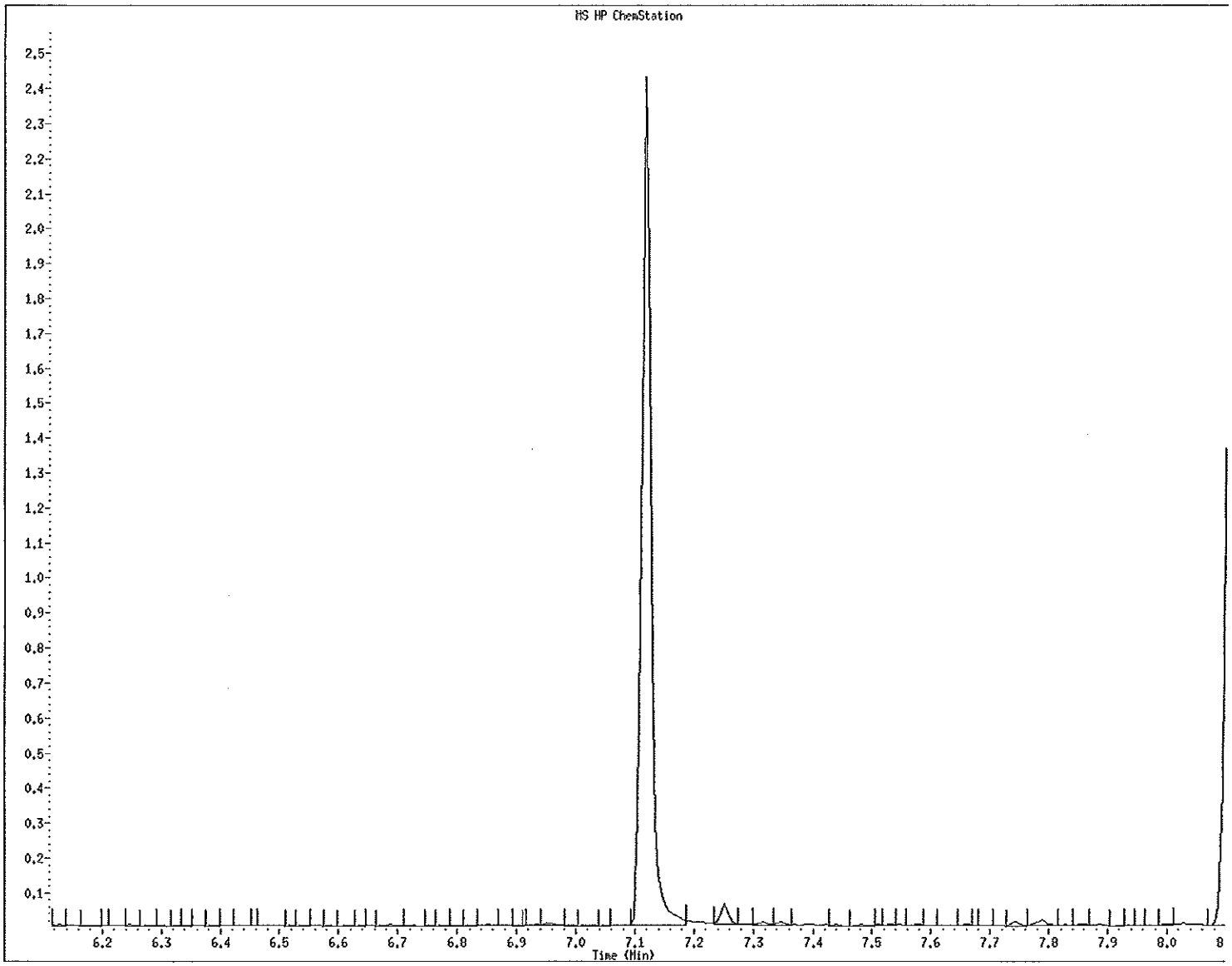
SEMI-VOLATILE TAILING ANALYSIS
Datafile Analyzed: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16831.d
Method Used: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/TAIL.m
Injection Date: 01-FEB-2013 02:36
Report Date: 02/01/2013 04:32



Tailing Analysis on Pentachlorophenol

Tailing factor for Pentachlorophenol OK
Tail Factor = 1.242 Maximum Allowed = 3.0

SEMI-VOLATILE TAILING ANALYSIS
Datafile Analyzed: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/z16831.d
Method Used: /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/TAIL.m
Injection Date: 01-FEB-2013 02:36
Report Date: 02/01/2013 04:32



Tailing Analysis on Benzidine

Tailing factor for Benzidine OK
Tail Factor = 1.596 Maximum Allowed = 3.0

Method : /chem/BNAMS11.i/8270/02-01-13/01feb13a.b/BNADFTPP.m
Sample Info : DFTPP-1896725
Lab ID : DFTPP-1896725 Inst ID : BNAMS11.i
Inj Date : 01-FEB-2013 02:36 Dil Factor : 1
Operator : BNAMS3 Sample Matrix : NONE
Cpnd Sublist: all

Endrin/DDT Breakdown Report

Compounds	Breakdown
DDT	0.00%
Endrin	0.00%

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b

Date Generated: 02/08/2013

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
												146614
02/07/13 2344	z18107.d	1	DFTPP-1896725			0	0	1	2.0	all	BNA 4725	G PCP tail=1.866 Benzidine tail=1.845
02/08/13 0014	z18108.d	2	CCVIS-1888732			15	1	1	1.0	all	BNA 4724	G (No: Benzaldehyde, Benzidine
02/08/13 0048	z18109.d	3	LCS 460-146006/2-A	07feb13a		1000	2	1	1.0	all-h2		RR (Spk high)
02/08/13 0111	z18110.d	4	MB 460-146006/1-A	07feb13a		1000	2	1	1.0	all-h2		RR (Sur high)
02/08/13 0134	z18111.d	5	460-50248-E-2-A MS	460-146006	02/05/13	1000	2	1	1.0	all-h2		RR (Spk high)
02/08/13 0158	z18112.d	6	460-50248-D-2-E MS			1000	2	1	1.0	all-h2		RR (Spk high)
02/08/13 0221	z18113.d	7	460-50248-E-2-B	460-146006	02/05/13	1000	2	1	1.0	all-h2		G
02/08/13 0244	z18114.d	8	460-50256-A-5-A	460-146006	02/05/13	1000	2	1	1.0	all-h2		G
02/08/13 0307	z18115.d	9	460-50300-J-1-A	460-146006	02/05/13	980	2	5	1.0	all-h2		RR 10x
02/08/13 0330	z18116.d	10	MB 460-146102/1-A	07feb13a		1000	2	1	1.0	all-h2		G
02/08/13 0354	z18117.d	11	LCS 460-146102/2-A	07feb13a		1000	2	1	1.0	all-h2		RR
02/08/13 0417	z18118.d	12	LCSD 460-146102/3-A	07feb13a		1000	2	1	1.0	all-h2		G
02/08/13 0445	z18119.d	13	460-50300-J-1-A	460-146006	02/05/13	980	2	10	1.0	all-h2		G (Sur diluted out)
02/08/13 0509	z18120.d	14	460-50127-A-24-F	460-146102	02/05/13	980	2	1	1.0	all-h2		RR (Sur high)

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b

Date Generated: 02/08/2013

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
02/08/13 0532	z18121.d	15	MB 460-146484/1-A	07feb13a		1000	2	1	1.0	all-h2		G
02/08/13 0555	z18122.d	16	LCS 460-146484/2-A	07feb13a		1000	2	1	1.0	all-h2		G
02/08/13 0618	z18123.d	17	LCSD 460-146484/3-A	07feb13a		1000	2	1	1.0	all-h2		RR (Spk high)
02/08/13 0642	z18124.d	18	460-50498-C-7-A	07feb13a		1000	2	1	1.0	all-h2		G
02/08/13 0715	z18125.d	19	460-50153-A-1-AE MS	460-146257		250	2	1	1.0	jTCLP		G
02/08/13 0740	z18126.d	20	460-50248-E-6-A	07feb13a		1000	2	1	1.0	all-h2		G
02/08/13 0803	z18127.d	21	460-50314-F-2-A	460-146209	02/06/13	980	2	1	1.0	all-h2		G
02/08/13 0826	z18128.d	22	460-50314-F-3-A	460-146209	02/06/13	980	2	1	1.0	all-h2		G
02/08/13 0850	z18129.d	23	LCS 460-146006/2-A	07feb13a		1000	2	1	1.0	all-h2		G
02/08/13 0913	z18130.d	24	MB 460-146006/1-A	07feb13a		1000	2	1	1.0	all-h2		G
02/08/13 0936	z18131.d	25	460-50248-E-2-A MS	460-146006	02/05/13	1000	2	1	1.0	all-h2		G
02/08/13 0959	z18132.d	26	460-50248-D-2-E MSD	460-146006		1000	2	1	1.0	all-h2		G
02/08/13 1023	z18133.d	27	460-50326-D-1-A	460-146209	02/06/13	980	2	1	1.0	all-h2		G
02/08/13 1046	z18134.d	28	460-50326-D-2-A	460-146209	02/06/13	990	2	1	1.0	all-h2		G

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b

Date Generated: 02/08/2013

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
02/08/13 1109	z18135.d	29	460-50326-D-3-A	460-146209	02/06/13	900	2	1	1.0	all-h2		G
02/08/13 1132	z18136.d	30	LCS 460-146102/2-A	07feb13a		1000	2	1	1.0	all-h2		G

Signed: VR Read and Understood by: J. [signature]

Date: 2-8-13 Date: 2-9-13

Note~ Dilutions prepared as follows:
Dil = Dilution Factor

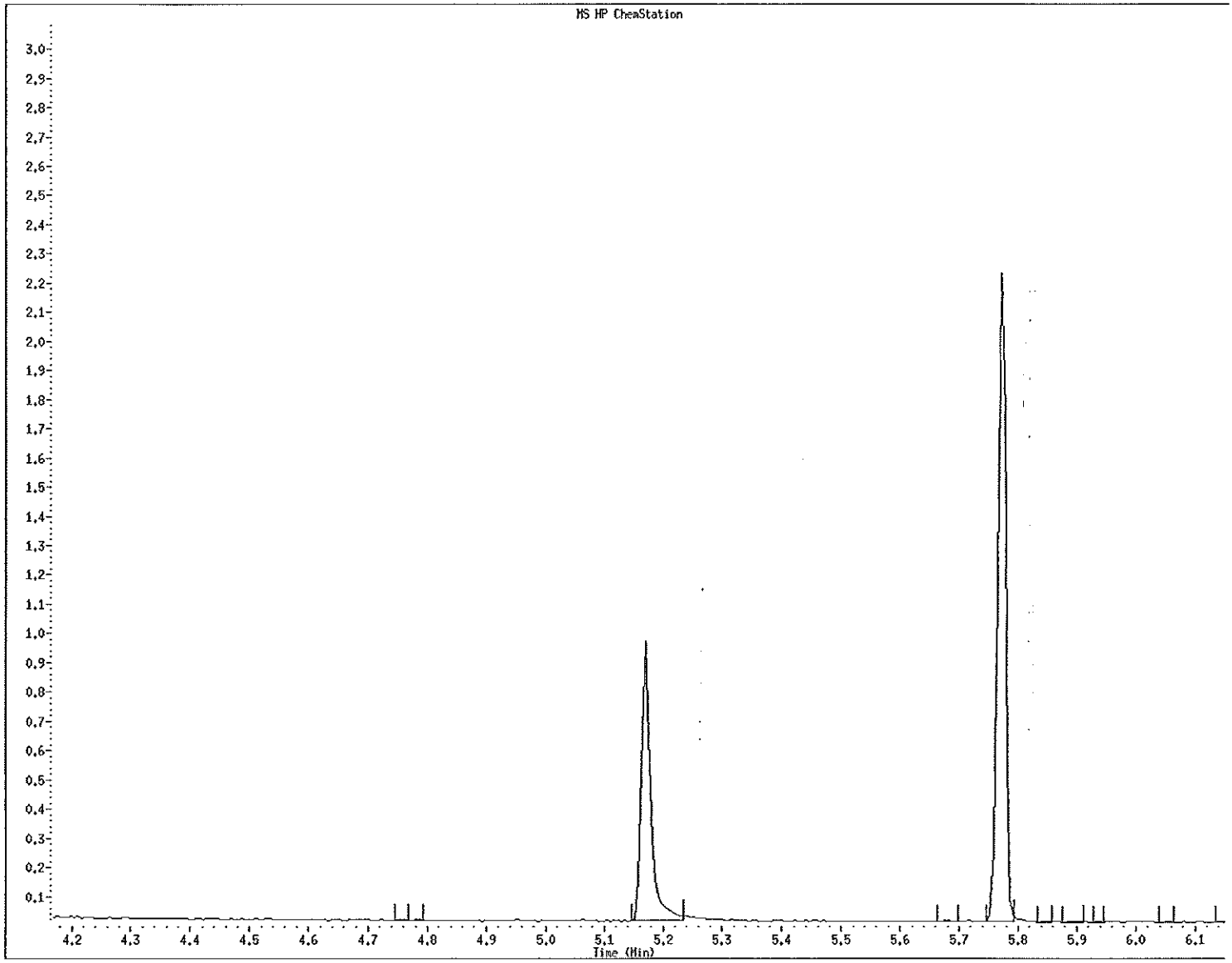
2x: 300ul sample/ 300ul $MeCl_2$/ 6ul ISTD
5x: 200ul sample/ 800ul $MeCl_2$/ 16ul ISTD
10x: 100ul sample/ 900ul $MeCl_2$/ 18ul ISTD

Method : /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/BNADFTPP.m
Sample Info : DFTPP-1896725
Lab ID : DFTPP-1896725 Inst ID : BNAMS11.i
Inj Date : 07-FEB-2013 23:44 Dil Factor : 1
Operator : BNAMS3 Sample Matrix : NONE
Cpnd Sublist: all

Endrin/DDT Breakdown Report

Compounds	Breakdown
DDT	0.00%
Endrin	0.00%

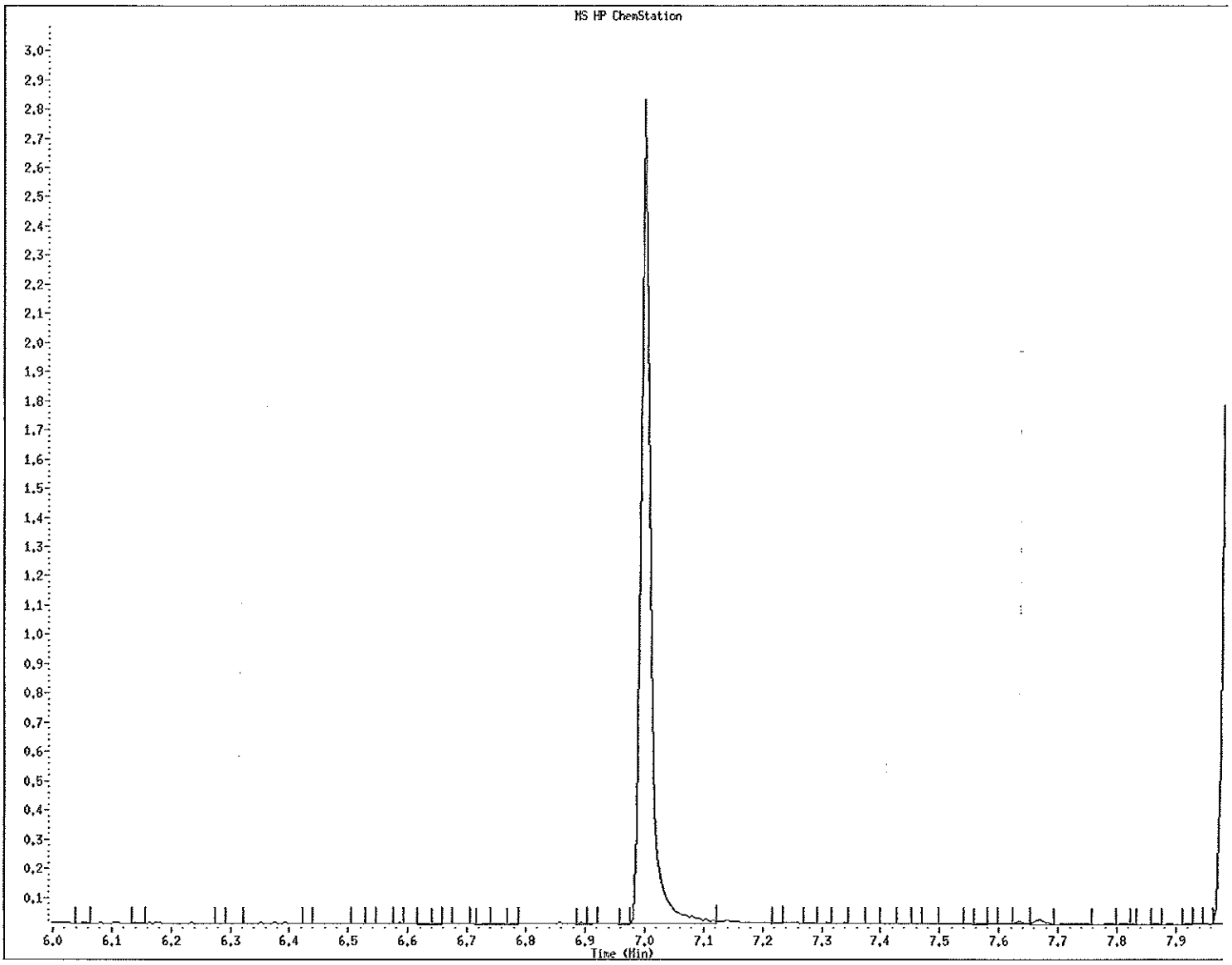
SEMI-VOLATILE TAILING ANALYSIS
Datafile Analyzed: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18107.d
Method Used: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/TAIL.m
Injection Date: 07-FEB-2013 23:44
Report Date: 02/08/2013 00:04



Tailing Analysis on Pentachlorophenol

Tailing factor for Pentachlorophenol OK
Tail Factor = 1.866 Maximum Allowed = 3.0

SEMI-VOLATILE TAILING ANALYSIS
Datafile Analyzed: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/z18107.d
Method Used: /chem/BNAMS11.i/8270/02-01-13/07feb13a.b/TAIL.m
Injection Date: 07-FEB-2013 23:44
Report Date: 02/08/2013 00:04



Tailing Analysis on Benzidine

Tailing factor for Benzidine OK
Tail Factor = 1.845 Maximum Allowed = 3.0

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/02-01-13/08feb13.b

Date Generated: 02/10/2013

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
												146779
02/08/13 1230	z18137.d	1	DFTPP-1896725			0	0	1	2.0	all	BN4 4725	G PCP fail=1.012 Benzidine fail=2.063
02/08/13 1251	z18138.d	2	CCVIS-1888732			15	1	1	1.0	all	BN4 4724	G (N4: Benzaldehyde, Benzidine
02/08/13 1323	z18139.d	3	LCSD 460-146484/3-A	08feb13		1000	2	1	1.0	all-h2		G
02/08/13 1346	z18140.d	4	460-50127-A-24-F	460-146102	02/05/13	980	2	1	1.0	all-h2		RR (sur high)
02/08/13 1410	z18141.d	5	460-50385-L-9-A	460-146484		970	2	1	1.0	all-h2		G
02/08/13 1433	z18142.d	6	460-50397-H-2-A	460-146484		970	2	1	1.0	all-h2		G
02/08/13 1456	z18143.d	7	460-50397-H-3-A	460-146484		970	2	1	1.0	all-h2		G
02/08/13 1519	z18144.d	8	460-50397-H-4-A	460-146484		970	2	1	1.0	all-h2		RR 2x
02/08/13 1542	z18145.d	9	460-50397-H-6-A	460-146484		980	2	1	1.0	all-h2		G
02/08/13 1606	z18146.d	10	460-50248-E-1-A	460-146006	02/05/13	1000	2	1	1.0	all-h2		G
02/08/13 1629	z18147.d	11	460-50298-L-1-A	460-146006	02/05/13	990	2	1	1.0	all-h2		G
02/08/13 1652	z18148.d	12	460-50298-L-2-A	460-146006	02/05/13	980	2	1	1.0	all-h2		G (1 sur high)
02/08/13 1715	z18149.d	13	460-50298-K-3-A	460-146006	02/05/13	990	2	1	1.0	all-h2		G
02/08/13 1739	z18150.d	14	460-50298-K-4-A	460-146006	02/05/13	980	2	1	1.0	all-h2		RR (2 sur low)

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/02-01-13/08feb13.b

Date Generated: 02/10/2013

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
02/08/13 1802	z18151.d	15	460-50298-L-5-A	460-146006	02/05/13	960	2	1	1.0	all-h2		RR (surr low)
02/08/13 1825	z18152.d	16	460-50298-L-6-A	460-146006	02/05/13	990	2	1	1.0	all-h2		G
02/08/13 1848	z18153.d	17	460-50298-L-7-A	460-146006	02/05/13	990	2	1	1.0	all-h2		G
02/08/13 1911	z18154.d	18	460-50326-E-4-A	460-146209	02/06/13	970	2	1	1.0	all-h2		G
02/08/13 1935	z18155.d	19	460-50326-E-5-A	460-146209	02/06/13	980	2	1	1.0	all-h2		G
02/08/13 1958	z18156.d	20	460-50326-D-6-A	460-146209	02/06/13	980	2	1	1.0	all-h2		G
02/08/13 2021	z18157.d	21	460-50335-I-1-A	460-146209	02/06/13	1000	2	1	1.0	all-h2		G
02/08/13 2044	z18158.d	22	460-50335-J-2-A	460-146209	02/06/13	1000	2	1	1.0	all-h2		G
02/08/13 2108	z18159.d	23	460-50335-H-3-A	460-146209	02/06/13	1000	2	1	1.0	all-h2		G
02/08/13 2131	z18160.d	24	460-50154-A-1-G	460-146035	02/05/13	250	2	1	1.0	jTCLP		NG (Sent to RE)
02/08/13 2154	z18161.d	25	460-50248-E-3-A	460-146006	02/05/13	1000	2	1	1.0	all-h2		G
02/08/13 2217	z18162.d	26	460-50248-E-4-A	460-146006	02/05/13	1000	2	1	1.0	all-h2		G
02/08/13 2240	z18163.d	27	460-50248-E-5-A	460-146006	02/05/13	1000	2	1	1.0	all-h2		G
02/08/13 2304	z18164.d	28	460-50127-A-24-F	460-146102	02/05/13	980	2	1	1.0	all-h2		NG (Sent to RE)

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/02-01-13/08feb13.b

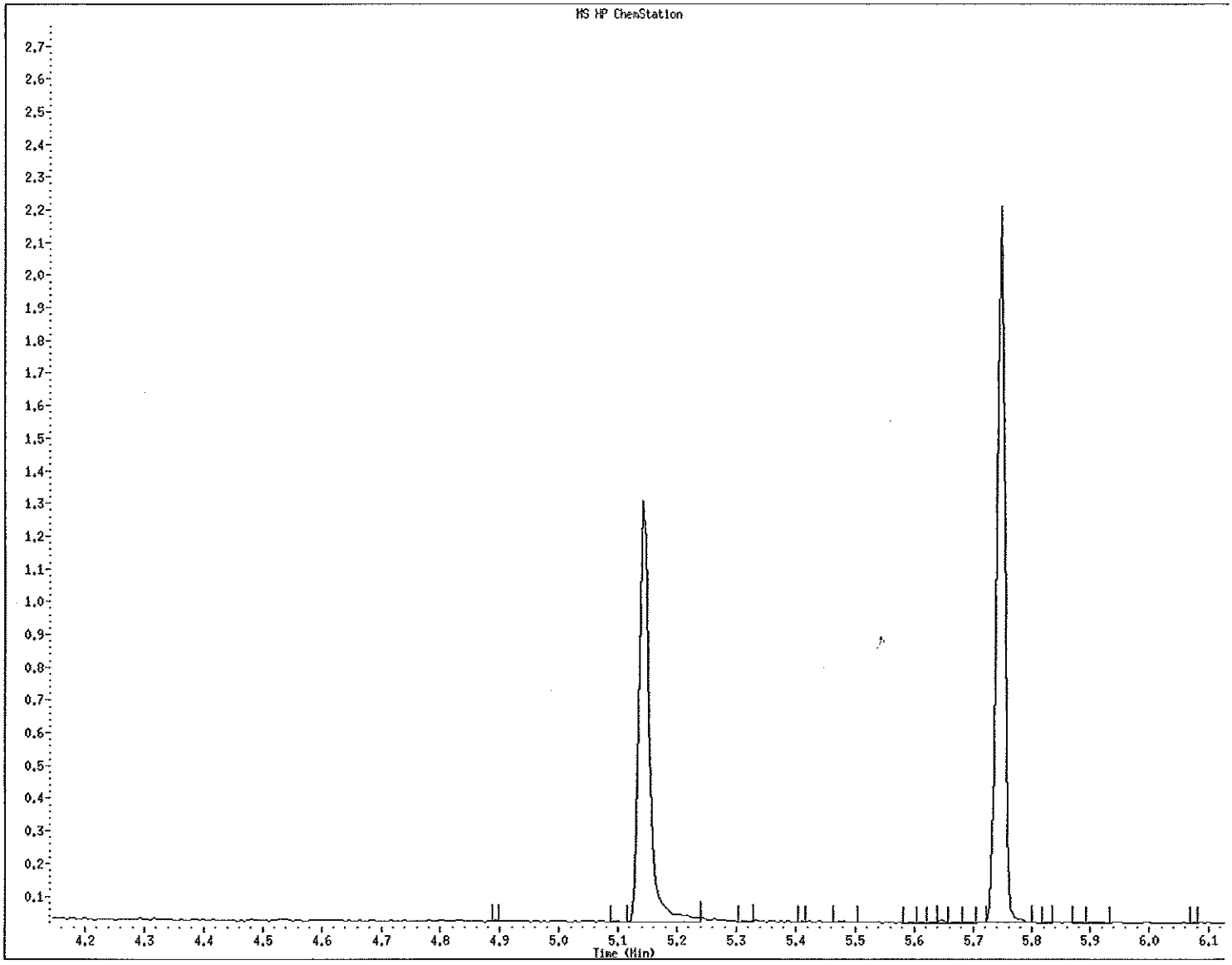
Date Generated: 02/10/2013

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
02/08/13 2327	z18165.d	29	BLANK	08feb13		15	1	1	1.0	all		

Signed: VR Read and Understood by: [signature]

Date: 2-10-13 Date: 2-11-13

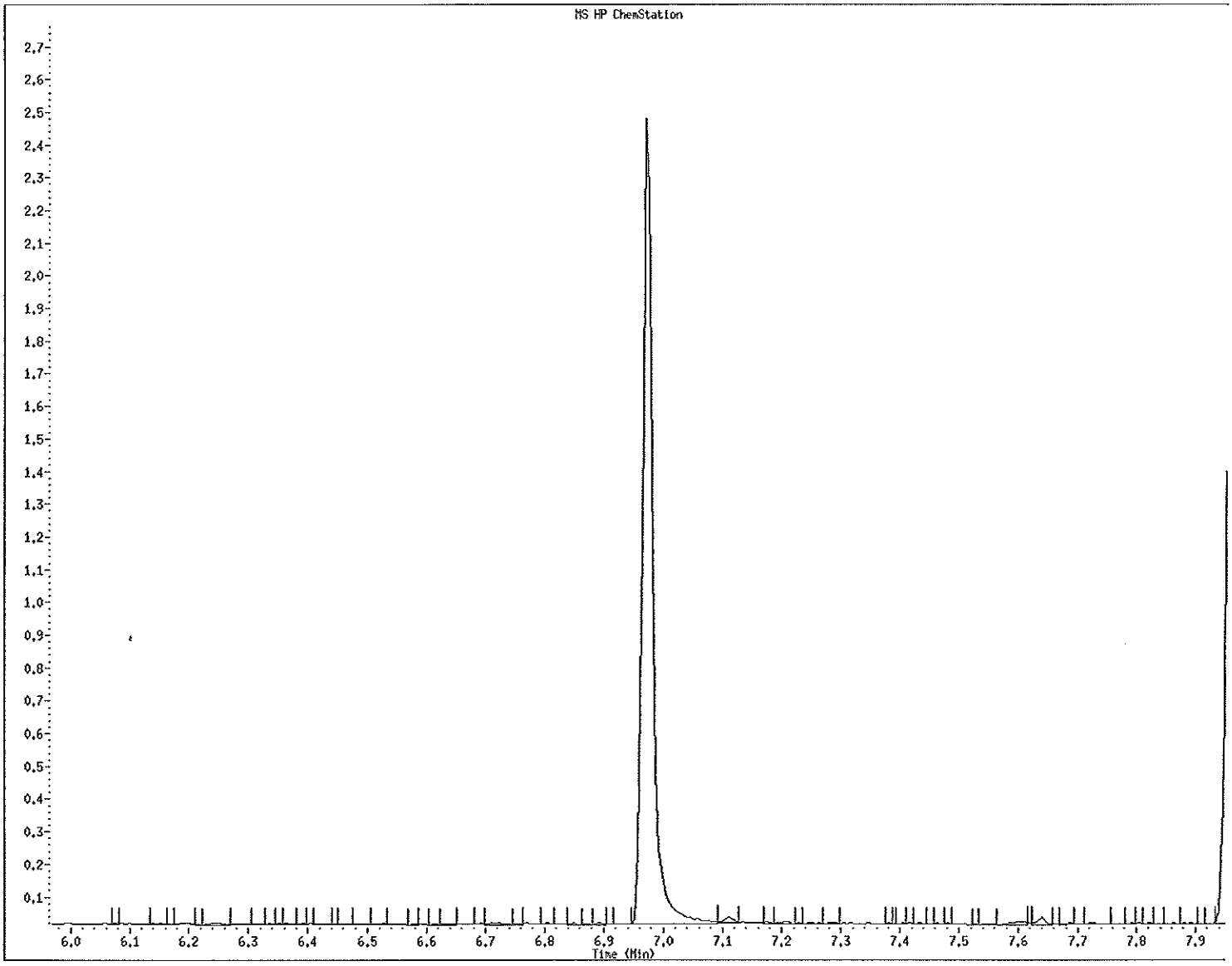
SEMI-VOLATILE TAILING ANALYSIS
Datafile Analyzed: /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18137.d
Method Used: /chem/BNAMS11.i/8270/02-01-13/08feb13.b/TAIL.m
Injection Date: 08-FEB-2013 12:30
Report Date: 02/08/2013 12:55



Tailing Analysis on Pentachlorophenol

Tailing factor for Pentachlorophenol OK
Tail Factor = 1.012 Maximum Allowed = 3.0

SEMI-VOLATILE TAILING ANALYSIS
Datafile Analyzed: /chem/BNAMS11.i/8270/02-01-13/08feb13.b/z18137.d
Method Used: /chem/BNAMS11.i/8270/02-01-13/08feb13.b/TAIL.m
Injection Date: 08-FEB-2013 12:30
Report Date: 02/08/2013 12:55



Tailing Analysis on Benzidine

Tailing factor for Benzidine OK
Tail Factor = 2.063 Maximum Allowed = 3.0

Method : /chem/BNAMS11.i/8270/02-01-13/08feb13.b/BNADFTPP.m
Sample Info : DFTPP-1896725
Lab ID : DFTPP-1896725 Inst ID : BNAMS11.i
Inj Date : 08-FEB-2013 12:30 Dil Factor : 1
Operator : BNA2 Sample Matrix : NONE
Cpnd Sublist: all

Endrin/DDT Breakdown Report

Compounds	Breakdown
DDT	0.00%
Endrin	0.00%

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/02-01-13/09feb13.b

Date Generated: 02/10/2013

Page 1

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
												146806
02/09/13 2345	z18166.d	1	DFTPP-1896725			0	0	1	2.0	all	4725	G P=1.793 B=1.437
02/10/13 0043	z18167.d	2	CCVIS-1888732	✓		15	1	1	1.0	all	4724	G
02/10/13 0113	z18168.d	3	MB 460-146380/1-A	09feb13		1000	2	1	1.0	all-h2		RR low Hits
02/10/13 0135	z18169.d	4	LCS 460-146380/2-A	09feb13		1000	2	1	1.0	all-h2		G
02/10/13 0157	z18170.d	5	460-50383-J-2-A MS	09feb13		1000	2	1	1.0	all		G
02/10/13 0219	z18171.d	6	460-50383-H-2-A MSD	09feb13		1000	2	1	1.0	all		G
02/10/13 0241	z18172.d	7	460-50383-I-1-A	09feb13		1000	2	1	1.0	all-h2		G
02/10/13 0303	z18173.d	8	460-50383-H-2-B	09feb13		1000	2	1	1.0	all-h2		G
02/10/13 0325	z18174.d	9	460-50383-H-3-A	09feb13		1000	2	1	1.0	all-h2		G
02/10/13 0346	z18175.d	10	460-50383-G-4-A	09feb13		1000	2	1	1.0	all-h2		G
02/10/13 0408	z18176.d	11	460-50383-I-5-A	09feb13		1000	2	1	1.0	all-h2		G
02/10/13 0430	z18177.d	12	460-50385-L-1-A	09feb13		15	1	1	1.0	all-h2		G
02/10/13 0452	z18178.d	13	460-50385-L-2-A	09feb13		1000	2	1	1.0	all-h2		G
02/10/13 0514	z18179.d	14	460-50385-L-3-A	09feb13	✓	1000	2	1	1.0	all-h2	✓	G

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/02-01-13/09feb13.b

Date Generated: 02/10/2013

Page 2

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
02/10/13 0536	z18180.d	15	460-50385-K-4-A	09feb13		1000	2	1	1.0	all-h2		
02/10/13 0558	z18181.d	16	460-50385-K-5-A	09feb13		1000	2	1	1.0	all-h2		
02/10/13 0620	z18182.d	17	460-50385-L-6-A	09feb13		1000	2	1	1.0	all-h2		
02/10/13 0641	z18183.d	18	460-50385-K-7-A	09feb13		1000	2	1	1.0	all-h2		
02/10/13 0703	z18184.d	19	460-50385-K-8-A	09feb13		1000	2	1	1.0	all-h2		
02/10/13 0725	z18185.d	20	MB 460-146378/1-A	09feb13		1000	2	1	1.0	all-h2		
02/10/13 0747	z18186.d	21	LCS 460-146378/2-A	09feb13		1000	2	1	1.0	all-h2		
02/10/13 0809	z18187.d	22	460-50327-H-1-A MS	09feb13		1000	2	1	1.0	all-H_2		
02/10/13 0831	z18188.d	23	460-50327-G-1-A MSD	09feb13		1000	2	1	1.0	all-h2		
02/10/13 0853	z18189.d	24	460-50327-G-1-B	09feb13		1000	2	1	1.0	all-h2		
02/10/13 0915	z18190.d	25	460-50327-G-2-A	09feb13		1000	2	1	1.0	all-h2		
02/10/13 0937	z18191.d	26	460-50327-G-3-A	09feb13		1000	2	1	1.0	all-h2		
02/10/13 0959	z18192.d	27	460-50327-G-4-A	09feb13		1000	2	1	1.0	all-h2		
02/10/13 1022	z18193.d	28	460-50327-H-5-A	09feb13		1000	2	1	1.0	all-h2		

TESTAMERICA

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i

Analytical Batch: /chem/BNAMS11.i/8270/02-01-13/09feb13.b

Date Generated: 02/10/2013

Page 3

Date	Data File	ALS	Sample ID	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
02/10/13 1044	z18194.d	29	460-50327-G-6-A	09feb13		1000	2	1	1.0	all-h2		G
02/10/13 1106	z18195.d	30	460-50438-AD-1-A	09feb13		1000	2	1	1.0	all-h2		G
02/10/13 1128	z18196.d	31	460-50248-E-6-B	09feb13		1000	2	1	1.0	all-h2		G

Signed: _____ Read and Understood by: _____

Date: 2/10/13 Date: 2-11-13

Data File: /chem/BNAMS11.i/8270/02-01-13/09feb13.b/z18166.d Page 1
Report Date 02/10/2013 01:09

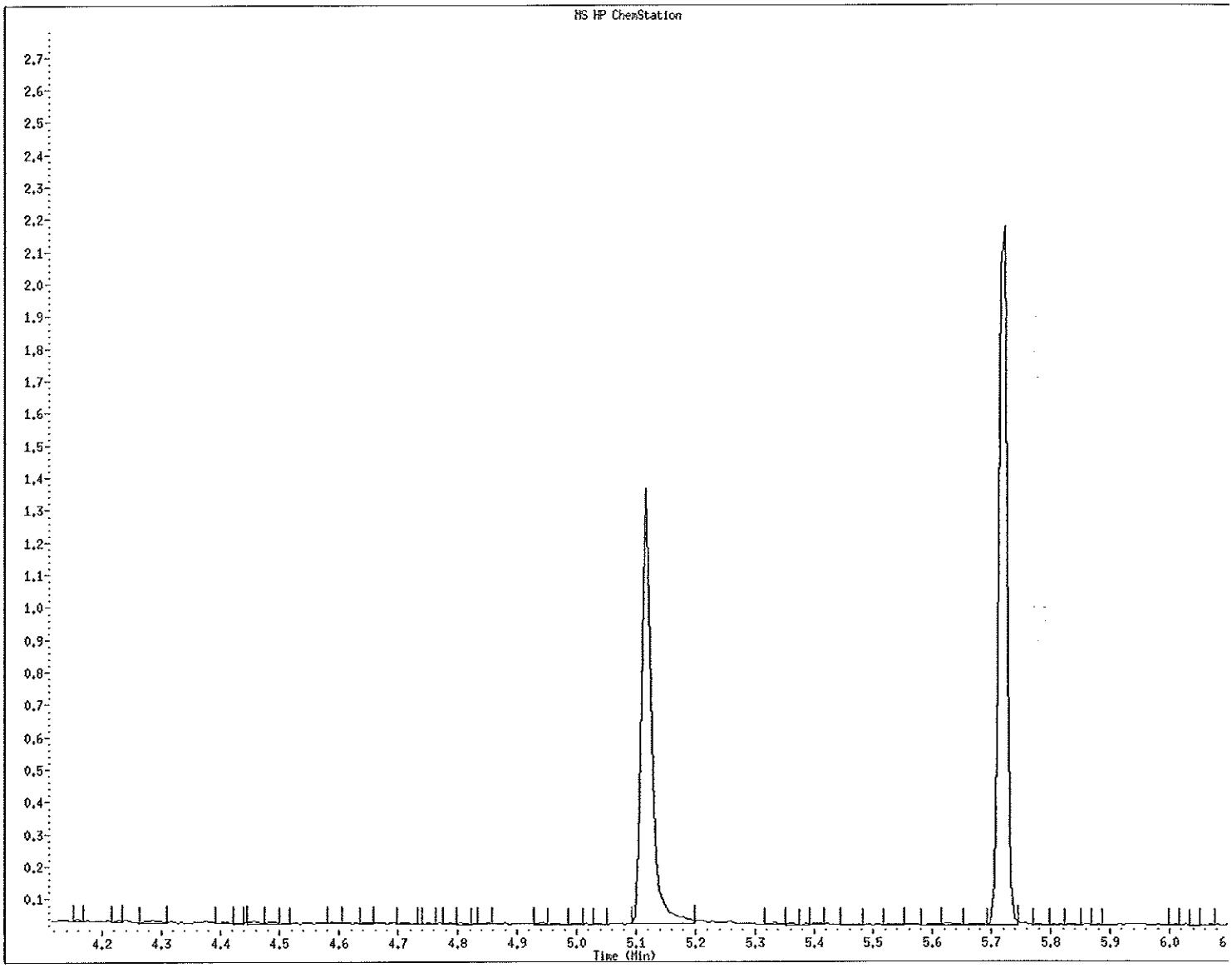
Method : /chem/BNAMS11.i/8270/02-01-13/09feb13.b/BNADFTPP.m
Sample Info : DFTPP-1896725
Lab ID : DFTPP-1896725 Inst ID : BNAMS11.i
Inj Date : 09-FEB-2013 23:45 Dil Factor : 1
Operator : BNA2 Sample Matrix : NONE
Cpnd Sublist: all

Endrin/DDT Breakdown Report

Compounds	Breakdown
DDT	0.00%
Endrin	0.00%

SEMI-VOLATILE TAILING ANALYSIS

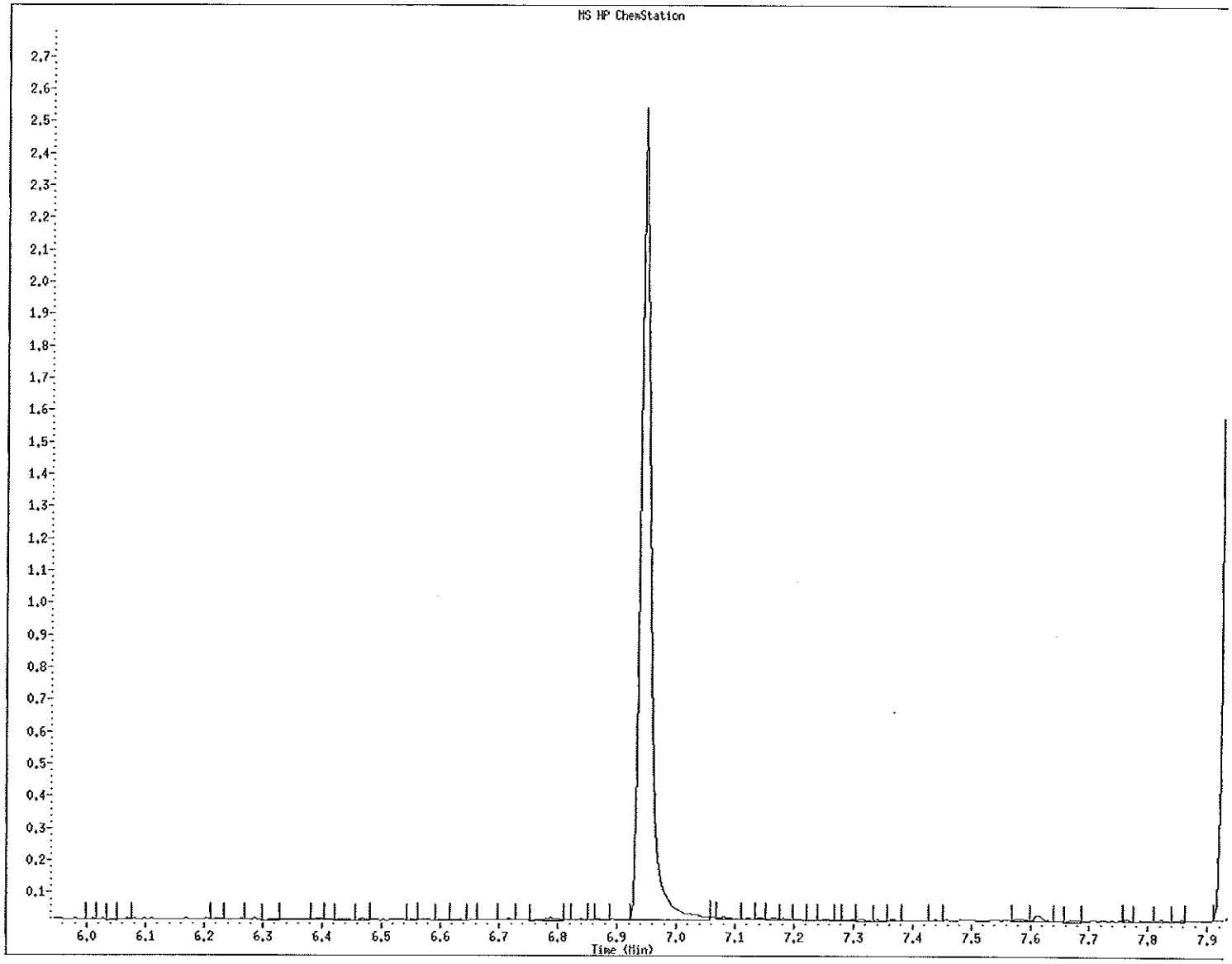
Datafile Analyzed: /chem/BNAMS11.i/8270/02-01-13/09feb13.b/z18166.d
Method Used: /chem/BNAMS11.i/8270/02-01-13/09feb13.b/TAIL.m
Injection Date: 09-FEB-2013 23:45
Report Date: 02/10/2013 01:08



Tailing Analysis on Pentachlorophenol

Tailing factor for Pentachlorophenol OK
Tail Factor = 1.793 Maximum Allowed = 3.0

SEMI-VOLATILE TAILING ANALYSIS
Datafile Analyzed: /chem/BNAMS11.i/8270/02-01-13/09feb13.b/z18166.d
Method Used: /chem/BNAMS11.i/8270/02-01-13/09feb13.b/TAIL.m
Injection Date: 09-FEB-2013 23:45
Report Date: 02/10/2013 01:08



Tailing Analysis on Benzidine

Tailing factor for Benzidine OK
Tail Factor = 1.437 Maximum Allowed = 3.0

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Batch Number: 146006 Batch Start Date: 02/05/13 08:00 Batch Analyst: Wu, Huachi

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	OP625/82SP 00038
MB 460-146006/1		3510C, 8270C		7	1000 mL	2 mL	<2	>12	
LCS 460-146006/2		3510C, 8270C		7	1000 mL	2 mL	<2	>12	1 mL
460-50248-E-2 MS	MW-1	3510C, 8270C	T	7	1000 mL	2 mL	<2	>12	1 mL
460-50248-D-2 MSD	MW-1	3510C, 8270C	T	7	1000 mL	2 mL	<2	>12	1 mL
460-50248-E-2	MW-1	3510C, 8270C	T	7	1000 mL	2 mL	<2	>12	
460-50248-E-1	MW-7F	3510C, 8270C	T	7	1000 mL	2 mL	<2	>12	
460-50248-E-3	MW-3	3510C, 8270C	T	7	1000 mL	2 mL	<2	>12	
460-50248-E-4	MW-2	3510C, 8270C	T	7	1000 mL	2 mL	<2	>12	
460-50248-E-5	MW-2D	3510C, 8270C	T	7	1000 mL	2 mL	<2	>12	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP625/82SU 00035					
MB 460-146006/1		3510C, 8270C		1 mL					
LCS 460-146006/2		3510C, 8270C		1 mL					
460-50248-E-2 MS	MW-1	3510C, 8270C	T	1 mL					
460-50248-D-2 MSD	MW-1	3510C, 8270C	T	1 mL					
460-50248-E-2	MW-1	3510C, 8270C	T	1 mL					
460-50248-E-1	MW-7F	3510C, 8270C	T	1 mL					
460-50248-E-3	MW-3	3510C, 8270C	T	1 mL					
460-50248-E-4	MW-2	3510C, 8270C	T	1 mL					
460-50248-E-5	MW-2D	3510C, 8270C	T	1 mL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Batch Number: 146006 Batch Start Date: 02/05/13 08:00 Batch Analyst: Wu, Huachi

Batch Method: 3510C Batch End Date:

Batch Notes	
Acid used for pH adjustment	Sulfuric
Acid used for pH adjust Lot #	20665
Base used for pH adjustment	NAOH
Base used for pH adjust Lot #	OP514
Batch Comment	625 PREP
Person's name who did the concentration	Wuh
Final Concentrator Volume	2 mL
N-evap #	222299
N-evap temperature	35 Celsius
Na2SO4 Lot Number	225301
Prep Solvent Lot #	27864
Prep Solvent Name	MECL2
Prep Solvent Volume Used	360 ML
Person's name who did the prep	Wuh
Person's name who witnessed reagent drop	HCP
Uncorrected N-evap Temperature	35 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Batch Number: 146378 Batch Start Date: 02/07/13 11:30 Batch Analyst: Esteban, Maria

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	OP625/82SP 00037
MB 460-146378/1		3510C, 8270C		7	1000 mL	2 mL	<2	>12	
LCS 460-146378/2		3510C, 8270C		7	1000 mL	2 mL	<2	>12	1 mL
460-50248-E-6	MW-7	3510C, 8270C	T	7	980 mL	2 mL	<2	>12	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP625/82SU 00034					
MB 460-146378/1		3510C, 8270C		1 mL					
LCS 460-146378/2		3510C, 8270C		1 mL					
460-50248-E-6	MW-7	3510C, 8270C	T	1 mL					

Batch Notes	
Acid used for pH adjustment	Sulfuric
Acid used for pH adjust Lot #	20665
Base used for pH adjustment	NAOH
Base used for pH adjust Lot #	OP514
Batch Comment	8270 PREP
Person's name who did the concentration	ME
Final Concentrator Volume	2 mL
N-evap #	222299
N-evap temperature	18 Celsius
Na2SO4 Lot Number	225301
Prep Solvent Lot #	27864
Prep Solvent Name	MECL2
Prep Solvent Volume Used	360 ML mL
Person's name who did the prep	ME
Uncorrected N-evap Temperature	18 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-50248-1

SDG No.:

Project: IW Industries

Client Sample ID	Lab Sample ID
MW-7F	460-50248-1
MW-1	460-50248-2
MW-3	460-50248-3
MW-2	460-50248-4
MW-2D	460-50248-5
MW-7	460-50248-6

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-7F
Lab Sample ID: 460-50248-1
Lab Name: TestAmerica Edison
Job No.: 460-50248-1
SDG ID.:
Matrix: Water
Date Sampled: 01/31/2013 12:30
Reporting Basis: WET
Date Received: 02/01/2013 14:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	200	200	72.1	ug/L	U		1	6010B
7440-36-0	Antimony	10.0	10.0	7.4	ug/L	U		1	6010B
7440-38-2	Arsenic	3.7	5.0	3.7	ug/L	J		1	6010B
7440-39-3	Barium	200	200	5.9	ug/L	U		1	6010B
7440-41-7	Beryllium	2.0	2.0	0.78	ug/L	U		1	6010B
7440-43-9	Cadmium	5.0	5.0	0.82	ug/L	U		1	6010B
7440-70-2	Calcium	5000	5000	305	ug/L	U		1	6010B
7440-47-3	Chromium	10.0	10.0	4.5	ug/L	U		1	6010B
7440-48-4	Cobalt	50.0	50.0	4.3	ug/L	U		1	6010B
7440-50-8	Copper	25.0	25.0	7.8	ug/L	U		1	6010B
7439-89-6	Iron	150	150	73.6	ug/L	U		1	6010B
7439-92-1	Lead	5.0	5.0	4.0	ug/L	U		1	6010B
7439-95-4	Magnesium	5000	5000	321	ug/L	U		1	6010B
7439-96-5	Manganese	15.0	15.0	4.3	ug/L	U		1	6010B
7440-02-0	Nickel	40.0	40.0	5.0	ug/L	U		1	6010B
7440-09-7	Potassium	5000	5000	525	ug/L	U		1	6010B
7782-49-2	Selenium	10.0	10.0	5.8	ug/L	U		1	6010B
7440-22-4	Silver	10.0	10.0	1.3	ug/L	U		1	6010B
7440-23-5	Sodium	5000	5000	821	ug/L	U		1	6010B
7440-28-0	Thallium	10.0	10.0	5.2	ug/L	U		1	6010B
7440-62-2	Vanadium	50.0	50.0	4.0	ug/L	U		1	6010B
7440-66-6	Zinc	30.0	30.0	5.8	ug/L	U		1	6010B
7439-97-6	Mercury	0.20	0.20	0.16	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-1 Lab Sample ID: 460-50248-2

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG ID.:

Matrix: Water Date Sampled: 01/31/2013 10:00

Reporting Basis: WET Date Received: 02/01/2013 14:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	200	200	72.1	ug/L	U		1	6010B
7440-36-0	Antimony	10.0	10.0	7.4	ug/L	U		1	6010B
7440-38-2	Arsenic	4.8	5.0	3.7	ug/L	J		1	6010B
7440-39-3	Barium	30.6	200	5.9	ug/L	J		1	6010B
7440-41-7	Beryllium	2.0	2.0	0.78	ug/L	U		1	6010B
7440-43-9	Cadmium	5.0	5.0	0.82	ug/L	U		1	6010B
7440-70-2	Calcium	9770	5000	305	ug/L			1	6010B
7440-47-3	Chromium	10.0	10.0	4.5	ug/L	U		1	6010B
7440-48-4	Cobalt	50.0	50.0	4.3	ug/L	U		1	6010B
7440-50-8	Copper	25.0	25.0	7.8	ug/L	U		1	6010B
7439-89-6	Iron	27100	150	73.6	ug/L			1	6010B
7439-92-1	Lead	5.0	5.0	4.0	ug/L	U		1	6010B
7439-95-4	Magnesium	2420	5000	321	ug/L	J		1	6010B
7439-96-5	Manganese	390	15.0	4.3	ug/L			1	6010B
7440-02-0	Nickel	40.0	40.0	5.0	ug/L	U		1	6010B
7440-09-7	Potassium	2130	5000	525	ug/L	J		1	6010B
7782-49-2	Selenium	10.0	10.0	5.8	ug/L	U		1	6010B
7440-22-4	Silver	10.0	10.0	1.3	ug/L	U		1	6010B
7440-23-5	Sodium	21500	5000	821	ug/L			1	6010B
7440-28-0	Thallium	10.0	10.0	5.2	ug/L	U		1	6010B
7440-62-2	Vanadium	50.0	50.0	4.0	ug/L	U		1	6010B
7440-66-6	Zinc	30.0	30.0	5.8	ug/L	U		1	6010B
7439-97-6	Mercury	0.20	0.20	0.16	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-3 Lab Sample ID: 460-50248-3

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG ID.:

Matrix: Water Date Sampled: 01/31/2013 09:45

Reporting Basis: WET Date Received: 02/01/2013 14:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	619	200	72.1	ug/L			1	6010B
7440-36-0	Antimony	10.0	10.0	7.4	ug/L	U		1	6010B
7440-38-2	Arsenic	9.1	5.0	3.7	ug/L			1	6010B
7440-39-3	Barium	51.3	200	5.9	ug/L	J		1	6010B
7440-41-7	Beryllium	2.0	2.0	0.78	ug/L	U		1	6010B
7440-43-9	Cadmium	5.0	5.0	0.82	ug/L	U		1	6010B
7440-70-2	Calcium	13000	5000	305	ug/L			1	6010B
7440-47-3	Chromium	10.0	10.0	4.5	ug/L	U		1	6010B
7440-48-4	Cobalt	50.0	50.0	4.3	ug/L	U		1	6010B
7440-50-8	Copper	12.2	25.0	7.8	ug/L	J		1	6010B
7439-89-6	Iron	14600	150	73.6	ug/L			1	6010B
7439-92-1	Lead	10.8	5.0	4.0	ug/L			1	6010B
7439-95-4	Magnesium	3540	5000	321	ug/L	J		1	6010B
7439-96-5	Manganese	194	15.0	4.3	ug/L			1	6010B
7440-02-0	Nickel	40.0	40.0	5.0	ug/L	U		1	6010B
7440-09-7	Potassium	2910	5000	525	ug/L	J		1	6010B
7782-49-2	Selenium	10.0	10.0	5.8	ug/L	U		1	6010B
7440-22-4	Silver	10.0	10.0	1.3	ug/L	U		1	6010B
7440-23-5	Sodium	17400	5000	821	ug/L			1	6010B
7440-28-0	Thallium	10.0	10.0	5.2	ug/L	U		1	6010B
7440-62-2	Vanadium	50.0	50.0	4.0	ug/L	U		1	6010B
7440-66-6	Zinc	11.1	30.0	5.8	ug/L	J		1	6010B
7439-97-6	Mercury	0.20	0.20	0.16	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-2 Lab Sample ID: 460-50248-4

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG ID.:

Matrix: Water Date Sampled: 01/31/2013 11:00

Reporting Basis: WET Date Received: 02/01/2013 14:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3620	200	72.1	ug/L			1	6010B
7440-36-0	Antimony	10.0	10.0	7.4	ug/L	U		1	6010B
7440-38-2	Arsenic	14.2	5.0	3.7	ug/L			1	6010B
7440-39-3	Barium	76.4	200	5.9	ug/L	J		1	6010B
7440-41-7	Beryllium	2.0	2.0	0.78	ug/L	U		1	6010B
7440-43-9	Cadmium	5.0	5.0	0.82	ug/L	U		1	6010B
7440-70-2	Calcium	17400	5000	305	ug/L			1	6010B
7440-47-3	Chromium	9.3	10.0	4.5	ug/L	J		1	6010B
7440-48-4	Cobalt	50.0	50.0	4.3	ug/L	U		1	6010B
7440-50-8	Copper	41.9	25.0	7.8	ug/L			1	6010B
7439-89-6	Iron	36100	150	73.6	ug/L			1	6010B
7439-92-1	Lead	27.0	5.0	4.0	ug/L			1	6010B
7439-95-4	Magnesium	2930	5000	321	ug/L	J		1	6010B
7439-96-5	Manganese	384	15.0	4.3	ug/L			1	6010B
7440-02-0	Nickel	5.1	40.0	5.0	ug/L	J		1	6010B
7440-09-7	Potassium	3640	5000	525	ug/L	J		1	6010B
7782-49-2	Selenium	10.0	10.0	5.8	ug/L	U		1	6010B
7440-22-4	Silver	10.0	10.0	1.3	ug/L	U		1	6010B
7440-23-5	Sodium	22700	5000	821	ug/L			1	6010B
7440-28-0	Thallium	10.0	10.0	5.2	ug/L	U		1	6010B
7440-62-2	Vanadium	14.6	50.0	4.0	ug/L	J		1	6010B
7440-66-6	Zinc	45.9	30.0	5.8	ug/L			1	6010B
7439-97-6	Mercury	0.20	0.20	0.16	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-2D
Lab Sample ID: 460-50248-5
Lab Name: TestAmerica Edison
Job No.: 460-50248-1
SDG ID.:
Matrix: Water
Date Sampled: 01/31/2013 11:15
Reporting Basis: WET
Date Received: 02/01/2013 14:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3260	200	72.1	ug/L			1	6010B
7440-36-0	Antimony	10.0	10.0	7.4	ug/L	U		1	6010B
7440-38-2	Arsenic	11.0	5.0	3.7	ug/L			1	6010B
7440-39-3	Barium	70.5	200	5.9	ug/L	J		1	6010B
7440-41-7	Beryllium	2.0	2.0	0.78	ug/L	U		1	6010B
7440-43-9	Cadmium	5.0	5.0	0.82	ug/L	U		1	6010B
7440-70-2	Calcium	18200	5000	305	ug/L			1	6010B
7440-47-3	Chromium	8.0	10.0	4.5	ug/L	J		1	6010B
7440-48-4	Cobalt	50.0	50.0	4.3	ug/L	U		1	6010B
7440-50-8	Copper	36.5	25.0	7.8	ug/L			1	6010B
7439-89-6	Iron	35100	150	73.6	ug/L			1	6010B
7439-92-1	Lead	26.4	5.0	4.0	ug/L			1	6010B
7439-95-4	Magnesium	3080	5000	321	ug/L	J		1	6010B
7439-96-5	Manganese	384	15.0	4.3	ug/L			1	6010B
7440-02-0	Nickel	40.0	40.0	5.0	ug/L	U		1	6010B
7440-09-7	Potassium	3790	5000	525	ug/L	J		1	6010B
7782-49-2	Selenium	10.0	10.0	5.8	ug/L	U		1	6010B
7440-22-4	Silver	10.0	10.0	1.3	ug/L	U		1	6010B
7440-23-5	Sodium	22600	5000	821	ug/L			1	6010B
7440-28-0	Thallium	10.0	10.0	5.2	ug/L	U		1	6010B
7440-62-2	Vanadium	13.8	50.0	4.0	ug/L	J		1	6010B
7440-66-6	Zinc	40.4	30.0	5.8	ug/L			1	6010B
7439-97-6	Mercury	0.20	0.20	0.16	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-7 Lab Sample ID: 460-50248-6

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG ID.:

Matrix: Water Date Sampled: 01/31/2013 12:00

Reporting Basis: WET Date Received: 02/01/2013 14:45

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	577	200	72.1	ug/L			1	6010B
7440-36-0	Antimony	10.0	10.0	7.4	ug/L	U		1	6010B
7440-38-2	Arsenic	5.6	5.0	3.7	ug/L			1	6010B
7440-39-3	Barium	98.2	200	5.9	ug/L	J		1	6010B
7440-41-7	Beryllium	2.0	2.0	0.78	ug/L	U		1	6010B
7440-43-9	Cadmium	5.0	5.0	0.82	ug/L	U		1	6010B
7440-70-2	Calcium	56500	5000	305	ug/L			1	6010B
7440-47-3	Chromium	10.0	10.0	4.5	ug/L	U		1	6010B
7440-48-4	Cobalt	50.0	50.0	4.3	ug/L	U		1	6010B
7440-50-8	Copper	82.4	25.0	7.8	ug/L			1	6010B
7439-89-6	Iron	6430	150	73.6	ug/L			1	6010B
7439-92-1	Lead	14.9	5.0	4.0	ug/L			1	6010B
7439-95-4	Magnesium	4860	5000	321	ug/L	J		1	6010B
7439-96-5	Manganese	101	15.0	4.3	ug/L			1	6010B
7440-02-0	Nickel	40.0	40.0	5.0	ug/L	U		1	6010B
7440-09-7	Potassium	6690	5000	525	ug/L			1	6010B
7782-49-2	Selenium	10.0	10.0	5.8	ug/L	U		1	6010B
7440-22-4	Silver	10.0	10.0	1.3	ug/L	U		1	6010B
7440-23-5	Sodium	54200	5000	821	ug/L			1	6010B
7440-28-0	Thallium	10.0	10.0	5.2	ug/L	U		1	6010B
7440-62-2	Vanadium	50.0	50.0	4.0	ug/L	U		1	6010B
7440-66-6	Zinc	78.7	30.0	5.8	ug/L			1	6010B
7439-97-6	Mercury	0.20	0.20	0.16	ug/L	U		1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

ICV Source: ME_CCV_DUO_00070 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00070

Analyte	ICV 460-145902/7 02/04/2013 10:33				CCV 460-145902/19 02/04/2013 11:18				CCV 460-145902/31 02/04/2013 12:03			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	122900		125000	98	122000		125000	98	123200		125000	99
Antimony	956.6		1000	96	969.6		1000	97	968.9		1000	97
Arsenic	2378		2500	95	2400		2500	96	2404		2500	96
Barium	9785		10000	98	9838		10000	98	9870		10000	99
Beryllium	975.5		1000	98	976.3		1000	98	977.7		1000	98
Cadmium	1205		1250	96	1214		1250	97	1217		1250	97
Calcium	125600		125000	100	125800		125000	101	126800		125000	101
Chromium	4912		5000	98	4880		5000	98	4903		5000	98
Cobalt	2437		2500	97	2450		2500	98	2455		2500	98
Copper	12270		12500	98	12100		12500	97	12180		12500	97
Iron	98570		100000	99	98170		100000	98	98620		100000	99
Lead	7357		7500	98	7420		7500	99	7444		7500	99
Magnesium	121600		125000	97	120900		125000	97	121200		125000	97
Manganese	4892		5000	98	4888		5000	98	4898		5000	98
Nickel	2440		2500	98	2461		2500	98	2467		2500	99
Potassium	48770		50000	98	48770		50000	98	48970		50000	98
Selenium	2409		2500	96	2431		2500	97	2440		2500	98
Silver	1246		1250	100	1242		1250	99	1247		1250	100
Sodium	123400		125000	99	123000		125000	98	124000		125000	99
Thallium	2440		2500	98	2462		2500	98	2473		2500	99
Vanadium	2444		2500	98	2431		2500	97	2441		2500	98
Zinc	2443		2500	98	2458		2500	98	2464		2500	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

ICV Source: ME_DCAL-IN_01077 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_01077

Analyte	ICV 460-145903/23-A 02/04/2013 14:22				CCV 460-145903/24-A 02/04/2013 14:45				CCV 460-145903/24-A 02/04/2013 15:07			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.11		5.00	102	5.08		5.00	102	5.11		5.00	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-145902/8 02/04/2013 10:37		CCB 460-145902/20 02/04/2013 11:21		CCB 460-145902/32 02/04/2013 12:06			
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U		
Antimony	10.0	10.0	U	10.0	U	10.0	U		
Arsenic	5.0	5.0	U	5.0	U	5.0	U		
Barium	200	200	U	200	U	200	U		
Beryllium	2.0	2.0	U	2.0	U	2.0	U		
Cadmium	5.0	5.0	U	5.0	U	5.0	U		
Calcium	5000	5000	U	5000	U	5000	U		
Chromium	10.0	10.0	U	10.0	U	10.0	U		
Cobalt	50.0	50.0	U	50.0	U	50.0	U		
Copper	25.0	25.0	U	25.0	U	25.0	U		
Iron	150	150	U	150	U	150	U		
Lead	5.0	5.0	U	5.0	U	5.0	U		
Magnesium	5000	5000	U	5000	U	5000	U		
Manganese	15.0	15.0	U	15.0	U	15.0	U		
Nickel	40.0	40.0	U	40.0	U	40.0	U		
Potassium	5000	5000	U	5000	U	5000	U		
Selenium	10.0	10.0	U	10.0	U	10.0	U		
Silver	10.0	10.0	U	10.0	U	10.0	U		
Sodium	5000	5000	U	5000	U	5000	U		
Thallium	10.0	10.0	U	10.0	U	10.0	U		
Vanadium	50.0	50.0	U	50.0	U	50.0	U		
Zinc	30.0	30.0	U	30.0	U	30.0	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-145961/8 02/04/2013 14:24		CCB 460-145961/20 02/04/2013 14:47		CCB 460-145961/31 02/04/2013 15:08			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-145805/1-A

Instrument Code: ICP4 Batch No.: 145902

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	200	U		6010B
7440-36-0	Antimony	10.0	U		6010B
7440-38-2	Arsenic	5.0	U		6010B
7440-39-3	Barium	200	U		6010B
7440-41-7	Beryllium	2.0	U		6010B
7440-43-9	Cadmium	5.0	U		6010B
7440-70-2	Calcium	5000	U		6010B
7440-47-3	Chromium	10.0	U		6010B
7440-48-4	Cobalt	50.0	U		6010B
7440-50-8	Copper	25.0	U		6010B
7439-89-6	Iron	150	U		6010B
7439-92-1	Lead	5.0	U		6010B
7439-95-4	Magnesium	5000	U		6010B
7439-96-5	Manganese	15.0	U		6010B
7440-02-0	Nickel	40.0	U		6010B
7440-09-7	Potassium	5000	U		6010B
7782-49-2	Selenium	10.0	U		6010B
7440-22-4	Silver	10.0	U		6010B
7440-23-5	Sodium	5000	U		6010B
7440-28-0	Thallium	10.0	U		6010B
7440-62-2	Vanadium	50.0	U		6010B
7440-66-6	Zinc	30.0	U		6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-145903/1-A

Instrument Code: LEEMAN5 Batch No.: 145961

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.20	U		7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab Sample ID: ICSA 460-145902/9 Instrument ID: ICP4

Lab File ID: 02042013.asc ICS Source: ME_ICSA_Duo_00042

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**489700**	**98**
Antimony		**3.88**	
Arsenic		**5.24**	
Barium		**-2.25**	
Beryllium		**0.329**	
Cadmium		**-1.89**	
Calcium	**500000**	**447800**	**90**
Chromium		**-0.244**	
Cobalt		**-0.395**	
Copper		**-0.701**	
Iron	**200000**	**192500**	**96**
Lead		**6.81**	
Magnesium	**500000**	**496800**	**99**
Manganese		**-1.09**	
Nickel		**-1.64**	
Potassium		**233**	
Selenium		**0.731**	
Silver		**-1.48**	
Sodium		**58.9**	
Thallium		**-1.95**	
Vanadium		**-3.84**	
Zinc		**-1.08**	
Boron		*-1.50*	
Molybdenum		*2.00*	
Strontium		*0.171*	
Tin		*1.95*	
Titanium		*-3.20*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Lab Sample ID: ICSAB 460-145902/10 Instrument ID: ICP4

Lab File ID: 02042013.asc ICS Source: ME_ICSAB_DUO_00043

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Aluminum	**500000**	**497200**	**99**
Antimony	**100**	**87.4**	**87**
Arsenic	**100**	**90.8**	**91**
Barium	**100**	**90.9**	**91**
Beryllium	**100**	**95.6**	**96**
Cadmium	**100**	**88.0**	**88**
Calcium	**500000**	**456600**	**91**
Chromium	**100**	**93.9**	**94**
Cobalt	**100**	**86.1**	**86**
Copper	**100**	**95.2**	**95**
Iron	**200000**	**194300**	**97**
Lead	**100**	**93.7**	**94**
Magnesium	**500000**	**501300**	**100**
Manganese	**100**	**94.6**	**95**
Nickel	**100**	**83.9**	**84**
Potassium	**10000**	**10590**	**106**
Selenium	**100**	**86.2**	**86**
Silver	**100**	**105**	**105**
Sodium	**10000**	**10590**	**106**
Thallium	**100**	**90.0**	**90**
Vanadium	**100**	**89.7**	**90**
Zinc	**100**	**87.4**	**87**
Boron	*100*	*89.1*	*89*
Molybdenum	*100*	*89.6*	*90*
Strontium	*100*	*99.2*	*99*
Tin	*100*	*92.4*	*92*
Titanium	*100*	*95.7*	*96*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: MW-1 MS
Lab ID: 460-50248-2 MS
Lab Name: TestAmerica Edison
Job No.: 460-50248-1
SDG No.:
Matrix: Water
Concentration Units: ug/L
% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	1996		200	U	2000	100	75-125		6010B
Antimony	430.7		10.0	U	500	86	75-125		6010B
Arsenic	1818		4.8	J	2000	91	75-125		6010B
Barium	1953		30.6	J	2000	96	75-125		6010B
Beryllium	48.00		2.0	U	50.0	96	75-125		6010B
Cadmium	46.40		5.0	U	50.0	93	75-125		6010B
Calcium	30470		9770		20000	104	75-125		6010B
Chromium	197.5		10.0	U	200	99	75-125		6010B
Cobalt	473.0		50.0	U	500	95	75-125		6010B
Copper	237.4		25.0	U	250	95	75-125		6010B
Iron	28610		27100		1000	148	75-125	4	6010B
Lead	479.9		5.0	U	500	96	75-125		6010B
Magnesium	21600		2420	J	20000	96	75-125		6010B
Manganese	874.8		390		500	97	75-125		6010B
Nickel	479.6		40.0	U	500	96	75-125		6010B
Potassium	21250		2130	J	20000	96	75-125		6010B
Selenium	1767		10.0	U	2000	88	75-125		6010B
Silver	49.86		10.0	U	50.0	100	75-125		6010B
Sodium	41340		21500		20000	99	75-125		6010B
Thallium	1977		10.0	U	2000	99	75-125		6010B
Vanadium	479.1		50.0	U	500	96	75-125		6010B
Zinc	472.9		30.0	U	500	95	75-125		6010B
Mercury	0.993		0.20	U	1.00	99	75-125		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: MW-1 PDS | Lab ID: 460-50248-2 PDS

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

Matrix: Water | Concentration Units: ug/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	1939		200	U	2000	97	75-125		6010B
Antimony	418.7		10.0	U	500	84	75-125		6010B
Arsenic	1770		4.8	J	2000	88	75-125		6010B
Barium	1889		30.6	J	2000	93	75-125		6010B
Beryllium	46.48		2.0	U	50.0	93	75-125		6010B
Cadmium	44.66		5.0	U	50.0	89	75-125		6010B
Calcium	29500		9770		20000	99	75-125		6010B
Chromium	192.0		10.0	U	200	96	75-125		6010B
Cobalt	458.3		50.0	U	500	92	75-125		6010B
Copper	230.8		25.0	U	250	92	75-125		6010B
Iron	27630		27100		1000	NC	75-125		6010B
Lead	462.2		5.0	U	500	92	75-125		6010B
Magnesium	20940		2420	J	20000	93	75-125		6010B
Manganese	851.5		390		500	92	75-125		6010B
Nickel	464.5		40.0	U	500	93	75-125		6010B
Potassium	20620		2130	J	20000	92	75-125		6010B
Selenium	1743		10.0	U	2000	87	75-125		6010B
Silver	47.58		10.0	U	50.0	95	75-125		6010B
Sodium	39950		21500		20000	92	75-125		6010B
Thallium	1915		10.0	U	2000	96	75-125		6010B
Vanadium	464.0		50.0	U	500	93	75-125		6010B
Zinc	457.7		30.0	U	500	92	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VB - IN

6-IN
DUPLICATES
METALS

Client ID: MW-1 DU | Lab ID: 460-50248-2 DU

Lab Name: TestAmerica Edison | Job No.: 460-50248-1

SDG No.:

% Solids for Sample: | % Solids for Duplicate:

Matrix: Water | Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Aluminum	200	200	U	200	U	NC		6010B
Antimony	10.0	10.0	U	10.0	U	NC		6010B
Arsenic	5.0	4.8	J	6.87		35		6010B
Barium	200	30.6	J	31.29	J	2		6010B
Beryllium	2.0	2.0	U	2.0	U	NC		6010B
Cadmium	5.0	5.0	U	5.0	U	NC		6010B
Calcium	5000	9770		9791		0.2		6010B
Chromium	10.0	10.0	U	10.0	U	NC		6010B
Cobalt	50.0	50.0	U	50.0	U	NC		6010B
Copper	25.0	25.0	U	25.0	U	NC		6010B
Iron	150	27100		27750		2		6010B
Lead	5.0	5.0	U	5.0	U	NC		6010B
Magnesium	5000	2420	J	2472	J	2		6010B
Manganese	15.0	390		396.0		2		6010B
Nickel	40.0	40.0	U	40.0	U	NC		6010B
Potassium	5000	2130	J	2146	J	1		6010B
Selenium	10.0	10.0	U	10.0	U	NC		6010B
Silver	10.0	10.0	U	10.0	U	NC		6010B
Sodium	5000	21500		21710		0.9		6010B
Thallium	10.0	10.0	U	10.0	U	NC		6010B
Vanadium	50.0	50.0	U	50.0	U	NC		6010B
Zinc	30.0	30.0	U	30.0	U	NC		6010B
Mercury	0.20	0.20	U	0.20	U	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-145805/2-A

Lab Name: TestAmerica Edison Job No.: 460-50248-1

Sample Matrix: Water LCS Source: ME_LCS-int_00035

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	2000	2007		100	80	120		6010B
Antimony	500	430.5		86	80	120		6010B
Arsenic	2000	1792		90	80	120		6010B
Barium	2000	1918		96	80	120		6010B
Beryllium	50.0	48.36		97	80	120		6010B
Cadmium	50.0	46.94		94	80	120		6010B
Calcium	20000	20880		104	80	120		6010B
Chromium	200	194.2		97	80	120		6010B
Cobalt	500	471.2		94	80	120		6010B
Copper	250	234.8		94	80	120		6010B
Iron	1000	997.0		100	80	120		6010B
Lead	500	480.7		96	80	120		6010B
Magnesium	20000	18970		95	80	120		6010B
Manganese	500	486.3		97	80	120		6010B
Nickel	500	478.9		96	80	120		6010B
Potassium	20000	19330		97	80	120		6010B
Selenium	2000	1787		89	80	120		6010B
Silver	50.0	49.32		99	80	120		6010B
Sodium	20000	19870		99	80	120		6010B
Thallium	2000	1999		100	80	120		6010B
Vanadium	500	472.7		95	80	120		6010B
Zinc	500	470.7		94	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-145903/2-A

Lab Name: TestAmerica Edison Job No.: 460-50248-1

Sample Matrix: Water LCS Source: ME_DCAL-IN_01077

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.00	1.00		100	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-50248-2

SDG No:

Lab Name: TestAmerica Edison Job No: 460-50248-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	200	U	1000	U	NC		6010B
Antimony	10.0	U	50.0	U	NC		6010B
Arsenic	4.8	J	25.0	U	NC		6010B
Barium	30.6	J	30.48	J	NC		6010B
Beryllium	2.0	U	10.0	U	NC		6010B
Cadmium	5.0	U	25.0	U	NC		6010B
Calcium	9770		9650	J	NC		6010B
Chromium	10.0	U	50.0	U	NC		6010B
Cobalt	50.0	U	250	U	NC		6010B
Copper	25.0	U	125	U	NC		6010B
Iron	27100		27160		0.11		6010B
Lead	5.0	U	25.0	U	NC		6010B
Magnesium	2420	J	2456	J	NC		6010B
Manganese	390		387.6		0.51		6010B
Nickel	40.0	U	200	U	NC		6010B
Potassium	2130	J	25000	U	NC		6010B
Selenium	10.0	U	50.0	U	NC		6010B
Silver	10.0	U	50.0	U	NC		6010B
Sodium	21500		21600	J	NC		6010B
Thallium	10.0	U	50.0	U	NC		6010B
Vanadium	50.0	U	250	U	NC		6010B
Zinc	30.0	U	150	U	NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-50248-2

SDG No:

Lab Name: TestAmerica Edison Job No: 460-50248-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	0.20	U	1.0	U	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-50248-1

SDG Number:

Matrix: Water Instrument ID: ICP4

Method: 6010B MDL Date: 11/14/2011 12:49

Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Aluminum		200	72.11
Antimony		10	7.351
Arsenic		5	3.729
Barium		200	5.944
Beryllium		2	0.776
Cadmium		5	0.818
Calcium		5000	304.6
Chromium		10	4.46
Cobalt		50	4.272
Copper		25	7.838
Iron		150	73.6
Lead		5	4.012
Magnesium		5000	321.4
Manganese		15	4.303
Nickel		40	4.981
Potassium		5000	524.8
Selenium		10	5.758
Silver		10	1.339
Sodium		5000	820.7
Thallium		10	5.247
Vanadium		50	4.044
Zinc		30	5.849

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-50248-1

SDG Number:

Matrix: Water Instrument ID: ICP4

Method: 6010B XMDL Date: 11/14/2011 12:49

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		200	72.11
Antimony		10	7.351
Arsenic		5	3.729
Barium		200	5.944
Beryllium		2	0.776
Cadmium		5	0.818
Calcium		5000	304.6
Chromium		10	4.46
Cobalt		50	4.272
Copper		25	7.838
Iron		150	73.6
Lead		5	4.012
Magnesium		5000	321.4
Manganese		15	4.303
Nickel		40	4.981
Potassium		5000	524.8
Selenium		10	5.758
Silver		10	1.339
Sodium		5000	820.7
Thallium		10	5.247
Vanadium		50	4.044
Zinc		30	5.849

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-50248-1

SDG Number:

Matrix: Water Instrument ID: LEEMAN5

Method: 7470A MDL Date: 11/14/2011 12:40

Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.16

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-50248-1

SDG Number:

Matrix: Water Instrument ID: LEEMAN5

Method: 7470A XMDL Date: 11/14/2011 12:40

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.16

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Edison Job No: 460-50248-1

SDG No.:

Instrument ID: ICP4 Date: 01/05/2012 09:24

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum		1000000	6010B
Antimony		8000	6010B
Arsenic		20000	6010B
Barium		80000	6010B
Beryllium		8000	6010B
Cadmium		10000	6010B
Calcium		1000000	6010B
Chromium		40000	6010B
Cobalt		20000	6010B
Copper		100000	6010B
Iron		800000	6010B
Lead		60000	6010B
Magnesium		1000000	6010B
Manganese		40000	6010B
Nickel		20000	6010B
Potassium		400000	6010B
Selenium		20000	6010B
Silver		10000	6010B
Sodium		1000000	6010B
Thallium		20000	6010B
Vanadium		20000	6010B
Zinc		20000	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-145805/1-A	02/03/2013 13:10	145805		100	100
LCS 460-145805/2-A	02/03/2013 13:10	145805		100	100
460-50248-2	02/03/2013 13:10	145805		100	100
460-50248-2 DU	02/03/2013 13:10	145805		100	100
460-50248-2 MS	02/03/2013 13:10	145805		100	100
460-50248-1	02/03/2013 13:10	145805		100	100
460-50248-3	02/03/2013 13:10	145805		100	100
460-50248-4	02/03/2013 13:10	145805		100	100
460-50248-5	02/03/2013 13:10	145805		100	100
460-50248-6	02/03/2013 13:10	145805		100	100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-145903/1-A	02/04/2013 12:53	145903		30	30
LCS 460-145903/2-A	02/04/2013 12:53	145903		30	30
460-50248-2	02/04/2013 12:53	145903		30	30
460-50248-2 DU	02/04/2013 12:53	145903		30	30
460-50248-2 MS	02/04/2013 12:53	145903		30	30
460-50248-1	02/04/2013 12:53	145903		30	30
460-50248-3	02/04/2013 12:53	145903		30	30
460-50248-4	02/04/2013 12:53	145903		30	30
460-50248-5	02/04/2013 12:53	145903		30	30
460-50248-6	02/04/2013 12:53	145903		30	30

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Instrument ID: ICP4 Method: 6010B

Start Date: 02/04/2013 10:12 End Date: 02/04/2013 15:42

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			10:12																				
ZZZZZZ			10:15																				
ZZZZZZ			10:19																				
ZZZZZZ			10:23																				
ZZZZZZ			10:26																				
ZZZZZZ			10:30																				
ICV 460-145902/7	1		10:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 460-145902/8	1		10:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 460-145902/9	1		10:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 460-145902/10	1		10:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			10:48																				
460-50248-2 DU	1	T	10:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-50248-2	1	T	10:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-50248-2 SD	5	T	11:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-50248-2 MS	1	T	11:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-50248-2 PDS	1	T	11:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:11																				
LCS 460-145805/2-A	1	T	11:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 460-145902/19	1		11:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-145902/20	1		11:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 460-145805/1-A	1	T	11:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:29																				
460-50248-1	1	T	11:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-50248-3	1	T	11:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-50248-4	1	T	11:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-50248-5	1	T	11:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-50248-6	1	T	11:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			11:52																				
ZZZZZZ			11:56																				
ZZZZZZ			11:59																				
CCV 460-145902/31	1		12:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-145902/32	1		12:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:10																				
ZZZZZZ			12:14																				
ZZZZZZ			12:18																				
ZZZZZZ			12:21																				
ZZZZZZ			12:25																				
ZZZZZZ			12:29																				
ZZZZZZ			12:32																				
ZZZZZZ			12:36																				
ZZZZZZ			12:40																				
CCV 460-145902/42			12:46																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Instrument ID: ICP4 Method: 6010B

Start Date: 02/04/2013 10:12 End Date: 02/04/2013 15:42

Lab Sample ID	D/F	Type	Time	Analytes																				
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
CCB 460-145902/43			12:50																				
ZZZZZZ			12:54																				
ZZZZZZ			12:57																				
ZZZZZZ			13:01																				
ZZZZZZ			13:05																				
ZZZZZZ			13:08																				
ZZZZZZ			13:12																				
ZZZZZZ			13:15																				
ZZZZZZ			13:19																				
ZZZZZZ			13:23																				
ZZZZZZ			13:26																				
CCV 460-145902/54			13:30																				
CCB 460-145902/55			13:33																				
ZZZZZZ			13:37																				
ZZZZZZ			13:41																				
ZZZZZZ			13:44																				
ZZZZZZ			13:48																				
ZZZZZZ			13:52																				
ZZZZZZ			13:56																				
ZZZZZZ			13:59																				
ZZZZZZ			14:03																				
ZZZZZZ			14:07																				
ZZZZZZ			14:10																				
CCV 460-145902/66			14:14																				
CCB 460-145902/67			14:17																				
ZZZZZZ			14:21																				
ZZZZZZ			14:25																				
ZZZZZZ			14:29																				
ZZZZZZ			14:33																				
ZZZZZZ			14:36																				
ZZZZZZ			14:40																				
ZZZZZZ			14:44																				
ZZZZZZ			14:48																				
ZZZZZZ			14:51																				
ZZZZZZ			14:55																				
CCV 460-145902/78			14:58																				
CCB 460-145902/79			15:02																				
ZZZZZZ			15:06																				
ZZZZZZ			15:09																				
ZZZZZZ			15:13																				
ZZZZZZ			15:17																				
ZZZZZZ			15:21																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Instrument ID: ICP4 Method: 6010B

Start Date: 02/04/2013 10:12 End Date: 02/04/2013 15:42

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			15:24																				
ZZZZZZ			15:28																				
ZZZZZZ			15:32																				
ZZZZZZ			15:35																				
CCV 460-145902/89			15:39																				
CCB 460-145902/90			15:42																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Instrument ID: ICP4 Method: 6010B

Start Date: 02/04/2013 10:12 End Date: 02/04/2013 15:42

Lab Sample ID	D / F	Type	Time	Analytes																				
				V	Zn																			
ZZZZZZ			10:12																					
ZZZZZZ			10:15																					
ZZZZZZ			10:19																					
ZZZZZZ			10:23																					
ZZZZZZ			10:26																					
ZZZZZZ			10:30																					
ICV 460-145902/7	1		10:33	X	X																			
ICB 460-145902/8	1		10:37	X	X																			
ICSA 460-145902/9	1		10:40	X	X																			
ICSAB 460-145902/10	1		10:44	X	X																			
ZZZZZZ			10:48																					
460-50248-2 DU	1	T	10:52	X	X																			
460-50248-2	1	T	10:56	X	X																			
460-50248-2 SD	5	T	11:00	X	X																			
460-50248-2 MS	1	T	11:04	X	X																			
460-50248-2 PDS	1	T	11:07	X	X																			
ZZZZZZ			11:11																					
LCS 460-145805/2-A	1	T	11:14	X	X																			
CCV 460-145902/19	1		11:18	X	X																			
CCB 460-145902/20	1		11:21	X	X																			
MB 460-145805/1-A	1	T	11:25	X	X																			
ZZZZZZ			11:29																					
460-50248-1	1	T	11:33	X	X																			
460-50248-3	1	T	11:37	X	X																			
460-50248-4	1	T	11:41	X	X																			
460-50248-5	1	T	11:44	X	X																			
460-50248-6	1	T	11:48	X	X																			
ZZZZZZ			11:52																					
ZZZZZZ			11:56																					
ZZZZZZ			11:59																					
CCV 460-145902/31	1		12:03	X	X																			
CCB 460-145902/32	1		12:06	X	X																			
ZZZZZZ			12:10																					
ZZZZZZ			12:14																					
ZZZZZZ			12:18																					
ZZZZZZ			12:21																					
ZZZZZZ			12:25																					
ZZZZZZ			12:29																					
ZZZZZZ			12:32																					
ZZZZZZ			12:36																					
ZZZZZZ			12:40																					
CCV 460-145902/42			12:46																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Instrument ID: ICP4 Method: 6010B

Start Date: 02/04/2013 10:12 End Date: 02/04/2013 15:42

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
CCB 460-145902/43			12:50																				
ZZZZZZ			12:54																				
ZZZZZZ			12:57																				
ZZZZZZ			13:01																				
ZZZZZZ			13:05																				
ZZZZZZ			13:08																				
ZZZZZZ			13:12																				
ZZZZZZ			13:15																				
ZZZZZZ			13:19																				
ZZZZZZ			13:23																				
ZZZZZZ			13:26																				
CCV 460-145902/54			13:30																				
CCB 460-145902/55			13:33																				
ZZZZZZ			13:37																				
ZZZZZZ			13:41																				
ZZZZZZ			13:44																				
ZZZZZZ			13:48																				
ZZZZZZ			13:52																				
ZZZZZZ			13:56																				
ZZZZZZ			13:59																				
ZZZZZZ			14:03																				
ZZZZZZ			14:07																				
ZZZZZZ			14:10																				
CCV 460-145902/66			14:14																				
CCB 460-145902/67			14:17																				
ZZZZZZ			14:21																				
ZZZZZZ			14:25																				
ZZZZZZ			14:29																				
ZZZZZZ			14:33																				
ZZZZZZ			14:36																				
ZZZZZZ			14:40																				
ZZZZZZ			14:44																				
ZZZZZZ			14:48																				
ZZZZZZ			14:51																				
ZZZZZZ			14:55																				
CCV 460-145902/78			14:58																				
CCB 460-145902/79			15:02																				
ZZZZZZ			15:06																				
ZZZZZZ			15:09																				
ZZZZZZ			15:13																				
ZZZZZZ			15:17																				
ZZZZZZ			15:21																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Instrument ID: ICP4 Method: 6010B

Start Date: 02/04/2013 10:12 End Date: 02/04/2013 15:42

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			15:24																				
ZZZZZZ			15:28																				
ZZZZZZ			15:32																				
ZZZZZZ			15:35																				
CCV 460-145902/89			15:39																				
CCB 460-145902/90			15:42																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

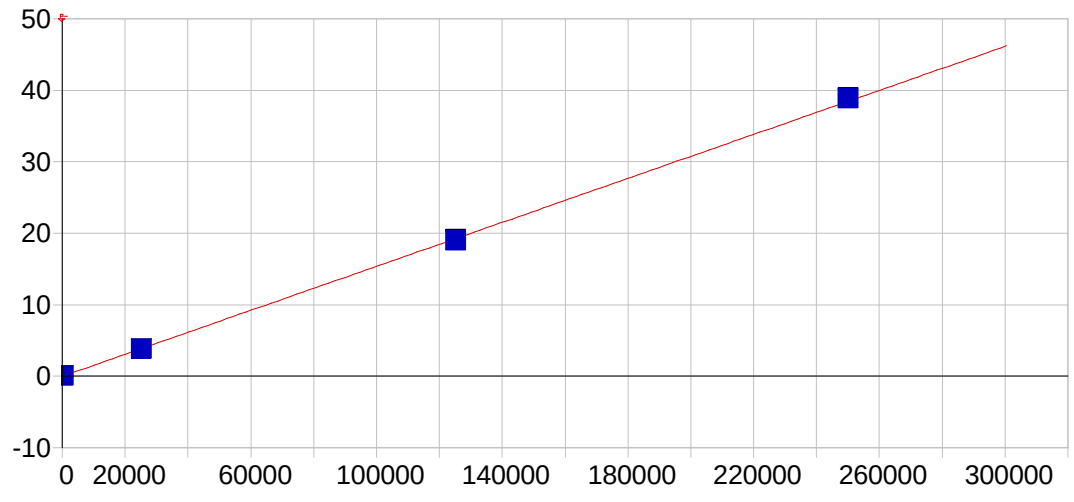
Instrument ID: LEEMAN5 Method: 7470A

Start Date: 02/04/2013 14:10 End Date: 02/04/2013 15:08

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
IC 460-145903/17-A			14:10	X																			
IC 460-145903/18-A			14:12	X																			
IC 460-145903/19-A			14:14	X																			
IC 460-145903/20-A			14:16	X																			
IC 460-145903/21-A			14:18	X																			
IC 460-145903/22-A			14:20	X																			
ICV 460-145903/23-A	1		14:22	X																			
ICB 460-145961/8	1		14:24	X																			
ZZZZZZ			14:26																				
ZZZZZZ			14:28																				
MB 460-145903/1-A	1	T	14:30	X																			
LCS 460-145903/2-A	1	T	14:32	X																			
460-50248-2	1	T	14:34	X																			
460-50248-2 DU	1	T	14:36	X																			
460-50248-2 MS	1	T	14:37	X																			
ZZZZZZ			14:40																				
ZZZZZZ			14:41																				
ZZZZZZ			14:43																				
CCV 460-145903/24-A	1		14:45	X																			
CCB 460-145961/20	1		14:47	X																			
ZZZZZZ			14:49																				
ZZZZZZ			14:50																				
460-50248-1	1	T	14:53	X																			
460-50248-3	1	T	14:54	X																			
460-50248-4	1	T	14:56	X																			
460-50248-5	1	T	14:58	X																			
460-50248-6	1	T	15:00	X																			
ZZZZZZ			15:02																				
460-50248-2 SD	5	T	15:04	X																			
CCV 460-145903/24-A	1		15:07	X																			
CCB 460-145961/31	1		15:08	X																			

Prep Types

T = Total/NA

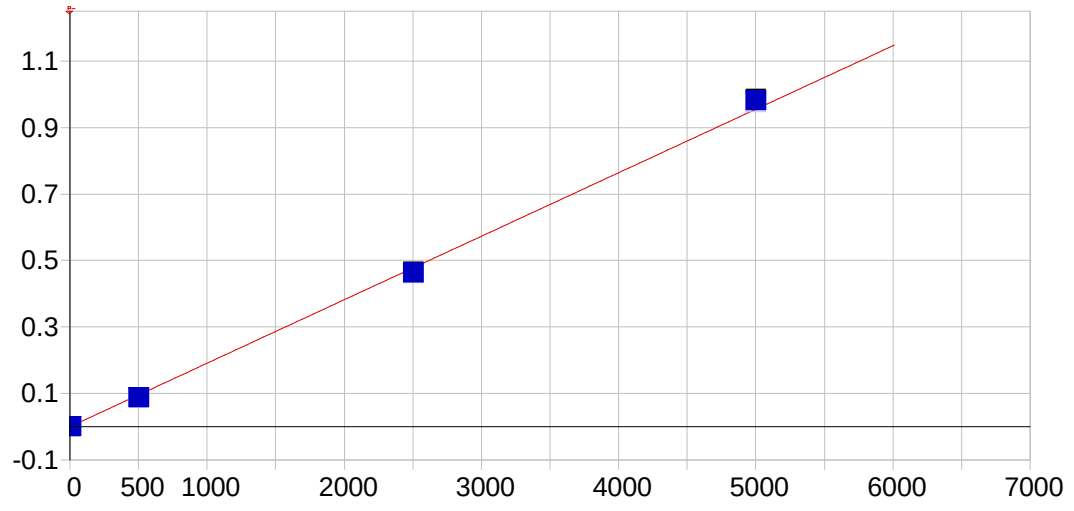


Al 396.152 { 85}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.004915	Re-Slope:	1.000000
A1 (Gain):	0.000154	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999918	Status:	OK.
Std Error of Est:	0.000718		
Predicted MDL:	25.438224		
Predicted MQL:	84.794079		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00306	.003	.000	-.00491	.004	1
DCAL2	200.00	201.30	1.30	.648	.02597	.003	1
DCAL3	25000.	24629.	-371.	-1.48	3.7849	.025	1
DCAL4	125000.	122890.	-2110.	-1.69	18.905	.200	1
DCAL5	250000.	252480.	2480.	.991	38.844	.067	1



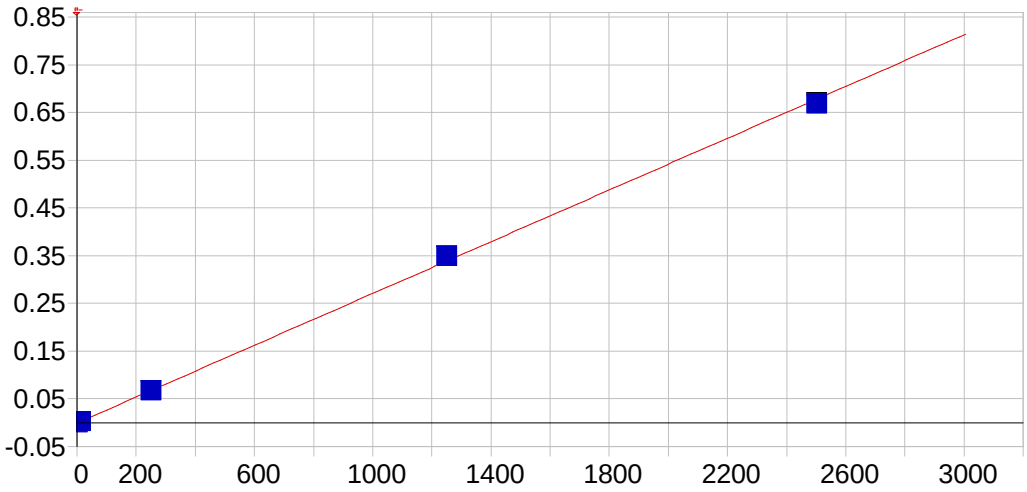
As 189.042 {478}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000396	Re-Slope:	1.000000
A1 (Gain):	0.000191	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999377	Status:	OK.
Std Error of Est:	0.000055		

Predicted MDL:	2.742208
Predicted MQL:	9.140694

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00141	.001	.000	-.00040	.001	1
DCAL2	5.0000	4.0625	-.937	-18.7	.00038	.001	1
DCAL3	500.00	456.21	-43.8	-8.76	.08635	.001	1
DCAL4	2500.0	2418.2	-81.8	-3.27	.45953	.002	1
DCAL5	5000.0	5126.6	127.	2.53	.97494	.004	1

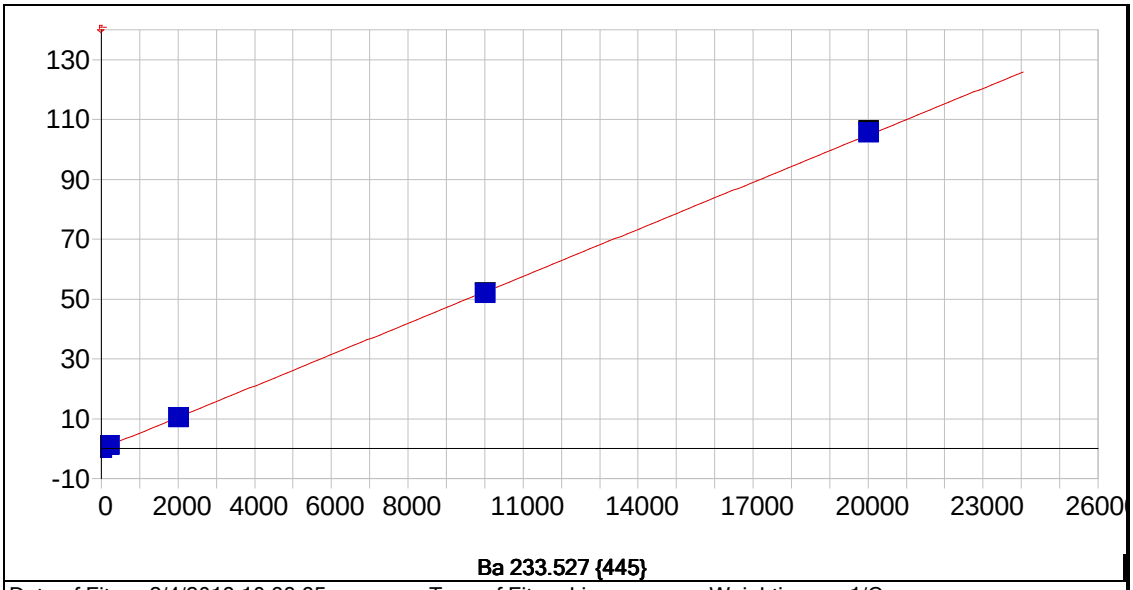


Ag 328.068 {103}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000415	Re-Slope:	1.000000
A1 (Gain):	0.000271	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999793	Status:	OK.
Std Error of Est:	0.000045		
Predicted MDL:	1.150642		
Predicted MQL:	3.835475		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00015	.000	.000	-.00041	.000	1
DCAL2	10.000	10.123	.123	1.23	.00233	.000	1
DCAL3	250.00	246.45	-3.55	-1.42	.06638	.000	1
DCAL4	1250.0	1287.7	37.7	3.01	.34860	.001	1
DCAL5	2500.0	2465.8	-34.2	-1.37	.66789	.003	1

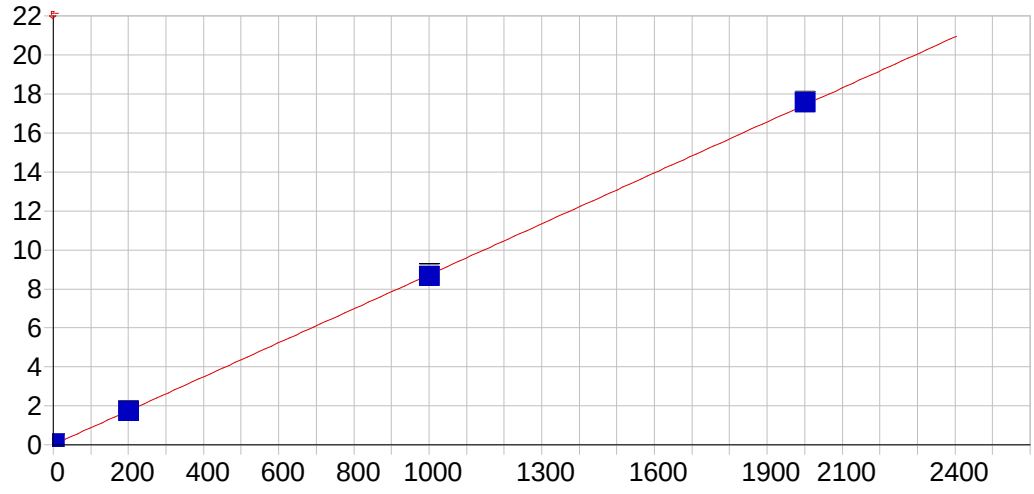


Ba 233.527 {445}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000286	Re-Slope:	1.000000
A1 (Gain):	0.005238	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999954	Status:	OK.
Std Error of Est:	0.005205		
Predicted MDL:	0.169282		
Predicted MQL:	0.564273		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00933	.009	.000	-.00024	.001	1
DCAL2	200.00	195.63	-4.37	-2.19	1.0240	.002	1
DCAL3	2000.0	1954.6	-45.4	-2.27	10.225	.081	1
DCAL4	10000.	9908.5	-91.5	-.915	51.839	.168	1
DCAL5	20000.	20141.	141.	.707	105.38	.616	1



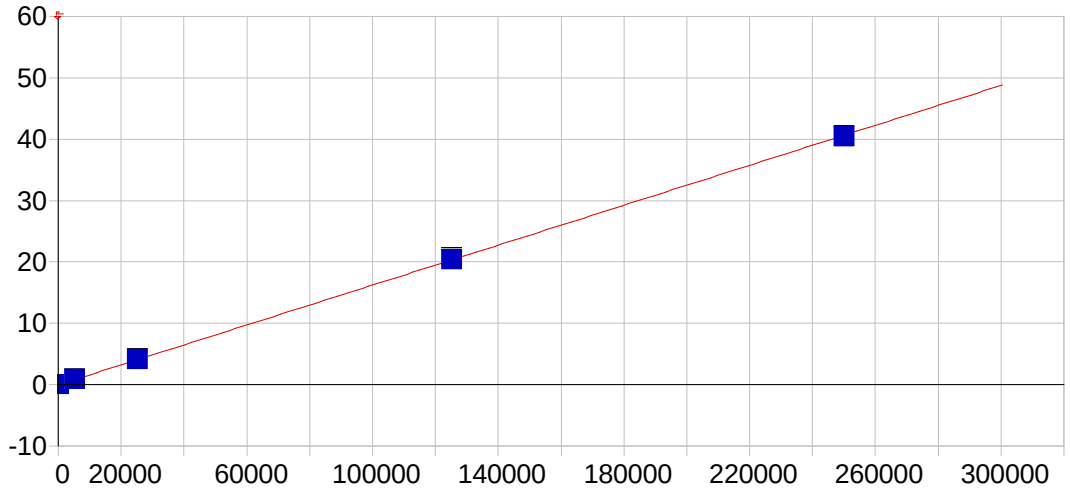
Be 313.042 {108}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.004054	Re-Slope:	1.000000
A1 (Gain):	0.008720	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999965	Status:	OK.
Std Error of Est:	0.000239		
Predicted MDL:	0.299208		

Predicted MQL: 0.997359

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00002	.000	.000	.00405	.002	1
DCAL2	2.0000	2.0244	.024	1.22	.02188	.003	1
DCAL3	200.00	196.19	-3.81	-1.90	1.7166	.007	1
DCAL4	1000.0	991.33	-8.67	-.867	8.6570	.124	1
DCAL5	2000.0	2012.4	12.4	.622	17.570	.047	1

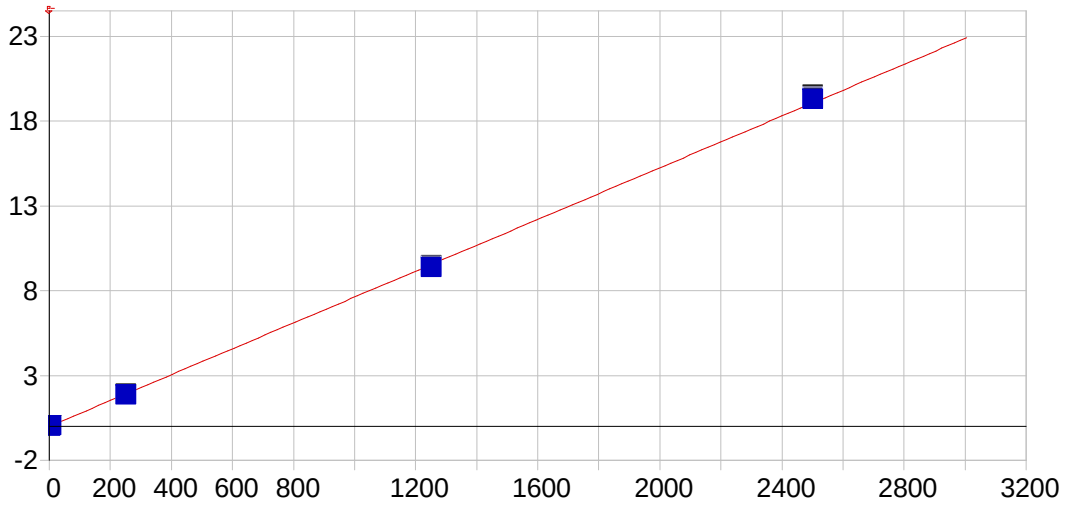


Ca 422.673 { 80}

Date of Fit: 2/4/2013 10:33:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.036237	Re-Slope:	1.000000
A1 (Gain):	0.000163	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999956	Status:	OK.
Std Error of Est:	0.002793		
Predicted MDL:	23.031450		
Predicted MQL:	76.771501		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.35442	-.354	.000	-.03629	.002	1
DCAL2	5000.0	5239.7	240.	4.79	.81614	.005	1
DCAL3	25000.	25610.	610.	2.44	4.1299	.014	1
DCAL4	125000.	125490.	486.	.389	20.377	.252	1
DCAL5	250000.	248660.	-1340.	-.534	40.416	.043	1

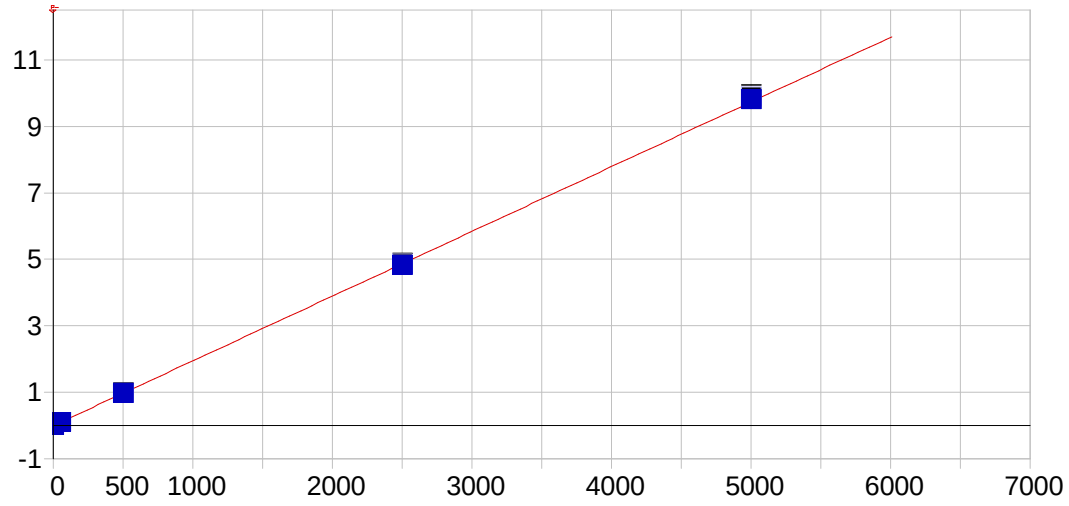


Cd 226.502 {449}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000471	Re-Slope:	1.000000
A1 (Gain):	0.007624	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999882	Status:	OK.
Std Error of Est:	0.000608		
Predicted MDL:	0.136616		
Predicted MQL:	0.455387		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00021	.000	.000	-.00047	.001	1
DCAL2	4.0000	3.9445	-.056	-1.39	.02970	.001	1
DCAL3	250.00	241.92	-8.08	-3.23	1.8574	.014	1
DCAL4	1250.0	1229.0	-21.0	-1.68	9.4369	.040	1
DCAL5	2500.0	2529.1	29.1	1.17	19.417	.109	1

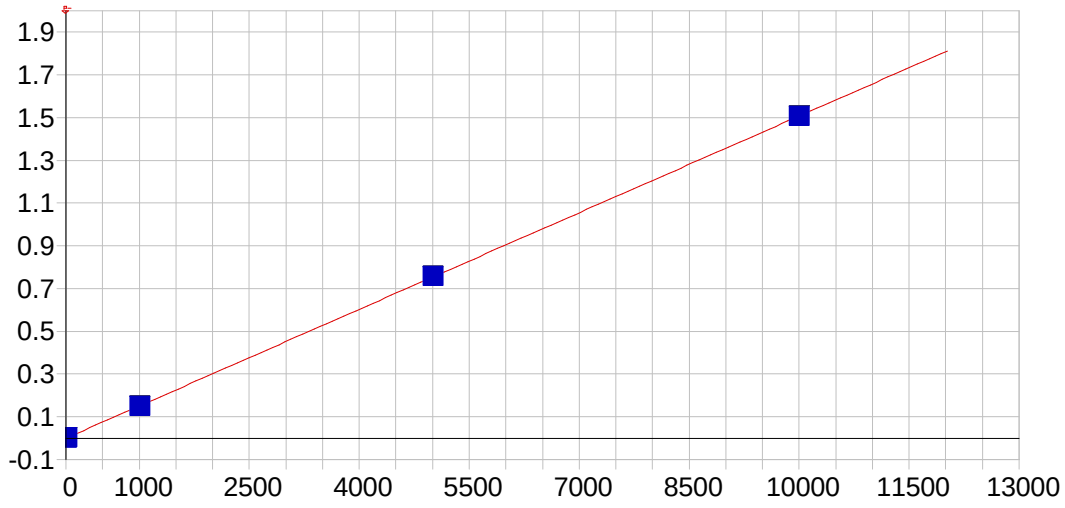


Co 228.616 {447}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000207	Re-Slope:	1.000000
A1 (Gain):	0.001947	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999958	Status:	OK.
Std Error of Est:	0.000466		
Predicted MDL:	0.462494		
Predicted MQL:	1.541648		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00157	.002	.000	-.00020	.001	1
DCAL2	50.000	49.506	-.494	-.987	.09617	.000	1
DCAL3	500.00	490.86	-9.14	-1.83	.96383	.006	1
DCAL4	2500.0	2474.2	-25.8	-1.03	4.8587	.014	1
DCAL5	5000.0	5035.4	35.4	.708	9.8869	.044	1

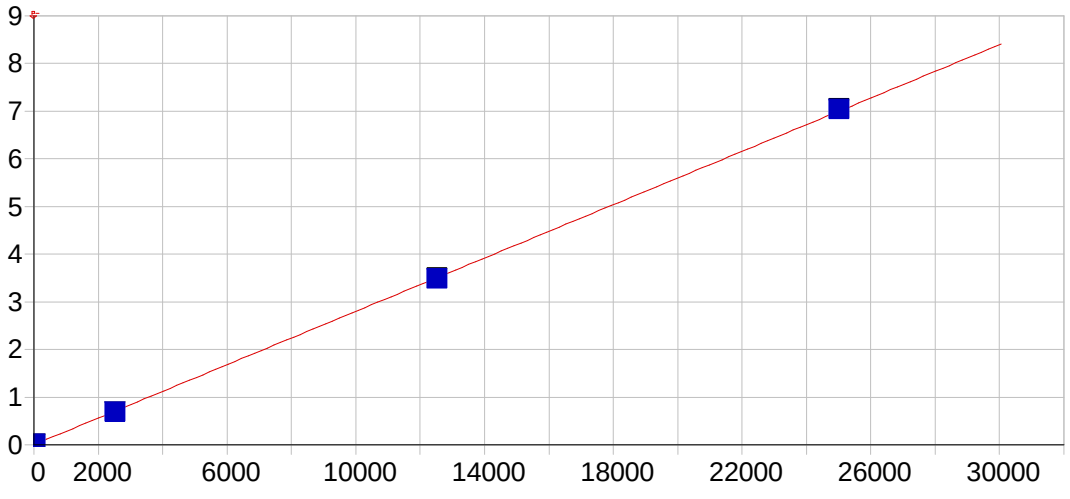


Cr 267.716 {126}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000237	Re-Slope:	1.000000
A1 (Gain):	0.000151	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999997	Status:	OK.
Std Error of Est:	0.000006		
Predicted MDL:	0.910720		
Predicted MQL:	3.035733		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00017	.000	.000	-.00024	.000	1
DCAL2	10.000	10.207	.207	2.07	.00132	.000	1
DCAL3	1000.0	993.95	-6.05	-.605	.14963	.000	1
DCAL4	5000.0	5013.1	13.1	.261	.75563	.001	1
DCAL5	10000.	9992.8	-7.22	-.072	1.5065	.003	1



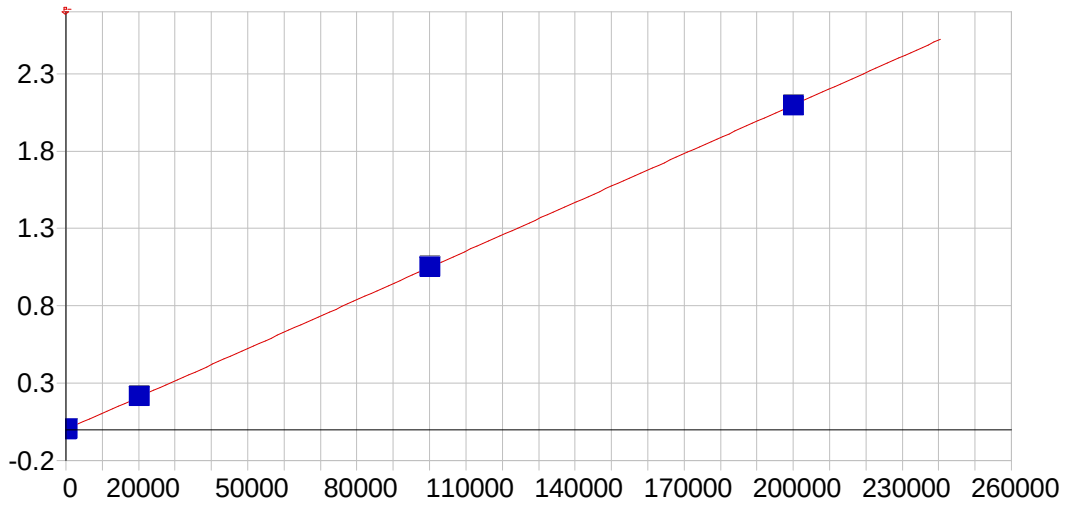
Cu 324.754 {104}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002569	Re-Slope:	1.000000
A1 (Gain):	0.000280	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999957	Status:	OK.
Std Error of Est:	0.000064		
Predicted MDL:	0.879585		

Predicted MQL: 2.931951

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00162	.002	.000	.00257	.000	1
DCAL1	10.000	9.1008	-.899	-8.99	.00511	.000	1
DCAL2	25.000	23.939	-1.06	-4.24	.00926	.000	1
DCAL3	2500.0	2422.5	-77.5	-3.10	.67959	.001	1
DCAL4	12500.	12446.	-53.5	-.428	3.4812	.007	1
DCAL5	25000.	25133.	133.	.532	7.0270	.014	1

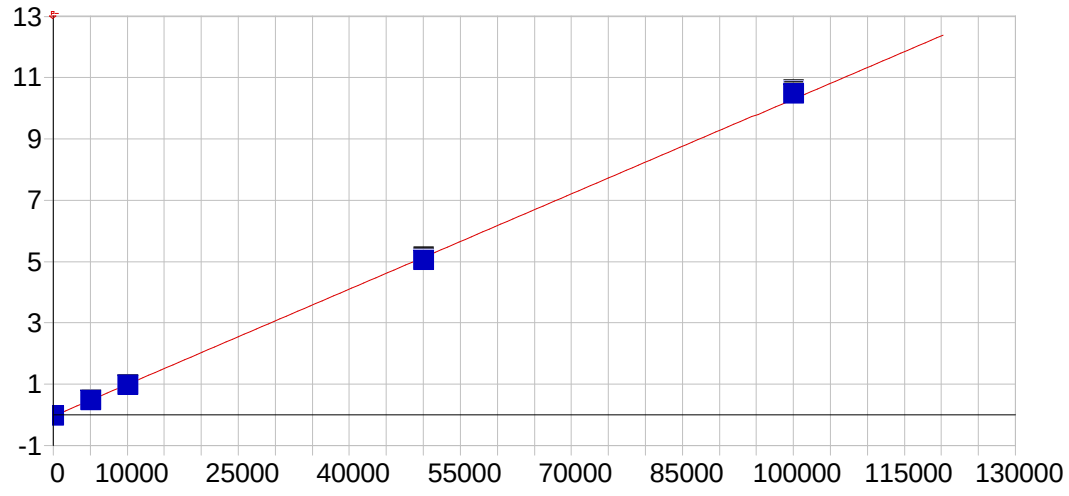


Fe 271.441 {124}

Date of Fit: 2/4/2013 10:33:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.000023	Re-Slope:	1.000000
A1 (Gain):	0.000010	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999925	Status:	OK.
Std Error of Est:	0.000028		
Predicted MDL:	15.602560		
Predicted MQL:	52.008532		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.05697	-.057	.000	-.00002	.000	1
DCAL1	100.00	101.61	1.61	1.61	.00104	.000	1
DCAL2	150.00	231.54	81.5	54.4	.00243	.000	1
DCAL3	20000.	20205.	205.	1.02	.21216	.001	1
DCAL4	100000.	100240.	240.	.240	1.0527	.002	1
DCAL5	200000.	199470.	-529.	-.264	2.0948	.001	1

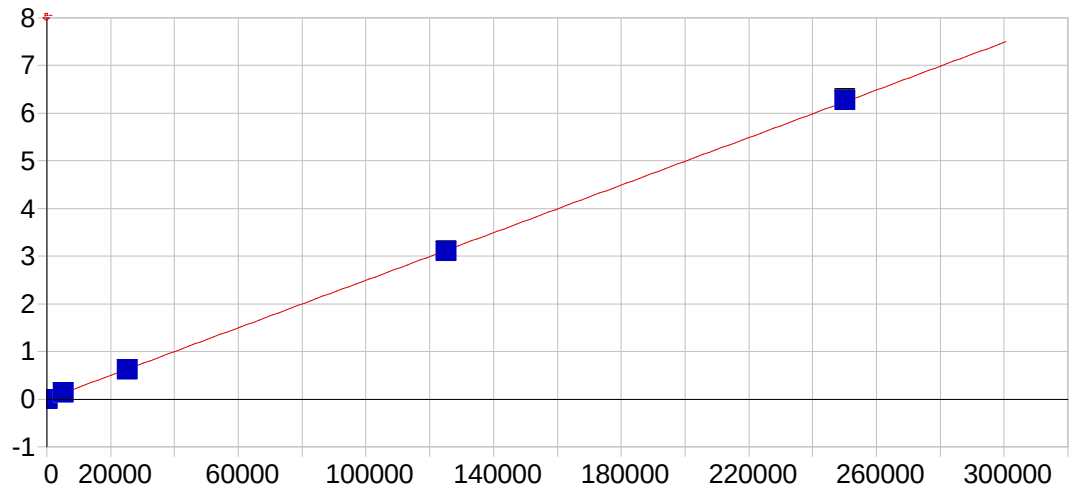


K 766.490 { 44}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.030551	Re-Slope:	1.000000
A1 (Gain):	0.000103	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999803	Status:	OK.
Std Error of Est:	0.002429		
Predicted MDL:	75.687021		
Predicted MQL:	252.290069		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.37002	.370	.000	-.03051	.002	1
DCAL2	5000.0	4864.7	-135.	-2.71	.47428	.006	1
DCAL3	10000.	9575.1	-425.	-4.25	.96884	.008	1
DCAL4	50000.	48996.	-1000.	-2.01	5.0822	.059	1
DCAL5	100000.	101560.	1560.	1.56	10.564	.018	1



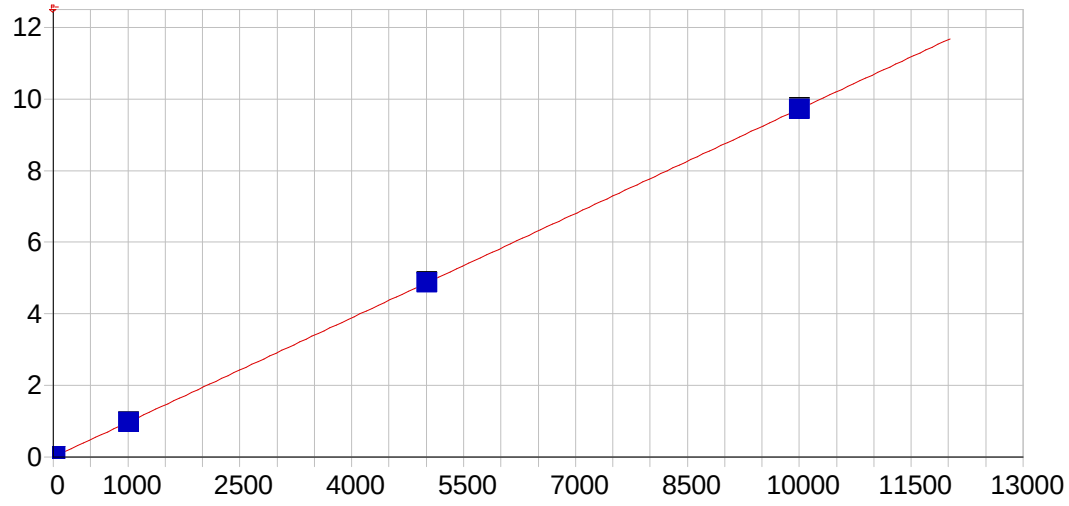
Mg 279.079 {121}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000044	Re-Slope:	1.000000
A1 (Gain):	0.000025	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999968	Status:	OK.
Std Error of Est:	0.000369		
Predicted MDL:	6.999633		

Predicted MQL: 23.332111

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.14022	.140	.000	-.00004	.000	1
DCAL2	5000.0	4982.5	-17.5	-.351	.12427	.000	1
DCAL3	25000.	24399.	-601.	-2.41	.60872	.002	1
DCAL4	125000.	124260.	-740.	-.592	3.1003	.002	1
DCAL5	250000.	251360.	1360.	.543	6.2715	.024	1

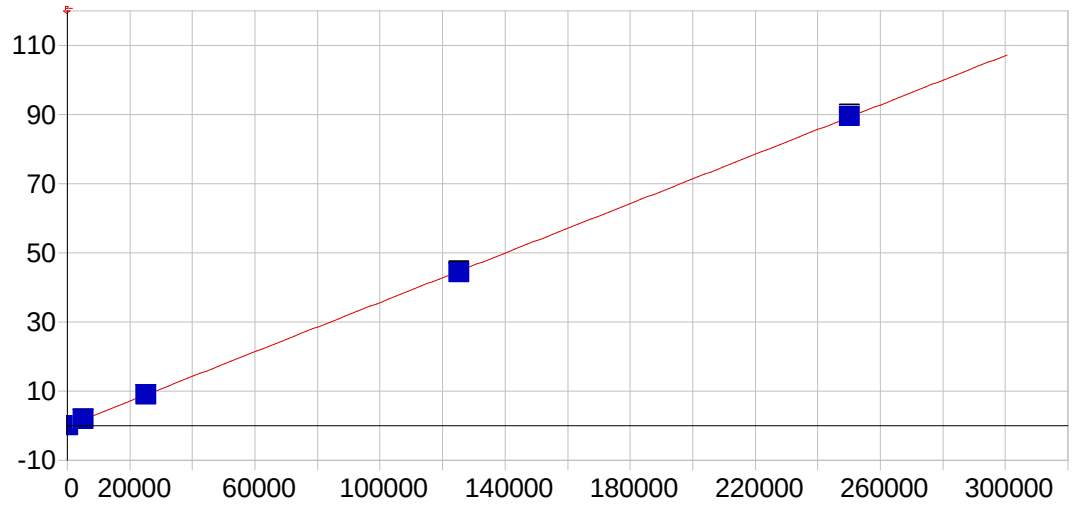


Mn 257.610 {131}

Date of Fit: 2/4/2013 10:33:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000263 Re-Slope: 1.000000
A1 (Gain): 0.000972 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999998 Status: OK.
Std Error of Est: 0.000038
Predicted MDL: 0.168027
Predicted MQL: 0.560091

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00071	-.001	.000	.00026	.000	1
DCAL2	15.000	15.732	.732	4.88	.01556	.000	1
DCAL3	1000.0	997.28	-2.72	-.272	.96966	.003	1
DCAL4	5000.0	5008.7	8.67	.173	4.8689	.011	1
DCAL5	10000.	9993.3	-6.69	-.067	9.7141	.032	1

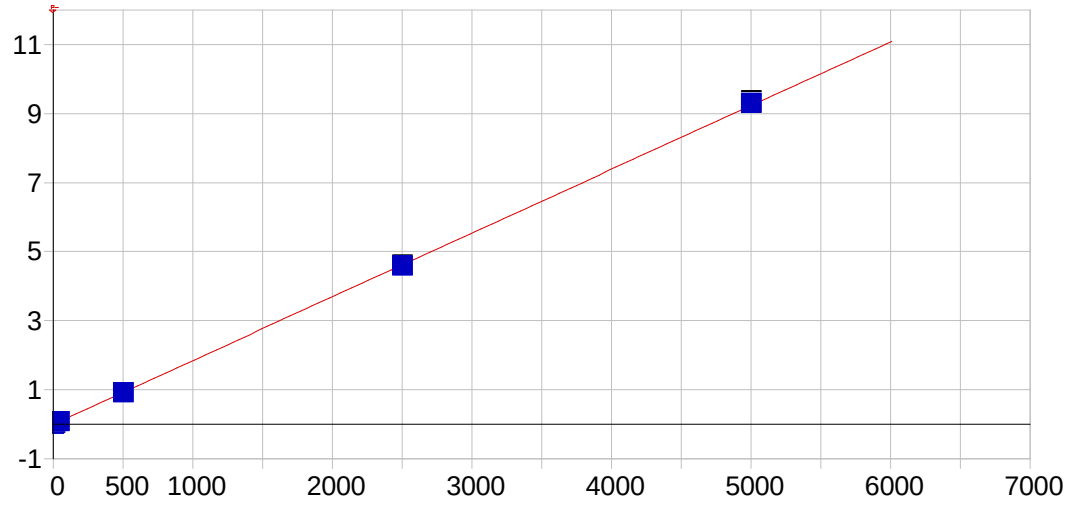


Na 589.592 { 57}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.016802	Re-Slope:	1.000000
A1 (Gain):	0.000357	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999985	Status:	OK.
Std Error of Est:	0.003555		
Predicted MDL:	22.537817		
Predicted MQL:	75.126057		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.07614	-.076	.000	-.01683	.011	1
DCAL2	5000.0	5102.3	102.	2.05	1.8047	.022	1
DCAL3	25000.	24969.	-31.3	-.125	8.9029	.044	1
DCAL4	125000.	124070.	-926.	-.741	44.307	.394	1
DCAL5	250000.	250850.	855.	.342	89.597	.452	1

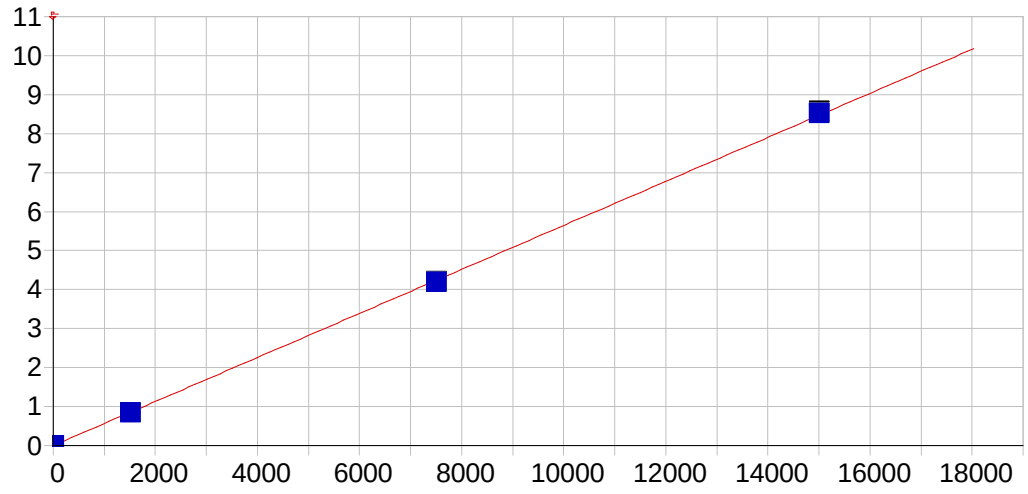


Ni 231.604 {446}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000092	Re-Slope:	1.000000
A1 (Gain):	0.001847	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999967	Status:	OK.
Std Error of Est:	0.000166		
Predicted MDL:	0.554217		
Predicted MQL:	1.847391		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00009	.000	.000	-.00009	.001	1
DCAL1	10.000	10.459	.459	4.59	.01923	.001	1
DCAL2	40.000	39.237	-.763	-1.91	.07242	.001	1
DCAL3	500.00	492.45	-7.55	-1.51	.91111	.006	1
DCAL4	2500.0	2477.4	-22.6	-.904	4.5839	.022	1
DCAL5	5000.0	5030.5	30.5	.609	9.3076	.058	1

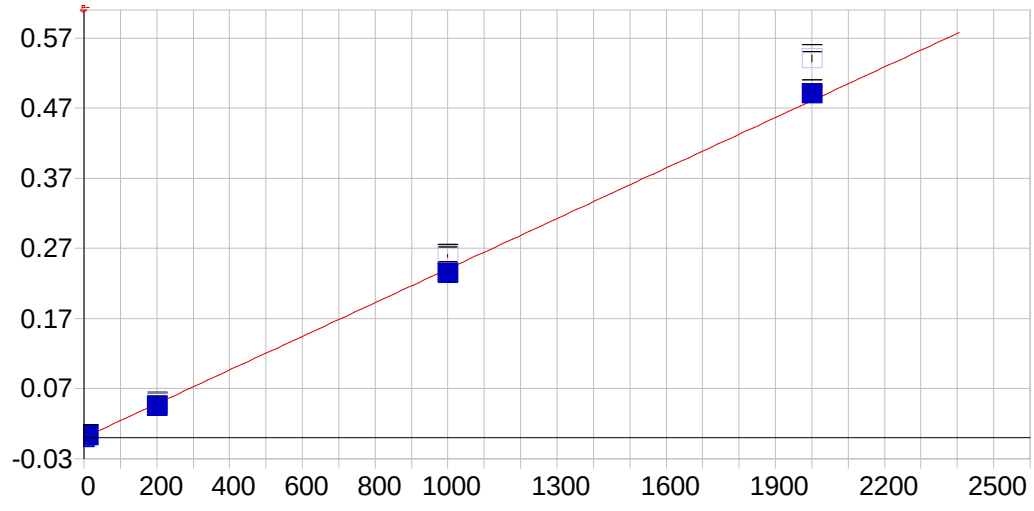


Pb 220.353 {453}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001229	Re-Slope:	1.000000
A1 (Gain):	0.000564	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999956	Status:	OK.
Std Error of Est:	0.000074		
Predicted MDL:	1.803786		
Predicted MQL:	6.012619		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00116	-.001	.000	.00123	.001	1
DCAL2	5.0000	6.2412	1.24	24.8	.00475	.001	1
DCAL3	1500.0	1481.2	-18.8	-1.25	.83589	.006	1
DCAL4	7500.0	7418.3	-81.7	-1.09	4.1814	.015	1
DCAL5	15000.	15099.	99.2	.661	8.5097	.051	1



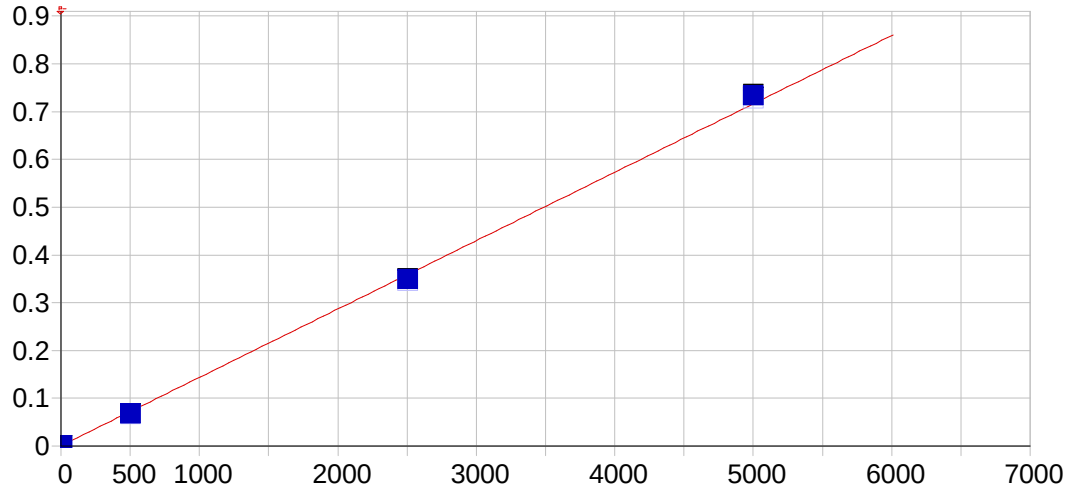
Sb 206.833 {463}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000562	Re-Slope:	1.000000
A1 (Gain):	0.000240	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999619	Status:	OK.
Std Error of Est:	0.000054		
Predicted MDL:	3.115922		

Predicted MQL: 10.386405

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00055	-.001	.000	.00056	.001	1
DCAL2	10.000	11.419	1.42	14.2	.00329	.000	1
DCAL3	200.00	183.74	-16.3	-8.13	.04972	.000	1
DCAL4	1000.0	974.56	-25.4	-2.54	.25976	.002	1
DCAL5	2000.0	2040.4	40.4	2.02	.54089	.005	1

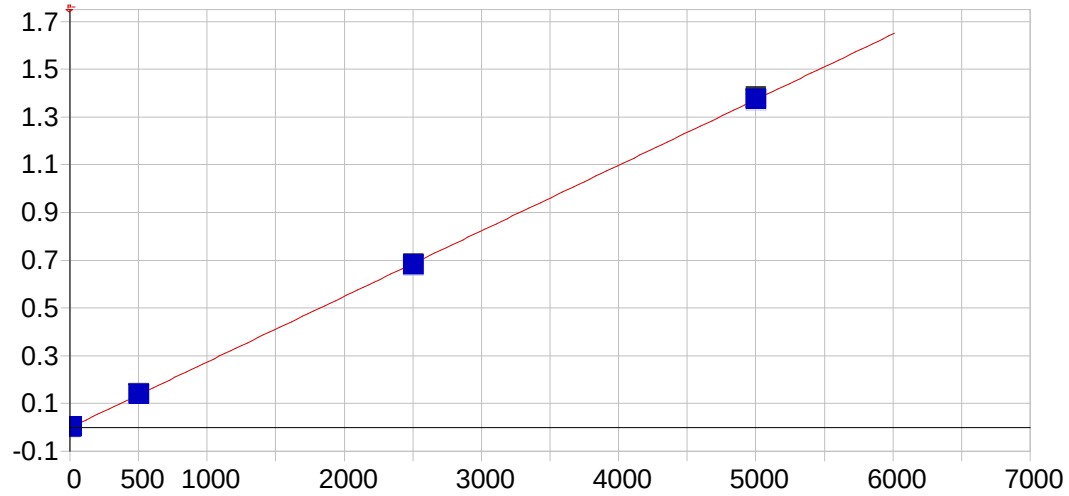


Se 196.090 {472}

Date of Fit: 2/4/2013 10:33:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000584 Re-Slope: 1.000000
A1 (Gain): 0.000143 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999244 Status: OK.
Std Error of Est: 0.000045
Predicted MDL: 4.143934
Predicted MQL: 13.813113

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00496	.005	.000	.00058	.000	1
DCAL2	5.0000	.46414	-4.54	-90.7	.00065	.000	1
DCAL3	500.00	460.41	-39.6	-7.92	.06579	.001	1
DCAL4	2500.0	2429.3	-70.7	-2.83	.34485	.001	1
DCAL5	5000.0	5114.8	115.	2.30	.72578	.003	1

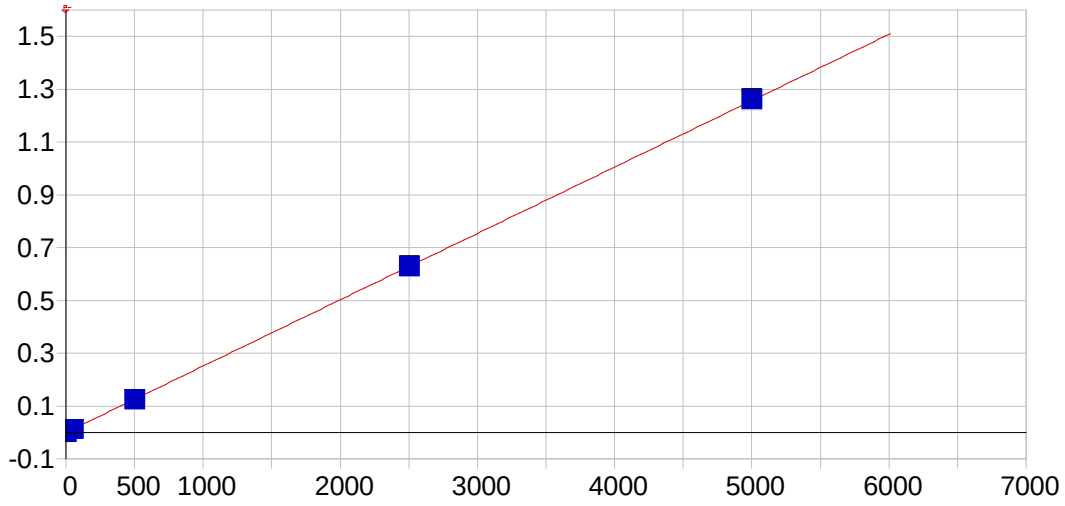


Tl 190.856 {477}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000736	Re-Slope:	1.000000
A1 (Gain):	0.000275	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999942	Status:	OK.
Std Error of Est:	0.000034		
Predicted MDL:	2.300272		
Predicted MQL:	7.667572		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00236	-.002	.000	-.00074	.001	1
DCAL2	10.000	12.225	2.23	22.3	.00265	.001	1
DCAL3	500.00	510.22	10.2	2.04	.13847	.001	1
DCAL4	2500.0	2478.3	-21.7	-.868	.67532	.002	1
DCAL5	5000.0	5009.2	9.22	.184	1.3658	.009	1

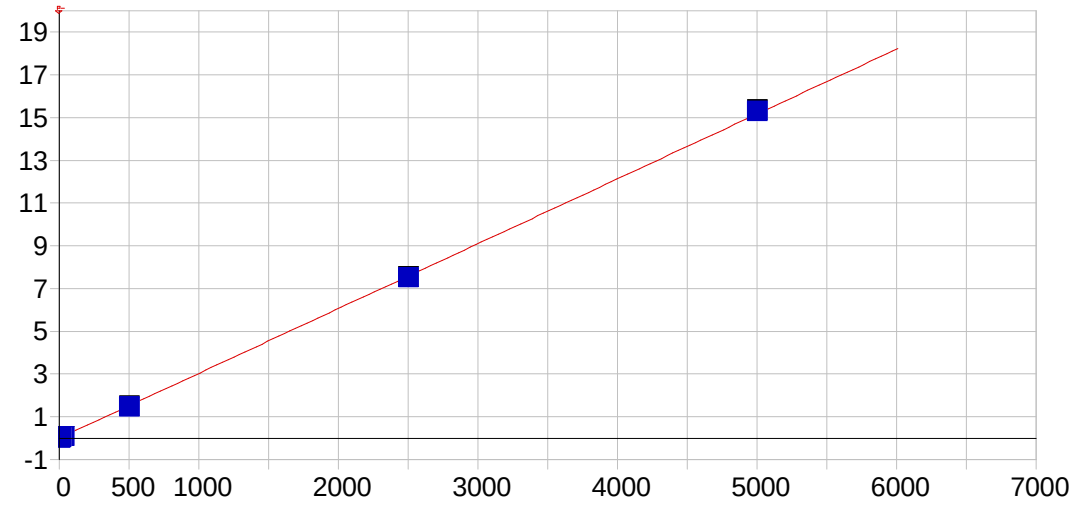


V 292.402 {115}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000074	Re-Slope:	1.000000
A1 (Gain):	0.000251	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999978	Status:	OK.
Std Error of Est:	0.000043		
Predicted MDL:	0.741594		
Predicted MQL:	2.471979		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00241	.002	.000	-.00007	.000	1
DCAL2	50.000	48.626	-1.37	-2.75	.01213	.000	1
DCAL3	500.00	488.35	-11.7	-2.33	.12223	.000	1
DCAL4	2500.0	2499.8	-.247	-.010	.62603	.001	1
DCAL5	5000.0	5013.3	13.3	.265	1.2556	.002	1

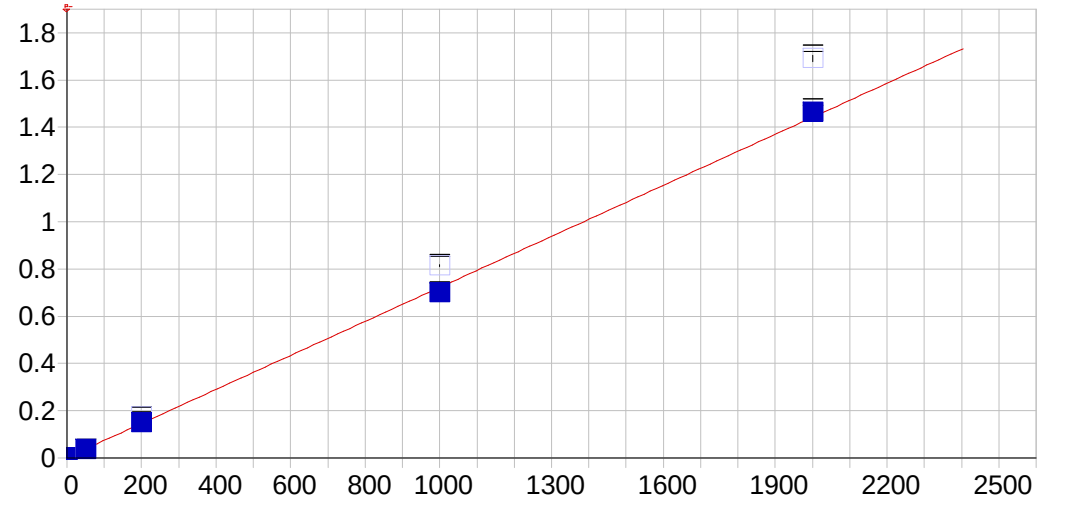


Zn 206.200 {463}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000129	Re-Slope:	1.000000
A1 (Gain):	0.003034	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999937	Status:	OK.
Std Error of Est:	0.000372		
Predicted MDL:	0.237268		
Predicted MQL:	0.790894		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00074	.001	.000	-.00013	.000	1
DCAL2	30.000	29.585	-.415	-1.38	.08957	.001	1
DCAL3	500.00	484.70	-15.3	-3.06	1.4691	.011	1
DCAL4	2500.0	2476.8	-23.2	-.928	7.5077	.031	1
DCAL5	5000.0	5039.2	39.2	.784	15.275	.064	1
DCAL1	10.000	9.7223	-.278	-2.78	.02938	.002	1



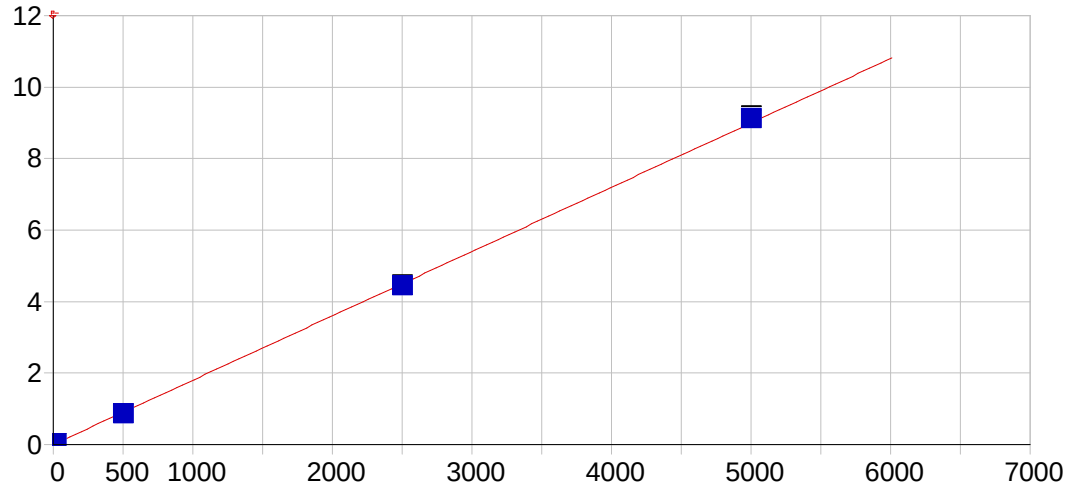
B 208.959 {461}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002524	Re-Slope:	1.000000
A1 (Gain):	0.000720	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999810	Status:	OK.
Std Error of Est:	0.000267		

Predicted MDL:	0.969150
Predicted MQL:	3.230501

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00267	.003	.000	.00253	.001	1
DCAL2	50.000	47.015	-2.98	-5.97	.03727	.000	1
DCAL3	200.00	204.52	4.52	2.26	.17256	.001	1
DCAL4	1000.0	969.15	-30.9	-3.09	.81424	.003	1
DCAL5	2000.0	2029.0	29.0	1.45	1.6912	.013	1

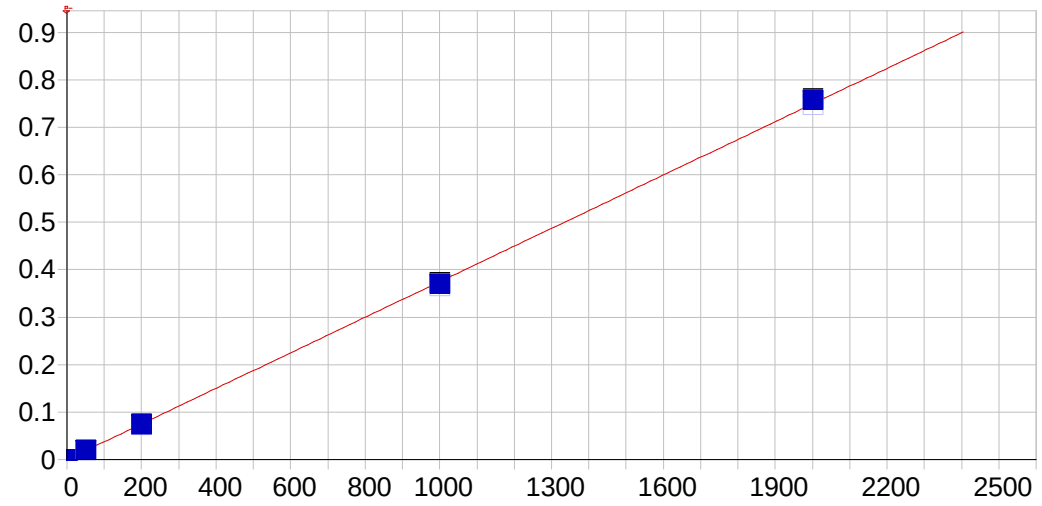


Mo 202.030 {467}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002492	Re-Slope:	1.000000
A1 (Gain):	0.001799	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999808	Status:	OK.
Std Error of Est:	0.000577		
Predicted MDL:	0.422905		
Predicted MQL:	1.409684		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00353	.004	.000	.00250	.000	1
DCAL2	20.000	17.552	-2.45	-12.2	.03421	.001	1
DCAL3	500.00	473.97	-26.0	-5.21	.85693	.008	1
DCAL4	2500.0	2462.4	-37.6	-1.50	4.4413	.017	1
DCAL5	5000.0	5066.0	66.0	1.32	9.1341	.046	1

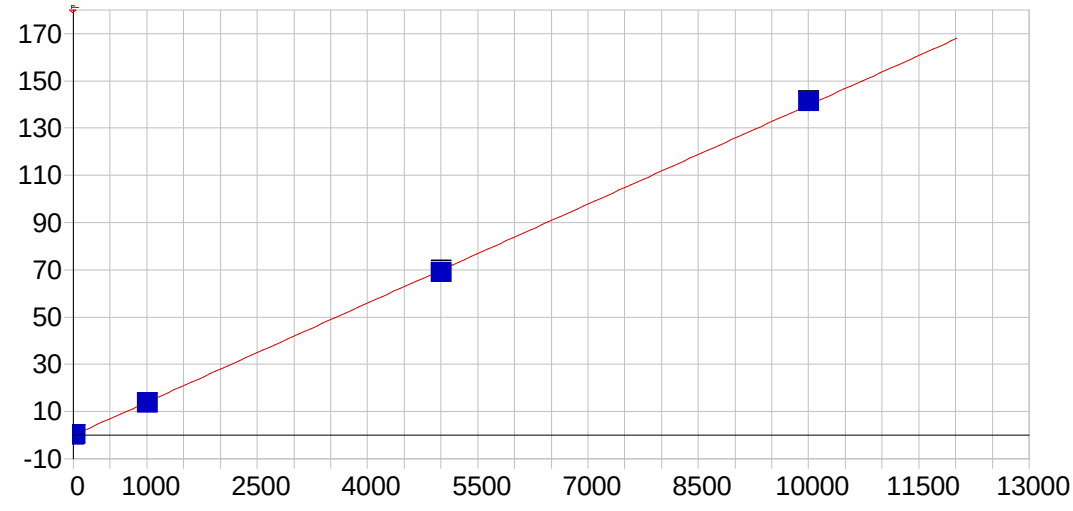


Sn 189.989 {477}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000152	Re-Slope:	1.000000
A1 (Gain):	0.000374	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999901	Status:	OK.
Std Error of Est:	0.000086		
Predicted MDL:	1.176688		
Predicted MQL:	3.922293		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00316	.003	.000	.00015	.000	1
DCAL2	50.000	48.506	-1.49	-2.99	.01831	.000	1
DCAL3	200.00	193.89	-6.11	-3.06	.07166	.001	1
DCAL4	1000.0	986.72	-13.3	-1.33	.36419	.002	1
DCAL5	2000.0	2020.9	20.9	1.05	.74600	.003	1



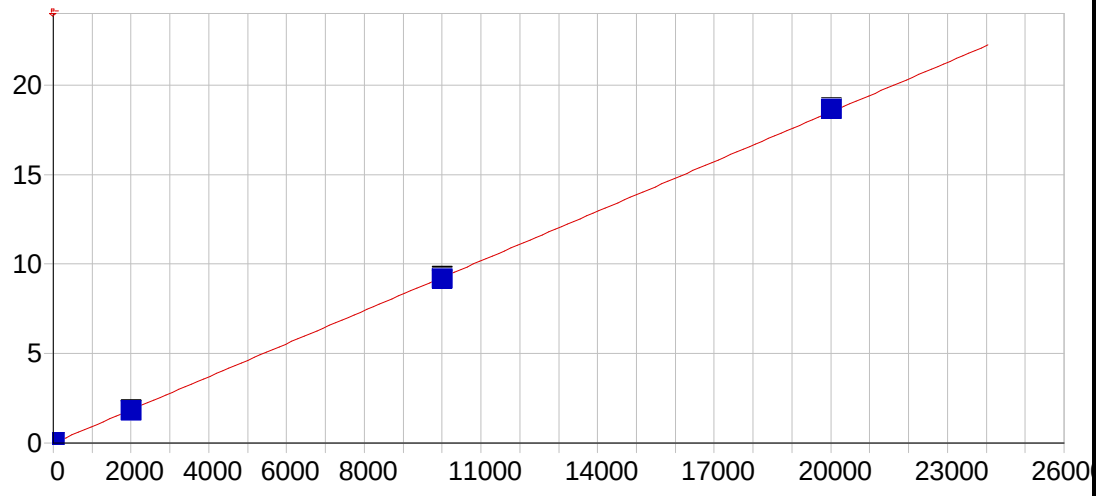
Sr 407.771 { 83}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.005401	Re-Slope:	1.000000
A1 (Gain):	0.013978	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999898	Status:	OK.
Std Error of Est:	0.004604		
Predicted MDL:	0.270216		

Predicted MQL: 0.900721

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00026	.000	.000	-.00540	.001	1
DCAL2	20.000	20.395	.395	1.97	.27997	.006	1
DCAL3	1000.0	972.93	-27.1	-2.71	13.596	.055	1
DCAL4	5000.0	4918.1	-81.9	-1.64	68.747	.838	1
DCAL5	10000.	10109.	109.	1.09	141.31	.324	1

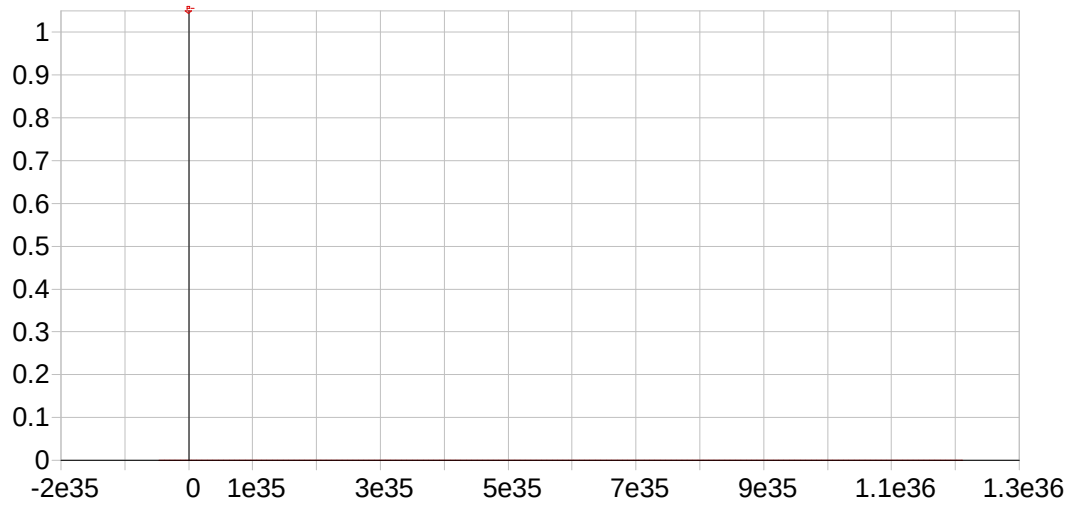


Ti 334.941 {101}

Date of Fit: 2/4/2013 10:33:35 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004921 Re-Slope: 1.000000
A1 (Gain): 0.000925 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999930 Status: OK.
Std Error of Est: 0.000359
Predicted MDL: 3.220834
Predicted MQL: 10.736112

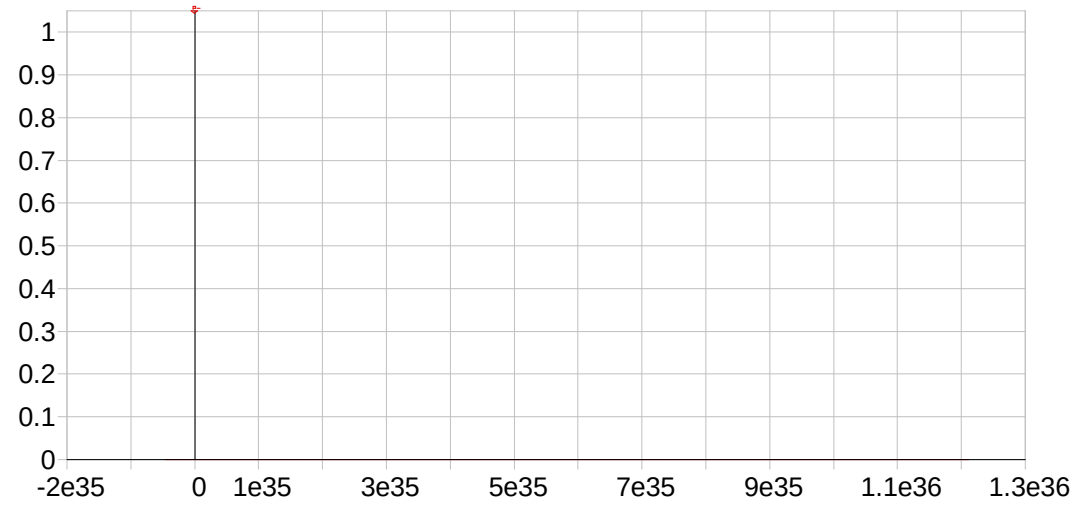
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00409	.004	.000	.00492	.002	1
DCAL2	20.000	16.557	-3.44	-17.2	.02068	.003	1
DCAL3	2000.0	1938.2	-61.8	-3.09	1.7990	.018	1
DCAL4	10000.	9909.8	-90.2	-.902	9.1773	.107	1
DCAL5	20000.	20155.	155.	.777	18.660	.040	1



Y 224.306 {450}*

Date of Fit:	2/4/2013 10:10:42	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	183.492520				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

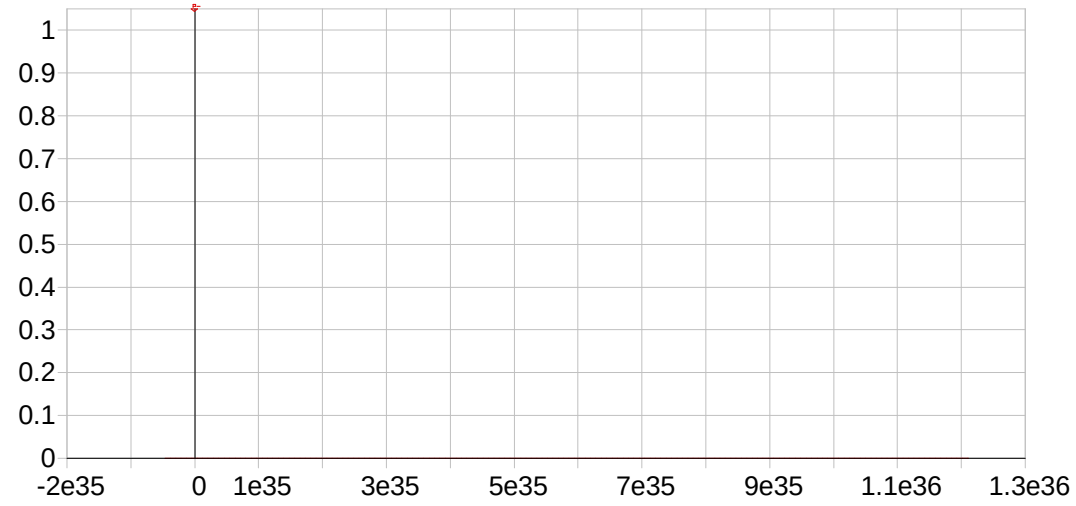
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 360.073 { 94}*

Date of Fit:	2/4/2013 10:10:42	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

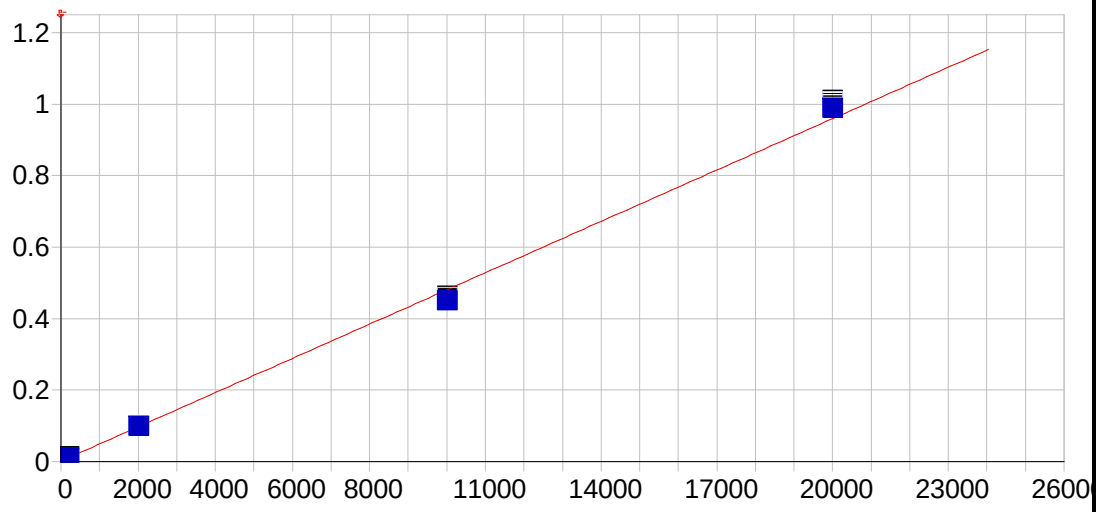


Y 371.030 { 91}*

Date of Fit:	2/4/2013 10:10:42	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	192.759705		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Si 288.158 {117}

Date of Fit:	2/4/2013 10:33:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001414	Re-Slope:	1.000000
A1 (Gain):	0.000048	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999092	Status:	OK.
Std Error of Est:	0.000215		
Predicted MDL:	40.779074		
Predicted MQL:	135.930247		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00681	.007	.000	.00141	.000	1
DCAL2	200.00	197.33	-2.67	-1.34	.01090	.002	1
DCAL3	2000.0	2025.0	25.0	1.25	.10007	.001	1
DCAL4	10000.	9359.0	-641.	-6.41	.45801	.004	1
DCAL5	20000.	20619.	619.	3.09	1.0056	.005	1

Sample Name: CAL_BLK Acquired: 2/4/2013 10:12:01 Type: Cal
Method: SW_012913(v8) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0049	-.0004	-.0004	-.0002	.0041	-.0363
Stddev	.0036	.0005	.0002	.0008	.0024	.0020
%RSD	72.23	128.7	55.05	328.1	58.32	5.520

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0005	-.0002	-.0002	.0026	.0000	-.0305
Stddev	.0007	.0009	.0000	.0003	.000	.0021
%RSD	139.6	427.4	3.094	11.86	67.30	6.904

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	.0003	-.0168	-.0001	.0012	.0006
Stddev	.000	.0001	.0114	.0006	.0009	.0010
%RSD	371.3	55.47	67.87	633.5	73.43	182.0

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0006	-.0007	-.0001	-.0001	.0025	.0025
Stddev	.0003	.0006	.0001	.0003	.0006	.0004
%RSD	59.05	78.45	102.6	268.4	22.32	14.44

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	-.0054	.0049	.0014
Stddev	.0001	.0007	.0017	.0004
%RSD	62.60	12.82	33.92	25.53

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	751.47	21280.	606.95
Stddev	3.90	61.	8.82
%RSD	.51877	.28841	1.4531

Sample Name: DCAL1 Acquired: 2/4/2013 10:15:48 Type: Cal
Method: SW_012913(v8) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu3247	Fe2714	Ni2316	Zn2062
Line	324.754 {104}	271.441 {124}	231.604 {446}	206.200 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0051	.0010	.0192	.0294
Stddev	.0002	.0001	.0010	.0018
%RSD	4.199	11.08	5.137	6.187

Int. Std.	Y_2243	Y_3600
Line	224.306 {450}	360.073 { 94}
Units	Cts/S	Cts/S
Avg	754.45	21295.
Stddev	2.99	84.
%RSD	.39677	.39462

Sample Name: DCAL2 Acquired: 2/4/2013 10:19:36 Type: Cal
Method: SW_012913(v8) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0260	.0004	.0023	1.024	.0219	.8161
Stddev	.0034	.0006	.0001	.002	.0029	.0048
%RSD	13.06	146.6	5.965	.2006	13.24	.5886

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0297	.0962	.0013	.0093	.0024	.4743
Stddev	.0006	.0005	.0001	.0003	.0000	.0058
%RSD	2.156	.5002	4.304	3.086	1.520	1.223

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1243	.0156	1.805	.0724	.0047	.0033
Stddev	.0003	.0000	.022	.0014	.0008	.0004
%RSD	.2180	.2691	1.217	1.933	16.66	10.98

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0006	.0026	.0121	.0896	.0373	.0342
Stddev	.0003	.0006	.0001	.0007	.0002	.0010
%RSD	46.76	20.87	.5957	.7615	.5637	2.840

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0183	.2800	.0207	.0109
Stddev	.0002	.0060	.0030	.0018
%RSD	1.317	2.136	14.63	16.51

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	756.37	21132.	622.01
Stddev	1.54	47.	5.93
%RSD	.20354	.22317	.95268

Sample Name: DCAL3 Acquired: 2/4/2013 10:23:22 Type: Cal
Method: SW_012913(v8) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.785	.0863	.0664	10.23	1.717	4.130
Stddev	.025	.0008	.0003	.08	.007	.014
%RSD	.6500	.9177	.4393	.7884	.4336	.3430

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.857	.9638	.1496	.6796	.2122	.9688
Stddev	.014	.0058	.0002	.0011	.0006	.0081
%RSD	.7436	.6050	.1558	.1643	.2704	.8321

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.6087	.9697	8.903	.9111	.8359	.0497
Stddev	.0021	.0030	.044	.0058	.0059	.0004
%RSD	.3477	.3046	.4897	.6399	.7062	.8123

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0658	.1385	.1222	1.469	.1726	.8569
Stddev	.0006	.0015	.0004	.011	.0009	.0076
%RSD	.9000	1.066	.3594	.7591	.5139	.8906

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0717	13.60	1.799	.1001
Stddev	.0008	.06	.018	.0007
%RSD	1.078	.4074	.9973	.7137

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	735.49	20716.	618.22
Stddev	5.01	33.	3.47
%RSD	.68173	.15944	.56169

Sample Name: DCAL4 Acquired: 2/4/2013 10:26:54 Type: Cal
Method: SW_012913(v8) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	18.91	.4595	.3486	51.84	8.657	20.38
Stddev	.20	.0023	.0009	.17	.124	.25
%RSD	1.058	.5034	.2474	.3242	1.433	1.235

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	9.437	4.859	.7556	3.481	1.053	5.082
Stddev	.041	.014	.0008	.007	.002	.059
%RSD	.4292	.2794	.1055	.2133	.2125	1.163

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.100	4.869	44.31	4.584	4.181	.2598
Stddev	.002	.011	.39	.022	.015	.0018
%RSD	.0594	.2322	.8895	.4792	.3587	.7024

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3448	.6753	.6260	7.508	.8142	4.441
Stddev	.0013	.0024	.0009	.031	.0032	.017
%RSD	.3711	.3549	.1404	.4094	.3877	.3925

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3642	68.75	9.177	.4580
Stddev	.0019	.84	.107	.0036
%RSD	.5319	1.219	1.162	.7828

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	690.08	19750.	617.29
Stddev	2.47	19.	3.63
%RSD	.35779	.09857	.58819

Sample Name: DCAL5 Acquired: 2/4/2013 10:30:18 Type: Cal
Method: SW_012913(v8) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	38.84	.9749	.6679	105.4	17.57	40.42
Stddev	.07	.0041	.0027	.6	.05	.04
%RSD	.1737	.4222	.4025	.5842	.2675	.1063

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	19.42	9.887	1.506	7.027	2.095	10.56
Stddev	.11	.044	.003	.014	.001	.02
%RSD	.5594	.4437	.2100	.1947	.0611	.1708

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.271	9.714	89.60	9.308	8.510	.5409
Stddev	.024	.032	.45	.058	.051	.0050
%RSD	.3808	.3297	.5043	.6234	.5954	.9224

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.7258	1.366	1.256	15.28	1.691	9.134
Stddev	.0034	.009	.002	.06	.013	.046
%RSD	.4679	.6332	.1668	.4170	.7544	.4991

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.7460	141.3	18.66	1.006
Stddev	.0026	.3	.04	.005
%RSD	.3480	.2291	.2143	.5043

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	645.51	19023.	602.45
Stddev	2.94	44.	2.93
%RSD	.45515	.23345	.48575

Sample Name: CCV Acquired: 2/4/2013 10:33:42 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122900.	2378.	1246.	9785.	975.5	125600.
Stddev	950.	10.	4.	51.	3.2	909.
%RSD	.7729	.4132	.3234	.5168	.3310	.7235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1205.	2437.	4912.	12270.	98570.	48770.
Stddev	5.	10.	9.	41.	94.	335.
%RSD	.4489	.3987	.1868	.3363	.0956	.6870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121600.	4892.	123400.	2440.	7357.	956.6
Stddev	291.	6.	770.	12.	32.	2.6
%RSD	.2389	.1253	.6234	.4758	.4342	.2704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2409.	2440.	2444.	2443.	962.9	2441.
Stddev	9.	15.	5.	12.	7.7	9.
%RSD	.3903	.6270	.1945	.4733	.7962	.3729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 2/4/2013 10:33:42 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	969.9	4887.	9861.	9492.
Stddev	4.3	24.	49.	27.
%RSD	.4456	.4899	.4945	.2827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	688.00	19771.	611.05
Stddev	4.38	57.	4.41
%RSD	.63607	.28973	.72104

Sample Name: CCB Acquired: 2/4/2013 10:37:09 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	44.92	1.634	.0142	.6731	.1894	38.53
Stddev	9.29	3.560	.4785	.5769	.2899	25.87
%RSD	20.68	217.9	3373.	85.71	153.0	67.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0621	-.2327	-.1940	-.1419	19.42	37.63
Stddev	.0589	.5278	.9733	2.309	21.87	105.8
%RSD	94.79	226.8	501.7	1627.	112.6	281.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.08	.4158	126.8	.1268	.4210	.3250
Stddev	9.68	.4014	37.5	.2383	.6909	1.358
%RSD	87.33	96.54	29.53	187.9	164.1	417.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.219	-.4062	.8547	.1414	2.447	7.317
Stddev	4.893	1.358	.2194	.0844	1.243	2.522
%RSD	220.5	334.3	25.67	59.66	50.82	34.46
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 2/4/2013 10:37:09 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5266	.8766	2.159	-35.59
Stddev	.9963	.7327	6.858	28.49
%RSD	189.2	83.59	317.7	80.05
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	764.14	21590.	628.81
Stddev	3.49	110.	9.37
%RSD	.45690	.50917	1.4907

Sample Name: ICSA 1933232 Acquired: 2/4/2013 10:40:57 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**489700.**	**5.239**	**-1.480**	**-2.249**	**.3294**	**447800.**
Stddev	1787.	1.063	.894	.129	.3490	3245.
%RSD	.3649	20.29	60.41	5.734	106.0	.7246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.894**	**-.3950**	**-.2439**	**-.7008**	**192500.**	**233.3**
Stddev	.126	.1442	.2625	.4446	221.	168.4
%RSD	6.628	36.52	107.6	63.44	.1150	72.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**496800.**	**-1.094**	**58.94**	**-1.636**	**6.806**	**3.883**
Stddev	648.	.070	63.74	1.149	.535	2.396
%RSD	.1304	6.401	108.1	70.23	7.865	61.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7312**	**-1.951**	**-3.841**	**-1.081**	**-1.504**	**2.004**
Stddev	2.531	2.825	.355	.557	1.271	.542
%RSD	346.1	144.8	9.254	51.54	84.54	27.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA 1933232 Acquired: 2/4/2013 10:40:57 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.948	.1710	-3.204	38.59
Stddev	.829	.3431	5.658	61.68
%RSD	42.56	200.6	176.6	159.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	691.39	18877.	606.44
Stddev	2.60	77.	4.06
%RSD	.37559	.40847	.66923

Sample Name: ICSAB 1921136 Acquired: 2/4/2013 10:44:48 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**497200.**	**90.76**	**104.9**	**90.90**	**95.55**	**456600.**
Stddev	5935.	1.21	.7	.90	.81	5265.
%RSD	1.194	1.332	.6630	.9953	.8431	1.153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**88.03**	**86.08**	**93.85**	**95.15**	**194300.**	**10590.**
Stddev	.63	.53	.74	1.20	566.	99.
%RSD	.7206	.6162	.7836	1.263	.2915	.9370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**501300.**	**94.58**	**10590.**	**83.91**	**93.74**	**87.40**
Stddev	2993.	.42	140.	.40	1.40	4.06
%RSD	.5970	.4419	1.322	.4710	1.496	4.648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**86.16**	**90.03**	**89.73**	**87.44**	**89.12**	**89.58**
Stddev	2.32	1.64	1.04	.49	2.16	.88
%RSD	2.696	1.817	1.164	.5554	2.420	.9815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 1921136 Acquired: 2/4/2013 10:44:48 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	92.35	99.16	95.68	52.61
Stddev	3.92	1.07	2.62	15.45
%RSD	4.245	1.075	2.736	29.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	693.87	18909.	603.09
Stddev	2.59	69.	7.30
%RSD	.37338	.36279	1.2101

Sample Name: INT-10 1937207 Acquired: 2/4/2013 10:48:35 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	67.81	.4576	.1173	-2.179	-2.183	61.46
Stddev	41.18	1.674	.4376	.427	.395	42.98
%RSD	60.73	365.8	373.1	19.61	18.09	69.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0989	10520.	9879.	-2.913	37.98	60.52
Stddev	.1337	328.	93.	.261	17.41	82.86
%RSD	135.2	3.113	.9454	8.972	45.83	136.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	71.92	9959.	78.45	10660.	-.2315	-2.157
Stddev	26.84	111.	51.41	338.	1.628	5.570
%RSD	37.32	1.112	65.53	3.167	703.0	258.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.330	-2.894	4695.	3.938	-1.163	4852.
Stddev	4.857	.867	37.	.360	.506	146.
%RSD	145.9	29.95	.7838	9.150	43.52	3.009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10 1937207 Acquired: 2/4/2013 10:48:35 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**10100.**	**9718.**	**9394.**	**9499.**
Stddev	341.	122.	101.	130.
%RSD	3.379	1.257	1.078	1.369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	713.75	21565.	629.74
Stddev	6.12	64.	6.30
%RSD	.85752	.29891	1.0002

Sample Name: 460-50248-a-2-a du Acquired: 2/4/2013 10:52:20 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49.35**	**6.872**	**.1296**	**31.29**	**.1409**	**9791.**	**-.2686**	**1.039**	**1.912**
Stddev	42.27	3.742	.3083	.28	.0686	60.	.0444	.350	.227
%RSD	85.64	54.45	237.9	.9053	48.73	.6093	16.52	33.71	11.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1477**	**27750.**	**2146.**	**2472.**	**396.0**	**21710.**	**.1708**	**1.128**	**-.6976**
Stddev	.6574	25.	92.	9.	1.9	126.	.3811	2.380	3.028
%RSD	445.1	.0885	4.285	.3771	.4690	.5801	223.1	211.0	434.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9755**	**-.0812**	**-.1220**	**1.242**	**14.08**	**16.35**	**2.613**	**55.75**	**-.7764**
Stddev	3.453	1.286	.4875	.032	.47	8.02	.706	.69	1.556
%RSD	353.9	1585.	399.6	2.595	3.349	49.06	27.01	1.234	200.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**3164.**
Stddev	45.
%RSD	1.431
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50248-a-2-a du Acquired: 2/4/2013 10:52:20 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	763.06	21369.	633.72
Stddev	4.21	56.	3.18
%RSD	.55163	.26246	.50107

Sample Name: 460-50248-d-2-a Acquired: 2/4/2013 10:56:17 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37.82	4.847	-.7791	30.64	.1193	9767.	-.3121	.4058	1.453
Stddev	17.09	1.080	.4578	.40	.0326	64.	.0675	.2734	.172
%RSD	45.18	22.29	58.77	1.303	27.34	.6587	21.64	67.37	11.80
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2650	27130.	2125.	2415.	389.6	21520.	-.1884	2.305	1.206
Stddev	.5817	224.	32.	16.	2.3	47.	.6948	.426	2.807
%RSD	219.5	.8268	1.493	.6495	.5836	.2190	368.7	18.50	232.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1933	1.659	.2643	1.570	13.19	.6755	1.731	54.80	-3.798
Stddev	3.655	2.229	.2986	.287	1.20	.1006	.495	.36	4.212
%RSD	1891.	134.4	113.0	18.28	9.128	14.90	28.59	.6545	110.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	3063.
Stddev	21.
%RSD	.6792
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50248-d-2-a Acquired: 2/4/2013 10:56:17 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	756.90	21300.	624.96
Stddev	4.37	24.	2.89
%RSD	.57686	.11226	.46313

Sample Name: sd 460-50248-d-2-a@5 Acquired: 2/4/2013 11:00:11 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.009	1.676	.2060	6.095	.1903	1930.	-.1829	-.1738	.4961
Stddev	55.95	2.375	.9262	.121	.1167	25.	.1169	.2766	.1626
%RSD	698.6	141.7	449.6	1.986	61.32	1.284	63.90	159.2	32.78
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3666	5432.	380.9	491.2	77.52	4320.	-.3038	1.347	.2227
Stddev	.8248	35.	87.1	6.8	.18	34.	.1418	.614	.9126
%RSD	225.0	.6480	22.87	1.388	.2366	.7850	46.68	45.58	409.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0280	1.327	.1880	.4520	2.569	-.7694	-.8879	10.87	-4.724
Stddev	2.820	2.519	.2495	.0948	.636	.4877	.2346	.26	3.274
%RSD	10070.	189.8	132.7	20.96	24.78	63.39	26.42	2.410	69.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	570.3
Stddev	26.6
%RSD	4.670
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: sd 460-50248-d-2-a@5 Acquired: 2/4/2013 11:00:11 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	757.14	21520.	620.93
Stddev	4.14	79.	4.12
%RSD	.54707	.36502	.66422

Sample Name: 460-50248-d-2-b ms Acquired: 2/4/2013 11:04:02 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1996.	1818.	49.86	1953.	48.00	30470.	46.40	473.0	197.5
Stddev	21.	8.	1.11	10.	.45	203.	.06	3.8	.3
%RSD	1.043	.4330	2.228	.4966	.9397	.6647	.1310	.8058	.1486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	237.4	28610.	21250.	21600.	874.8	41340.	479.6	479.9	430.7
Stddev	.2	88.	187.	66.	.3	199.	2.5	1.3	3.3
%RSD	.0965	.3059	.8804	.3069	.0365	.4815	.5144	.2682	.7776
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1767.	1977.	479.1	472.9	482.9	458.8	476.3	526.7	484.5
Stddev	5.	11.	.5	2.3	2.3	3.1	3.3	2.9	2.6
%RSD	.2955	.5354	.0958	.4762	.4827	.6662	.6918	.5446	.5416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	3243.
Stddev	46.
%RSD	1.428
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50248-d-2-b ms Acquired: 2/4/2013 11:04:02 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	752.86	21075.	631.93
Stddev	4.43	52.	2.71
%RSD	.58806	.24648	.42810

Sample Name: pds 460-50248-d-2-a Acquired: 2/4/2013 11:07:35 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1939.	1770.	47.58	1889.	46.48	29500.	44.66	458.3	192.0
Stddev	24.	8.	.52	6.	.18	93.	.29	1.7	1.4
%RSD	1.243	.4376	1.092	.3047	.3874	.3163	.6426	.3655	.7545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	230.8	27630.	20620.	20940.	851.5	39950.	464.5	462.2	418.7
Stddev	1.9	147.	72.	124.	3.8	63.	1.7	2.2	.3
%RSD	.8060	.5331	.3473	.5924	.4492	.1574	.3744	.4677	.0702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1743.	1915.	464.0	457.7	467.5	445.0	461.6	510.0	469.4
Stddev	10.	4.	2.0	1.9	1.7	1.5	3.7	1.2	5.3
%RSD	.5965	.2311	.4292	.4192	.3685	.3328	.8069	.2428	1.129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	3137.
Stddev	44.
%RSD	1.391
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: pds 460-50248-d-2-a Acquired: 2/4/2013 11:07:35 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	756.61	21188.	635.68
Stddev	2.53	64.	2.39
%RSD	.33390	.30267	.37555

Sample Name: 460-50200-e-8-a Acquired: 2/4/2013 11:11:08 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.868**	**2.496**	**-.0870**	**.2607**	**.0073**	**57.31**	**-.0078**	**-.4518**	**1.022**
Stddev	17.12	2.651	.3010	.1463	.3538	9.34	.0888	.1635	.425
%RSD	249.2	106.2	346.1	56.09	4840.	16.30	1143.	36.20	41.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.310**	**10.45**	**52.64**	**4.414**	**-.0335**	**37.24**	**-.2866**	**-.5350**	**2.744**
Stddev	.827	11.56	74.98	3.480	.1960	14.39	.2976	.6160	1.730
%RSD	63.14	110.7	142.4	78.85	584.8	38.63	103.8	115.1	63.03
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-4.434**	**-.8958**	**-.3014**	**.5512**	**4.194**	**-.6465**	**.9893**	**-.0138**	**-3.132**
Stddev	1.562	.9498	.5806	.1378	.608	.2906	.1812	.4501	1.296
%RSD	35.23	106.0	192.6	25.00	14.49	44.95	18.32	3260.	41.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**56.47**
Stddev	27.68
%RSD	49.01
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50200-e-8-a Acquired: 2/4/2013 11:11:08 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	774.51	22021.	630.69
Stddev	3.87	14.	2.75
%RSD	.49966	.06299	.43628

Sample Name: lcs 460-145805/2-a Acquired: 2/4/2013 11:14:57 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2007.**	**1792.**	**49.32**	**1918.**	**48.36**	**20880.**
Stddev	3.	3.	.11	5.	.32	223.
%RSD	.1517	.1886	.2319	.2405	.6607	1.070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**46.94**	**471.2**	**194.2**	**234.8**	**997.0**	**19330.**
Stddev	.20	1.3	1.4	.4	15.5	152.
%RSD	.4308	.2811	.7296	.1692	1.552	.7847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18970.**	**486.3**	**19870.**	**478.9**	**480.7**	**430.5**
Stddev	22.	1.2	166.	1.2	2.3	.9
%RSD	.1157	.2405	.8334	.2520	.4726	.2128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1787.**	**1999.**	**472.7**	**470.7**	**469.5**	**456.2**
Stddev	5.	3.	1.5	1.0	.8	1.8
%RSD	.2804	.1282	.3201	.2079	.1695	.4010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-145805/2-a Acquired: 2/4/2013 11:14:57 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	475.1	474.3	481.6	71.35
Stddev	2.2	4.3	6.7	20.26
%RSD	.4529	.8959	1.395	28.39
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	758.13	21325.	628.48
Stddev	2.37	53.	9.03
%RSD	.31204	.24990	1.4365

Sample Name: CCV Acquired: 2/4/2013 11:18:32 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122000.	2400.	1242.	9838.	976.3	125800.
Stddev	165.	10.	3.	24.	1.8	172.
%RSD	.1353	.4319	.2168	.2401	.1799	.1369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1214.	2450.	4880.	12100.	98170.	48770.
Stddev	3.	5.	13.	48.	254.	127.
%RSD	.2646	.2012	.2737	.3964	.2588	.2595
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120900.	4888.	123000.	2461.	7420.	969.6
Stddev	282.	6.	512.	6.	15.	5.1
%RSD	.2333	.1137	.4165	.2394	.2068	.5302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2431.	2462.	2431.	2458.	968.1	2433.
Stddev	6.	4.	4.	3.	.4	6.
%RSD	.2423	.1549	.1816	.1262	.0390	.2487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 2/4/2013 11:18:32 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**978.4**	**4896.**	**9789.**	**9373.**
Stddev	2.9	8.	10.	59.
%RSD	.2998	.1623	.1048	.6264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	690.98	20038.	620.31
Stddev	1.64	13.	1.71
%RSD	.23742	.06591	.27614

Sample Name: CCB Acquired: 2/4/2013 11:21:59 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23.23	1.152	.9247	.6872	.1396	35.54
Stddev	19.49	1.202	.1351	.4624	.4402	33.65
%RSD	83.92	104.4	14.61	67.30	315.3	94.67
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0111	-.1621	.4174	.3458	6.046	.5215
Stddev	.1334	.0630	1.098	.9626	7.519	50.00
%RSD	1202.	38.83	263.1	278.3	124.4	9588.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.63	.5549	66.47	.0298	1.858	.7366
Stddev	12.43	.7005	39.21	.6885	2.636	1.585
%RSD	66.71	126.2	58.99	2311.	141.9	215.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.089	1.824	.0932	.1756	1.284	4.469
Stddev	5.450	2.631	.9601	.1473	.412	1.993
%RSD	260.8	144.2	1030.	83.90	32.12	44.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 2/4/2013 11:21:59 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.9437	.6857	1.541	2.863
Stddev	1.060	1.062	4.830	38.60
%RSD	112.4	154.8	313.3	1348.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	768.22	21732.	626.83
Stddev	1.39	43.	1.51
%RSD	.18108	.19870	.24051

Sample Name: mb 460-145805/1-a Acquired: 2/4/2013 11:25:51 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.001	2.365	-.0769	.1036	.1169	35.50
Stddev	17.80	1.377	.6905	.1051	.2923	25.01
%RSD	296.6	58.24	898.4	101.4	250.0	70.46
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1117	.1152	1.160	-.8571	7.775	41.52
Stddev	.0728	.2354	.733	.4183	1.994	140.2
%RSD	65.19	204.4	63.17	48.81	25.64	337.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8779	-.0861	62.83	-.0948	1.694	.4075
Stddev	1.910	.1336	25.83	.1237	2.163	1.904
%RSD	217.6	155.1	41.12	130.4	127.7	467.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7795	.2091	.3434	.1035	2.848	-.8338
Stddev	3.509	1.223	.6060	.1427	.529	.3698
%RSD	450.2	584.7	176.5	137.9	18.59	44.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-145805/1-a Acquired: 2/4/2013 11:25:51 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0014	.3450	2.572	22.80
Stddev	.3431	.1264	4.159	18.20
%RSD	24640.	36.64	161.7	79.82
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	779.85	22048.	634.05
Stddev	2.19	104.	10.03
%RSD	.28040	.47340	1.5816

Sample Name: 460-50228-d-16-a Acquired: 2/4/2013 11:29:40 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.364	-.7998	-.5226	.7870	.1117	453.9	-.0592	.0243	.2524
Stddev	11.47	1.990	.3224	.1049	.1354	14.5	.0255	.7478	.4996
%RSD	213.9	248.8	61.68	13.33	121.2	3.201	43.11	3083.	198.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2873	7.500	111.4	11.82	.1991	302.0	-.1831	.3273	-.9262
Stddev	.4898	6.549	54.4	7.27	.1589	30.5	.2009	.8057	1.893
%RSD	170.5	87.32	48.80	61.45	79.79	10.10	109.8	246.1	204.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0812	-.1051	.5078	1.455	4.576	-1.410	1.540	.4653	.0780
Stddev	3.748	1.022	.4657	.169	.709	.041	.376	.1431	1.517
%RSD	4614.	972.8	91.71	11.58	15.49	2.886	24.41	30.76	1945.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	94.20
Stddev	30.50
%RSD	32.37
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50228-d-16-a Acquired: 2/4/2013 11:29:40 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	776.17	22112.	638.52
Stddev	2.46	66.	5.57
%RSD	.31711	.29689	.87198

Sample Name: 460-50248-d-1-a Acquired: 2/4/2013 11:33:29 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11.15**	**3.691**	**.0615**	**-.0236**	**-.1402**	**99.49**	**-.0137**	**-.5240**	**.3399**
Stddev	32.97	2.849	.5765	.1284	.4309	19.08	.1089	.3470	.4416
%RSD	295.8	77.19	937.6	544.2	307.4	19.18	795.8	66.22	129.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.200**	**-.9193**	**-57.69**	**9.400**	**-.0574**	**99.16**	**-.4085**	**.0355**	**1.388**
Stddev	.655	8.809	23.77	2.906	.0309	22.48	.2331	.6770	2.043
%RSD	54.58	958.3	41.20	30.92	53.82	22.67	57.06	1907.	147.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.456**	**1.107**	**.0060**	**.5283**	**1.985**	**-1.860**	**-.5310**	**.0949**	**-3.706**
Stddev	.786	2.911	.0735	.3632	1.612	.449	.7115	.2797	2.941
%RSD	54.01	263.0	1232.	68.75	81.22	24.16	134.0	294.6	79.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**14.11**
Stddev	13.09
%RSD	92.82
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50248-d-1-a Acquired: 2/4/2013 11:33:29 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	772.19	22067.	635.29
Stddev	6.57	42.	5.20
%RSD	.85099	.18948	.81832

Sample Name: 460-50248-d-3-a Acquired: 2/4/2013 11:37:18 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**619.0**	**9.091**	**-.5690**	**51.33**	**-.1472**	**12960.**	**-.2130**	**.3327**	**2.408**
Stddev	26.6	.558	.6489	.29	.3705	42.	.0453	.1441	.590
%RSD	4.297	6.133	114.0	.5720	251.8	.3206	21.28	43.30	24.48
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12.15**	**14610.**	**2910.**	**3544.**	**194.1**	**17430.**	**.6916**	**10.78**	**-.5851**
Stddev	.78	39.	112.	13.	.7	66.	.4964	.58	1.542
%RSD	6.379	.2693	3.837	.3640	.3454	.3811	71.78	5.401	263.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6522**	**-.5145**	**2.726**	**11.13**	**11.39**	**-1.016**	**1.181**	**55.85**	**17.00**
Stddev	1.018	.8379	.461	.19	.52	.079	.221	.40	3.06
%RSD	156.1	162.9	16.92	1.713	4.545	7.770	18.68	.7144	17.98
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**3188.**
Stddev	46.
%RSD	1.429
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50248-d-3-a Acquired: 2/4/2013 11:37:18 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	775.93	21868.	649.06
Stddev	4.85	107.	4.44
%RSD	.62561	.48897	.68368

Sample Name: 460-50248-d-4-a Acquired: 2/4/2013 11:41:03 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3615.**	**14.23**	**-.9373**	**76.39**	**.3247**	**17410.**	**.3760**	**3.565**	**9.279**
Stddev	38.	1.18	.5935	.43	.3779	86.	.1324	.037	.483
%RSD	1.051	8.304	63.32	.5641	116.4	.4932	35.22	1.052	5.206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**41.94**	**36110.**	**3642.**	**2925.**	**384.4**	**22710.**	**5.101**	**26.97**	**-1.233**
Stddev	.49	174.	62.	1.	.7	53.	.657	.73	2.093
%RSD	1.163	.4813	1.709	.0408	.1695	.2312	12.88	2.720	169.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.373**	**1.480**	**14.58**	**45.91**	**12.85**	**.4192**	**2.159**	**101.0**	**115.5**
Stddev	3.429	.407	.76	.30	.63	.0279	1.086	1.1	1.6
%RSD	144.5	27.49	5.218	.6568	4.868	6.647	50.28	1.128	1.409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**5721.**
Stddev	47.
%RSD	.8232
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50248-d-4-a Acquired: 2/4/2013 11:41:03 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	811.40	22740.	675.73
Stddev	1.13	39.	1.69
%RSD	.13888	.17282	.25045

Sample Name: 460-50248-d-5-a Acquired: 2/4/2013 11:44:47 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3259.**	**11.02**	**.9345**	**70.53**	**.5829**	**18180.**	**.3230**	**3.038**	**8.040**
Stddev	24.	.20	.5540	.14	.0751	224.	.0693	.334	.418
%RSD	.7426	1.780	59.28	.1966	12.89	1.233	21.45	10.98	5.199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**36.51**	**35140.**	**3794.**	**3084.**	**384.3**	**22640.**	**4.723**	**26.41**	**.8909**
Stddev	.76	39.	93.	6.	.9	158.	.236	1.36	2.076
%RSD	2.084	.1101	2.438	.1901	.2375	.6966	5.000	5.158	233.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.935**	**-.9076**	**13.76**	**40.37**	**13.09**	**.0791**	**2.262**	**103.4**	**104.2**
Stddev	2.804	1.959	.39	.31	.06	.0874	.833	1.1	2.6
%RSD	71.27	215.9	2.835	.7711	.4922	110.4	36.83	1.110	2.507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**5449.**
Stddev	87.
%RSD	1.594
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50248-d-5-a Acquired: 2/4/2013 11:44:47 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	802.35	22581.	675.41
Stddev	3.39	129.	5.37
%RSD	.42241	.57067	.79525

Sample Name: 460-50248-d-6-a Acquired: 2/4/2013 11:48:32 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	576.8	5.605	.1723	98.21	.0930	56470.	-.0073	.7449	1.250
Stddev	14.6	2.405	.3351	.12	.3413	276.	.0411	.2507	.307
%RSD	2.538	42.91	194.5	.1171	366.8	.4887	560.4	33.66	24.56
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	82.35	6432.	6686.	4857.	100.8	54160.	1.309	14.89	2.705
Stddev	.83	32.	72.	4.	.3	77.	.656	1.85	1.587
%RSD	1.011	.4994	1.074	.0760	.3243	.1417	50.12	12.45	58.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.278	.1404	2.445	78.71	40.11	-1.267	1.701	324.6	12.22
Stddev	5.574	1.586	.340	.22	.58	.325	.483	.6	1.99
%RSD	244.7	1130.	13.90	.2790	1.446	25.67	28.37	.1892	16.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	2944.
Stddev	56.
%RSD	1.895
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50248-d-6-a Acquired: 2/4/2013 11:48:32 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	765.09	21635.	646.46
Stddev	.61	32.	2.65
%RSD	.07984	.14857	.40952

Sample Name: 460-49963-b-38-f du@ Acquired: 2/4/2013 11:52:16 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54580.	7.060	-.1742	106.9	1.547	382.7	-.4136	8.533	33.17
Stddev	386.	2.331	.4251	1.7	.336	38.4	.1387	.443	1.27
%RSD	.7076	33.02	244.0	1.549	21.69	10.02	33.55	5.187	3.837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.796	38550.	435.2	419.8	74.53	75.63	10.50	19.18	-1.304
Stddev	.353	295.	33.7	7.7	.17	25.72	.05	2.05	1.307
%RSD	6.086	.7650	7.735	1.830	.2302	34.01	.4543	10.67	100.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.927	-.6851	66.37	39.93	.4741	-.7790	1.447	9.558	319.6
Stddev	3.237	1.797	.34	.58	.2674	.2947	1.920	.234	3.2
%RSD	168.0	262.4	.5108	1.462	56.41	37.83	132.6	2.450	1.008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	730.1
Stddev	50.4
%RSD	6.898
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-49963-b-38-f du@ Acquired: 2/4/2013 11:52:16 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	796.29	22452.	655.18
Stddev	3.37	119.	5.00
%RSD	.42308	.53067	.76370

Sample Name: 460-49963-b-38-e@4 Acquired: 2/4/2013 11:56:02 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**47270.**	**6.624**	**-.8494**	**93.39**	**1.875**	**429.5**	**-.3654**	**11.53**	**31.49**
Stddev	169.	3.180	.3430	.23	.519	11.7	.1386	.38	.32
%RSD	.3564	48.01	40.39	.2465	27.69	2.724	37.93	3.303	1.002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.170**	**35240.**	**522.0**	**523.8**	**81.66**	**29.83**	**9.969**	**18.04**	**3.409**
Stddev	.600	50.	43.6	9.1	.41	41.47	.140	.69	3.049
%RSD	11.61	.1413	8.346	1.736	.4977	139.0	1.400	3.835	89.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0746**	**.3897**	**60.82**	**41.80**	**-.4540**	**-.9417**	**1.503**	**10.54**	**264.4**
Stddev	3.811	.9229	.25	.25	1.028	.3634	.468	.19	1.2
%RSD	5108.	236.8	.4088	.6022	226.4	38.59	31.14	1.793	.4357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**617.9**
Stddev	5.2
%RSD	.8473
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-49963-b-38-e@4 Acquired: 2/4/2013 11:56:02 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	823.82	23101.	678.87
Stddev	5.21	86.	1.85
%RSD	.63218	.37181	.27281

Sample Name: lcssrm 460-145833/2- Acquired: 2/4/2013 11:59:48 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**32760.**	**735.3**	**203.1**	**954.1**	**534.2**	**35640.**
Stddev	161.	3.9	.8	6.3	3.5	176.
%RSD	.4928	.5241	.3781	.6628	.6582	.4932
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**492.2**	**648.9**	**579.2**	**579.0**	**58110.**	**13270.**
Stddev	2.9	3.2	1.8	1.6	90.	17.
%RSD	.5960	.4973	.3075	.2844	.1549	.1281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11720.**	**1654.**	**1582.**	**350.1**	**371.1**	**940.4**
Stddev	40.	1.	18.	2.2	2.2	7.8
%RSD	.3429	.0721	1.151	.6319	.5808	.8321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**561.9**	**1044.**	**409.2**	**1304.**	**388.9**	**327.2**
Stddev	7.4	10.	1.0	6.	1.9	1.4
%RSD	1.315	.9122	.2408	.4576	.4868	.4215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-145833/2- Acquired: 2/4/2013 11:59:48 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	658.3	641.8	699.9	F 1097.
Stddev	3.4	4.2	3.8	36.
%RSD	.5177	.6492	.5482	3.241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				81000.
Low Limit				24200.

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	795.63	22490.	665.82
Stddev	4.93	35.	6.96
%RSD	.61978	.15591	1.0446

Sample Name: CCV Acquired: 2/4/2013 12:03:22 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123200.**	**2404.**	**1247.**	**9870.**	**977.7**	**126800.**
Stddev	1904.	9.	4.	45.	16.3	2093.
%RSD	1.545	.3663	.3244	.4522	1.670	1.650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1217.**	**2455.**	**4903.**	**12180.**	**98620.**	**48970.**
Stddev	6.	9.	3.	34.	89.	675.
%RSD	.5015	.3853	.0575	.2808	.0898	1.378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**121200.**	**4898.**	**124000.**	**2467.**	**7444.**	**968.9**
Stddev	304.	13.	1818.	10.	31.	8.8
%RSD	.2512	.2571	1.466	.4160	.4191	.9040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2440.**	**2473.**	**2441.**	**2464.**	**970.9**	**2442.**
Stddev	6.	16.	4.	13.	6.6	10.
%RSD	.2453	.6267	.1555	.5133	.6767	.4140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 2/4/2013 12:03:22 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	978.2	4920.	9836.	9470.
Stddev	4.2	77.	152.	81.
%RSD	.4249	1.556	1.549	.8563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	688.87	19976.	616.63
Stddev	3.50	48.	10.50
%RSD	.50779	.24162	1.7019

Sample Name: CCB Acquired: 2/4/2013 12:06:47 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28.11	1.121	.0065	.8041	.1273	52.87
Stddev	12.02	1.959	1.435	.8225	.3693	14.54
%RSD	42.74	174.8	21910.	102.3	290.1	27.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0607	-.3507	.3292	.1763	3.483	-5.746
Stddev	.1367	.5383	.5480	1.541	18.87	75.24
%RSD	225.2	153.5	166.4	874.3	541.8	1309.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.05	.2740	77.23	-.1220	1.165	1.078
Stddev	7.25	.3754	20.02	.0813	2.070	3.752
%RSD	55.51	137.0	25.92	66.68	177.6	348.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.116	.6290	.4260	-.0069	.5335	4.880
Stddev	2.776	.4618	.3099	.2615	1.319	2.285
%RSD	89.09	73.42	72.75	3783.	247.3	46.83
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 2/4/2013 12:06:47 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7585	.7775	-4.655	11.62
Stddev	.5177	.3602	1.914	22.06
%RSD	68.25	46.33	41.11	189.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	768.90	21676.	626.04
Stddev	1.37	124.	3.17
%RSD	.17780	.57318	.50581

Sample Name: mb 460-145833/1-a@2 Acquired: 2/4/2013 12:10:39 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.91	.3961	.1736	.0576	.0216	38.85
Stddev	12.24	2.252	.8032	.1139	.4303	9.61
%RSD	49.15	568.6	462.5	197.8	1993.	24.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0595	.0242	.3110	-1.164	10.70	12.32
Stddev	.1022	.5286	.1186	.590	14.38	31.32
%RSD	171.7	2182.	38.13	50.69	134.4	254.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.747	.0197	-4.852	-.1440	.4715	.5388
Stddev	2.970	.0758	18.39	.3287	2.339	1.382
%RSD	62.55	385.7	379.0	228.3	495.9	256.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3910	-.5264	-.2051	.6196	.9912	-.3542
Stddev	3.032	1.492	.6977	.1167	.5645	.1967
%RSD	775.5	283.5	340.3	18.83	56.96	55.54
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-145833/1-a@2 Acquired: 2/4/2013 12:10:39 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5555	-.1098	-6.116	9.425
Stddev	1.321	.3380	2.044	39.93
%RSD	237.8	307.9	33.42	423.6
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	755.04	21676.	622.22
Stddev	1.62	129.	6.13
%RSD	.21446	.59439	.98541

Sample Name: sd 460-49963-b-38-e@ Acquired: 2/4/2013 12:14:29 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9872.	2.555	.5604	19.50	.5083	90.47	-.0249	2.231	6.741
Stddev	73.	1.283	.3777	.11	.2491	26.34	.1693	.449	.273
%RSD	.7358	50.22	67.39	.5501	49.02	29.12	679.5	20.14	4.044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4838	7288.	103.3	107.2	16.94	-2.571	2.020	3.046	-1.363
Stddev	.3857	14.	167.2	3.9	.15	28.06	.346	.428	1.960
%RSD	79.71	.1987	161.9	3.628	.8995	1091.	17.14	14.04	143.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1569	.2736	12.14	8.839	-.6775	-1.634	.2939	2.301	54.39
Stddev	1.873	.8902	.19	.299	.2266	.201	.3897	.207	2.05
%RSD	1194.	325.4	1.558	3.389	33.45	12.28	132.6	9.008	3.774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	132.3
Stddev	15.4
%RSD	11.65
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: sd 460-49963-b-38-e@ Acquired: 2/4/2013 12:14:29 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	787.57	22339.	643.15
Stddev	7.04	153.	4.49
%RSD	.89395	.68501	.69878

Sample Name: 460-49963-b-38-g ms@ Acquired: 2/4/2013 12:18:16 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	58400.	842.5	23.67	1011.	24.84	10340.	21.68	231.7	123.0
Stddev	238.	1.8	.87	2.	.05	25.	.05	1.2	1.5
%RSD	.4081	.2126	3.674	.2207	.1945	.2434	.2120	.5054	1.254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120.4	36030.	9781.	9556.	292.6	9646.	239.3	245.5	156.2
Stddev	.9	125.	75.	14.	.7	42.	1.2	.3	3.4
%RSD	.7087	.3471	.7689	.1428	.2484	.4396	.5084	.1278	2.147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	844.8	946.2	288.1	260.9	216.0	213.5	217.6	238.5	570.8
Stddev	3.8	2.2	.3	1.3	.3	1.8	1.1	.2	2.4
%RSD	.4458	.2323	.1210	.5098	.1610	.8310	.5081	.0635	.4242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1052.
Stddev	53.
%RSD	5.034
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-49963-b-38-g ms@ Acquired: 2/4/2013 12:18:16 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	779.89	21800.	645.97
Stddev	1.20	58.	2.06
%RSD	.15374	.26749	.31857

Sample Name: pds 460-49963-b-38-e Acquired: 2/4/2013 12:21:53 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**47870.**	**1592.**	**44.50**	**1795.**	**44.84**	**18990.**	**40.53**	**426.5**	**203.7**
Stddev	310.	5.	1.24	6.	.24	81.	.21	1.2	.7
%RSD	.6483	.3315	2.787	.3320	.5323	.4250	.5271	.2910	.3575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**217.9**	**35420.**	**17640.**	**17480.**	**519.4**	**17790.**	**429.8**	**437.8**	**372.2**
Stddev	1.4	23.	71.	24.	1.9	126.	2.2	1.2	2.9
%RSD	.6488	.0655	.4041	.1401	.3679	.7106	.5094	.2744	.7772
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1578.**	**1742.**	**484.2**	**454.9**	**407.7**	**405.3**	**418.0**	**435.7**	**696.8**
Stddev	8.	9.	1.3	2.0	1.3	2.2	3.2	1.7	1.5
%RSD	.5061	.5053	.2659	.4484	.3214	.5312	.7770	.3914	.2221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**644.0**
Stddev	49.0
%RSD	7.616
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: pds 460-49963-b-38-e Acquired: 2/4/2013 12:21:53 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	810.12	22510.	674.45
Stddev	.98	61.	3.36
%RSD	.12043	.26902	.49803

Sample Name: 460-50190-a-1-g@4 Acquired: 2/4/2013 12:25:24 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23820.**	**12.68**	**-.2675**	**141.5**	**1.665**	**7703.**	**-.0886**	**33.07**	**58.86**
Stddev	267.	2.84	1.049	.5	.322	32.	.1742	.52	1.16
%RSD	1.121	22.42	392.1	.3485	19.35	.4113	196.6	1.579	1.977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**68.33**	**50900.**	**2527.**	**10690.**	**1205.**	**315.3**	**206.6**	**75.31**	**1.919**
Stddev	.65	145.	104.	27.	4.	28.8	.5	1.44	1.981
%RSD	.9469	.2851	4.132	.2545	.3574	9.147	.2311	1.909	103.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9978**	**1.056**	**61.78**	**159.1**	**2.650**	**.1932**	**3.840**	**32.61**	**925.0**
Stddev	1.524	.703	.33	.1	.885	.4123	.361	.25	18.3
%RSD	152.8	66.61	.5323	.0537	33.39	213.4	9.397	.7528	1.980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**451.8**
Stddev	25.6
%RSD	5.655
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50190-a-1-g@4 Acquired: 2/4/2013 12:25:24 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	798.92	22440.	657.55
Stddev	5.30	91.	6.52
%RSD	.66316	.40556	.99192

Sample Name: 460-50190-a-2-e@4 Acquired: 2/4/2013 12:29:05 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**38500.**	**23.04**	**-.4845**	**576.0**	**2.182**	**30920.**	**1.197**	**33.55**	**91.06**
Stddev	280.	1.62	.4857	2.1	.403	283.	.091	.25	1.13
%RSD	.7266	7.032	100.2	.3716	18.48	.9156	7.607	.7592	1.245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**114.3**	**70540.**	**3987.**	**14210.**	**1299.**	**463.7**	**175.1**	**663.8**	**.1739**
Stddev	1.2	109.	57.	90.	1.	13.1	1.5	2.0	1.129
%RSD	1.054	.1541	1.430	.6312	.0494	2.826	.8711	.3079	648.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2537**	**2.019**	**110.0**	**673.6**	**10.43**	**.4352**	**19.98**	**135.7**	**1218.**
Stddev	3.144	2.281	.9	2.3	.26	.3578	.26	.9	5.
%RSD	1239.	113.0	.8027	.3484	2.501	82.21	1.283	.6386	.4264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**1073.**
Stddev	70.
%RSD	6.495
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50190-a-2-e@4 Acquired: 2/4/2013 12:29:05 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	805.49	22459.	674.68
Stddev	1.20	88.	5.75
%RSD	.14876	.39259	.85227

Sample Name: 460-50190-a-3-e@4 Acquired: 2/4/2013 12:32:43 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**36410.**	**25.66**	**-.7271**	**885.0**	**1.596**	**39290.**	**1.333**	**28.52**	**97.87**
Stddev	334.	1.55	.6556	7.0	.498	377.	.203	.48	.35
%RSD	.9167	6.033	90.16	.7965	31.22	.9591	15.23	1.683	.3577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**144.9**	**80900.**	**4072.**	**11570.**	**1594.**	**433.9**	**134.6**	**1829.**	**2.936**
Stddev	1.0	76.	50.	33.	3.	19.0	1.0	12.	2.144
%RSD	.6601	.0942	1.239	.2873	.2012	4.377	.7262	.6377	73.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.377**	**1.603**	**141.9**	**988.5**	**10.86**	**.8964**	**40.41**	**143.2**	**1200.**
Stddev	1.138	.953	.9	4.8	.76	.4737	1.11	1.4	13.
%RSD	47.89	59.49	.6321	.4843	7.010	52.84	2.735	.9556	1.046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**1268.**
Stddev	78.
%RSD	6.138
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50190-a-3-e@4 Acquired: 2/4/2013 12:32:43 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	810.63	22712.	680.06
Stddev	2.55	82.	5.62
%RSD	.31424	.36052	.82634

Sample Name: 460-50190-a-4-e@4 Acquired: 2/4/2013 12:36:21 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36010.	16.55	-1.948	228.8	1.808	18290.	.0409	28.82	79.01
Stddev	152.	1.98	.146	.7	.309	55.	.0921	.66	.83
%RSD	.4211	11.95	7.515	.3045	17.06	.2980	225.3	2.296	1.047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	80.09	62700.	3241.	14970.	1190.	380.1	200.8	213.6	16.03
Stddev	.85	19.	115.	37.	4.	4.7	2.1	3.8	2.59
%RSD	1.063	.0298	3.548	.2473	.3443	1.231	1.027	1.764	16.16
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.750	3.477	100.00	346.3	6.739	.3463	4.994	74.50	1109.
Stddev	1.823	.308	.514	2.4	.672	.1277	.946	.81	3.
%RSD	104.2	8.852	.5145	.6951	9.975	36.88	18.94	1.091	.2604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	927.7
Stddev	26.7
%RSD	2.873
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50190-a-4-e@4 Acquired: 2/4/2013 12:36:21 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	801.89	22501.	670.44
Stddev	2.29	25.	2.88
%RSD	.28618	.10910	.42991

Sample Name: 460-50190-a-5-g@4 Acquired: 2/4/2013 12:40:02 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21550.**	**12.04**	**-1.175**	**211.1**	**1.035**	**8059.**	**.3007**	**25.52**	**62.31**
Stddev	75.	1.16	.291	1.4	.241	42.	.2042	.34	1.20
%RSD	.3481	9.612	24.79	.6457	23.29	.5222	67.92	1.347	1.931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**60.36**	**48360.**	**2738.**	**9351.**	**999.8**	**208.0**	**193.2**	**230.7**	**.0754**
Stddev	.41	175.	104.	23.	4.8	31.0	1.8	3.1	.1675
%RSD	.6875	.3611	3.789	.2462	.4813	14.92	.9352	1.341	222.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.381**	**.0124**	**66.01**	**301.9**	**5.151**	**.1667**	**5.433**	**41.75**	**962.3**
Stddev	3.558	.8022	.38	2.4	.723	.2226	.687	.26	1.6
%RSD	149.5	6492.	.5807	.7877	14.03	133.5	12.65	.6175	.1651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**632.4**
Stddev	27.9
%RSD	4.412
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50190-a-5-g@4 Acquired: 2/4/2013 12:40:02 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	801.20	22522.	658.47
Stddev	.74	66.	2.84
%RSD	.09290	.29344	.43128

Sample Name: CCV Acquired: 2/4/2013 12:46:49 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122200.	2389.	1247.	9796.	962.3	124300.
Stddev	352.	5.	3.	28.	2.0	466.
%RSD	.2879	.2190	.2113	.2859	.2115	.3749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1208.	2440.	4925.	12270.	98760.	48490.
Stddev	4.	7.	5.	9.	40.	151.
%RSD	.2960	.2919	.0956	.0773	.0401	.3122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122000.	4881.	123400.	2447.	7382.	962.6
Stddev	148.	11.	376.	7.	13.	1.7
%RSD	.1210	.2181	.3044	.2827	.1779	.1769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2420.	2452.	2448.	2448.	962.3	2429.
Stddev	14.	15.	5.	5.	2.4	6.
%RSD	.5657	.6023	.2221	.2007	.2514	.2463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 2/4/2013 12:46:49 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	973.5	4851.	9784.	9426.
Stddev	3.6	15.	9.	66.
%RSD	.3653	.3178	.0907	.6994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	699.82	20168.	629.25
Stddev	3.33	35.	2.96
%RSD	.47565	.17341	.47019

Sample Name: CCB Acquired: 2/4/2013 12:50:14 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49.18**	**1.180**	**.4507**	**.5907**	**.2141**	**27.16**
Stddev	30.94	1.548	.0788	.3592	.4634	46.20
%RSD	62.91	131.2	17.48	60.82	216.4	170.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0082**	**-.0145**	**.3685**	**.3887**	**16.13**	**55.98**
Stddev	.0469	.5842	.6259	1.314	15.32	45.87
%RSD	568.8	4023.	169.9	338.2	95.00	81.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12.60**	**.3036**	**103.2**	**.0307**	**1.091**	**.7029**
Stddev	5.92	.3597	40.1	.2866	1.289	1.011
%RSD	46.97	118.4	38.84	932.0	118.1	143.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.565**	**1.181**	**.1795**	**.2075**	**.5915**	**4.320**
Stddev	3.246	1.902	.1489	.3119	.7835	1.933
%RSD	207.4	161.1	82.95	150.3	132.4	44.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 2/4/2013 12:50:14 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7971	.8939	-2.547	21.59
Stddev	.5100	1.130	3.631	14.51
%RSD	63.98	126.4	142.6	67.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	773.35	21997.	631.50
Stddev	1.80	47.	4.83
%RSD	.23279	.21321	.76503

Sample Name: 460-50190-a-7-e@4 Acquired: 2/4/2013 12:54:07 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**28110.**	**17.87**	**-.4012**	**264.6**	**1.555**	**37970.**	**.2170**	**22.51**	**69.40**
Stddev	285.	2.81	.5138	.7	.261	384.	.1256	.11	.42
%RSD	1.013	15.75	128.1	.2792	16.76	1.013	57.86	.4760	.6054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**82.08**	**62030.**	**4476.**	**12650.**	**1084.**	**1064.**	**151.9**	**270.9**	**2.128**
Stddev	1.42	29.	92.	22.	2.	26.	.6	2.1	3.703
%RSD	1.732	.0467	2.044	.1763	.1869	2.434	.4118	.7744	174.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0392**	**1.433**	**88.51**	**335.2**	**8.701**	**.7262**	**8.399**	**134.5**	**1327.**
Stddev	.4307	1.337	.69	.6	.730	.4092	.808	1.5	8.
%RSD	1098.	93.32	.7774	.1796	8.391	56.34	9.622	1.098	.6063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**1764.**
Stddev	27.
%RSD	1.550
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50190-a-7-e@4 Acquired: 2/4/2013 12:54:07 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	804.51	22499.	674.87
Stddev	2.84	44.	6.11
%RSD	.35259	.19755	.90500

Sample Name: 460-50190-a-8-e@4 Acquired: 2/4/2013 12:57:47 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**34290.**	**21.62**	**-.2645**	**265.5**	**1.462**	**17700.**	**.2759**	**32.04**	**69.43**
Stddev	261.	3.21	.3009	1.1	.063	121.	.0397	.10	.62
%RSD	.7605	14.85	113.8	.4263	4.327	.6842	14.40	.3001	.8963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**86.84**	**62370.**	**2606.**	**9832.**	**1125.**	**354.2**	**158.7**	**275.3**	**1.323**
Stddev	1.42	196.	117.	9.	3.	22.9	.2	1.7	1.728
%RSD	1.638	.3149	4.478	.0925	.2960	6.478	.1054	.6079	130.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1505**	**.2554**	**88.33**	**355.2**	**3.938**	**.5577**	**14.32**	**88.44**	**871.3**
Stddev	2.097	2.010	.12	1.7	.422	.1813	.38	.92	1.2
%RSD	1394.	787.2	.1314	.4922	10.71	32.50	2.655	1.041	.1364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**942.0**
Stddev	47.7
%RSD	5.066
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50190-a-8-e@4 Acquired: 2/4/2013 12:57:47 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	810.19	22657.	674.87
Stddev	1.48	27.	3.49
%RSD	.18313	.11899	.51712

Sample Name: 460-50190-e-9-e@4 Acquired: 2/4/2013 13:01:28 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**45510.**	**27.71**	**.7120**	**847.7**	**1.883**	**62770.**	**1.301**	**29.92**	**113.9**
Stddev	342.	1.84	.8219	2.8	.157	472.	.039	.72	1.3
%RSD	.7517	6.620	115.4	.3337	8.346	.7517	3.002	2.393	1.111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**145.8**	**71510.**	**3880.**	**23250.**	**1153.**	**805.7**	**172.5**	**902.9**	**1.341**
Stddev	.3	71.	88.	14.	1.	47.4	1.1	3.3	2.261
%RSD	.2102	.0989	2.274	.0601	.0638	5.882	.6624	.3706	168.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4943**	**.0401**	**120.5**	**951.7**	**13.63**	**1.382**	**44.67**	**198.4**	**1088.**
Stddev	2.094	2.584	.2	4.0	.47	.327	1.00	1.1	3.
%RSD	423.6	6443.	.2061	.4225	3.445	23.67	2.245	.5499	.2354
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**1389.**
Stddev	44.
%RSD	3.132
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50190-e-9-e@4 Acquired: 2/4/2013 13:01:28 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	803.10	22521.	680.68
Stddev	1.74	48.	5.04
%RSD	.21668	.21186	.74079

Sample Name: 460-50190-a-10-b@4 Acquired: 2/4/2013 13:05:07 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38130.	18.60	6.589	244.7	1.626	11760.	.2123	26.81	66.65
Stddev	94.	3.46	.680	1.2	.037	81.	.1344	.38	1.03
%RSD	.2459	18.59	10.31	.5092	2.275	.6902	63.29	1.434	1.540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	75.85	59140.	3032.	10140.	1117.	325.0	155.2	163.3	-.0079
Stddev	.84	438.	22.	58.	1.	18.0	1.3	1.1	2.251
%RSD	1.103	.7404	.7311	.5725	.1028	5.543	.8483	.6965	28330.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.348	2.478	94.18	222.1	6.158	.4582	8.170	64.32	1050.
Stddev	4.797	1.307	.69	1.4	.436	.5151	1.186	.20	5.
%RSD	356.0	52.73	.7309	.6136	7.074	112.4	14.52	.3107	.4385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	930.3
Stddev	13.8
%RSD	1.486
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50190-a-10-b@4 Acquired: 2/4/2013 13:05:07 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	807.50	22726.	673.92
Stddev	3.85	79.	.71
%RSD	.47697	.34755	.10520

Sample Name: 460-50238-a-17-a@4 Acquired: 2/4/2013 13:08:39 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**42300.**	**22.68**	**-.5249**	**467.1**	**2.043**	**187800.**	**1.630**	**28.87**
Stddev	58.	1.72	.2571	2.1	.384	1150.	.159	.38
%RSD	.1373	7.574	48.97	.4455	18.77	.6127	9.774	1.325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**83.93**	**115.0**	**72040.**	**9076.**	**63800.**	**1256.**	**3216.**	**52.24**
Stddev	2.32	1.0	154.	30.	225.	4.	11.	.74
%RSD	2.761	.8969	.2141	.3348	.3528	.3150	.3533	1.422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**646.5**	**1.050**	**-3.737**	**1.459**	**126.1**	**1171.**	**26.83**	**.1370**
Stddev	6.3	3.075	5.863	1.266	1.1	4.	1.15	.4635
%RSD	.9703	292.7	156.9	86.74	.8868	.3397	4.295	338.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**24.43**	**348.1**	**1732.**	**1520.**
Stddev	.75	1.7	4.	18.
%RSD	3.066	.4964	.2491	1.182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: 460-50238-a-17-a@4 Acquired: 2/4/2013 13:08:39 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	772.17	21600.	662.71
Stddev	5.12	142.	3.42
%RSD	.66277	.65714	.51565

Sample Name: 460-50238-a-19-a@4 Acquired: 2/4/2013 13:12:12 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**42240.**	**23.37**	**.1145**	**394.7**	**1.786**	**119100.**	**.8454**	**29.46**
Stddev	396.	1.66	.7529	2.5	.286	887.	.0965	.12
%RSD	.9378	7.084	657.6	.6434	16.00	.7446	11.42	.4214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**95.75**	**125.2**	**79820.**	**10070.**	**33640.**	**1325.**	**2361.**	**55.73**
Stddev	.49	.7	510.	131.	169.	5.	35.	.95
%RSD	.5121	.5463	.6394	1.300	.5026	.3712	1.503	1.697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**860.6**	**9.729**	**-1.252**	**.1056**	**132.1**	**462.7**	**14.88**	**.3379**
Stddev	5.9	1.928	1.268	2.316	1.2	2.4	.23	.1932
%RSD	.6904	19.82	101.2	2192.	.9051	.5287	1.525	57.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**26.48**	**316.4**	**2088.**	**1322.**
Stddev	.24	1.3	10.	27.
%RSD	.9013	.4104	.4645	2.016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: 460-50238-a-19-a@4 Acquired: 2/4/2013 13:12:12 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	794.05	22153.	681.21
Stddev	4.05	36.	7.48
%RSD	.51030	.16420	1.0977

Sample Name: 460-50238-a-21-a@4 Acquired: 2/4/2013 13:15:48 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49120.**	**23.18**	**-.6368**	**368.9**	**2.494**	**187000.**	**.3541**	**28.65**
Stddev	157.	3.92	1.161	6.1	.378	100.	.1057	.51
%RSD	.3193	16.91	182.3	1.654	15.14	.0532	29.84	1.768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**87.97**	**101.3**	**77790.**	**8068.**	**43820.**	**1420.**	**1727.**	**50.76**
Stddev	.51	1.8	563.	171.	277.	4.	23.	1.11
%RSD	.5744	1.736	.7241	2.113	.6323	.3105	1.358	2.183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**769.2**	**5.270**	**1.080**	**1.980**	**138.0**	**488.5**	**18.56**	**.8673**
Stddev	8.7	3.175	2.597	1.180	1.2	7.2	.64	.0317
%RSD	1.132	60.25	240.4	59.58	.8836	1.464	3.428	3.655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**69.53**	**502.7**	**1815.**	**1653.**
Stddev	.12	.9	10.	70.
%RSD	.1722	.1757	.5305	4.250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: 460-50238-a-21-a@4 Acquired: 2/4/2013 13:15:48 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	806.69	22469.	694.75
Stddev	3.14	36.	2.77
%RSD	.38942	.16160	.39913

Sample Name: 460-50238-a-23-a@4 Acquired: 2/4/2013 13:19:25 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**44100.**	**31.70**	**-1.135**	**803.7**	**2.752**	**181500.**	**.4005**	**25.40**
Stddev	275.	1.50	.422	7.0	.256	2009.	.1060	.13
%RSD	.6232	4.745	37.19	.8690	9.298	1.107	26.46	.4980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**101.6**	**99.69**	**95620.**	**4687.**	**43330.**	**1604.**	**3284.**	**47.59**
Stddev	.8	.84	362.	149.	215.	5.	22.	.55
%RSD	.7885	.8455	.3789	3.184	.4962	.3228	.6821	1.163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**602.5**	**3.981**	**-1.202**	**3.163**	**118.1**	**458.0**	**27.32**	**1.716**
Stddev	4.2	2.091	4.422	2.210	.5	4.5	.65	.214
%RSD	.6961	52.54	367.8	69.88	.4257	.9759	2.370	12.46
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**20.80**	**550.7**	**1341.**	**2182.**
Stddev	.88	3.6	18.	72.
%RSD	4.225	.6466	1.308	3.283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: 460-50238-a-23-a@4 Acquired: 2/4/2013 13:19:25 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	801.82	22517.	686.06
Stddev	4.74	57.	7.69
%RSD	.59134	.25254	1.1211

Sample Name: 460-50238-a-25-a@4 Acquired: 2/4/2013 13:23:03 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49880.**	**22.21**	**-.0509**	**279.6**	**2.287**	**11000.**	**.2462**	**31.68**	**95.83**
Stddev	232.	1.47	.7858	1.4	.053	137.	.1929	.16	.45
%RSD	.4641	6.616	1545.	.5068	2.342	1.242	78.37	.4982	.4671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**59.93**	**73410.**	**2780.**	**8545.**	**783.2**	**1855.**	**37.58**	**372.9**	**2.590**
Stddev	.57	230.	60.	36.	3.2	6.	.48	1.8	.948
%RSD	.9568	.3138	2.156	.4236	.4142	.3106	1.290	.4928	36.59
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8917**	**-.9397**	**110.4**	**474.1**	**7.513**	**1.441**	**10.51**	**42.57**	**547.0**
Stddev	4.153	1.228	1.1	2.7	.462	.413	.45	.15	3.1
%RSD	465.8	130.6	.9517	.5737	6.152	28.71	4.236	.3637	.5693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**1244.**
Stddev	24.
%RSD	1.932
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50238-a-25-a@4 Acquired: 2/4/2013 13:23:03 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	811.78	22706.	679.05
Stddev	1.40	129.	5.99
%RSD	.17273	.56879	.88263

Sample Name: 460-50238-a-29-a@4 Acquired: 2/4/2013 13:26:42 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**42500.**	**36.14**	**.5197**	**635.9**	**1.738**	**97370.**	**.9876**	**48.93**	**118.5**
Stddev	158.	2.38	.4755	3.1	.276	394.	.0225	.48	.5
%RSD	.3719	6.572	91.51	.4810	15.87	.4044	2.279	.9730	.4073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**153.6**	**98770.**	**6693.**	**30670.**	**1993.**	**2358.**	**58.72**	**2645.**	**4.033**
Stddev	1.3	718.	48.	231.	17.	16.	.04	10.	2.304
%RSD	.8706	.7267	.7158	.7531	.8652	.6850	.0697	.3599	57.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9101**	**1.205**	**135.4**	**833.1**	**15.53**	**3.359**	**29.61**	**264.1**	**1522.**
Stddev	1.672	.677	2.1	3.1	.91	.428	.97	1.3	10.
%RSD	183.7	56.19	1.544	.3697	5.830	12.75	3.269	.5088	.6872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**1318.**
Stddev	62.
%RSD	4.706
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50238-a-29-a@4 Acquired: 2/4/2013 13:26:42 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	805.91	22448.	685.47
Stddev	1.66	249.	3.64
%RSD	.20591	1.1111	.53033

Sample Name: CCV Acquired: 2/4/2013 13:30:23 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122900.	2406.	1250.	9828.	971.0	125900.
Stddev	1046.	3.	4.	17.	13.3	1579.
%RSD	.8506	.1194	.3289	.1746	1.364	1.254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1212.	2452.	4931.	12240.	98870.	49190.
Stddev	2.	1.	16.	77.	287.	727.
%RSD	.1249	.0601	.3285	.6327	.2905	1.478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122200.	4927.	124300.	2459.	7406.	970.1
Stddev	625.	8.	1117.	8.	12.	1.8
%RSD	.5116	.1575	.8987	.3140	.1567	.1873
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2427.	2460.	2453.	2461.	964.3	2443.
Stddev	10.	7.	6.	4.	3.2	3.
%RSD	.4026	.2722	.2378	.1650	.3366	.1362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 2/4/2013 13:30:23 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**976.4**	**4920.**	**9855.**	**9344.**
Stddev	2.9	64.	107.	14.
%RSD	.2995	1.305	1.081	.1537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	703.76	20306.	630.54
Stddev	2.68	15.	7.49
%RSD	.38023	.07499	1.1875

Sample Name: CCB Acquired: 2/4/2013 13:33:48 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21.97	.7193	-.8746	.8234	.5647	44.60
Stddev	28.34	1.957	.3880	.7711	.2928	18.73
%RSD	129.0	272.1	44.37	93.64	51.84	42.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0081	.4607	.8591	.2916	24.81	2.968
Stddev	.0033	.4446	.7335	1.729	14.22	85.97
%RSD	40.84	96.50	85.38	593.1	57.33	2896.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.76	.4738	68.52	.2407	1.276	2.331
Stddev	12.64	.6516	57.50	.4572	1.349	1.225
%RSD	71.19	137.5	83.91	189.9	105.8	52.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.324	1.275	.5277	.1871	.0095	4.359
Stddev	2.714	1.180	.7026	.3019	.7125	2.209
%RSD	204.9	92.53	133.1	161.4	7501.	50.67
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 2/4/2013 13:33:48 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.7161	.4216	.2475	1.076
Stddev	.5065	.7268	1.667	4.706
%RSD	70.72	172.4	673.5	437.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	778.88	22045.	637.11
Stddev	2.46	80.	3.85
%RSD	.31547	.36123	.60453

Sample Name: 460-50190-a-6-e@4 Acquired: 2/4/2013 13:37:38 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24740.**	**13.59**	**.4834**	**214.4**	**1.256**	**12570.**	**.1657**	**32.56**	**63.66**
Stddev	196.	1.25	.6226	.6	.105	44.	.0082	.19	.17
%RSD	.7911	9.214	128.8	.2613	8.341	.3492	4.923	.5958	.2696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**84.34**	**54430.**	**3183.**	**11010.**	**1261.**	**310.6**	**191.6**	**195.2**	**2.514**
Stddev	1.04	98.	35.	16.	2.	13.2	.4	1.2	1.243
%RSD	1.239	.1805	1.095	.1432	.1842	4.250	.2015	.5935	49.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.232**	**-.3798**	**91.51**	**231.2**	**4.444**	**.6731**	**5.442**	**58.92**	**1110.**
Stddev	1.301	2.631	.47	.8	.674	.1356	.983	.10	7.
%RSD	105.6	692.8	.5147	.3670	15.16	20.14	18.06	.1669	.5885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**817.8**
Stddev	40.6
%RSD	4.961
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50190-a-6-e@4 Acquired: 2/4/2013 13:37:38 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	813.44	22630.	677.32
Stddev	1.27	50.	4.50
%RSD	.15605	.22117	.66376

Sample Name: 460-50140-f-1-a@4 Acquired: 2/4/2013 13:41:18 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**34080.**	**11.71**	**-.8663**	**89.81**	**.4537**	**22400.**	**-.1359**	**38.78**
Stddev	202.	2.06	.1777	.29	.2466	184.	.1744	.19
%RSD	.5938	17.59	20.52	.3214	54.35	.8232	128.3	.4798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25.19**	**312.2**	**100600.**	**1584.**	**16350.**	**1122.**	**6796.**	**57.84**
Stddev	.62	.5	104.	92.	22.	1.	50.	.73
%RSD	2.474	.1549	.1030	5.816	.1355	.1323	.7427	1.263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Pb2203	Sb2068	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24.74**	**1.918**	**-.8774**	**.5237**	**283.0**	**183.5**	**236.0**	**1.099**
Stddev	.77	4.619	1.766	1.176	.6	.7	1.3	.090
%RSD	3.111	240.8	201.3	224.5	.2030	.3868	.5477	8.212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**5.953**	**47.92**	**4304.**	**675.4**
Stddev	.372	.38	20.	12.9
%RSD	6.241	.7962	.4629	1.911
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: 460-50140-f-1-a@4 Acquired: 2/4/2013 13:41:18 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	873.40	24256.	738.58
Stddev	2.50	38.	4.98
%RSD	.28644	.15563	.67410

Sample Name: 460-50142-f-1-b@4 Acquired: 2/4/2013 13:44:58 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14390.	94.07	2.409	450.8	1.675	5609.	4.062	18.70	761.4
Stddev	100.	2.55	.347	6.0	.565	41.	.070	.23	3.7
%RSD	.6951	2.709	14.41	1.333	33.76	.7391	1.720	1.216	.4875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1625.	49210.	1712.	3306.	321.4	2769.	81.28	925.1	5.508
Stddev	8.	260.	38.	19.	1.9	36.	.67	11.3	4.186
%RSD	.5164	.5276	2.193	.5601	.6057	1.292	.8207	1.217	75.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.246	1.839	115.2	1615.	11.54	6.950	88.50	125.9	673.7
Stddev	4.382	1.338	1.1	20.	.33	.093	1.69	.7	6.1
%RSD	135.0	72.76	.9392	1.208	2.875	1.343	1.906	.5376	.9014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	830.3
Stddev	35.5
%RSD	4.272
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50142-f-1-b@4 Acquired: 2/4/2013 13:44:58 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	810.43	22979.	675.75
Stddev	4.89	144.	6.45
%RSD	.60356	.62858	.95394

Sample Name: 460-48718-e-1-f du@5 Acquired: 2/4/2013 13:48:36 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	203.9	1.388	-.4239	57.18	-.0925	451.5	-.0634
Stddev	15.9	.595	.8703	.77	.0752	33.0	.0969
%RSD	7.794	42.82	205.3	1.347	81.33	7.301	152.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7379	6.626	6.058	750.2	-876.7	101.7	38.07
Stddev	.5755	.607	.604	11.3	83.7	4.7	.07
%RSD	78.00	9.158	9.978	1.502	9.542	4.601	.1857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Tl1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 269400.	2.340	4.202	.7072	2.672	1.990	.7760
Stddev	2723.	.866	1.124	2.756	5.864	.637	.7489
%RSD	1.011	37.01	26.75	389.7	219.5	32.01	96.51
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.51	8.250	-1.623	.0193	3.195	-.1233	358.1
Stddev	.58	.913	.223	.5495	.272	2.228	16.8
%RSD	4.275	11.07	13.76	2844.	8.510	1808.	4.687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-48718-e-1-f du@5 Acquired: 2/4/2013 13:48:36 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	759.26	20766.	642.54
Stddev	6.41	105.	5.66
%RSD	.84435	.50625	.88040

Sample Name: 460-48718-e-1-e@5 Acquired: 2/4/2013 13:52:23 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	221.1	.2194	.6881	57.08	-.0807	427.8	-.0667
Stddev	26.3	1.327	.2125	.15	.1874	18.9	.1407
%RSD	11.88	605.0	30.88	.2677	232.2	4.421	211.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3417	5.675	6.479	750.2	-772.0	91.78	37.55
Stddev	.2241	.652	.105	6.2	23.8	3.76	.15
%RSD	65.58	11.50	1.627	.8260	3.082	4.101	.4125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Tl1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 266900.	2.173	2.673	2.478	-.0252	.7769	.5778
Stddev	2119.	.287	1.729	1.298	4.684	.6448	.7110
%RSD	.7942	13.21	64.69	52.38	18590.	83.00	123.1
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.37	8.510	-1.369	1.306	2.858	2.490	326.7
Stddev	.14	.422	.053	.724	.305	4.058	21.9
%RSD	1.044	4.965	3.860	55.45	10.68	163.0	6.713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-48718-e-1-e@5 Acquired: 2/4/2013 13:52:23 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	758.34	20812.	644.20
Stddev	.62	52.	5.55
%RSD	.08189	.24892	.86112

Sample Name: sd 460-48718-e-1-e@2 Acquired: 2/4/2013 13:56:09 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	75.61	-2.442	-.5449	11.54	.2711	133.3	.0346	-.3961	1.653
Stddev	33.24	3.474	.7761	.29	.3366	9.4	.0531	.4174	.378
%RSD	43.97	142.3	142.4	2.483	124.1	7.080	153.3	105.4	22.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7968	143.5	-178.4	20.39	7.463	55370.	.4461	.4818	-.5672
Stddev	.6178	7.3	52.9	5.11	.064	238.	.2478	2.229	.5348
%RSD	77.53	5.095	29.65	25.07	.8527	.4303	55.54	462.7	94.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2548	.2017	.4134	3.143	-.0074	-1.470	.2778	.5982	-1.049
Stddev	1.136	1.328	.2525	.187	1.142	.260	.1924	.1495	4.240
%RSD	445.8	658.5	61.08	5.963	15470.	17.66	69.26	24.99	404.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	103.7
Stddev	18.6
%RSD	17.94
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: sd 460-48718-e-1-e@2 Acquired: 2/4/2013 13:56:09 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	774.83	21645.	645.72
Stddev	3.39	63.	1.87
%RSD	.43697	.29072	.28962

Sample Name: 460-48718-e-1-g ms@5 Acquired: 2/4/2013 13:59:57 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1177.	919.4	96.97	1939.	191.1	4534.	192.1
Stddev	18.	3.5	.31	4.	.8	44.	.5
%RSD	1.508	.3856	.3163	.2196	.4311	.9593	.2390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	191.0	985.2	199.8	948.0	3101.	3882.	234.8
Stddev	.8	2.9	.8	19.9	99.	10.	.5
%RSD	.4221	.2942	.3872	2.098	3.181	.2572	.2326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Tl1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 267000.	197.4	953.9	181.9	189.7	191.6	97.34
Stddev	2524.	1.3	3.8	1.0	4.9	2.8	.75
%RSD	.9453	.6543	.4007	.5375	2.587	1.487	.7746
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	209.3	192.2	187.8	176.7	194.6	187.2	382.7
Stddev	.1	.4	.9	2.0	1.7	2.1	15.4
%RSD	.0418	.2293	.4670	1.103	.8736	1.139	4.034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 460-48718-e-1-g ms@5 Acquired: 2/4/2013 13:59:57 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	758.85	21013.	651.72
Stddev	1.99	54.	6.71
%RSD	.26236	.25590	1.0288

Sample Name: pds 460-48718-e-1-e@ Acquired: 2/4/2013 14:03:32 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2079.**	**1755.**	**47.81**	**1848.**	**46.17**	**20390.**	**44.28**
Stddev	20.	7.	.39	8.	.58	238.	.36
%RSD	.9618	.4055	.8178	.4203	1.259	1.168	.8235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**442.6**	**192.9**	**228.0**	**1690.**	**17750.**	**17890.**	**500.5**
Stddev	2.4	2.0	.9	7.	226.	69.	.2
%RSD	.5481	1.041	.3912	.4343	1.272	.3838	.0326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Tl1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F **290200.**	**450.6**	**447.7**	**416.2**	**1762.**	**1786.**	**460.2**
Stddev	1224.	2.2	1.3	2.5	12.	9.	.7
%RSD	.4218	.4882	.2909	.5919	.6976	.5274	.1424
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**468.9**	**450.3**	**437.2**	**446.3**	**452.9**	**463.0**	**394.8**
Stddev	2.7	3.6	1.5	3.4	3.5	8.2	17.6
%RSD	.5797	.8039	.3381	.7506	.7771	1.761	4.450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: pds 460-48718-e-1-e@ Acquired: 2/4/2013 14:03:32 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	745.75	20636.	635.23
Stddev	5.36	176.	9.54
%RSD	.71862	.85269	1.5019

Sample Name: lcs 460-145882/2-a Acquired: 2/4/2013 14:07:05 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5118.**	**4778.**	**508.7**	**10180.**	**991.9**	**21170.**
Stddev	49.	12.	1.2	61.	4.9	129.
%RSD	.9569	.2573	.2343	.6025	.4908	.6106
Check ?	None	Chk Pass	None	None	None	None
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1015.**	**1042.**	**5038.**	**1021.**	**1033.**	**20160.**
Stddev	6.	5.	13.	3.	8.	70.
%RSD	.6139	.4597	.2647	.3426	.7900	.3461
Check ?	None	None	Chk Pass	Chk Pass	None	None
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20050.**	**1029.**	**20930.**	**1057.**	**5171.**	**985.2**
Stddev	29.	2.	113.	6.	40.	5.8
%RSD	.1428	.1635	.5398	.5326	.7813	.5883
Check ?	None	None	None	Chk Pass	Chk Pass	None
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**958.9**	**1080.**	**500.8**	**1022.**	**990.7**	**1016.**
Stddev	10.4	3.	1.4	5.	7.9	4.
%RSD	1.079	.2328	.2842	.4474	.8013	.4330
Check ?	Chk Pass	None	None	Chk Pass	None	None
Value						
Range						

Sample Name: lcs 460-145882/2-a Acquired: 2/4/2013 14:07:05 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	950.3	1004.	979.3	43.18
Stddev	4.8	4.	3.5	23.68
%RSD	.5090	.4125	.3542	54.84
Check ?	None	None	None	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	745.71	21608.	650.33
Stddev	5.00	101.	4.96
%RSD	.66990	.46853	.76264

Sample Name: mb 460-145882/1-a Acquired: 2/4/2013 14:10:34 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.97	1.996	.1892	.6048	.2192	28.16
Stddev	14.82	1.266	.1139	.7726	.2269	15.20
%RSD	87.33	63.39	60.21	127.7	103.5	53.97
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1361	-.1999	1.004	-.0131	3.264	16.48
Stddev	.0849	.2488	.510	.6164	10.40	46.61
%RSD	62.34	124.4	50.73	4690.	318.5	282.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.403	.0763	122.2	-.0580	2.069	1.749
Stddev	4.452	.1210	28.7	.7474	1.492	3.024
%RSD	130.8	158.5	23.48	1290.	72.10	172.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.929	1.310	-.0464	.2437	-.4261	.3585
Stddev	2.697	.964	.5396	.2306	.2468	.6042
%RSD	92.09	73.59	1163.	94.64	57.92	168.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-145882/1-a Acquired: 2/4/2013 14:10:34 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2806	.4328	-1.887	10.27
Stddev	.3794	.1997	2.235	16.71
%RSD	135.2	46.13	118.4	162.7
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	782.51	22036.	642.97
Stddev	1.03	78.	2.51
%RSD	.13108	.35343	.39056

Sample Name: CCV Acquired: 2/4/2013 14:14:23 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120400.	2347.	1234.	9581.	947.9	123000.
Stddev	1188.	3.	2.	11.	6.5	1053.
%RSD	.9866	.1070	.1438	.1179	.6817	.8563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1180.	2393.	4862.	12140.	97180.	48020.
Stddev	2.	1.	16.	21.	302.	532.
%RSD	.1671	.0251	.3383	.1739	.3110	1.108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120600.	4858.	122400.	2390.	7208.	944.7
Stddev	377.	16.	930.	3.	4.	3.8
%RSD	.3130	.3394	.7601	.1069	.0544	.3976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2367.	2398.	2420.	2397.	939.6	2392.
Stddev	7.	4.	3.	2.	1.0	1.
%RSD	.2952	.1582	.1418	.0975	.1042	.0497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 2/4/2013 14:14:23 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	951.2	4826.	9635.	9122.
Stddev	4.1	37.	68.	80.
%RSD	.4295	.7627	.7027	.8795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	712.27	20343.	638.75
Stddev	.47	98.	6.05
%RSD	.06637	.48138	.94659

Sample Name: CCB Acquired: 2/4/2013 14:17:49 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.44	2.026	.9155	.7073	.0637	38.85
Stddev	48.07	.848	.7414	.5575	.2135	39.04
%RSD	97.23	41.85	80.98	78.83	335.1	100.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0943	.2218	.9805	.5837	25.40	12.10
Stddev	.1369	.1728	.6373	1.793	14.16	88.75
%RSD	145.3	77.89	65.00	307.1	55.74	733.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.52	.5648	122.4	.1100	1.004	1.768
Stddev	18.13	.4713	39.5	.5350	1.441	1.033
%RSD	157.4	83.43	32.27	486.2	143.5	58.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0899	1.979	-.2855	.2360	.5400	4.347
Stddev	.9238	.899	.1530	.0961	.3907	2.330
%RSD	1027.	45.42	53.57	40.72	72.36	53.59
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 2/4/2013 14:17:49 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4663	1.125	-2.511	29.51
Stddev	.8139	1.358	4.016	17.59
%RSD	174.5	120.8	159.9	59.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	777.31	21985.	630.50
Stddev	5.16	82.	6.65
%RSD	.66326	.37305	1.0551

Sample Name: lb 460-145707/1-b@5 Acquired: 2/4/2013 14:21:41 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.590	1.693	.2183	15.21	-.2679	134.1	-.0374
Stddev	6.488	.426	.3976	.14	.0994	21.9	.2592
%RSD	98.45	25.18	182.1	.8910	37.09	16.36	692.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
IS Ref	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5548	.0181	1.854	4.084	-940.9	21.49	.2462
Stddev	.1091	.5305	.948	4.470	100.2	5.55	.1379
%RSD	19.67	2938.	51.14	109.5	10.65	25.84	56.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se196	Tl1908	V_2924
IS Ref	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 264600.	1.412	3.867	2.238	3.534	1.157	-.2525
Stddev	2466.	.036	.891	3.227	1.343	2.253	.9489
%RSD	.9321	2.588	23.04	144.2	38.01	194.8	375.9
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.						
Low Limit	-5000.						

Elem	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349	Si2881
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.327	7.439	-.9947	.2896	.8830	-3.216	19.61
Stddev	.100	.242	.1972	.5351	.1166	2.240	19.44
%RSD	1.074	3.247	19.82	184.8	13.21	69.67	99.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: lb 460-145707/1-b@5 Acquired: 2/4/2013 14:21:41 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	754.61	20507.	641.12
Stddev	1.70	51.	2.63
%RSD	.22482	.24937	.40961

Sample Name: lb 460-145715/1-d Acquired: 2/4/2013 14:25:29 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12.97**	**1.326**	**.1554**	**14.57**	**.0271**	**310.3**	**-.1278**	**.0316**	**.1389**
Stddev	14.86	1.413	.2957	.04	.2283	18.3	.0394	.1759	.8560
%RSD	114.6	106.6	190.3	.2464	841.5	5.888	30.82	557.2	616.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7315**	**18.11**	**101.9**	**53.16**	**.2200**	**2773.**	**.2627**	**.1679**	**.8698**
Stddev	.9042	17.54	128.7	1.64	.0444	106.	.4025	.7641	1.692
%RSD	123.6	96.87	126.3	3.090	20.17	3.817	153.2	455.1	194.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.289**	**1.196**	**.0141**	**8.071**	**18.91**	**-1.131**	**.1703**	**1.211**	**-3.442**
Stddev	2.787	.769	.6053	.408	.33	.590	.5757	.230	1.982
%RSD	84.73	64.30	4289.	5.051	1.735	52.18	338.1	18.95	57.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**104.2**
Stddev	.6
%RSD	.5287
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: lb 460-145715/1-d Acquired: 2/4/2013 14:25:29 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	792.16	22195.	657.42
Stddev	2.55	19.	4.19
%RSD	.32219	.08348	.63793

Sample Name: mb 460-145849/1-a Acquired: 2/4/2013 14:29:18 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27.55	2.466	.0959	.1367	-.2404	34.09
Stddev	23.01	2.214	.1947	.0577	.1393	15.75
%RSD	83.50	89.80	203.1	42.21	57.96	46.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0524	-.1336	.2133	-1.051	-4.307	-72.77
Stddev	.1631	.1774	.3219	.436	11.90	87.71
%RSD	311.3	132.8	150.9	41.49	276.3	120.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.956	-.0885	92.75	-.4394	-.1726	2.362
Stddev	3.399	.0326	9.46	.1811	1.635	1.240
%RSD	85.92	36.85	10.20	41.21	947.3	52.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8754	2.277	.1465	5.410	-1.156	-1.460
Stddev	2.791	1.055	1.056	.047	.159	.149
%RSD	318.8	46.32	721.2	.8763	13.72	10.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-145849/1-a Acquired: 2/4/2013 14:29:18 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.3990**	**.1010**	**-4.391**	**15.48**
Stddev	1.014	.1920	1.099	24.71
%RSD	254.1	190.1	25.03	159.6
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	775.77	22084.	637.15
Stddev	3.70	203.	4.21
%RSD	.47674	.91788	.66028

Sample Name: lcs 460-145849/2-a Acquired: 2/4/2013 14:33:07 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1873.**	**1706.**	**46.62**	**1832.**	**45.45**	**19700.**
Stddev	1.	2.	.71	7.	1.21	247.
%RSD	.0691	.1211	1.514	.3562	2.671	1.252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**44.66**	**450.6**	**185.9**	**227.1**	**949.5**	**18310.**
Stddev	.10	1.7	1.3	1.7	15.5	109.
%RSD	.2222	.3753	.6827	.7670	1.630	.5966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18180.**	**467.1**	**19150.**	**456.9**	**458.3**	**409.7**
Stddev	116.	.9	152.	1.2	1.7	5.6
%RSD	.6359	.2020	.7916	.2576	.3691	1.360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1705.**	**1913.**	**455.1**	**448.0**	**446.5**	**438.2**
Stddev	8.	14.	1.6	1.1	.4	2.7
%RSD	.4522	.7306	.3452	.2555	.0946	.6168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-145849/2-a Acquired: 2/4/2013 14:33:07 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	451.5	450.8	454.8	14.46
Stddev	.4	4.6	3.7	32.36
%RSD	.0844	1.014	.8219	223.8
Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	765.26	21525.	641.56
Stddev	2.32	31.	5.44
%RSD	.30353	.14184	.84767

Sample Name: 460-50127-a-25-d du Acquired: 2/4/2013 14:36:39 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	519.1	31.30	.0866	37.21	.1804	22710.	-.0043	-.3637	.5749
Stddev	21.8	1.20	.5498	.23	.2272	115.	.0427	.2190	.7237
%RSD	4.194	3.829	634.5	.6235	125.9	.5080	1000.	60.20	125.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.19	74.23	1067.	257.2	2.800	8338.	.7296	2.198	5.014
Stddev	.69	10.29	132.	6.7	.103	45.	.4606	1.274	2.675
%RSD	6.743	13.86	12.33	2.594	3.664	.5375	63.13	57.95	53.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.291	1.090	20.82	2.721	79.67	-.3063	-.0234	177.4	-.6973
Stddev	1.798	2.021	.42	.129	.99	.5157	.3833	1.6	5.706
%RSD	139.3	185.5	2.020	4.739	1.240	168.4	1636.	.8815	818.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	4818.
Stddev	27.
%RSD	.5675
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50127-a-25-d du Acquired: 2/4/2013 14:36:39 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	782.03	22010.	650.87
Stddev	3.38	22.	2.35
%RSD	.43260	.10126	.36110

Sample Name: 460-50127-a-25-c Acquired: 2/4/2013 14:40:26 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	484.6	31.18	.1801	36.99	-.1704	22960.	-.0711	.1587	.6295
Stddev	9.5	1.24	.7232	.16	.1527	119.	.0574	.3670	.4868
%RSD	1.955	3.974	401.6	.4225	89.61	.5164	80.74	231.2	77.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.23	82.97	1045.	255.0	2.745	8379.	.4836	2.273	6.656
Stddev	.29	10.70	28.	3.3	.123	19.	.2845	.871	.968
%RSD	2.877	12.90	2.664	1.313	4.471	.2239	58.83	38.33	14.54
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2336	.2091	20.97	2.979	78.92	-1.161	-.5698	179.4	.5805
Stddev	3.983	3.393	.28	.209	.97	.112	1.011	1.2	1.646
%RSD	1705.	1623.	1.330	7.024	1.235	9.682	177.4	.6555	283.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	4805.
Stddev	52.
%RSD	1.076
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50127-a-25-c Acquired: 2/4/2013 14:40:26 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	783.73	22081.	648.92
Stddev	3.22	37.	4.19
%RSD	.41031	.16741	.64503

Sample Name: sd 460-50127-a-25-c@ Acquired: 2/4/2013 14:44:12 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	108.4	6.522	-.0390	7.486	.3641	4534.	.0203	-.2351	.0550
Stddev	15.8	1.562	.9831	.074	.1472	77.	.0190	.4196	.7396
%RSD	14.59	23.95	2519.	.9931	40.42	1.690	93.61	178.5	1345.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.602	23.19	161.5	49.20	.5287	1687.	.1104	.0581	2.505
Stddev	1.039	7.57	90.5	6.96	.0451	12.	.3638	.7010	.544
%RSD	64.87	32.64	56.06	14.15	8.527	.6981	329.7	1207.	21.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.415	.6971	4.036	1.103	14.67	-1.552	.0527	35.06	-2.663
Stddev	4.153	1.430	.357	.103	.79	.448	.3726	.82	.885
%RSD	172.0	205.1	8.840	9.299	5.416	28.84	706.9	2.330	33.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	946.9
Stddev	55.2
%RSD	5.827
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: sd 460-50127-a-25-c@ Acquired: 2/4/2013 14:44:12 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	777.41	22039.	640.92
Stddev	6.13	151.	8.85
%RSD	.78837	.68317	1.3802

Sample Name: 460-50127-a-25-e ms Acquired: 2/4/2013 14:48:00 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2407.**	**1754.**	**47.28**	**1867.**	**46.04**	**42150.**	**44.35**	**449.4**	**190.3**
Stddev	19.	3.	.27	4.	.76	461.	.12	.7	.8
%RSD	.7868	.1746	.5735	.1896	1.655	1.093	.2684	.1518	.4437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**242.8**	**1098.**	**19530.**	**18780.**	**479.0**	**27440.**	**453.2**	**454.8**	**417.0**
Stddev	.2	13.	22.	18.	1.1	148.	1.3	1.6	2.8
%RSD	.0754	1.224	.1114	.0942	.2236	.5386	.2921	.3512	.6684
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1703.**	**1893.**	**484.9**	**451.3**	**526.3**	**440.5**	**454.3**	**630.3**	**462.5**
Stddev	6.	9.	1.4	1.5	.3	1.4	1.3	5.2	3.7
%RSD	.3231	.4892	.2860	.3276	.0610	.3228	.2839	.8220	.8031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**4930.**
Stddev	33.
%RSD	.6701
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50127-a-25-e ms Acquired: 2/4/2013 14:48:00 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	766.61	21187.	637.50
Stddev	2.01	106.	4.66
%RSD	.26175	.49974	.73141

Sample Name: pds 460-50127-a-25-c Acquired: 2/4/2013 14:51:32 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2381.**	**1744.**	**46.72**	**1852.**	**45.15**	**41160.**	**44.31**	**445.7**	**188.2**
Stddev	20.	8.	.27	2.	.58	137.	.15	.6	.7
%RSD	.8571	.4680	.5694	.1340	1.280	.3330	.3449	.1415	.3808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**241.9**	**1010.**	**19240.**	**18610.**	**469.5**	**27060.**	**452.1**	**451.0**	**416.8**
Stddev	1.0	4.	106.	58.	.7	148.	.3	1.6	4.2
%RSD	.3968	.3837	.5491	.3139	.1416	.5454	.0646	.3586	1.002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1698.**	**1875.**	**477.7**	**447.0**	**523.3**	**437.9**	**451.7**	**616.3**	**457.0**
Stddev	2.	3.	1.6	.1	.7	1.4	2.0	3.0	7.6
%RSD	.1079	.1771	.3403	.0130	.1285	.3252	.4485	.4863	1.668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**4884.**
Stddev	13.
%RSD	.2659
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: pds 460-50127-a-25-c Acquired: 2/4/2013 14:51:32 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	764.54	21260.	638.72
Stddev	1.29	30.	3.97
%RSD	.16931	.14051	.62202

Sample Name: 460-50127-a-24-c Acquired: 2/4/2013 14:55:05 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2535.**	**3.947**	**-.5919**	**89.80**	**.4539**	**10460.**	**-.0038**	**.6932**	**3.052**
Stddev	21.	1.204	.2008	.56	.3913	16.	.0250	.0924	.775
%RSD	.8344	30.50	33.93	.6260	86.20	.1522	663.8	13.33	25.39
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**87.90**	**1727.**	**667.7**	**1359.**	**44.31**	**24260.**	**2.210**	**7.390**	**.7605**
Stddev	.33	11.	62.7	12.	.20	82.	.385	1.064	1.032
%RSD	.3746	.6573	9.394	.8754	.4415	.3381	17.40	14.40	135.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.504**	**.0708**	**8.960**	**65.17**	**80.42**	**1.210**	**.9830**	**45.73**	**59.17**
Stddev	2.440	1.343	.686	.59	.86	.320	.3628	.26	2.83
%RSD	97.45	1896.	7.654	.9079	1.069	26.42	36.91	.5620	4.778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**4843.**
Stddev	8.
%RSD	.1649
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50127-a-24-c Acquired: 2/4/2013 14:55:05 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	779.49	21610.	646.06
Stddev	3.17	69.	1.56
%RSD	.40630	.31723	.24089

Sample Name: CCV Acquired: 2/4/2013 14:58:52 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120900.	2317.	1241.	9507.	949.0	123800.
Stddev	1134.	11.	1.	39.	6.7	881.
%RSD	.9380	.4929	.0819	.4138	.7014	.7119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1169.	2377.	4877.	12180.	97460.	48290.
Stddev	6.	10.	2.	16.	187.	333.
%RSD	.4821	.4009	.0418	.1336	.1919	.6892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120800.	4863.	123100.	2367.	7145.	930.9
Stddev	200.	6.	1026.	11.	31.	3.2
%RSD	.1659	.1331	.8334	.4679	.4396	.3474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2346.	2371.	2425.	2383.	932.9	2383.
Stddev	11.	14.	1.	15.	2.6	11.
%RSD	.4605	.5783	.0572	.6119	.2792	.4548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 2/4/2013 14:58:52 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**947.0**	**4834.**	**9678.**	**9058.**
Stddev	7.3	33.	92.	116.
%RSD	.7744	.6854	.9505	1.283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	703.32	19868.	619.17
Stddev	2.30	29.	4.66
%RSD	.32707	.14811	.75330

Sample Name: CCB Acquired: 2/4/2013 15:02:18 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29.36	1.101	.8184	.7197	.0966	29.60
Stddev	42.67	2.676	.4377	.6040	.1275	33.69
%RSD	145.3	243.1	53.49	83.92	132.0	113.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0305	.1299	.5715	.4952	14.65	59.32
Stddev	.1610	.3810	.5530	1.388	22.73	68.23
%RSD	528.6	293.3	96.76	280.4	155.2	115.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.673	.2908	74.73	-.6091	.1634	3.219
Stddev	23.36	.5868	28.98	.3473	.6487	2.684
%RSD	241.5	201.8	38.79	57.02	396.9	83.38
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.318	.4303	.5054	.1717	.2481	4.185
Stddev	5.210	.8295	.4211	.3138	1.167	1.941
%RSD	395.4	192.8	83.32	182.8	470.5	46.38
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 2/4/2013 15:02:18 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1308	.3746	-.8139	-8.641
Stddev	.3431	1.306	3.654	8.547
%RSD	262.4	348.8	448.9	98.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	771.43	21605.	628.20
Stddev	2.37	78.	2.80
%RSD	.30732	.36270	.44646

Sample Name: mb 460-145864/1-a Acquired: 2/4/2013 15:06:10 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27.63	1.496	.1319	.1053	.3850	23.37
Stddev	18.21	1.737	.8430	.1011	.3595	12.64
%RSD	65.90	116.0	639.2	96.01	93.38	54.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0247	-.0846	-.2963	-.8332	6.408	50.03
Stddev	.1086	.3381	1.307	.5970	15.13	142.3
%RSD	439.7	399.7	441.0	71.65	236.2	284.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.567	.0174	44.25	-.3625	.8775	.6943
Stddev	2.107	.0366	15.76	.1830	.6786	2.321
%RSD	134.4	210.6	35.61	50.47	77.34	334.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5586	1.034	.1464	.0919	-1.012	-1.526
Stddev	4.106	1.619	.6056	.0995	.478	.425
%RSD	735.1	156.6	413.7	108.3	47.23	27.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-145864/1-a Acquired: 2/4/2013 15:06:10 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1699	-.2581	-3.478	33.88
Stddev	.4915	.1059	5.160	26.65
%RSD	289.3	41.03	148.4	78.65
Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	799.48	22092.	646.69
Stddev	2.26	147.	8.08
%RSD	.28246	.66718	1.2497

Sample Name: lcs 460-145864/2-a Acquired: 2/4/2013 15:09:58 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 1019.	F 893.1	F 25.16	F 951.5	F 23.60	F 10260.
Stddev	10.	4.0	.33	2.3	.13	90.
%RSD	.9754	.4448	1.300	.2435	.5704	.8810
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2000.	2000.	50.00	2000.	50.00	20000.
Range	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 23.63	F 237.2	F 97.25	F 120.2	F 495.6	F 9565.
Stddev	.03	.9	.64	1.7	5.5	21.
%RSD	.1406	.3983	.6604	1.450	1.108	.2240
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	50.00	500.0	200.0	250.0	1000.	20000.
Range	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 9831.	F 247.2	F 10090.	F 240.4	F 243.3	F 210.5
Stddev	78.	2.2	9.	.7	1.5	2.1
%RSD	.7883	.8723	.0898	.2910	.6321	1.010
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	20000.	500.0	20000.	500.0	500.0	500.0
Range	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 923.2	F 1029.	F 235.0	F 239.4	F 237.9	F 221.3
Stddev	4.8	1.	.6	1.4	.8	.6
%RSD	.5219	.0814	.2459	.6017	.3562	.2562
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2000.	2000.	500.0	500.0	500.0	500.0
Range	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%	-15.00%

Sample Name: lcs 460-145864/2-a Acquired: 2/4/2013 15:09:58 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F 235.9	F 234.9	F 234.6	19.80
Stddev	1.5	2.2	1.6	29.53
%RSD	.6404	.9441	.6825	149.1
Check ?	Chk Fail	Chk Fail	Chk Fail	None
Value	500.0	500.0	500.0	
Range	-15.00%	-15.00%	-15.00%	
Int. Std.	Y_2243	Y_3600	Y_3710	
Line	224.306 {450}	360.073 { 94}	371.030 { 91}	
Units	Cts/S	Cts/S	Cts/S	
Avg	785.33	21817.	642.87	
Stddev	1.96	46.	4.46	
%RSD	.24896	.21296	.69446	

Sample Name: 460-50175-a-3-b du Acquired: 2/4/2013 15:13:34 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	137.4	3.154	-.4102	44.75	.1057	9663.	.1152	.2350	.8010
Stddev	14.9	1.977	1.030	.36	.2630	38.	.0424	.1877	1.158
%RSD	10.84	62.67	251.1	.8010	248.9	.3911	36.78	79.89	144.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.952	180.8	1105.	3596.	28.43	19690.	1.252	4.194	2.041
Stddev	.647	20.4	47.	20.	.30	132.	.241	1.005	2.121
%RSD	6.501	11.29	4.209	.5467	1.070	.6680	19.22	23.96	104.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.247	.7318	2.066	147.3	10.66	-.0012	.3870	49.90	-.3807
Stddev	1.224	1.054	.256	.8	1.06	.0812	.9040	.21	1.612
%RSD	28.81	144.1	12.40	.5458	9.959	6971.	233.6	.4302	423.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1307.
Stddev	53.
%RSD	4.036
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50175-a-3-b du Acquired: 2/4/2013 15:13:34 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	784.81	21922.	641.92
Stddev	3.01	72.	3.62
%RSD	.38387	.32736	.56349

Sample Name: 460-50175-a-3-a Acquired: 2/4/2013 15:17:19 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	158.0	1.619	.1120	44.52	-.1610	9655.	.1326	.2701	.6823
Stddev	16.9	1.204	.5572	.28	.0942	88.	.0820	.1414	.2913
%RSD	10.69	74.34	497.7	.6330	58.52	.9120	61.82	52.35	42.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.907	196.6	1105.	3580.	28.28	19700.	1.092	3.748	3.088
Stddev	.518	4.5	107.	11.	.15	69.	.668	.671	.523
%RSD	5.226	2.315	9.703	.3186	.5184	.3477	61.21	17.89	16.95
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.394	3.560	1.619	145.4	10.05	-.9796	-.2016	49.64	1.459
Stddev	1.966	1.658	.634	1.9	.76	.4023	.2956	.55	2.257
%RSD	141.0	46.56	39.17	1.309	7.584	41.06	146.6	1.106	154.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1301.
Stddev	15.
%RSD	1.127
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50175-a-3-a Acquired: 2/4/2013 15:17:19 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	784.62	21764.	640.31
Stddev	3.97	122.	3.84
%RSD	.50594	.56083	.59996

Sample Name: sd 460-50175-a-3-a@5 Acquired: 2/4/2013 15:21:04 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34.59	2.409	.4126	9.090	.2014	1910.	-.0483	.0568	.1012
Stddev	31.07	3.409	.7402	.122	.1920	26.	.1473	.3175	.6489
%RSD	89.83	141.5	179.4	1.346	95.32	1.374	304.9	558.5	641.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.133	44.22	184.0	708.9	5.590	4006.	.0161	1.480	1.532
Stddev	.916	9.42	152.4	4.6	.077	53.	.3417	.783	.362
%RSD	80.86	21.30	82.81	.6557	1.380	1.323	2122.	52.87	23.64
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.179	.6804	.7342	28.55	.8906	-1.554	.8930	9.767	-5.085
Stddev	2.909	.9665	.4261	.23	.5875	.241	.0812	.026	.003
%RSD	133.5	142.0	58.04	.8128	65.97	15.53	9.095	.2692	.0641
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	235.8
Stddev	39.0
%RSD	16.51
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: sd 460-50175-a-3-a@5 Acquired: 2/4/2013 15:21:04 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	779.79	21753.	638.37
Stddev	2.83	75.	1.34
%RSD	.36286	.34350	.20969

Sample Name: 460-50175-a-3-c ms Acquired: 2/4/2013 15:24:55 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1154.	889.9	24.06	977.7	23.38	19440.	23.25	231.5	96.27
Stddev	78.	3.2	.62	1.4	.53	160.	.17	.2	.28
%RSD	6.794	.3547	2.590	.1410	2.261	.8240	.7510	.0810	.2865
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127.4	670.2	10460.	13130.	268.4	29150.	236.0	240.5	213.7
Stddev	.4	3.0	36.	48.	.6	286.	.4	1.8	2.3
%RSD	.3454	.4441	.3399	.3669	.2057	.9808	.1727	.7599	1.084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	907.1	988.6	235.3	378.3	244.8	217.8	230.3	277.4	233.4
Stddev	4.3	3.1	.5	.2	.2	1.3	.9	2.7	2.4
%RSD	.4693	.3152	.2111	.0582	.0732	.6151	.3908	.9809	1.020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1446.
Stddev	26.
%RSD	1.785
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50175-a-3-c ms Acquired: 2/4/2013 15:24:55 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	781.52	21661.	648.26
Stddev	1.33	82.	3.02
%RSD	.16999	.37913	.46530

Sample Name: pds 460-50175-a-3-a Acquired: 2/4/2013 15:28:33 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1988.	1751.	47.61	1865.	44.98	28770.	45.50	450.5	187.5
Stddev	54.	6.	.89	8.	.08	229.	.33	2.4	1.2
%RSD	2.711	.3355	1.863	.4396	.1681	.7962	.7270	.5385	.6160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	237.4	1133.	19420.	22050.	496.1	37840.	459.3	463.8	414.9
Stddev	2.5	14.	150.	126.	2.7	256.	1.6	3.3	3.0
%RSD	1.059	1.197	.7733	.5728	.5454	.6753	.3499	.7075	.7219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1784.	1923.	457.6	600.7	469.5	430.7	453.9	492.1	455.1
Stddev	17.	8.	1.5	2.7	1.8	2.3	1.7	4.9	3.9
%RSD	.9564	.4239	.3323	.4455	.3907	.5389	.3687	.9993	.8511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1350.
Stddev	8.
%RSD	.5798
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: pds 460-50175-a-3-a Acquired: 2/4/2013 15:28:33 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	772.19	21449.	646.48
Stddev	1.02	57.	3.48
%RSD	.13224	.26374	.53856

Sample Name: 460-50175-a-4-a Acquired: 2/4/2013 15:32:05 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	140.2	3.152	-.3369	45.05	-.0630	9706.	.0852	-.0618	.5254
Stddev	30.5	1.586	.8421	.54	.2896	70.	.0563	.1786	.5180
%RSD	21.75	50.32	249.9	1.191	459.6	.7253	66.08	289.1	98.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.01	161.5	1212.	3621.	27.87	19930.	1.371	4.130	2.869
Stddev	1.25	7.6	69.	30.	.17	190.	.591	.596	2.460
%RSD	12.48	4.721	5.684	.8266	.6211	.9546	43.07	14.43	85.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2351	1.564	1.786	147.4	10.12	1.184	.5941	50.03	-1.400
Stddev	.9743	.378	.096	1.4	.46	.666	.9758	.32	2.733
%RSD	414.5	24.20	5.391	.9519	4.508	56.32	164.2	.6442	195.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	1345.
Stddev	20.
%RSD	1.490
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50175-a-4-a Acquired: 2/4/2013 15:32:05 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	779.02	21776.	644.73
Stddev	2.95	131.	5.80
%RSD	.37882	.60028	.90021

Sample Name: 460-50160-b-1-a@4 Acquired: 2/4/2013 15:35:50 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226	Cd2265	Co2286	Cr2677
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**54700.**	**4.685**	**-1.917**	**36.36**	**-.2607**	**49540.**	**.2917**	**53.04**	**41.09**
Stddev	524.	.633	.622	.23	.1936	630.	.0631	.55	.89
%RSD	.9576	13.52	32.42	.6432	74.26	1.272	21.65	1.038	2.157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**363.7**	**91800.**	**1083.**	**40300.**	**781.2**	**8622.**	**131.6**	**7.488**	**9.260**
Stddev	1.9	72.	27.	141.	.7	82.	1.0	2.438	1.300
%RSD	.5343	.0784	2.522	.3486	.0930	.9541	.7374	32.55	14.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.579**	**-1.058**	**198.1**	**97.42**	**766.4**	**-.6552**	**4.308**	**123.1**	**7684.**
Stddev	3.386	1.022	.3	.43	4.4	.2986	.404	.9	81.
%RSD	131.3	96.57	.1725	.4400	.5689	45.58	9.388	.7667	1.056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881
IS Ref	(Y_2243)
Units	ppb
Avg	**385.7**
Stddev	33.4
%RSD	8.648
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: 460-50160-b-1-a@4 Acquired: 2/4/2013 15:35:50 Type: Unk
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	784.21	21658.	654.41
Stddev	4.47	65.	6.85
%RSD	.57046	.29964	1.0467

Sample Name: CCV Acquired: 2/4/2013 15:39:31 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**120100.**	**2343.**	**1241.**	**9568.**	**934.4**	**122100.**
Stddev	1184.	5.	2.	25.	8.0	1065.
%RSD	.9855	.2232	.1381	.2620	.8509	.8725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1179.**	**2392.**	**4902.**	**12260.**	**97810.**	**47860.**
Stddev	2.	7.	12.	31.	182.	443.
%RSD	.2117	.2817	.2372	.2548	.1861	.9248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**121400.**	**4863.**	**122400.**	**2384.**	**7197.**	**939.2**
Stddev	380.	7.	1278.	7.	20.	1.6
%RSD	.3127	.1488	1.043	.2812	.2713	.1666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2360.**	**2388.**	**2435.**	**2397.**	**938.4**	**2392.**
Stddev	11.	9.	6.	5.	3.0	4.
%RSD	.4787	.3959	.2608	.2088	.3180	.1601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 2/4/2013 15:39:31 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	951.6	4779.	9614.	9093.
Stddev	2.0	49.	118.	100.
%RSD	.2138	1.023	1.228	1.103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	704.92	19999.	626.97
Stddev	1.41	45.	5.95
%RSD	.20036	.22734	.94887

Sample Name: CCB Acquired: 2/4/2013 15:42:57 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.10	1.187	.7025	.7211	.3871	23.84
Stddev	33.03	1.301	.7188	.5199	.1777	30.92
%RSD	62.20	109.6	102.3	72.10	45.90	129.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0175	.0237	1.047	.6329	10.01	4.734
Stddev	.0966	.2221	.762	.7349	8.07	35.76
%RSD	552.3	937.4	72.76	116.1	80.61	755.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.08	.3939	57.98	.1564	.1861	.4422
Stddev	11.41	.5292	29.72	.2080	1.812	1.129
%RSD	87.18	134.4	51.26	133.0	973.4	255.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.687	3.228	.5076	.2784	1.236	4.561
Stddev	3.583	1.187	.3785	.0231	.705	2.232
%RSD	212.4	36.78	74.56	8.287	57.07	48.94
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 2/4/2013 15:42:57 Type: QC
Method: SW_012913(v8) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0878	.4718	-1.998	11.36
Stddev	.2256	.7768	1.117	16.24
%RSD	257.1	164.6	55.89	143.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	778.85	21960.	634.14
Stddev	3.10	70.	4.06
%RSD	.39782	.31761	.64081

Protocol: 245_7470
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 1 14:10:14 04 Feb 13 HG

Hg .000 ppb -3

=

*** Standard: 2 Rep: 1 Seq: 2 14:12:33 04 Feb 13 HG

Hg .200 ppb 554

=

*** Standard: 3 Rep: 1 Seq: 3 14:14:16 04 Feb 13 HG

Hg 1.00 ppb 2653

=

*** Standard: 4 Rep: 1 Seq: 4 14:16:17 04 Feb 13 HG

Hg 2.00 ppb 5073

=

*** Standard: 5 Rep: 1 Seq: 5 14:18:01 04 Feb 13 HG

Hg 5.00 ppb 13044

=

*** Standard: 6 Rep: 1 Seq: 6 14:20:01 04 Feb 13 HG

Hg 10.0 ppb 25512

=

*** Check Standard: 3 Ck3AICV Seq: 7 14:22:45 04 Feb 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.	5.11	5.00	ppb	.000

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 8 14:24:30 04 Feb 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.058	.200	ppb	.000

=

*** Check Standard: 4 Ck4QCS Seq: 9 14:26:34 04 Feb 13 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.7	4.98	5.00	ppb	.000

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*** Sample ID: Seq: 10 14:28:20 04 Feb 13 HG

mcl

Hg 1.90 ppb .000 1.90

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*** Sample ID: Seq: 11 14:30:04 04 Feb 13 HG

MB 460-145903/1-A

Hg -.035 ppb .000 -.035

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*** Sample ID: Seq: 12 14:32:00 04 Feb 13 HG

LCS 460-145903/2-A

Hg 1.00 ppb .000 1.00

=

Line Conc. Units SD/RSD 1 2 3 4 5

*** Sample ID: Seq: 13 14:34:24 04 Feb 13 HG
460-50248-D-2-C
Hg -.030 ppb .000 -.030
=

*** Sample ID: Seq: 14 14:36:10 04 Feb 13 HG
460-50248-A-2-B DU
Hg -.022 ppb .000 -.022
=

*** Sample ID: Seq: 15 14:37:55 04 Feb 13 HG
460-50248-D-2-D MS
Hg .993 ppb .000 .993
=

*** Sample ID: Seq: 16 14:40:00 04 Feb 13 HG
460-50228-D-16-B
Hg -.021 ppb .000 -.021
=

*** Sample ID: Seq: 17 14:41:46 04 Feb 13 HG
460-50257-F-1-B
Hg .020 ppb .000 .020
=

*** Sample ID: Seq: 18 14:43:33 04 Feb 13 HG
460-50257-F-2-B
Hg .036 ppb .000 .036
=

*** Check Standard: 2 Ck2ACCV Seq: 19 14:45:16 04 Feb 13 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 102. 5.08 5.00 ppb .000
=

*** Check Standard: 1 Ck1ICB/CCB Seq: 20 14:47:04 04 Feb 13 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg -.034 .200 ppb .000
=

*** Sample ID: Seq: 21 14:49:00 04 Feb 13 HG
460-50257-F-3-B
Hg .046 ppb .000 .046
=

*** Sample ID: Seq: 22 14:50:57 04 Feb 13 HG
460-50247-E-1-B
Hg -.021 ppb .000 -.021
=

*** Sample ID: Seq: 23 14:53:02 04 Feb 13 HG
460-50248-D-1-B
Hg -.031 ppb .000 -.031
=

*** Sample ID: Seq: 24 14:54:46 04 Feb 13 HG
460-50248-D-3-B
Hg -.013 ppb .000 -.013
=

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 25 14:56:32 04 Feb 13 HG
460-50248-D-4-B

Hg	.033	ppb	.000	.033				

=

*** Sample ID: Seq: 26 14:58:21 04 Feb 13 HG
460-50248-D-5-B

Hg	.049	ppb	.000	.049				

=

*** Sample ID: Seq: 27 15:00:07 04 Feb 13 HG
460-50248-D-6-B

Hg	-.011	ppb	.000	-.011				

=

*** Sample ID: Seq: 28 15:02:13 04 Feb 13 HG
MDLV 460-145903/16-A

Hg	.279	ppb	.000	.279				

=

*** Sample ID: Seq: 29 15:04:07 04 Feb 13 HG
sd 460-50248-D-2-C@5

Hg	-.028	ppb	.000	-.028				

=

*** Check Standard: 2 Ck2ACCV Seq: 30 15:07:03 04 Feb 13 HG

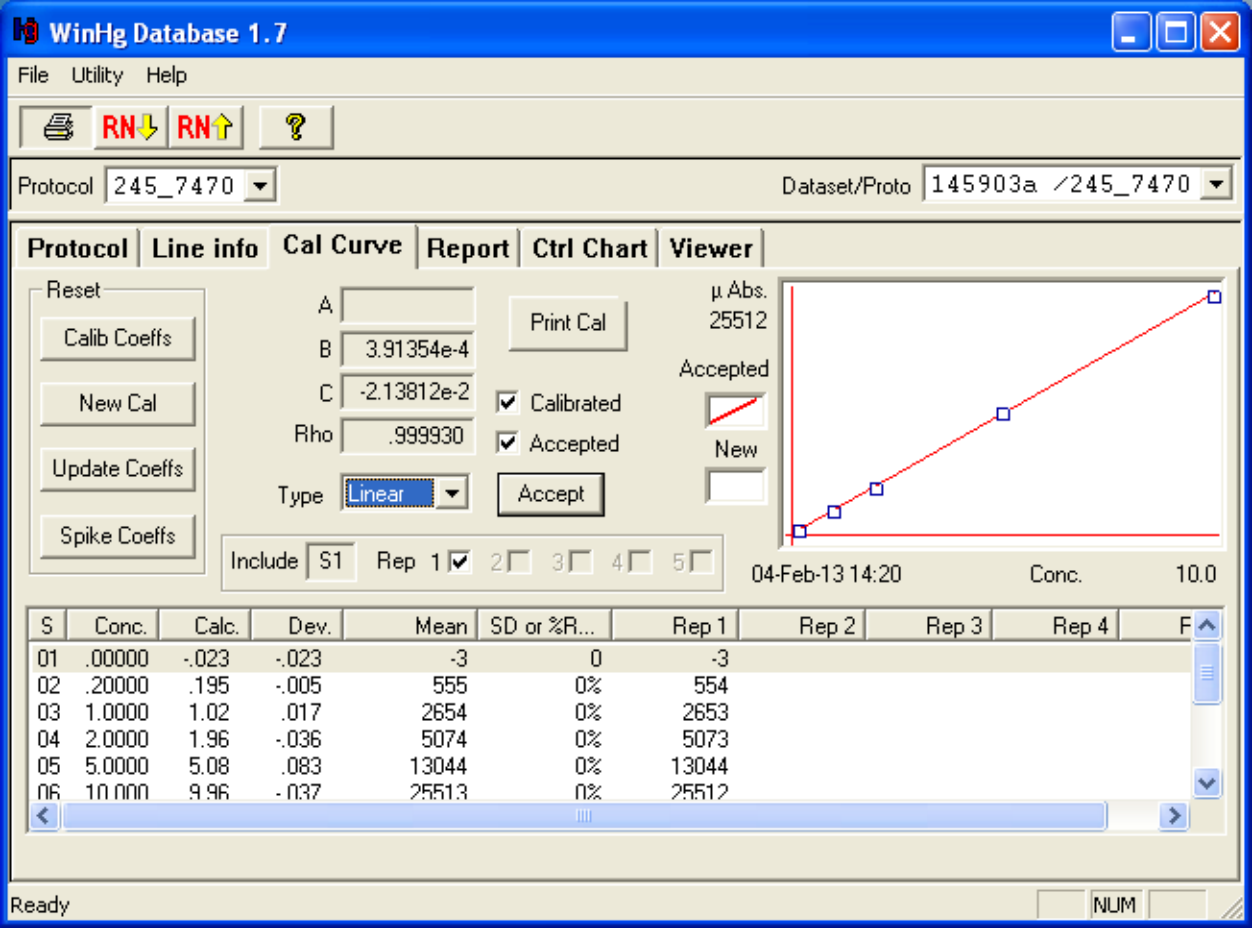
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.	5.11	5.00	ppb	.000

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 31 15:08:49 04 Feb 13 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.068	.200	ppb	.000

=


WinHg Database 1.7
File Utility Help
RN RN
Protocol 245_7470
Dataset/Proto 145903a /245_7470
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 3.91354e-4
C -2.13812e-2
Rho .999930
Type Linear
Print Cal
Calibrated
Accepted
Accept
µ Abs.
25512
Accepted
New
Include S1 Rep 1 2 3 4 5
04-Feb-13 14:20
Conc. 10.0
S Conc. Calc. Dev. Mean SD or %R... Rep 1 Rep 2 Rep 3 Rep 4
01 .00000 -.023 -.023 -3 0 -3
02 .20000 .195 -.005 555 0% 554
03 1.0000 1.02 .017 2654 0% 2653
04 2.0000 1.96 -.036 5074 0% 5073
05 5.0000 5.08 .083 13044 0% 13044
06 10.000 9.96 -.037 25513 0% 25512
Ready
NUM

Protocol: 245_7470
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 1 14:10:14 04 Feb 13 HG

Hg .000 ppb -3

=

*** Standard: 2 Rep: 1 Seq: 2 14:12:33 04 Feb 13 HG

Hg .200 ppb 554

=

*** Standard: 3 Rep: 1 Seq: 3 14:14:16 04 Feb 13 HG

Hg 1.00 ppb 2653

=

*** Standard: 4 Rep: 1 Seq: 4 14:16:17 04 Feb 13 HG

Hg 2.00 ppb 5073

=

*** Standard: 5 Rep: 1 Seq: 5 14:18:01 04 Feb 13 HG

Hg 5.00 ppb 13044

=

*** Standard: 6 Rep: 1 Seq: 6 14:20:01 04 Feb 13 HG

Hg 10.0 ppb 25512

=

*** Check Standard: 3 Ck3AICV Seq: 7 14:22:45 04 Feb 13 HG

Line	Flag	Intensities
Hg		13121

=

*** Check Standard: 1 Ck1ICB/CCB Seq: 8 14:24:30 04 Feb 13 HG

Line	Flag	Intensities
Hg		-93

=

*** Check Standard: 4 Ck4QCS Seq: 9 14:26:34 04 Feb 13 HG

Line	Flag	Intensities
Hg		12791

=

*** Sample ID: Seq: 10 14:28:20 04 Feb 13 HG

mcl

Hg 1.90 ppb 4914

=

*** Sample ID: Seq: 11 14:30:04 04 Feb 13 HG

MB 460-145903/1-A

Hg -.035 ppb -36

=

*** Sample ID: Seq: 12 14:32:00 04 Feb 13 HG

LCS 460-145903/2-A

Hg 1.00 ppb 2616

=

Line Conc. Units SD/RSD 1 2 3 4 5

*** Sample ID: Seq: 13 14:34:24 04 Feb 13 HG
460-50248-D-2-C
Hg -.030 ppb -21
=
*** Sample ID: Seq: 14 14:36:10 04 Feb 13 HG
460-50248-A-2-B DU
Hg -.022 ppb -1
=
*** Sample ID: Seq: 15 14:37:55 04 Feb 13 HG
460-50248-D-2-D MS
Hg .993 ppb 2591
=
*** Sample ID: Seq: 16 14:40:00 04 Feb 13 HG
460-50228-D-16-B
Hg -.021 ppb 2
=
*** Sample ID: Seq: 17 14:41:46 04 Feb 13 HG
460-50257-F-1-B
Hg .020 ppb 105
=
*** Sample ID: Seq: 18 14:43:33 04 Feb 13 HG
460-50257-F-2-B
Hg .036 ppb 146
=
*** Check Standard: 2 Ck2ACCV Seq: 19 14:45:16 04 Feb 13 HG
Line Flag Intensities
Hg 13031
=
*** Check Standard: 1 Ck1ICB/CCB Seq: 20 14:47:04 04 Feb 13 HG
Line Flag Intensities
Hg -31
=
*** Sample ID: Seq: 21 14:49:00 04 Feb 13 HG
460-50257-F-3-B
Hg .046 ppb 172
=
*** Sample ID: Seq: 22 14:50:57 04 Feb 13 HG
460-50247-E-1-B
Hg -.021 ppb 2
=
*** Sample ID: Seq: 23 14:53:02 04 Feb 13 HG
460-50248-D-1-B
Hg -.031 ppb -25
=
*** Sample ID: Seq: 24 14:54:46 04 Feb 13 HG
460-50248-D-3-B
Hg -.013 ppb 21
=

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 25 14:56:32 04 Feb 13 HG
460-50248-D-4-B
Hg .033 ppb 140
=
*** Sample ID: Seq: 26 14:58:21 04 Feb 13 HG
460-50248-D-5-B
Hg .049 ppb 181
=
*** Sample ID: Seq: 27 15:00:07 04 Feb 13 HG
460-50248-D-6-B
Hg -.011 ppb 27
=
*** Sample ID: Seq: 28 15:02:13 04 Feb 13 HG
MDLV 460-145903/16-A
Hg .279 ppb 767
=
*** Sample ID: Seq: 29 15:04:07 04 Feb 13 HG
sd 460-50248-D-2-C@5
Hg -.028 ppb -16
=
*** Check Standard: 2 Ck2ACCV Seq: 30 15:07:03 04 Feb 13 HG
Line Flag Intensities
Hg 13117
=
*** Check Standard: 1 Ck1ICB/CCB Seq: 31 15:08:49 04 Feb 13 HG
Line Flag Intensities
Hg -120
=

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Batch Number: 145805 Batch Start Date: 02/03/13 13:10 Batch Analyst: Esteban, Edgardo A

Batch Method: 3010A Batch End Date: 02/03/13 18:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_LCS-int 00035			
MB 460-145805/1		3010A, 6010B		100 mL	100 mL				
LCS 460-145805/2		3010A, 6010B		100 mL	100 mL	2 mL			
460-50248-D-2	MW-1	3010A, 6010B	T	100 mL	100 mL				
460-50248-A-2 DU	MW-1	3010A, 6010B	T	100 mL	100 mL				
460-50248-D-2 MS	MW-1	3010A, 6010B	T	100 mL	100 mL	2 mL			
460-50248-D-1	MW-7F	3010A, 6010B	T	100 mL	100 mL				
460-50248-D-3	MW-3	3010A, 6010B	T	100 mL	100 mL				
460-50248-D-4	MW-2	3010A, 6010B	T	100 mL	100 mL				
460-50248-D-5	MW-2D	3010A, 6010B	T	100 mL	100 mL				
460-50248-D-6	MW-7	3010A, 6010B	T	100 mL	100 mL				

Batch Notes	
Batch Comment	1:1 HCL LOT MPR 220
First End time	14:10
Filter Paper Lot Number	09-790F
Lot # of Nitric Acid	L08022
Hot Block ID number	HB3
Oven, Bath or Block Temperature 1	96 uncorr, 95 corr Degrees C
Pipette ID	#2
First Start time	13:10
ID number of the thermometer	ICP-3 [CF -1]
Digestion Tube/Cup Lot #	MF06LKK01-2323-BB

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Batch Number: 145903 Batch Start Date: 02/04/13 12:53 Batch Analyst: Patel, Purva H

Batch Method: 7470A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 01077			
MB 460-145903/1		7470A, 7470A		30 mL	30 mL				
LCS 460-145903/2		7470A, 7470A		30 mL	30 mL	0.3 mL			
460-50248-D-2	MW-1	7470A, 7470A	T	30 mL	30 mL				
460-50248-A-2 DU	MW-1	7470A, 7470A	T	30 mL	30 mL				
460-50248-D-2 MS	MW-1	7470A, 7470A	T	30 mL	30 mL	0.3 mL			
460-50248-D-1	MW-7F	7470A, 7470A	T	30 mL	30 mL				
460-50248-D-3	MW-3	7470A, 7470A	T	30 mL	30 mL				
460-50248-D-4	MW-2	7470A, 7470A	T	30 mL	30 mL				
460-50248-D-5	MW-2D	7470A, 7470A	T	30 mL	30 mL				
460-50248-D-6	MW-7	7470A, 7470A	T	30 mL	30 mL				
ICV 460-145903/23		7470A, 7470A		100 mL	100 mL	5 mL			
CCV 460-145903/24		7470A, 7470A		100 mL	100 mL	5 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-50248-1

SDG No.:

Batch Number: 145903 Batch Start Date: 02/04/13 12:53 Batch Analyst: Patel, Purva H

Batch Method: 7470A Batch End Date:

Batch Notes	
Hydroxylamine Hydrochloride Lot	hgr01616
Sulfuric Acid Lot Number	020665
Lot # of hydrochloric acid	hgr01605
Lot # of Nitric Acid	108022
Hood ID or number	2
Hot Block ID number	9
Potassium Persulfate Lot Number	hgr01569
Potassium Permanganate Lot Number	hgr01626
NaCL Lot #	hgr01616
Pipette ID	3
Stannous Chloride Lot Number	hgr01625
Temperature	96 uncorr,95corr Degrees C
ID number of the thermometer	prep-1(cf-1)
Digestion Tube/Cup Lot #	153860-263

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice) ~~IWI~~ John Bukoski	Samplers Name (Printed) John Bukoski	Site/Project Identification IWI
Company FPM Group	P. O. # 900-13-16	State (Location of site): NJ: ☐ NY: ☒ Other:
Address 909 Marconi Ave	Analysis Turnaround Time: Standard ☒	Regulatory Program:
City Ronkonkoma State NY	Rush Chrages Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	LAB USE ONLY Project No:
Phone 631-737-6200 Fax		Job No: 50248

Sample Identification	Date	Time	Matrix	No. of Cont.	TCL VOCs	TCL SVOCs	TAL Metals	Sample Numbers
MW-7F	1/31/13	1230	AQ	5	X	X	X	-1
MW-1	↓	1000	AQ	15	X	X	X	-2
MW-3		0945	AQ	5	X	X	X	-3
MW-2		1100	AQ	5	X	X	X	-4
MW-2D		1115	AQ	5	X	X	X	-5
MW-7		1200	AQ	5	X	X	X	-6
TRIP BLANK								-7

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH — Soil: / Water:
6 = Other _____, 7 = Other _____

Special Instructions MS/MSD collected at MW-1 NYS ASP CAT B Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) John S Bukoski	FPM	2/1/13 10:45	1)	TAN4C
2) RADZI MAJID	T.A.N.Y.C.	2/1/13 14:45	2)	
3)			3)	2/1/2013 14:45
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578) 1.0/2.1 IR # 4 NOC)

Job Number: 50248

TestAmerica Edison Receipt Temperature and pH Log

02/14/2013

Number of Coolers:	1	IR Gun #	4		
Temp. Cooler #1 (Deg C) (Raw/Corrected)	1.2/2.1	Temp. Cooler #4 (Deg C) (Raw/Corrected)		Temp. Cooler #7 (Deg C) (Raw/Corrected)	
Temp. Cooler #2 (Deg C) (Raw/Corrected)		Temp. Cooler #5 (Deg C) (Raw/Corrected)		Temp. Cooler #8 (Deg C) (Raw/Corrected)	
Temp. Cooler #3 (Deg C) (Raw/Corrected)		Temp. Cooler #6 (Deg C) (Raw/Corrected)		Temp. Cooler #9 (Deg C) (Raw/Corrected)	

Sample No.	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	*Metals (pH<2)	Pest (pH 5-9)	PHC (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other
1				<2									
2				<2									
3				<2									
4				<2									
5				<2									
6				<2									

If pH adjustments are required record the information below:

Sample No(s). adjusted: N/A

Preservative Name/Conc.: N/A

Volume of Preservative used (ml): N/A

Lot # of Preservative: N/A

Expiration Date: N/A

Project Manager and the Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 3, 10/8/12

Initials: [illegible]

Date: 2/2/13

Login Sample Receipt Checklist

Client: FPM Group Limited

Job Number: 460-50248-1

Login Number: 50248

List Source: TestAmerica Edison

List Number: 1

Creator: Rivera, Kenneth

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1°C, IR #4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	False	Did not receive all required containers.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

APPENDIX I

DATA USABILITY SUMMARY REPORTS

DATA USABILITY SUMMARY REPORT
FOR JULY 2011 GROUNDWATER SAMPLING
LAB REPORT #220-15975-1
I.W. INDUSTRIES SITE
35 MELVILLE PARK ROAD, MELVILLE, NEW YORK

This DUSR was prepared using the entire original laboratory report, including the sample data summary report and the extended data package. The sampling event included nine groundwater samples collected from the groundwater monitoring well network. The primary environmental samples include MW-1 through MW-4, MW-6, MW-7, MW-9, and MW-10.

Sample Collection Procedures

The samples were collected in laboratory-provided glassware utilizing dedicated or disposable sampling equipment. Samples for Quality Assurance/Quality Control (QA/QC) were also obtained to evaluate field sampling methods and laboratory procedures. All sample collection was conducted under Chain of Custody (COC) procedures and in accordance with the QA/QC procedures presented in the Site Management Plan.

Sample Analyses

The samples were transmitted via overnight courier and analyzed by TestAmerica Laboratories, Inc. at their Shelton, Connecticut facility, which is certified by the New York State Department of Health for the analyses performed. The samples were analyzed for Target Compound List (TCL) volatile organic compounds (VOCs) using Method 5030B/8260B, for TCL semivolatile organic compounds (SVOCs) using Method 3510C/8270C, and Target Analyte List (TAL) metals using Methods 3010A/6010B/7470A. The analytical and prep methods and analytes are appropriate for the intended use of the data. With the exception of the trip blank sample, the sample holding times were met and no significant problems with sample receipt or handling were reported by the laboratory. The laboratory noted that the trip blank sample was beyond its expiration date and contained headspace within the sample vials. Only one VOC was detected in two of the primary samples; these detections were at very low estimated concentrations. No other VOCs were detected in the primary samples and, therefore cross-contamination between samples is not a concern, as noted below. Based on this information, these issues do not affect the data set.

Surrogate recoveries in each of the samples were within acceptance limits with the exception of a percent recovery (%R) for terphenyl-d14 that was only slightly above the limit. Based on the surrogate recoveries, the data are anticipated to be accurate.

An equipment blank sample (FB0711) was collected to evaluate potential contamination from field sampling procedures. No VOCs were detected in the equipment blank sample, with the exception of low estimated concentrations of methylene chloride and arsenic. Methylene chloride is a common lab contaminant and the detection was B-qualified, indicating it was detected in an associated laboratory blank and is likely related to laboratory contamination. Methylene chloride was not detected in any of the primary samples. Low concentrations of arsenic (below the NYSDEC Standard) were also detected in several of the primary samples. Arsenic is not considered a contaminant of concern for the Site and none of the detections exceeded the applicable regulatory criteria. Based on these results, field-related contamination is not a significant concern for the data set.

A trip blank sample was used to verify that cross-contamination between samples did not occur in the field or laboratory. The trip blank sample showed no detections of VOCs, with the exception of

a low estimated concentration of methylene chloride. This compound was also detected in an associated laboratory blank and is, therefore, B-qualified. Methylene chloride was not detected in any of the primary environmental samples. The methylene chloride detection is likely a result of laboratory contamination and, therefore, cross-contamination does not appear to present a concern in this data set.

A duplicate sample was collected and utilized to evaluate the precision of the laboratory analysis. The results from the duplicate sample (MW-4D) and the associated parent sample (MW-4) are very similar; therefore, the laboratory results are likely to be precise.

Matrix spike/matrix spike duplicate (MS/MSD) samples were prepared to evaluate the effect of the matrix on the reliability of the analytical results. Spiking occurs in the laboratory prior to sample preparation and analysis. Based on information provided by the analytical laboratory, the MS/MSD results for VOCs were all within QC limits except for the following: the %Rs of chloroethane and chloromethane for the MS/MSD sample for batch 220-52998 were above their limits; the %R of trans-1,3-dichloropropene for the MS sample for batch 220-52998 was below the limit; the %R of di-n-octyl phthalate for the MS/MSD sample for batch 220-52963 was above the limit and the %Rs for 3,3'-dichlorobenzidine in this batch were below the limit; and the relative percent difference (RPD) for bromomethane for the MS/MSD sample for batch 220-52998 was above the limit. None of these compounds were detected in any of the primary samples. Therefore, it appears that matrix-related effects do not affect the analytical results.

Method blank (MB) samples were analyzed by the laboratory to evaluate the potential for cross-contamination associated with the sample preparation and analysis. The MB results did not show concentrations of constituents above their method detection limits and/or the reporting limits with the exception of low estimated concentrations of methylene chloride in batch samples 220-52998 and 220-53156, low estimated concentrations of barium and manganese in batch sample 220-53046, and a low estimated concentration of bis(2-ethylhexyl)phthalate in batch sample 220-53011. Methylene chloride is a typical lab contaminant and not an analyte of concern for the Site. The results for barium and manganese indicate that the results for primary samples associated with batch 220-53046 may be biased high. Based on these data, the data set does not appear to be significantly affected.

Laboratory control samples (LCSs) were used by the laboratory to verify the accuracy and precision of the analyses. The LCS %Rs were all within established guidelines with the exception of high %Rs for 1,2-dichloroethane and 1,1,1-trichloroethane in batch sample 220-53156, which suggest that associated results for these VOCs may be biased high. Neither of these VOCs was detected in any of the primary samples; therefore, the sample data set appears unaffected.

Questions and Responses

1. Is the data package complete as defined under the current requirements for the NYSDEC ASP Category B or USEPA CLP deliverables?

   The data package is complete. The external and internal chain of custody forms are present and complete. The case narrative and sample analysis summaries are present and complete. The analytical QA/QC summary forms, including surrogate recovery forms, LCS forms, IDL forms, initial and continuing calibration summary forms, standards raw data, tuning criteria report, and MB data are all present and complete. The data report forms, including sample prep logs, injection logs, and examples of the calculations used to determine the sample concentrations are all present and complete. The raw data used to identify and quantify the contract-specified analytes are present and complete.

Data completeness for the field program was also verified. The numbers and types of samples collected are in sufficient agreement with the SMP.

2. Have all holding times been met?

   All samples were received and analyzed within the EPA-recommended holding times for the analyses performed, with the exception of an exceedance of the trip blank sample holding time, which is addressed in this DUSR and does not appear to affect the data set.

3. Do all the QC data: blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data, fall within the protocol-required limits and specifications?

   No – Although the majority of QC data were found to fall within the protocol-required limits and specifications, minor exceptions were noted above. These exceptions do not appear to significantly affect the data set.

4. Have all of the data been generated using established and agreed-upon analytical protocols?

   Yes - all of the data were generated using Method 5030B/8260B (TCL VOCs), Method 3510C/8270C (TCL SVOCs), and Method 3010A/6010B/7470A (TAL metals).

5. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

   Yes – a representative number of raw data results were compared with the reported data results to confirm that the reported analytical results (identification and quantification) are substantiated by the raw data.

6. Have the correct data qualifiers been used?

   Yes – results below the quantitation limit and above the method detection limit have been J-qualified, results where the analyte was detected in an associated laboratory blank have been B-qualified, results analyzed for but not detected have been U-qualified, analytes associated with the QA/QC results that control limits have been exceeded are denoted with an asterisk, and analytes associated with the MS/MSD results that control limits are not applicable have been 4-qualified.

7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheets from the data package been attached to the DUSR?

   Yes – exceedances have been noted in the DUSR and the corresponding QC summary sheets are attached.

Conclusions

The groundwater samples were collected in accordance with NYSDEC guidance. No field or laboratory conditions occurred that would result in non-valid analytical data other than as noted above. The data appear to be adequate for their intended purpose.

Attachments

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Surrogate Recovery Report

8270C SVOC

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
220-15975-1	FB 0711	38	26	65	65	77	78
220-15975-2	MW-9	33	23	61	59	74	77
220-15975-3	MW-4	41	29	75	74	90	88
220-15975-4	MW-4D	38	27	76	75	91	89
220-15975-5	MW-7	43	31	76	79	99	101
220-15975-6	MW-3	43	30	77	73	87	121*
220-15975-7	MW-2	41	29	75	71	88	115
220-15975-8	MW-10	38	26	70	70	88	88
220-15975-9	MW-1	39	27	73	69	82	102
220-15975-10	MW-6	37	25	71	68	86	92
MB 220-52864/1-A		31	22	54	51	60	65
LCS 220-52864/2-A		43	30	76	72	87	90
220-15975-8 MS	MW-10 MS	43	30	78	78	95	98
220-15975-8 MSD	MW-10 MSD	40	28	78	79	98	102

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	13-120
PHL = Phenol-d5	10-120
NBZ = Nitrobenzene-d5	40-120
FBP = 2-Fluorobiphenyl	39-120
TBP = 2,4,6-Tribromophenol	36-120
TPH = Terphenyl-d14	10-120

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Method Blank - Batch: 220-52998

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 220-52998/4	Analysis Batch:	220-52998	Instrument ID:	MSL
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	L0400.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/18/2011 2006	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/18/2011 2006				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	10	U	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	2.31	J	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	69	65 - 136
4-Bromofluorobenzene	70	51 - 142
Dibromofluoromethane	73	68 - 132
Toluene-d8 (Surr)	72	63 - 127

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 220-52998

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	220-15975-8	Analysis Batch:	220-52998	Instrument ID:	MSL
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	L0423.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/19/2011 0537			Final Weight/Volume:	5 mL
Prep Date:	07/19/2011 0537				
Leach Date:	N/A				

MSD Lab Sample ID:	220-15975-8	Analysis Batch:	220-52998	Instrument ID:	MSL
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	L0424.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/19/2011 0601			Final Weight/Volume:	5 mL
Prep Date:	07/19/2011 0601				
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acetone	104	123	41 - 150	17	20		
Benzene	106	119	66 - 131	12	20		
Bromodichloromethane	96	107	78 - 120	11	20		
Bromoform	84	97	66 - 120	15	20		
Bromomethane	75	100	47 - 150	28	20		*
Methyl Ethyl Ketone	84	102	42 - 150	20	20		
Carbon disulfide	109	123	55 - 150	12	20		
Carbon tetrachloride	96	110	69 - 135	13	20		
Chlorobenzene	97	111	68 - 120	13	20		
Chloroethane	158	152	49 - 150	3	20	*	*
Chloroform	99	114	77 - 126	14	20		
Chloromethane	164	166	33 - 150	2	20	*	*
Dibromochloromethane	90	101	75 - 120	11	20		
1,1-Dichloroethane	103	121	75 - 130	15	20		
1,2-Dichloroethane	95	107	73 - 127	12	20		
1,1-Dichloroethene	112	128	65 - 142	14	20		
1,2-Dichloropropane	108	119	69 - 129	10	20		
cis-1,3-Dichloropropene	72	82	63 - 120	14	20		
trans-1,3-Dichloropropene	70	79	73 - 120	13	20	*	
Ethylbenzene	98	114	62 - 120	15	20		
2-Hexanone	91	99	46 - 150	9	20		
Methylene Chloride	90	101	56 - 138	12	20		
methyl isobutyl ketone	91	103	70 - 122	13	20		
Styrene	95	108	47 - 120	13	20		
1,1,2,2-Tetrachloroethane	92	105	75 - 124	14	20		
Tetrachloroethene	96	109	50 - 120	13	20		
Toluene	99	114	66 - 120	15	20		
1,1,1-Trichloroethane	101	115	73 - 135	13	20		
1,1,2-Trichloroethane	100	114	76 - 125	12	20		
Trichloroethene	108	122	60 - 122	13	20		
Vinyl chloride	133	136	61 - 150	2	20		
Xylenes, Total	99	112	58 - 120	13	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Method Blank - Batch: 220-53156

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 220-53156/3	Analysis Batch:	220-53156	Instrument ID:	MSV
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V2444.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/21/2011 1148	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/21/2011 1148				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	10	U	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	2.53	J	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114	65 - 136
4-Bromofluorobenzene	76	51 - 142
Dibromofluoromethane	105	68 - 132
Toluene-d8 (Surr)	83	63 - 127

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Lab Control Sample - Batch: 220-53156

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 220-53156/2	Analysis Batch:	220-53156	Instrument ID:	MSV
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V2442.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/21/2011 1054	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/21/2011 1054				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec	Limit	Qual
Acetone	10.0	8.52	85	41 - 150	J
Benzene	10.0	9.91	99	66 - 131	
Bromodichloromethane	10.0	11.1	111	78 - 120	
Bromoform	10.0	10.1	101	66 - 120	
Bromomethane	10.0	9.39	94	47 - 150	
Methyl Ethyl Ketone	10.0	7.40	74	42 - 150	J
Carbon disulfide	10.0	9.26	93	55 - 150	
Carbon tetrachloride	10.0	13.3	133	69 - 135	
Chlorobenzene	10.0	9.66	97	68 - 120	
Chloroethane	10.0	12.0	120	49 - 150	
Chloroform	10.0	10.8	108	77 - 126	
Chloromethane	10.0	8.88	89	33 - 150	
Dibromochloromethane	10.0	9.27	93	75 - 120	
1,1-Dichloroethane	10.0	10.9	109	75 - 130	
1,2-Dichloroethane	10.0	13.0	130	73 - 127	*
1,1-Dichloroethene	10.0	11.2	112	65 - 142	
1,2-Dichloropropane	10.0	9.15	91	69 - 129	
cis-1,3-Dichloropropene	10.0	9.46	95	63 - 120	
trans-1,3-Dichloropropene	10.0	10.4	104	73 - 120	
Ethylbenzene	10.0	9.57	96	62 - 120	
2-Hexanone	10.0	9.45	94	46 - 150	J
Methylene Chloride	10.0	9.76	98	56 - 138	
methyl isobutyl ketone	10.0	7.91	79	70 - 122	J
Styrene	10.0	9.24	92	47 - 120	
1,1,2,2-Tetrachloroethane	10.0	8.19	82	75 - 124	
Tetrachloroethene	10.0	10.7	107	50 - 120	
Toluene	10.0	9.25	92	66 - 120	
1,1,1-Trichloroethane	10.0	14.4	144	73 - 135	*
1,1,2-Trichloroethane	10.0	10.2	102	76 - 125	
Trichloroethene	10.0	10.4	104	60 - 122	
Vinyl chloride	10.0	10.3	103	61 - 150	
Xylenes, Total	30.0	28.5	95	58 - 120	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	65 - 136
4-Bromofluorobenzene	77	51 - 142
Dibromofluoromethane	102	68 - 132
Toluene-d8 (Surr)	82	63 - 127

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 220-52864

Method: 8270C
Preparation: 3510C

MS Lab Sample ID:	220-15975-8	Analysis Batch:	220-52963	Instrument ID:	MSZ
Client Matrix:	Water	Prep Batch:	220-52864	Lab File ID:	Z21701.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	930 mL
Analysis Date:	07/18/2011 1543			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	220-15975-8	Analysis Batch:	220-52963	Instrument ID:	MSZ
Client Matrix:	Water	Prep Batch:	220-52864	Lab File ID:	Z21702.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	950 mL
Analysis Date:	07/18/2011 1611			Final Weight/Volume:	1.0 mL
Prep Date:	07/14/2011 1355			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	85	85	52 - 120	2	31		
Acenaphthylene	84	84	52 - 120	2	30		
Anthracene	92	92	60 - 120	2	30		
Benzo[a]anthracene	89	89	60 - 120	2	30		
Benzo[a]pyrene	94	94	51 - 120	2	30		
Benzo[b]fluoranthene	108	107	59 - 120	2	30		
Benzo[g,h,i]perylene	96	100	48 - 120	2	30		
Benzo[k]fluoranthene	112	111	58 - 120	3	30		
Bis(2-chloroethoxy)methane	81	80	48 - 120	3	30		
Bis(2-chloroethyl)ether	73	73	46 - 120	2	30		
Bis(2-ethylhexyl) phthalate	118	120	57 - 120	0	30		
Butyl benzyl phthalate	109	111	53 - 122	0	30		
Carbazole	94	94	62 - 120	2	30		
Chrysene	87	88	59 - 120	1	30		
Di-n-butyl phthalate	98	98	61 - 120	2	30		
Di-n-octyl phthalate	173	173	57 - 120	2	30	*	*
4-Bromophenyl phenyl ether	89	88	60 - 120	3	30		
4-Chloroaniline	78	77	33 - 120	3	30		
2-Chloronaphthalene	80	80	46 - 120	3	30		
4-Chlorophenyl phenyl ether	87	88	58 - 120	2	30		
Dibenz(a,h)anthracene	96	105	47 - 120	7	30		
Dibenzofuran	87	87	56 - 120	2	30		
Diethyl phthalate	93	94	57 - 120	1	30		
Dimethyl phthalate	89	89	49 - 120	2	30		
1,2-Dichlorobenzene	63	63	35 - 120	2	30		
1,3-Dichlorobenzene	62	62	33 - 120	2	30		
1,4-Dichlorobenzene	61	62	34 - 120	2	28		
3,3'-Dichlorobenzidine	14	15	39 - 120	5	30	*	*
2,4-Dinitrotoluene	92	93	46 - 124	1	38		
2,6-Dinitrotoluene	92	93	63 - 120	1	30		
Fluoranthene	95	94	56 - 120	2	30		
Fluorene	90	90	61 - 120	1	30		
Hexachlorobenzene	86	86	59 - 120	2	30		

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Method Blank - Batch: 220-53046

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 220-53046/1-A	Analysis Batch:	220-53096	Instrument ID:	ICAP3
Client Matrix:	Water	Prep Batch:	220-53046	Lab File ID:	072011d.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/20/2011 1322	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	07/19/2011 1445				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Silver	5.0	U	0.25	5.0
Aluminum	250	U	10.0	250
Arsenic	15.0	U	4.0	15.0
Barium	0.262	J	0.25	5.0
Beryllium	5.0	U	0.25	5.0
Calcium	500	U	50.0	500
Cadmium	5.0	U	1.0	5.0
Cobalt	5.0	U	0.50	5.0
Chromium	5.0	U	0.50	5.0
Copper	10.0	U	1.5	10.0
Iron	125	U	15.0	125
Potassium	500	U	50.0	500
Magnesium	500	U	5.0	500
Manganese	0.828	J	0.25	8.0
Sodium	500	U	50.0	500
Nickel	5.0	U	1.0	5.0
Lead	15.0	U	2.5	15.0
Antimony	15.0	U	5.0	15.0
Selenium	38.0	U	12.5	38.0
Thallium	15.0	U	3.5	15.0
Vanadium	5.0	U	1.0	5.0
Zinc	25.0	U	5.0	25.0

Client: FPM Group Limited

Job Number: 220-15975-1
Sdg Number:

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 220-53046

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	220-15975-8	Analysis Batch:	220-53096	Instrument ID:	ICAP3
Client Matrix:	Water	Prep Batch:	220-53046	Lab File ID:	072011d.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/20/2011 1344			Final Weight/Volume:	50 mL
Prep Date:	07/19/2011 1445				
Leach Date:	N/A				

MSD Lab Sample ID:	220-15975-8	Analysis Batch:	220-53096	Instrument ID:	ICAP3
Client Matrix:	Water	Prep Batch:	220-53046	Lab File ID:	072011d.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/20/2011 1347			Final Weight/Volume:	50 mL
Prep Date:	07/19/2011 1445				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	100	101	75 - 125	1	20		
Aluminum	104	105	75 - 125	1	20		
Arsenic	102	103	75 - 125	1	20		
Barium	100	108	75 - 125	2	20		
Beryllium	108	109	75 - 125	1	20		
Calcium	112	125	75 - 125	2	20	4	4
Cadmium	103	104	75 - 125	1	20		
Cobalt	104	105	75 - 125	1	20		
Chromium	103	105	75 - 125	2	20		
Copper	108	111	75 - 125	2	20		
Iron	105	105	75 - 125	0	20		
Potassium	102	105	75 - 125	2	20		
Magnesium	106	111	75 - 125	2	20		
Manganese	100	106	75 - 125	2	20		
Sodium	106	142	75 - 125	3	20	4	4
Nickel	105	106	75 - 125	1	20		
Lead	100	104	75 - 125	3	20		
Antimony	103	104	75 - 125	1	20		
Selenium	84	94	75 - 125	11	20		
Thallium	105	103	75 - 125	2	20		
Vanadium	101	102	75 - 125	1	20		
Zinc	108	107	75 - 125	0	20		

DATA USABILITY SUMMARY REPORT
FOR JANUARY 2013 GROUNDWATER SAMPLING
LAB REPORT #460-50248-1
I.W. INDUSTRIES SITE
35 MELVILLE PARK ROAD, MELVILLE, NEW YORK

This DUSR was prepared using the entire original laboratory report, including the sample data summary report and the extended data package. The sampling event included four groundwater samples collected from the existing groundwater monitoring well network. The primary environmental samples include MW-1, MW-2, MW-3, and MW-7.

Sample Collection Procedures

The samples were collected in laboratory-provided glassware utilizing dedicated or disposable sampling equipment. Samples for Quality Assurance/Quality Control (QA/QC) were also obtained to evaluate field sampling methods and laboratory procedures. All sample collection was conducted under Chain of Custody (COC) procedures and in accordance with the QA/QC procedures presented in the Site Management Plan.

Sample Analyses

The samples were transmitted via overnight courier and analyzed by TestAmerica Laboratories, Inc. at their Shelton, Connecticut facility, which is certified by the New York State Department of Health for the analyses performed. The samples were analyzed for Target Compound List (TCL) volatile organic compounds (VOCs) using Method 5030B/8260B, for TCL semivolatile organic compounds (SVOCs) using Method 3510C/8270C, and Target Analyte List (TAL) metals using Method 3010A/6010B/7470A. The analytical and prep methods and analytes are appropriate for the intended use of the data. With the exception of the trip blank sample, the sample holding times were met and no significant problems with sample receipt or handling were reported by the laboratory. The laboratory noted that the trip blank sample shipped from the laboratory was slightly beyond its standard hold time. The sample vials were examined both in the field during sampling and at the laboratory upon receipt and no headspace was observed in the vials. Additionally, the preserved sample was analyzed within the 7-day holding time for unpreserved vials; thus, loss of VOCs in the trip blank following collection should not be a concern. Based on this information this issue does not present a concern for the data set.

Surrogate recoveries in each of the samples were within acceptance limits, indicating that the data are anticipated to be accurate.

An equipment blank sample (MW-7F) was collected to evaluate potential contamination from field sampling procedures. Several VOCs were detected in the equipment blank sample, including low concentrations of acetone and 2-butanone, and very low estimated concentrations of methylene chloride, m&p xylene, o-xylene, ethylbenzene, 2-hexanone, and toluene. Low estimated concentrations of xylenes, ethylbenzene, and toluene were also detected at well MW-1 and a low estimated concentration ethylbenzene was detected in well MW-2. None of the other primary samples exhibited detections of these VOCs and these VOCs were not previously detected in well MW-1 or MW-2. It is possible that field conditions may have resulted in low-level contamination. However, as only low estimated concentrations of these VOCs were detected (well below the NYSDEC Standards), potential field contamination does not significantly affect the data set. No SVOCs were detected in the equipment blank sample. A low estimated concentration of one metal (arsenic) was detected in the equipment blank sample. Low concentrations of arsenic were also

detected in each of the primary samples. All of the arsenic concentrations were below the NYSDEC Standard. Additionally, arsenic is not considered a contaminant of concern for the Site. Based on these data, potential field-related contamination does not present a significant concern for this data set.

A trip blank sample was used to verify that cross-contamination of samples did not occur in the field or laboratory. The trip blank sample showed no detections of VOCs. Therefore, cross-contamination between samples does not appear to present a concern in this data set.

A duplicate sample was collected and utilized to evaluate the precision of the laboratory analysis. The results from the duplicate sample (MW-2D) and the associated parent sample (MW-2) are nearly identical; therefore, the laboratory results are likely to be precise.

Matrix spike/matrix spike duplicate (MS/MSD) samples was prepared to evaluate the effect of the matrix on the reliability of the analytical results. Spiking occurs in the laboratory prior to sample preparation and analysis. Based on information provided by the analytical laboratory, the MS/MSD results were within QC limits except for the following: the percent recoveries (%Rs) of benzaldehyde and 2,2-oxybis(1-chloropropane) for the MSD sample for batch 460-146614 were above their limits and the %Rs for 3,3'-dichlorobenzidine were below the limits; the relative percent difference (RPD) for 4-nitrophenol was above its limit for batch 460-146614; and the MSD %Rs of cis-1,3-dichloropropene in batch 460-146197 and 3,3-dichlorobenzidene in batch 460-146006 were below the limit. None of these compounds were detected in any of the primary samples. Therefore, it appears that matrix-related effects do not affect the analytical results for the constituents of concern.

Method blank (MB) samples were analyzed by the laboratory to evaluate the potential for cross-contamination associated with the sample preparation and analysis. The MB results did not show concentrations of VOCs above their method detection limits and/or the reporting limits; therefore, the sample data set appears unaffected.

Laboratory control samples (LCSs) were used by the laboratory to verify the accuracy and precision of the analyses. The LCS %Rs were all within established guidelines except for a high %R of benzaldehyde for the LCS for batch 460-146614 and low %Rs of 2-nitroaniline and 1,2,4,5-tetrachlorobenzene for the LCS for batch 460-146806. These VOCs were not detected in any associated primary samples; therefore, it does not appear that the sample results are affected.

Questions and Responses

1. Is the data package complete as defined under the current requirements for the NYSDEC ASP Category B or USEPA CLP deliverables?

   The data package is complete. The external and internal chain of custody forms are present and complete. The case narrative and sample analysis summaries are present and complete. The analytical QA/QC summary forms, including surrogate recovery forms, LCS forms, IDL forms, initial and continuing calibration summary forms, standards raw data, tuning criteria report, and MB data are all present and complete. The data report forms, including sample prep logs, injection logs, and examples of the calculations used to determine the sample concentrations are all present and complete. The raw data used to identify and quantify the contract-specified analytes are present and complete.

   Data completeness for the field program was also verified. The numbers and types of

samples collected are in sufficient agreement with the SMP.

2. Have all holding times been met?

   All samples were received and analyzed within the EPA-recommended holding times for the analyses performed with the exception of an exceedance of the holding time for the trip blank sample. This issue does not appear to affect the data set.

3. Do all the QC data: blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data, fall within the protocol-required limits and specifications?

   No – Although the majority of QC data were found to fall within the protocol-required limits and specifications, minor exceptions were noted above; however, these exceptions do not appear to significantly affect the data set.

4. Have all of the data been generated using established and agreed-upon analytical protocols?

   Yes - all of the data were generated using Method 5030B/8260B (TCL VOCs), Method 3510C/8270C (TCL SVOCs), and Method 3010A/6010B/7470A (TAL metals).

5. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

   Yes – a representative number of raw data results were compared with the reported data results to confirm that the reported analytical results (identification and quantification) are substantiated by the raw data.

6. Have the correct data qualifiers been used?

   Yes – results below the quantitation limit and above the method detection limit have been J-qualified, results analyzed for but not detected have been U-qualified, results for samples in which the holding time has not been met have been H-qualified, analytes associated with the QA/QC results that control limits have been exceeded are denoted with an asterisk, and analytes associated with the MS/MSD results that control limits are not applicable have been 4-qualified.

7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheets from the data package been attached to the DUSR?

   Yes – exceedances have been noted in the DUSR and the corresponding QC summary sheets are attached.

Conclusions

The groundwater samples were collected in accordance with NYSDEC guidance. No field or laboratory conditions occurred that would result in non-valid analytical data other than as noted above. The data appear to be adequate for their intended purpose.

Attachments

Client: FPM Group Limited

Job Number: 460-50248-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-146197

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	460-50248-2	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	k09242.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1456			Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1456				
Leach Date:	N/A				

MSD Lab Sample ID:	460-50248-2	Analysis Batch:	460-146197	Instrument ID:	VOAMS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	k09243.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	02/06/2013 1519			Final Weight/Volume:	5 mL
Prep Date:	02/06/2013 1519				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
trans-1,3-Dichloropropene	81	79	78 - 118	2	30		
4-Methyl-2-pentanone	81	79	53 - 120	2	30		
cis-1,3-Dichloropropene	80	79	80 - 120	1	30		*
1,2-Dichlorobenzene	93	91	82 - 122	1	30		
1,3-Dichlorobenzene	96	95	81 - 126	1	30		
1,4-Dichlorobenzene	89	89	83 - 123	0	30		
1,2,4-Trichlorobenzene	97	98	66 - 120	0	30		
1,2,3-Trichlorobenzene	96	100	76 - 123	4	30		
1,2-Dichloropropane	82	82	80 - 120	1	30		
Methylcyclohexane	103	103	61 - 129	0	30		
Tetrachloroethene	105	105	68 - 139	0	30		
1,2-Dibromo-3-Chloropropane	81	82	70 - 116	1	30		
1,1,2,2-Tetrachloroethane	90	88	74 - 126	2	30		
1,1,2-Trichloroethane	84	81	79 - 119	3	30		
Dibromochloromethane	88	88	80 - 120	0	30		
1,2-Dibromoethane	91	92	78 - 118	0	30		
Dichlorodifluoromethane	96	97	46 - 145	1	30		
Bromochloromethane	96	96	80 - 121	1	30		
Bromodichloromethane	90	88	79 - 119	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86	85	70 - 130
Toluene-d8 (Surr)	86	87	70 - 130
Bromofluorobenzene	95	96	70 - 130

Client: FPM Group Limited

Job Number: 460-50248-1

Lab Control Sample - Batch: 460-146006

Method: 8270C
Preparation: 3510C

Lab Sample ID:	LCS 460-146006/2-A	Analysis Batch:	460-146614	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-146006	Lab File ID:	z18129.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 0850	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	%Rec	Limit	Qual
Phenol	100	33.6	34	12 - 44	
2-Chlorophenol	100	84.2	84	53 - 101	
2-Methylphenol	100	68.4	68	40 - 90	
4-Methylphenol	100	60.8	61	30 - 75	
Benzaldehyde	100	171	171	52 - 150	* LCS
Acetophenone	100	90.0	90	68 - 109	
Bis(2-chloroethyl)ether	100	95.5	96	62 - 108	
2,2'-oxybis[1-chloropropane]	100	106	106	68 - 107	
N-Nitrosodi-n-propylamine	100	99.8	100	70 - 109	
Nitrobenzene	100	89.6	90	66 - 106	
Hexachloroethane	100	84.3	84	50 - 99	
Isophorone	100	89.3	89	68 - 108	
2-Nitrophenol	100	94.4	94	65 - 107	
2,4-Dimethylphenol	100	79.4	79	55 - 100	
2,4-Dichlorophenol	100	87.0	87	64 - 107	
Bis(2-chloroethoxy)methane	100	97.3	97	69 - 108	
Naphthalene	100	86.6	87	63 - 101	
4-Chloroaniline	100	78.8	79	58 - 105	
Hexachlorobutadiene	100	78.4	78	52 - 99	
Caprolactam	100	20.6	21	10 - 30	
4-Chloro-3-methylphenol	100	76.4	76	57 - 106	
2-Methylnaphthalene	100	85.0	85	66 - 102	
Hexachlorobenzene	100	95.4	95	65 - 107	
Hexachlorocyclopentadiene	100	55.7	56	40 - 105	
2,4,6-Trichlorophenol	100	90.2	90	67 - 111	
2,4,5-Trichlorophenol	100	85.0	85	67 - 114	
Diphenyl	100	89.4	89	66 - 112	
2-Chloronaphthalene	100	90.8	91	65 - 107	
2-Nitroaniline	100	85.4	85	73 - 116	
2,6-Dinitrotoluene	100	89.2	89	68 - 114	
Dimethyl phthalate	100	93.8	94	69 - 111	
Acenaphthylene	100	88.4	88	67 - 107	
3-Nitroaniline	100	79.1	79	59 - 108	
Acenaphthene	100	90.4	90	66 - 108	
4-Nitrophenol	100	17.0	17	10 - 44	J
2,4-Dinitrophenol	100	48.7	49	19 - 113	
Dibenzofuran	100	87.1	87	68 - 105	
Diethyl phthalate	100	90.6	91	66 - 109	
Fluorene	100	85.2	85	68 - 105	
Fluoranthene	100	84.0	84	68 - 108	
Di-n-butyl phthalate	100	96.9	97	68 - 111	
2,4-Dinitrotoluene	100	81.9	82	65 - 113	
4-Chlorophenyl phenyl ether	100	86.8	87	68 - 105	
4-Nitroaniline	100	69.3	69	49 - 119	
4,6-Dinitro-2-methylphenol	100	81.9	82	58 - 115	
4-Bromophenyl phenyl ether	100	98.2	98	66 - 110	

Client: FPM Group Limited

Job Number: 460-50248-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-146006

Method: 8270C
Preparation: 3510C

MS Lab Sample ID:	460-50248-2	Analysis Batch:	460-146614	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-146006	Lab File ID:	z18131.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 0936			Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-50248-2	Analysis Batch:	460-146614	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-146006	Lab File ID:	z18132.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 0959			Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenol	32	38	12 - 44	19	30		
2-Chlorophenol	85	89	53 - 101	4	30		
2-Methylphenol	68	75	40 - 90	10	30		
4-Methylphenol	59	68	30 - 75	13	30		
Benzaldehyde	169	159	52 - 150	6	30	*	*
Acetophenone	93	93	68 - 109	0	30		
Bis(2-chloroethyl)ether	97	98	62 - 108	1	30		
2,2'-oxybis[1-chloropropane]	110	110	68 - 107	0	30	*	*
N-Nitrosodi-n-propylamine	103	104	70 - 109	1	30		
Nitrobenzene	93	90	66 - 106	3	30		
Hexachloroethane	90	90	50 - 99	0	30		
Isophorone	93	92	68 - 108	1	30		
2-Nitrophenol	98	99	65 - 107	0	30		
2,4-Dimethylphenol	89	89	55 - 100	1	30		
2,4-Dichlorophenol	90	91	64 - 107	1	30		
Bis(2-chloroethoxy)methane	103	100	69 - 108	2	30		
Naphthalene	91	89	63 - 101	2	30		
4-Chloroaniline	80	75	58 - 105	7	30		
Hexachlorobutadiene	84	83	52 - 99	2	30		
Caprolactam	19	23	10 - 30	21	30		
4-Chloro-3-methylphenol	80	84	57 - 106	5	30		
2-Methylnaphthalene	91	90	66 - 102	1	30		
Hexachlorobenzene	100	96	65 - 107	4	30		
Hexachlorocyclopentadiene	60	63	40 - 105	4	30		
2,4,6-Trichlorophenol	94	92	67 - 111	2	30		
2,4,5-Trichlorophenol	90	89	67 - 114	1	30		
Diphenyl	93	91	66 - 112	3	30		
2-Chloronaphthalene	95	92	65 - 107	2	30		
2-Nitroaniline	86	87	73 - 116	0	30		
2,6-Dinitrotoluene	95	95	68 - 114	1	30		
Dimethyl phthalate	98	99	69 - 111	1	30		
Acenaphthylene	92	91	67 - 107	1	30		
3-Nitroaniline	76	79	59 - 108	3	30		

MSD

Client: FPM Group Limited

Job Number: 460-50248-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-146006

Method: 8270C
Preparation: 3510C

MS Lab Sample ID:	460-50248-2	Analysis Batch:	460-146614	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-146006	Lab File ID:	z18131.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 0936			Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-50248-2	Analysis Batch:	460-146614	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-146006	Lab File ID:	z18132.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	02/08/2013 0959			Final Weight/Volume:	2 mL
Prep Date:	02/05/2013 0801			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec MS	% Rec MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual	
Acenaphthene	93	94	66 - 108	0	30			
4-Nitrophenol	18	25	10 - 44	35	30	J	J*	MS/MSD RPD ↑
2,4-Dinitrophenol	69	76	19 - 113	10	30			
Dibenzofuran	91	90	68 - 105	1	30			
Diethyl phthalate	95	96	66 - 109	0	30			
Fluorene	88	88	68 - 105	1	30			
Fluoranthene	87	85	68 - 108	3	30			
Di-n-butyl phthalate	99	97	68 - 111	2	30			
2,4-Dinitrotoluene	87	89	65 - 113	3	30			
4-Chlorophenyl phenyl ether	89	90	68 - 105	1	30			
4-Nitroaniline	70	74	49 - 119	6	30			
4,6-Dinitro-2-methylphenol	101	101	58 - 115	1	30			
4-Bromophenyl phenyl ether	103	98	66 - 110	4	30			
Atrazine	62	61	56 - 116	1	30			
Anthracene	92	89	68 - 108	3	30			
Carbazole	84	82	67 - 110	2	30			
Phenanthrene	96	93	68 - 110	3	30			
Pentachlorophenol	89	91	55 - 116	2	30			
Pyrene	91	88	61 - 110	3	30			
Chrysene	98	95	68 - 112	3	30			
Benzo[k]fluoranthene	93	86	66 - 114	8	30			
Benzo[g,h,i]perylene	122	110	65 - 134	10	30			
Benzo[b]fluoranthene	83	87	65 - 111	4	30			
Benzo[a]pyrene	95	91	58 - 101	4	30			
Benzo[a]anthracene	93	90	65 - 106	3	30			
N-Nitrosodiphenylamine	109	104	71 - 121	4	30			
Butyl benzyl phthalate	98	96	66 - 115	2	30			
Bis(2-ethylhexyl) phthalate	101	99	66 - 114	2	30			
Di-n-octyl phthalate	81	83	51 - 115	2	30			
Indeno[1,2,3-cd]pyrene	107	97	68 - 121	9	30			
Dibenz(a,h)anthracene	113	105	67 - 124	8	30			MSD %R ↓
3,3'-Dichlorobenzidine	70	60	69 - 129	16	30		*	
1,2,4,5-Tetrachlorobenzene	85	81	70 - 130	5	30			

Client: FPM Group Limited

Job Number: 460-50248-1

Lab Control Sample - Batch: 460-146378

Method: 8270C
Preparation: 3510C

Lab Sample ID:	LCS 460-146378/2-A	Analysis Batch:	460-146806	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-146378	Lab File ID:	z18186.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	02/10/2013 0747	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	02/07/2013 1133			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	%Rec	Limit	Qual
Phenol	100	22.8	23	12 - 44	
2-Chlorophenol	100	68.7	69	53 - 101	
2-Methylphenol	100	54.6	55	40 - 90	
4-Methylphenol	100	46.8	47	30 - 75	
Benzaldehyde	100	126	126	52 - 150	
Acetophenone	100	72.0	72	68 - 109	
Bis(2-chloroethyl)ether	100	78.3	78	62 - 108	
2,2'-oxybis[1-chloropropane]	100	84.1	84	68 - 107	
N-Nitrosodi-n-propylamine	100	79.2	79	70 - 109	
Nitrobenzene	100	71.2	71	66 - 106	
Hexachloroethane	100	70.9	71	50 - 99	
Isophorone	100	73.5	73	68 - 108	
2-Nitrophenol	100	75.3	75	65 - 107	
2,4-Dimethylphenol	100	68.3	68	55 - 100	
2,4-Dichlorophenol	100	75.0	75	64 - 107	
Bis(2-chloroethoxy)methane	100	76.2	76	69 - 108	
Naphthalene	100	70.4	70	63 - 101	
4-Chloroaniline	100	67.0	67	58 - 105	
Hexachlorobutadiene	100	65.9	66	52 - 99	
Caprolactam	100	11.8	12	10 - 30	
4-Chloro-3-methylphenol	100	69.8	70	57 - 106	
2-Methylnaphthalene	100	70.4	70	66 - 102	
Hexachlorobenzene	100	71.1	71	65 - 107	
Hexachlorocyclopentadiene	100	54.0	54	40 - 105	
2,4,6-Trichlorophenol	100	73.8	74	67 - 111	
2,4,5-Trichlorophenol	100	76.4	76	67 - 114	
Diphenyl	100	68.7	69	66 - 112	
2-Chloronaphthalene	100	71.2	71	65 - 107	
2-Nitroaniline	100	70.2	70	73 - 116	*
2,6-Dinitrotoluene	100	74.6	75	68 - 114	
Dimethyl phthalate	100	76.3	76	69 - 111	
Acenaphthylene	100	72.0	72	67 - 107	
3-Nitroaniline	100	72.5	73	59 - 108	
Acenaphthene	100	72.0	72	66 - 108	
4-Nitrophenol	100	16.9	17	10 - 44	J
2,4-Dinitrophenol	100	47.3	47	19 - 113	
Dibenzofuran	100	70.1	70	68 - 105	
Diethyl phthalate	100	77.0	77	66 - 109	
Fluorene	100	71.5	71	68 - 105	
Fluoranthene	100	72.0	72	68 - 108	
Di-n-butyl phthalate	100	77.1	77	68 - 111	
2,4-Dinitrotoluene	100	72.1	72	65 - 113	
4-Chlorophenyl phenyl ether	100	72.3	72	68 - 105	
4-Nitroaniline	100	70.5	71	49 - 119	
4,6-Dinitro-2-methylphenol	100	69.0	69	58 - 115	
4-Bromophenyl phenyl ether	100	73.5	74	66 - 110	

LCS

Client: FPM Group Limited

Job Number: 460-50248-1

Lab Control Sample - Batch: 460-146378

Method: 8270C
Preparation: 3510C

Lab Sample ID:	LCS 460-146378/2-A	Analysis Batch:	460-146806	Instrument ID:	BNAMS11
Client Matrix:	Water	Prep Batch:	460-146378	Lab File ID:	z18186.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	02/10/2013 0747	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	02/07/2013 1133			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec	Limit	Qual
Atrazine	100	64.3	64	56 - 116	
Anthracene	100	71.9	72	68 - 108	
Carbazole	100	73.5	74	67 - 110	
Phenanthrene	100	72.4	72	68 - 110	
Pentachlorophenol	100	69.6	70	55 - 116	
Pyrene	100	71.1	71	61 - 110	
Chrysene	100	77.6	78	68 - 112	
Benzo[k]fluoranthene	100	66.7	67	66 - 114	
Benzo[g,h,i]perylene	100	85.1	85	65 - 134	
Benzo[b]fluoranthene	100	69.4	69	65 - 111	
Benzo[a]pyrene	100	73.5	74	58 - 101	
Benzo[a]anthracene	100	71.9	72	65 - 106	
N-Nitrosodiphenylamine	100	78.3	78	71 - 121	
Butyl benzyl phthalate	100	76.1	76	66 - 115	
Bis(2-ethylhexyl) phthalate	100	74.6	75	66 - 114	
Di-n-octyl phthalate	100	60.8	61	51 - 115	
Indeno[1,2,3-cd]pyrene	100	76.8	77	68 - 121	
Dibenz(a,h)anthracene	100	80.4	80	67 - 124	
3,3'-Dichlorobenzidine	100	89.1	89	69 - 129	
1,2,4,5-Tetrachlorobenzene	100	62.2	62	70 - 130	* LCS %R ↓
2,3,4,6-Tetrachlorophenol	100	70.2	70	70 - 130	

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	71	56 - 112
Phenol-d5	19	10 - 48
Terphenyl-d14	69	50 - 122
2,4,6-Tribromophenol	70	46 - 122
2-Fluorophenol	33	10 - 65
2-Fluorobiphenyl	67	53 - 108

Client: FPM Group Limited

Job Number: 460-50248-1

Matrix Spike - Batch: 460-145805

Method: 6010B
Preparation: 3010A

Lab Sample ID:	460-50248-2	Analysis Batch:	460-145902	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-145805	Lab File ID:	02042013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	02/04/2013 1104	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	02/03/2013 1310				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	U	2000	1996	100	75 - 125	
Antimony	10.0	U	500	430.7	86	75 - 125	
Arsenic	4.8	J	2000	1818	91	75 - 125	
Barium	30.6	J	2000	1953	96	75 - 125	
Beryllium	2.0	U	50.0	48.00	96	75 - 125	
Cadmium	5.0	U	50.0	46.40	93	75 - 125	
Calcium	9770		20000	30470	104	75 - 125	
Chromium	10.0	U	200	197.5	99	75 - 125	
Cobalt	50.0	U	500	473.0	95	75 - 125	
Copper	25.0	U	250	237.4	95	75 - 125	
Iron	27100		1000	28610	148	75 - 125	4
Lead	5.0	U	500	479.9	96	75 - 125	
Magnesium	2420	J	20000	21600	96	75 - 125	
Manganese	390		500	874.8	97	75 - 125	
Nickel	40.0	U	500	479.6	96	75 - 125	
Potassium	2130	J	20000	21250	96	75 - 125	
Selenium	10.0	U	2000	1767	88	75 - 125	
Silver	10.0	U	50.0	49.86	100	75 - 125	
Sodium	21500		20000	41340	99	75 - 125	
Thallium	10.0	U	2000	1977	99	75 - 125	
Vanadium	50.0	U	500	479.1	96	75 - 125	
Zinc	30.0	U	500	472.9	95	75 - 125	

Post Digestion Spike - Batch: 460-145805

Method: 6010B
Preparation: 3010A

Lab Sample ID:	460-50248-2	Analysis Batch:	460-145902	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-145805	Lab File ID:	02042013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	02/04/2013 1107	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	02/03/2013 1310				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	U	2000	1939	97	75 - 125	
Antimony	10.0	U	500	418.7	84	75 - 125	
Arsenic	4.8	J	2000	1770	88	75 - 125	
Barium	30.6	J	2000	1889	93	75 - 125	
Beryllium	2.0	U	50.0	46.48	93	75 - 125	