

MIDLER CITY INDUSTRIAL PARK

SITE NO. C734103

**SECOND ANNUAL PERIODIC REVIEW
REPORT**

Prepared by



C&S Engineers, Inc.
499 Colonel Eileen Collins Blvd.
Syracuse, New York 13212

April 2010

TABLE OF CONTENTS

	<u>Page</u>
SECTION 1.0 INTRODUCTION.....	1
SECTION 2.0 SITE OVERVIEW	2
SECTION 3.0 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS.....	4
SECTION 4 IC/EC PLAN COMPLIANCE REPORT	7
SECTION 5 MONITORING PLAN COMPLIANCE REPORT	9
SECTION 6 - OPERATION & MAINTENANCE PLAN	10
SECTION 7 OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS	11

FIGURES

Figure 1 - Site Location Map – Syracuse East USGS

Figure 2 – ASB-01 from December 2007 Final Engineering Report

Figure 3 – Resubdivision Map

Figure 4 – ISTD Layout Plan

APPENDICES

Appendix A – Quarterly Groundwater Quality Summary

Appendix A-1 – Monitored Natural Attention

Appendix A-2 – Quarterly Groundwater Contour Maps 2009

Appendix B – SSDS Inspection/Operational Documentation

Appendix C – Property Inspection Forms

Appendix D – December 2009 Sampling Event Analytical Laboratory Data and DUSR

Appendix E – Institutional and Engineering Controls Certification Form

SECTION 1.0 INTRODUCTION

C&S Engineers, Inc., on behalf of our client Pioneer Midler Avenue, LLC, submits this second Annual Periodic Review Report for the site known as Midler City Industrial Park-Site No. C734103.

Historical Background

The site encompasses approximately 22 acres and is located in the eastern portion of the City of Syracuse, as shown on Figure 1. Historically the site was the home to the Prosperity Laundry Equipment Company, a premier manufacturer of commercial laundry and dry cleaning equipment. Currently a Lowe's Home center and a branch of State Employees Federal Credit Union (SEFCU) occupy much of the site. However, there are vacant outparcels which remain available for development.

During the Remedial Investigation (RI) and demolition activities that occurred in 2004-2006, areas impacted by petroleum and chlorinated volatile organic compounds were discovered. The nature of chlorinated volatile organic compounds (CVOCs) found at the site included tetrachloroethene (PCE), trichloroethene (TCE), vinyl chloride (VC), cis-1,2-dichloroethene (cis-1,2-DCE), and trans-1,2-dichloroethene (trans-1,2-DCE).

Excavation and offsite disposal was the means to manage petroleum impacted soil discovered during demolition and site work activities. Additionally, an Interim Remedial Measure (IRM) was conducted from November 2006 through early October 2007 to remove CVOCs from four source areas identified during the RI. The technology adopted to remove CVOCs was in-situ thermal desorption also known as ISTD. ISTD treatment of approximately 16,210 cubic yards, removed over 86,000 pounds of CVOCs (in vapor phase) which were treated on site via thermal oxidation. Further information regarding remedial efforts is presented in the IRM report prepared by C&S and dated December 2007.

Given:

- The presence of soils with high organic content (10.8% average);
- Nature of CVOCs,
- 40 years of site inactivity;
- Evidence of reductive dechlorination;
- Inorganic characteristics of groundwater including ORP, methane/ethane/ethene concentrations; and,
- The presence of *Dehalococcoides*
- The final remedy selected for the site was Monitored Natural Attenuation (MNA) using protocol established by the United States Environmental Protection Agency (USEPA).

Effectiveness of the Remedial Program

Data and discussion presented in this report confirm that CVOCs in groundwater continue to decrease. Current concentrations are well below those observed at the commencement of the Remedial Investigation and ensuing in-situ thermal treatment of significant source areas and with one exception (MW-10D), have declined significantly since the end of the cool-down period (assumed to be December 2008). The decrease in contaminant levels (in most wells) combined with the lines of evidence associated with reductive dechlorination, indicate that MNA continues to be the appropriate remedial technology for site groundwater.

Compliance

There are no areas of non-compliance regarding the major elements of the Site Management Plan that require corrective measures.

Recommendations

Based on the progress of CVOC attenuation observed thus far in the program, C&S recommends continuation of the current quarterly schedule, with full annual reporting as specified in the December 2007 *Remedial Work Plan*, *Site Management Plan* and, as required by the Brownfield Cleanup Agreement for the site.

Relative to IC/ECs for the site, no changes are recommended.

SECTION 2.0 SITE OVERVIEW

The Midler City Industrial Park site encompasses approximately 22 acres and is located in the eastern portion of the City of Syracuse, as shown on Figure 1. Further detail concerning the property boundary is shown on Figure ASB-01, that was appended to the December 2007 Final Engineering Report for the site.

Developed as an industrial facility in the late nineteenth century and utilized as such through the mid-twentieth century, the Midler City Industrial Park is relatively flat and is bounded as follows:

- North by Interstate Route 690.
- East by undeveloped property owned by Sutton Investing Corporation.
- South by property owned by CSX Transportation.
- West by Midler Avenue.

The site was one of the last undeveloped accessible tracts of land adjacent to the highly urbanized Erie Boulevard corridor. Currently, a Lowe's Home center and a branch of State Employees Federal Credit Union (SEFCU) occupy much of the site. However, there are vacant outparcels which remain available for development.

During the Remedial Investigation (RI) and demolition activities that occurred in 2004-2006, areas impacted by petroleum and chlorinated volatile organic compounds were discovered. The nature of chlorinated volatile organic compounds (CVOCs) found at the site included tetrachloroethene (PCE), trichloroethene (TCE), vinyl chloride (VC), cis-1,2-dichloroethene (cis-1,2-DCE), and trans-1,2-dichloroethene (trans-1,2-DCE). The occurrence of these CVOCs was found within the marl and peat and extended to depths of approximately 26 feet below ground surface. The source of these CVOCs is attributed to past manufacturing/waste management practices of the former Prosperity Laundry Equipment Company. No.6 fuel oil and other petroleum hydrocarbons were discovered during earthwork where several underground storage tanks were once present for the boiler house and, beneath certain floor slabs of the manufacturing complex where equipment was once emplaced. Those areas of petroleum contamination were excavated and disposed of off site. Clean-up objectives for petroleum impacted media was consistent with TAGM 4046/STARS.

An Interim Remedial Measure (IRM) was conducted from 2006-2007 to remove CVOCs from four source areas identified during the RI. The technology adopted to remove CVOCs was in-situ thermal desorption also known as ISTD. The smallest of the four source areas (“B-5” Area) was first excavated and the impacted materials were placed within the two largest areas (“B-1” and “B-3” Areas) for CVOC removal via in-situ thermal desorption. The layout of the ISTD system in each of the source areas is shown on the figure prepared by TerraTherm (STD provider) which is attached to this report. Based upon the high organic content of subsurface soils (10.8% average), a site specific soil clean-up objective of 31,200 ug/kg Total CVOCs was established consistent with TAGM 4046 guidance for calculating such objectives. As a result of the ISTD treatment, approximately over 86,000 pounds of CVOCs were removed from the subsurface and treated on site via thermal oxidation. Further information regarding remedial efforts is presented in the IRM report prepared by C&S and dated December 2007.

Given: the significant source removal effort; presence of soils with high organic content (10.8% average); nature of CVOCs; over 40 years of site inactivity; evidence of reductive dechlorination; inorganic characteristics of groundwater including ORP, methane/ethane/ethene concentrations; and, the presence of *Dehalococcoides*; the final remedy selected for the site relative to groundwater was Monitored Natural Attenuation (MNA) using protocol established by the United States Environmental Protection Agency (USEPA). The groundwater MNA program commenced in 2008 and was documented in a series of quarterly data reports. Evaluation of the data was presented in a report to the Department entitled *First Annual Site Monitoring Report*, dated February 2009 and prepared by C&S. The quarterly groundwater monitoring program continued through 2009. The quarterly results have been transmitted to NYSDEC Region 7 on a regular basis, except for the December 2009 data (fourth quarter) which are made a part of this Periodic Review Report. During the year 2009, no changes to the monitoring program have occurred.

As indicated in the December 2007 Remedial Work Plan, the timeframe to achieve the objective of 2 ug/l vinyl chloride in groundwater is anticipated to be several years or perhaps decades. Nevertheless the data required to help understand the progress of the selected remedy would

require quarterly sampling of seven monitoring wells for an initial period of two years which ended in December 2009. Those samples were subjected to a variety of laboratory analysis associated with MNA including inorganic parameters, microbial indicators as well as contaminant concentration. The resultant data was examined for evidence indicating overall reduction of contaminant levels and further evaluated relative to the establishment of rate constants using USEPA protocol.

Ground water quality data (relative to chlorinated compounds) for each of the seven wells are presented on tables shown in Appendix A. Analytical results for the MNA parameters are shown on the table that is Appendix A-1 of this report. Appendix A-2 of this PRR includes the groundwater contour maps for each sampling event completed in 2009.

SECTION 3.0 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

Natural Attenuation Parameters

Appendix A and Appendix A-1 of this report contain tables that summarize the data collected from the seven monitoring wells since February 2008. As previously stated in the annual report concerning the 2008 groundwater monitoring program, elevated groundwater temperatures recorded during the first year after the shut down of the ISTD system were determined to be the result of the heating process which had a duration of approximately 11 months. The *Remedial Work Plan* issued in December 2007 established that the cool-down period would be considered complete when the range of groundwater temperatures recorded at the monitoring wells stabilized to within five degrees Fahrenheit of each other. However, the 2009 data still shows a higher than anticipated groundwater temperature in MW-13D and to a somewhat lesser extent in MW-16D. The spread amongst wells MW-2D, MW-9D, MW-10D and MW-15D was not greater than five degrees Fahrenheit at the time of the December 2009 sampling event.

Other parameters of interest include during 2009 include:

- ORP- Remains at levels of -300mV or more. The exception is MW-2D where values less than -318mV were recorded. However, values larger than -100mV are indicative of an environment that is conducive to support reductive dechlorination
- Dissolved Oxygen- Other than instances, the presence of dissolved oxygen in each of the monitoring wells continues to be essentially non-existent and indicative of a reducing environment.
- Methane- Concentrations of 6.5 mg/l or less are present in MW-2D. MW-9D and MW-10D. Concentrations exceeding 11 mg/l are consistent in the remaining four wells.
- Sulfate- In MW 2D, 9D, 10D and 15D concentrations exceeding 377 mg/l were recorded. Lower concentrations ranging from 3.2 mg/l to 155 mg/l were found in wells MW-13D, 14D and 16D. According USEPA MNA guidance, sulfate in excess of 20mg/l may cause competitive exclusion of dechlorination. However, in many plumes with high concentrations of sulfate, reductive dechlorination still occurs. Based on CVOC data

collected at the Midler Avenue site, it would appear the reductive dechlorination is occurring.

- Dehalococcoides-This microbe is present in each of the wells. As would be expected meaningful population of Dhc has decreased with time as reductive chlorination occurs. However, a rebound of Dhc appears to be taking place in MW-10D, 13D and 16D.
- Vinyl chloride reductase (vcrA)- As the occurrence of Dhc decreases so does vcrA, however, review of the Monitored Natural Attenuation data presented in the table contained in Appendix A-1, vcrA has increased in MW-10D and MW-13D

Evaluation Of Rate Constants

The February 2009 *First Annual Site Monitoring Report* developed rate constants from cool-down period data which were determined to be of minimal relevance with respect to long-term natural attenuation trends. The USEPA instructs in that, to make a statistically valid projection of the rate of monitored natural attenuation, monitoring periods of at least three years should be considered. With those restrictions in mind, we offer the following observations and calculations (where possible and relevant) regarding the apparent rate of CVOC reduction (the slope of the line on a graph of concentration vs. time) at each of the site monitoring wells during the 675 day period (February 12, 2008 through December 21, 2009) that elapsed from the beginning of the cool-down period through the final quarterly monitoring period in 2009.

Preliminary Concentration Versus Time Rate Constants

The following discussions refer to the preliminary first order rate constants derived from a comparison of individual CVOC analytical results for each monitoring well from the initial (February 12, 2008) post treatment monitoring event to the most recent sampling event (December 12, 2009) which equates to 675 elapsed days. By selecting those endpoints to define the linear relationship between concentration and time, the data variability which were exhibited during the cool-down period are ignored. As additional data are generated over time, a more statistically valid approach may more appropriate to utilize all data points from after the end of the cool-down period to create a “best fit” linear relationship.

MW-2D – The data indicate that no meaningful rate constant can be extracted for this location. The maximum CVOC detected in groundwater, from this location, was 0.28 µg/l for vinyl chloride, as reported for the December 2009 sampling event. That concentration is less than the Class GA Standard, of 2 µg/l for that compound.

MW-9D - The data indicate a rate constant of 0.193 for cis-1,2-dichloroethene (cis-DCE), the concentration of which declined to, and remained, less than the Class GA groundwater Standard of 5 µg/l during the monitoring period. The concentration of vinyl chloride in MW-9D declined from 4 µg/l in February 2008 to 3.1 µg/l in December 2009, resulting in a rate constant of 0.138. The VC data indicate that, if the trend continues, the 2 µg/l Class GA groundwater standard for VC could be achieved in approximately 3.2 years.

MW-10D – The data indicate a negative rate constant for vinyl chloride over the monitoring period, as the concentration of that compound increased from 96 µg/l in February 2008 to 170

ug/l in December 2009. The point degradation rate for cis-1,2 DCE is “zero” (indicating an infinite theoretical “Time to Meet Standard”), since the concentrations of this compound remained unchanged for the monitoring period. For trans-1,2 DCE, a decline from 16 ug/l to 12 ug/l indicates a rate constant of 0.156 and a theoretical time to achieve the 5 ug/l Class GA standard of approximately 5.6 years.

MW-13D – Vinyl chloride concentrations declined from 3,100µg/l to 760 µg/l during the post treatment monitoring period, indicating a rate of constant of 0.760 and a theoretical “Time to Meet Standard” of approximately 7.81 years. Cis 1,2-DCE concentrations declined from 430 µg/l to 120 µg/l during the post-treatment period indicating a rate of constant of 0.690 and a theoretical “Time to Meet Standard” of approximately 4.6 years. Trans 1,2-DCE concentrations declined from 36 µg/l to 11 µg/l during the post-treatment period indicating a rate of constant of 0.641 and a theoretical “Time to Meet Standard” of approximately 1.23 years. .

MW-14D – Concentrations of both cis1,2- and trans1,2-DCE, as well as TCE, have declined to less than the respective Class GA Groundwater Standard (5 ug/l) for all of these compounds. VC concentrations have declined from 12,000 ug/l to 3.1 ug/l during the post treatment monitoring period, indicating a rate of constant of 4.467 and a theoretical time of approximately 0.1 years to achieve the 2 ug/l Class GA Standard for that compound.

MW-15 and MW-16D – No meaningful rate constant can be established for either of these wells since all of the CVOC concentrations have declined to levels that are less than their respective Class GA groundwater Standards.

Preliminary Concentration versus Distance Rate Constants

The following table provides the rate constant derived by comparing total CVOC concentrations (as of December 21, 2009) versus the distance between each well pair ,as identified in the December 2007 Remedial Work Plan.

Upgradient Well		Downgradient Well		Distance Between Wells (feet)	Calculated Rate Constant (k)
Well ID	Total CVOCs (ug/l)	Well ID	Total CVOCs (ug/l)		
MW-14D	7.39	MW-9D	6.96	139	0.00043
MW-16D	5.2	MW-10D	382	235	NA
MW-13D	891	MW-15D	7.5	51.5	0.0928

This calculation assumes that the upgradient well represents the “source” of CVOCs detected in the groundwater samples for the pair of wells, which is apparently not a valid assumption for the MW-16D/MW-10D well pair. Comparison of these rate constants with subsequent rate constants from future monitoring might serve as an indication as to whether the assumed plume (from upgradient to downgradient) is expanding or contracting (larger value for k would indicate an expanding plume).

Conclusions Regarding Rate Constant Calculations

The above discussions indicate again the limitations of utilizing relatively short-term data sets, as well as data derived during non-static conditions, such as the cool-down period, for calculations of this kind. The data collection and assessment for the cool-down period (2008) resulted in lengthy discussions with TestAmerica, the analytical laboratory used for this program, with regard to the lab's inability to achieve the low detection limits requested (and theoretically achievable using these analytical methods). TestAmerica subsequently identified one of their lab locations as being better able to deal with the physical condition (foaming) that was causing the inability to achieve the lower limits, and all of the 2009 CVOCs analyses associated with the MNA program were analyzed at that location. As the MNA program progresses, and CVOC concentrations decline via the attenuation processes, the lab will be asked to provide even lower detection limits starting with the first sampling event in 2010.

Conclusions and Recommendations

Data and discussion presented in the preceding text and accompanying data tables confirm that CVOCs in groundwater continue to decrease. Current concentrations are well below those observed at the commencement of the Remedial Investigation and ensuing in-situ thermal treatment of significant source areas and with one exception (MW-10D), have declined significantly since the end of the cool-down period (assumed to be December 2008). The decrease in contaminant levels (in most wells) combined with the lines of evidence associated with reductive dechlorination, indicate that MNA continues to be the appropriate remedial technology for site groundwater.

Based on the progress of CVOC attenuation observed thus far in the program, we recommend continuation of the quarterly schedule, with full annual reporting as specified in the December 2007 *Remedial Work Plan* and *Site Management Plan* as well as the conditions of the Brownfield Cleanup Agreement for the site.

SECTION 4 IC/EC PLAN COMPLIANCE REPORT

Residual subsurface contamination remains after completion of the IRM performed under the BCP. Engineering Controls (ECs) have been incorporated into the site remedy to provide proper management of this contamination in the future to ensure protection of public health and the environment. A site-specific Environmental Easement has been recorded with the Onondaga 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 and all Institutional Controls (ICs) placed on this Site by NYSDEC by the grantor of the Environmental Easement and any and all successors and assigns of the grantor.

Site Specific Engineering Controls

As described in the December 2007 Site Management Plan (SMP), as approved by NYSDEC, the following site specific ECs have been implemented.

Sub-slab depressurization systems (SSDSs) - SSDSs have been installed and maintained on both the Lowe's home center and SEFCU branch. Those systems are inspected on a regular basis by Pioneer Midler Avenue, LLC as documented on the forms shown Appendix B of this PRR. No operational problems have occurred with the system installed at the SEFCU branch. However fans No. 2 and No. 3, both at the Lowe's home center were replaced in June 2009.

If in the future additional buildings are constructed on the site, similar type SSDS will be installed and maintained. The designs and system performance requirements will be in accordance with most current applicable regulations and/or guidance.

Public water supply - The site and surrounding properties receive their domestic water from municipal service connections supplied by the City of Syracuse. The source of the municipal water supply is surface water from Skaneateles Lake, Otisco Lake, and Lake Ontario. The Lowe's home center and SEFCU branch are connected to and obtain potable water from the municipal water supply described above. Currently there are no other buildings or users of water on the site.

Paved and concrete surfaces - Site cover - To the extent reasonable, surfaces outside of the building footprints were paved or covered with conventional asphalt or concrete. Areas beneath the asphalt and/or concrete pavement received one foot of clean Type 1 or 2 crushed limestone from an approved Quarry (i.e., T. H. Kinsella, Hansen). Areas outside of buildings and paved areas receive either a combination of clean crushed limestone fill, and/or clean topsoil to a depth of one foot. The clean crushed limestone fill and/or topsoil has been maintained to avoid direct contact with pre-existing urban fill material and native soils. As required by the Site Management Plan Pioneer Midler Avenue LLC performs a visual inspection of the site twice each year. Those inspections completed during 2009 are documented on the forms shown in Appendix C of this PRR.

Site Specific Institutional Controls

As described in the December 2007 Site Management Plan (SMP), as approved by NYSDEC, the following site specific ICs have been implemented.

Environmental Easement - Pioneer has granted the NYSDEC an environmental easement for the Site to ensure that use restrictions or engineering controls remain in place and will be binding to future owners and lessees, or until modified, extinguished, or amended by a written instrument executed by the Commissioner of the NYSDEC.

- No changes to the Environmental Easement have occurred during 2009.

Groundwater Use Restriction - The use or discharge of untreated groundwater for any purpose will not be permitted at the Site.

- As stated under the Engineering Controls, each building is connected to City of Syracuse municipal water supply.

Soil Management Plan - A site specific Soil Management Plan (SoMP) dated December 2007 has been approved by NYSDEC and has been implemented at this Site. The objective of the SoMP is to set guidelines for management of soil material during any future activities which would breach the cover system at the site.

There have been no excavation, construction or dewatering activities completed during 2009 . However, with the concurrence with NYSDEC Region 7, excess spoils generated during earthwork for a new office building on a site owned by Pioneer and known as the Washington Station site, were transported to and temporarily staged at the Midler City Industrial Park Site during 2009. Those excess spoils consist of urban fill and were to be assessed relative to suitability for re-use at the Midler City Industrial Park Site. Final management and disposition of those spoils will be documented in the PRR for calendar year 2010.

Recommendations

Relative to the SoMP, no changes to the plan are recommended for 2010.

SECTION 5 MONITORING PLAN COMPLIANCE REPORT

The December 2007 Monitoring Plan and the December 2007 Remedial Work Plan, both approved by NYSDEC described the measures for evaluating the performance and effectiveness of Monitored Natural Attenuation (MNA). The elements of these plans, relative to groundwater monitoring consisted of quarterly sampling and laboratory analysis for chlorinated volatile organic compounds via EPA Method 8260. Additionally, each sample was further evaluated for the following parameters:

- ORP
- Temperature
- pH
- Dissolved oxygen
- Ferric iron
- Ferrous iron
- Total Iron
- Sulfate
- Sulfide
- Dissolved Organic Carbon
- Dissolved Inorganic Carbon
- Dissolved methane
- Dissolved ethene
- Dissolved ethane

- Microbial analysis to determine presence and concentration of Dehalococcoides (Dhc) populations and gene analysis to determine presence/concentrations of Dhc capable of dechlorinating vinyl chloride to ethene

Groundwater data (quality and water levels) were tabulated and accumulated after each quarterly round of sampling and submitted to NYSDEC Region 7 for the sampling events completed in March, June, September. Analytical results and related documentation for the most recent event completed in December 2009 are included in this PRR. Groundwater data tables (quality and MNA) are shown in Appendix A and Appendix A-1 respectively of this PRR. Also, groundwater contour maps for each sampling event are shown in Appendix A-2 of this PRR. Analytical laboratory reports for the December 2009 sampling event are shown in Appendix D of this PRR.

Further discussion of the results obtained during 2009 relative to remedial objectives, evidence of reductive dechlorination and recommended changes to the MNA program are presented in Section 3 of this PRR.

Conclusion

As stated in the conclusions presented in the end of Section 3 of this PRR, it is our opinion that the quarterly sampling event continue for calendar year 2010.

SECTION 6 OPERATION & MAINTENANCE PLAN

The December 2007 Operation and Maintenance Plan for the site, which was approved by NYSDEC, describes the measures necessary to operate and maintain mechanical components of the SSDS systems installed at each of the buildings. The Operation & Maintenance Plan included a description of visual inspections to be conducted to document the condition of the exterior paved surfaces.

SSDS Operation and Maintenance

During 2009 verification of normal operating status was conducted on an approximately weekly basis. This verification, performed by Pioneer Midler Avenue, LLC, is by visual observation of the magnehelic gauge attached to each discharge stack. These observations are recorded and kept on file. Copies of the inspection forms for 2009 are presented in Appendix B of this PRR.

Routine maintenance will be performed every 12 months and include:

- visual inspection of above grade components
- verification that no building intakes have been added w/in 10' of the SSDS ventilation stacks
- As appropriate preventative maintenance, repairs and/or adjustments shall be made to the system to ensure its continued effectiveness
- If significant changes are made to building, the system will be modified and/or expanded to properly ensure the system is functioning properly.

- Verification that floor penetrations are not leaking and if leaks are detected appropriate repairs are to be completed.

No operational problems have occurred with the system installed at the SEFCU branch. However, fans No. 2 and No. 3, both at the Lowe's home center were replaced in June 2009.

Pavement and Concrete Surfaces

All paved and concreted surfaces are maintained such that extensive perforations or cracks are sealed or repaired on an on-going basis. The Property Manager performs a semiannual inspection of the cover system. Documentation of the visual inspections performed in 2009 are presented in Appendix C of this PRR.

Conclusion

Based on the information gathered during 2009, it is our opinion that no changes in the O&M Plan should be implemented for calendar year 2010.

SECTION 7 OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS

Compliance with Site Management Plan

During calendar year 2009, all the requirements of the Site Management Plan prepared in 2007 were satisfied and no changes or modifications are contemplated at this time. However, with the concurrence with NYSDEC region 7, excess spoils generated during earthwork for a new office building on a site owned by Pioneer and known as the Washington Station site, were transported to and temporarily staged at the Midler City Industrial Park Site during 2009. Those excess spoils consist of urban fill and were to be assessed relative to suitability for re-use at the Midler City Industrial Park. Final management and disposition of those spoils will be documented in the PRR for calendar year 2010.

Performance and Effectiveness of the Remedy

Data and discussion presented in Section 3 of this PRR confirm that CVOCs in groundwater continue to decrease. Current concentrations are well below those observed at the commencement of the Remedial Investigation and ensuing in-situ thermal treatment of significant source areas and with one exception (MW-10D), have declined significantly since the end of the cool-down period (assumed to be December 2008). The decrease in contaminant levels (in most wells) combined with the lines of evidence associated with reductive dechlorination, indicate that MNA continues to be the appropriate remedial technology for site groundwater.

Based on the progress of CVOC attenuation observed thus far in the program, C&S recommends continuation of the quarterly sampling schedule, with full annual reporting as specified in the

December 2007 *Remedial Work Plan* and *Site Management Plan* as well as the conditions of the Brownfield Cleanup Agreement for the site.

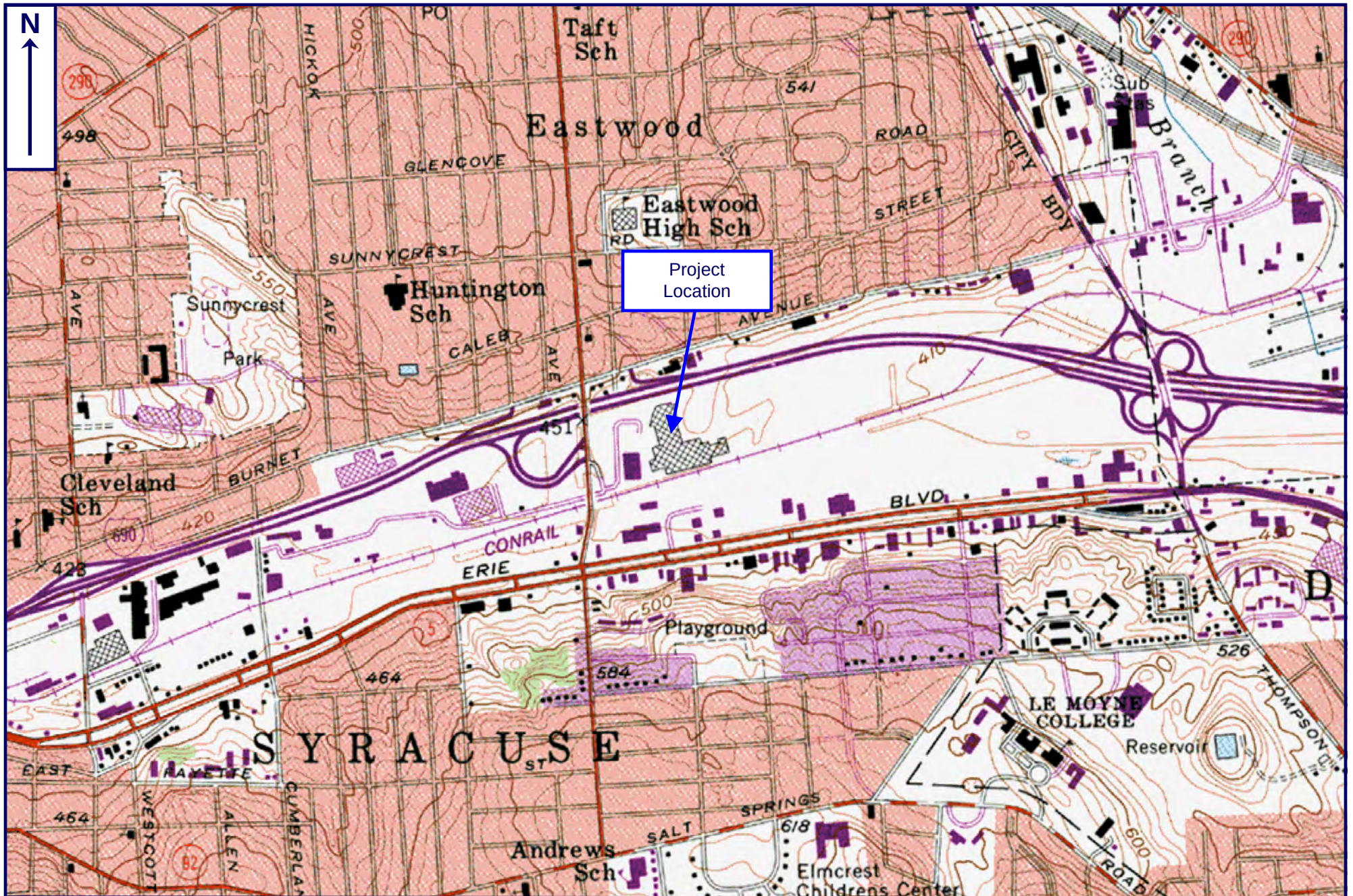
Future PRR Submittals

No change in PRR submittal frequency is recommended for this site. As such the next PRR will be issued in 2010.

FIGURES

FIGURE 1

SITE LOCATION - SYRACUSE EAST USGS



Source: USGS Topographic Maps (Terrain Navigator)
Syracuse East, NY

Figure 1
Site Location Map

Pioneer Milder Avenue LLC Site No. C734103
City of Syracuse, Onondaga County, New York

FIGURE 2

**ASB-01 FROM DECEMBER 2007
FINAL ENGINEERING REPORT**

FIGURE 3

RESUBDIVISION MAP

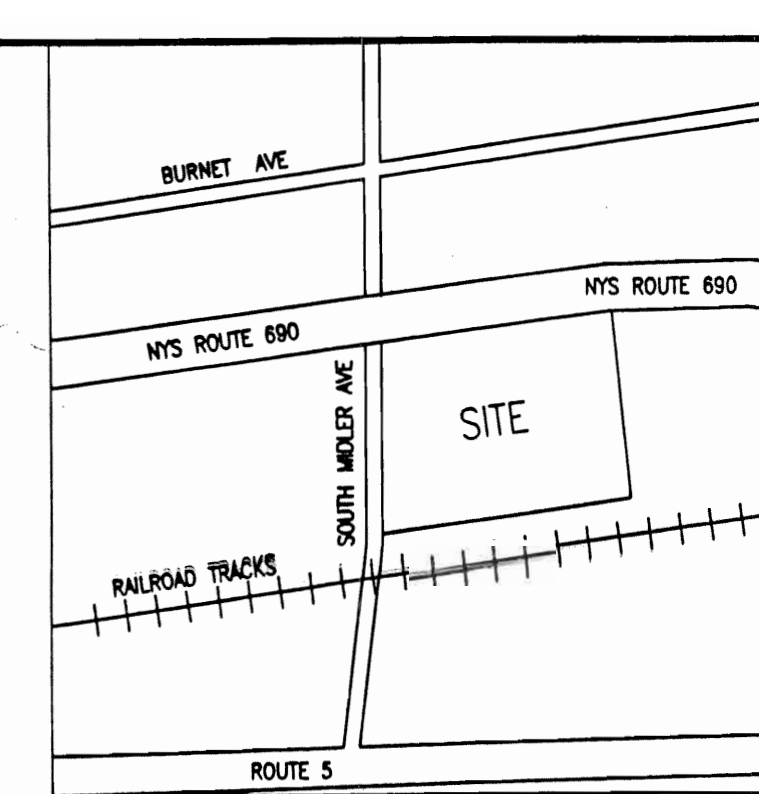


WATER EASEMENT (AREA=0.852± ACRES)			COURSE			DIRECTION			DISTANCE		
1	N 07°-23'-35" W	21.02'	18	N 73°-16'-31" E	234.52'	19	N 18°-16'-17" W	10.00'	20	N 73°-16'-31" E	20.01'
2	N 73°-16'-31" E	352.23'	21	N 18°-16'-17" W	10.00'	22	N 73°-16'-31" E	20.01'	23	N 18°-16'-17" W	10.00'
3	N 18°-16'-17" W	77.08'	24	N 73°-16'-31" E	20.01'	25	N 18°-16'-17" W	10.00'	26	N 73°-16'-31" E	20.01'
4	N 73°-16'-31" E	232.24'	27	N 18°-16'-17" W	10.00'	28	N 73°-16'-31" E	20.01'	29	N 18°-16'-17" W	10.00'
5	N 18°-16'-17" W	452.26'	30	N 73°-16'-31" E	20.01'	31	N 18°-16'-17" W	10.00'	32	N 73°-16'-31" E	20.01'
6	S 73°-21'-19" W	6.80'	33	S 18°-38'-41" E	20.00'	34	S 73°-21'-19" W	6.80'	35	S 18°-38'-41" E	20.00'
7	N 18°-38'-41" E	20.00'	36	S 73°-21'-19" W	6.80'	37	N 18°-38'-41" E	20.00'	38	S 73°-21'-19" W	6.80'
8	N 73°-21'-19" E	8.80'	39	S 18°-38'-41" E	20.00'	40	N 73°-21'-19" E	8.80'	41	S 18°-38'-41" E	20.00'
9	N 18°-38'-41" E	109.84'	42	N 73°-21'-19" E	8.80'	43	N 18°-38'-41" E	109.84'	44	N 73°-21'-19" E	8.80'
10	S 73°-21'-19" W	201.25'	45	S 18°-38'-41" E	20.00'	46	S 73°-21'-19" W	201.25'	47	S 18°-38'-41" E	20.00'
11	S 86°-08'-55" W	8.42'	48	S 73°-21'-19" W	201.25'	49	S 86°-08'-55" W	8.42'	50	S 73°-21'-19" W	201.25'
12	N 04°-08'-08" W	20.00'	51	S 18°-38'-41" E	20.00'	52	N 04°-08'-08" W	20.00'	53	S 18°-38'-41" E	20.00'
13	N 86°-08'-55" E	6.28'	54	S 73°-21'-19" W	201.25'	55	N 86°-08'-55" E	6.28'	56	S 73°-21'-19" W	201.25'
14	N 73°-21'-19" E	230.47'	57	S 18°-38'-41" E	20.00'	58	N 73°-21'-19" E	230.47'	59	S 18°-38'-41" E	20.00'
15	S 18°-38'-41" E	20.00'	60	S 73°-21'-19" W	201.25'	61	S 18°-38'-41" E	20.00'	62	S 73°-21'-19" W	201.25'
16	S 73°-21'-19" W	11.46'	63	S 18°-38'-41" E	20.00'	64	S 73°-21'-19" W	11.46'	65	S 18°-38'-41" E	20.00'
17	S 18°-38'-41" E	384.90'	66	S 73°-21'-19" W	201.25'	67	S 18°-38'-41" E	384.90'	68	S 73°-21'-19" W	201.25'

SANITARY EASEMENT (AREA=0.222± ACRES)			COURSE			DIRECTION			DISTANCE		
1	N 24°-00'-42" W	45.57'	18	N 73°-16'-31" E	234.52'	19	N 18°-16'-17" W	10.00'	20	N 73°-16'-31" E	20.01'
2	N 27°-45'-00" W	52.98'	21	N 18°-16'-17" W	10.00'	22	N 73°-16'-31" E	20.01'	23	N 18°-16'-17" W	10.00'
3	N 30°-02'-02" E	88.39'	24	N 73°-16'-31" E	20.01'	25	N 18°-16'-17" W	10.00'	26	N 73°-16'-31" E	20.01'
4	N 30°-02'-51" W	306.90'	27	N 18°-16'-17" W	10.00'	28	N 73°-16'-31" E	20.01'	29	N 18°-16'-17" W	10.00'
5	N 15°-16'-54" W	196.47'	30	N 73°-16'-31" E	20.01'	31	N 15°-16'-54" W	196.47'	32	N 73°-16'-31" E	20.01'
6	N 65°-38'-50" E	87.15'	33	S 18°-38'-41" E	20.00'	34	N 65°-38'-50" E	87.15'	35	S 18°-38'-41" E	20.00'
7	N 03°-49'-38" W	30.20'	36	S 73°-21'-19" W	6.80'	37	N 03°-49'-38" W	30.20'	38	S 73°-21'-19" W	6.80'
8	N 71°-46'-10" E	12.39'	39	S 18°-38'-41" E	20.00'	40	N 71°-46'-10" E	12.39'	41	S 18°-38'-41" E	20.00'
9	S 03°-49'-38" E	41.80'	42	N 73°-21'-19" E	8.80'	43	S 03°-49'-38" E	41.80'	44	N 73°-21'-19" E	8.80'
10	S 65°-38'-50" W	85.23'	45	S 18°-38'-41" E	20.00'	46	S 65°-38'-50" W	85.23'	47	S 18°-38'-41" E	20.00'
11	S 15°-16'-54" E	184.88'	48	S 73°-21'-19" W	6.80'	49	S 15°-16'-54" E	184.88'	50	S 73°-21'-19" W	6.80'
12	S 30°-02'-51" E	312.38'	51	S 18°-38'-41" E	20.00'	52	S 30°-02'-51" E	312.38'	53	S 18°-38'-41" E	20.00'
13	S 30°-42'-02" W	95.12'	54	S 73°-21'-19" W	201.25'	55	S 30°-42'-02" W	95.12'	56	S 73°-21'-19" W	201.25'
14	S 27°-45'-00" W	46.85'	57	S 18°-38'-41" E	20.00'	58	S 27°-45'-00" W	46.85'	59	S 18°-38'-41" E	20.00'
15	S 73°-21'-19" W	41.29'	60	S 73°-21'-19" W	201.25'	61	S 73°-21'-19" W	41.29'	62	S 73°-21'-19" W	201.25'
16	S 73°-21'-19" W	12.10'	63	S 18°-38'-41" E	20.00'	64	S 73°-21'-19" W	12.10'	65	S 18°-38'-41" E	20.00'

GAS EASEMENT (AREA=0.358± ACRES)			COURSE			DIRECTION			DISTANCE		
1	N 71°-46'-10" E	0.12'	18	S 73°-21'-19" W	10.00'	19	N 18°-16'-17" W	10.00'	20	N 73°-16'-31" E	20.01'
2	N 74°-32'-58" E	96.14'	21	N 18°-16'-17" W	10.00'	22	N 73°-16'-31" E	20.01'	23	N 18°-16'-17" W	10.00'
3	N 75°-28'-00" E	196.04'	24	N 73°-16'-31" E	20.01'	25	N 18°-16'-17" W	10.00'	26	N 73°-16'-31" E	20.01'
4	N 83°-05'-20" E	57.82'	27	N 18°-16'-17" W	10.00'	28	N 73°-16'-31" E	20.01'	29	N 18°-16'-17" W	10.00'
5	S 15°-16'-54" W	61.24'	30	N 73°-16'-31" E	20.01'	31	S 15°-16'-54" W	61.24'	32	N 73°-16'-31" E	20.01'
6	S 73°-21'-19" W	10.00'	33	N 18°-16'-17" W	10.00'	34	S 73°-21'-19" W	10.00'	35	N 18°-16'-17" W	10.00'
7	N 15°-16'-54" W	52.80'	36	N 73°-16'-31" E	20.01'	37	N 15°-16'-54" W	52.80'	38	N 73°-16'-31" E	20.01'
8	S 83°-05'-20" W	46.72'	39	N 18°-16'-17" W	10.00'	40	S 83°-05'-20" W	46.72'	41	N 18°-16'-17" W	10.00'
9	S 75°-28'-00" W	195.30'	42	N 73°-16'-31" E	20.01'	43	S 75°-28'-00" W	195.30'	44	N 73°-16'-31" E	20.01'
10	S 74°-32'-58" W	95.81'	45	N 18°-16'-17" W	10.00'	46	S 74°-32'-58" W	95.81'	47	N 18°-16'-17" W	10.00'
11	S 71°-46'-10" W	136.34'	48	N 73°-16'-31" E	20.01'	49	S 71°-46'-10" W	136.34'	50	N 73°-16'-31" E	20.01'
12	S 18°-16'-17" E	423.97'	51	N 18°-16'-17" W	10.00'	52	S 18°-16'-17" E	423.97'	53	N 18°-16'-17" W	10.00'
13	S 73°-21'-19" W	128.00'	54	N 71°-46'-10" E	341.58'	55	S 73°-21'-19" W	128.00'	56	N 71°-46'-10" E	341.58'
14	S 15°-16'-54" E	50.20'	57	S 73°-21'-19" W	128.00'	58	S 15°-16'-54" E	50.20'	59	S 73°-21'-19" W	128.00'
15	S 15°-16'-54" E	50.20'	60	S 15°-16'-54" E	50.20'	61	S 15°-16'-54" E	50.20'	62	S 15°-16'-54" E	50.20'

ACCESS EASEMENT (AREA=0.959± ACRES)			COURSE			DIRECTION			DISTANCE		
1	N 88°-41'-30" E	9.32'	18	S 73°-21'-19" W	6.12'	19	R=182.50' L=48.85' Δ=152°01'11"		20	R=57.50' L=14.91' Δ=145°13'34"	
2	R=182.50' L=48.85' Δ=152°01'11"		21	R=57.50' L=14.91' Δ=145°13'34"		22	S 58°-29'-44" W	58.03'	23	R=92.50' L=23.99' Δ=145°13'34"	
3	N 73°-21'-19" E	1025.71'	24	S 58°-29'-44" W	58.03'	25	R=92.50' L=23.99' Δ=145°13'34"		26	S 73°-21'-19" W	1025.71'
4	R=57.50' L=14.91' Δ=145°13'34"		27	S 73°-21'-19" W	1025.71'	28	R=217.50' L=58.22' Δ=152°01'11"		29	S 88°-41'-30" W	7.48'
5	R=181.21' L=48.85' Δ=152°01'11"		30	S 88°-41'-30" W	7.48'	31	N 04°-19'-45" W	76.00'	32	N 04°-19'-45" W	76.00'
6	R=92.50' L=23.99' Δ=145°13'34"		33	N 04°-19'-45" W	76.00'	34	S 13°-49'-30" E	35.04'	35	S 13°-49'-30" E	35.04'
7	H 73°-21'-19" E	7.88'	36	S 13°-49'-30" E	35.04'	37			38		
8	S 13°-49'-30" E	35.04'	39			40			41		



PROPOSED RETAIL DEVELOPMENT MIDLER AVENUE SYRACUSE, NY

PIONEER MIDLER AVENUE LLC.
250 SOUTH CLINTON
SYRACUSE, NY 13202



PIONEER
COMPANIES

PREPARED BY:

BERGMANN
associates
Engineers / Architects / Surveyors

REVISIONS				
NO.	DATE	DESCRIPTION	REV.	CHKD.
1	10/29/04	ADD LOT 6, REVISE LOTS 3, 4, 5	CCW	KMS
2	12/23/04	ADD ADDRESSES TO LOTS	CCW	KMS
3	8/26/05	ADD SIGNATURE BLOCKS	CCW	MAF
4	10/28/05	REVISE LOT 1, LOT 2 PROPERTY LINE	CCW	KMS
5	05/18/06	REVISE LOT 1, ADD LOTS 7, 8, 9	POM	KMS
6	08/10/06	ADD EASEMENTS	CCW	KMS
7	08/21/06	REVISED LOTS	KJC	KMS
8	09/27/06	ADDRESS CITY COMMENTS	JWL	KMS
9	11/22/06	REVISED SANITARY & ACCESS EASEMENTS	POM	KMS

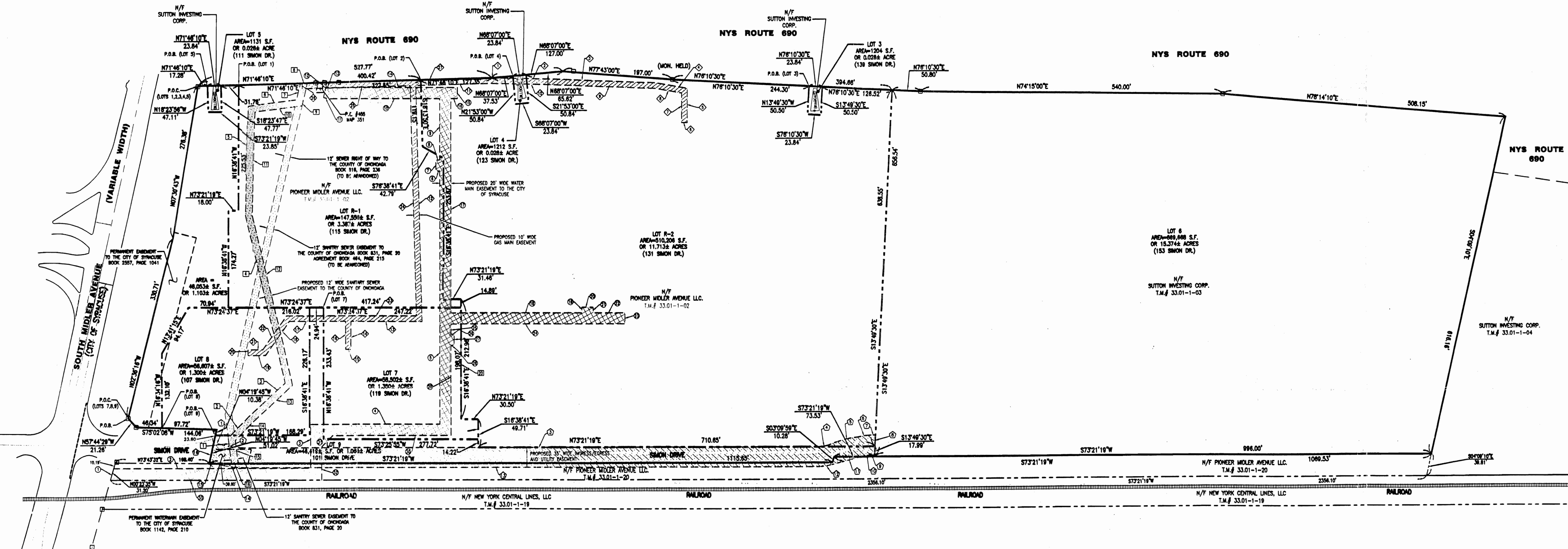
NOTE:
Unauthorized alteration or addition to this drawing is a violation of the New York State Education Law Article 145, Section 7209.

RESUBDIVISION OF THE PIONEER MIDLER AVENUE SUBDIVISION KNOWN AS 101-153 SIMON DRIVE

BEING PART OF MILITARY LOT NUMBER 40
OF THE FORMER TOWN OF DEWITT

Project Manager: S. Boisvert	
Designed by: C. Wood	
Checked by: K. Sullivan	
Date Issued: October 19, 2004	
Scale: 1"=100'	
Project Number: 1122106	File Name: 101-153subdivision.dwg
Drawing Number: 6197.00	Survey/6197subdivision.dwg

SM-01



APPROVED BY: _____
CITY PLANNING COMMISSION
DATE: _____

APPROVED BY: _____
CITY ENGINEER
DATE: _____

APPROVED BY: _____
CITY ASSESSOR
DATE: _____

APPROVED BY: _____
COUNTY HEALTH DEPARTMENT
DATE: _____

APPROVED BY: _____
CITY FINANCE DEPARTMENT
DATE: _____

The City of Syracuse hereby certifies that all property taxes due on this property are paid as of this date.
Sheldon A. Ashkin
Sheldon A. Ashkin
1st Deputy Commissioner

Reviewed: *11/29/06* Date
11/29/06
1st Deputy Comm. - Assessment

City of Syracuse, NY
DEPARTMENT OF ENGINEERING
FINAL TRACT PLAN
APPROVED: *12/7/06*
Monica E. Adams, P.E.
Office of the City Engineer

ONONDAGA COUNTY DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
The proposed arrangements for water supply and sewage disposal for this project are acceptable to this Department. Subdivision approval by this Department is not required.
Bureau of Public Health Engineering

10571

REFERENCES:

- DEED FILED IN THE ONONDAGA COUNTY CLERKS OFFICE DATED JUNE 2, 1981, BOOK 2046, PAGE 402 OF DEEDS.
- APPROPRIATION MAP No. 66, PARCEL No's 106, 107, 108, AND 118, TITLED "SOUTH MIDLER AVENUE BRIDGE REMOVAL, CITY OF SYRACUSE-B.L.N. 2208650," TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, REGION 3, SYRACUSE, NY.
- APPROPRIATION MAP No. 66, PARCEL No. 110, TITLED "SOUTH MIDLER AVENUE BRIDGE REMOVAL, CITY OF SYRACUSE-B.L.N. 2208650," TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, REGION 3, SYRACUSE, NY.
- APPROPRIATION MAP No. 71, PARCEL No's 115 AND 116, TITLED "SOUTH MIDLER AVENUE BRIDGE REMOVAL, CITY OF SYRACUSE-B.L.N. 2208650," TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, REGION 3, SYRACUSE, NY.
- APPROPRIATION MAP No. 67, PARCEL No. 109, TITLED "SOUTH MIDLER AVENUE BRIDGE REMOVAL, CITY OF SYRACUSE-B.L.N. 2208650," TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, REGION 3, SYRACUSE, NY.
- APPROPRIATION MAP No. 354, PARCEL No's 446, 448, 450, AND 451, TITLED "INTERSTATE ROUTE 570-1-4.0, FORMAN AVENUE TO ERICKSON STREET, CITY OF SYRACUSE," TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, REGION 3, SYRACUSE, NY.
- APPROPRIATION MAP No. 351, PARCEL No's 445 AND 455, TITLED "INTERSTATE ROUTE 570-1-4.0, FORMAN AVENUE TO ERICKSON STREET, CITY OF SYRACUSE," TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, REGION 3, SYRACUSE, NY.
- APPROPRIATION MAP No. 529, PARCEL No. 631, TITLED "INTERSTATE ROUTE CONNECTION No 570-1-4.1, ERICKSON STREET TO CITY LINE," TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, REGION 3, SYRACUSE, NY.
- APPROPRIATION MAP No. 3-C, PARCEL No. 684, TITLED "INTERSTATE ROUTE CONNECTION No 570-1-4.1, ERICKSON STREET TO CITY LINE," TO THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, REGION 3, SYRACUSE, NY.
- CONRAIL RIGHT OF WAY MAP V73/6 (FORMERLY NEW YORK CENTRAL RAILROAD), DATED 5/5/92.
- ABSTRACT OF TITLE PREPARED BY TIOUR TITLE INSURANCE COMPANY, TITLE No. 530420350.
- SUBDIVISION MAP FILED IN COUNTY CLERKS OFFICE TITLED "RESUBDIVISION OF TAX MAP #33.01-1-01, #33.01-1-02, #33.01-1-03 AND #33.01-1-21 INTO LOTS 1-9 OF THE PIONEER MIDLER AVENUE SUBDIVISION KNOWN AS 621 MIDLER AVENUE"

NOTES:

- CITY OF SYRACUSE PROPERTY (TAX MAP No. 33.01-1-20) WAS CALCULATED FROM THE CONRAIL RIGHT OF WAY MAP (REFERENCE No. 10) AND APPROPRIATION MAP No. 68, PARCEL No. 110. THE CITY OF SYRACUSE HAD NO DEED FOR THIS PARCEL.

WE, BERGMANN ASSOCIATES, INC., DO HEREBY CERTIFY THAT THIS INSTRUMENT SURVEY MAP WAS MADE FROM THE NOTES OF AN INSTRUMENT SURVEY PERFORMED BETWEEN 12/23/03 & 1/10/05 AND FROM THE REFERENCES LISTED HEREON.
Kevin M. Sullivan 11/22/06
KEVIN M. SULLIVAN L.S. No. 049963 DATE

LEGEND

- REBAR FOUND
- IRON PIPE FOUND
- CONCRETE MONUMENT FOUND
- FENCE LINE
- EASEMENT LINE
- PERIMETER PROPERTY LINE
- PROPOSED SUBDIVISION LINE
- PREVIOUS SUBDIVISION LINE BETWEEN LOT 1 AND LOT 2
- RIGHT-OF-WAY LINE
- PROPOSED WATER EASEMENT
- PROPOSED SANITARY EASEMENT
- PROPOSED GAS EASEMENT
- PROPOSED ACCESS/UTILITY EASEMENT

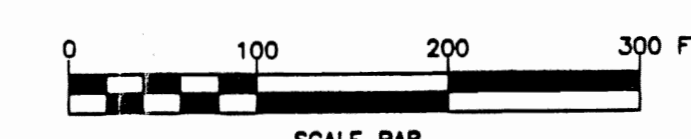


FIGURE 4

ISTD LAYOUT PLAN

APPENDICES

**APPENDIX A –
QUARTERLY GROUNDWATER
QUALITY SUMMARY**

Pioneer Midler Avenue LLC

Summary of Groundwater VOC Data

Parameter	Units	NYSDEC GA		MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D
Sample Date		Std	Guid	01/31/05	5/2/2006	08/23/07	02/12/08	06/02/08	10/06/08	12/23/08	03/02/09	06/02/09	09/30/09	12/21/09
Chloromethane	ug/l			10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/l			10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	ug/l	2		10 U	50 U	10 U	10 U	10 U	0.15 J	10 U	0.19 J	0.19 J	0.15 J	0.28 J
Chloroethane	ug/l	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	ug/l	5		10 U	50 U	10 U	10 U	10 U	0.19 U	10 U	10 U	0.13 U	0.28 JB	0.32 JB
Acetone	ug/l		50	10 U	50 U	10 U	10 U	10 U	0.39 U	10 U	1 U	0.38 U	0.55 JB	0.41 JB
Carbon disulfide	ug/l	60		10 U	50 U	10 U	10 U	10 U	0.17 U	10 U	10 U	0.66 J	0.26 J	0.75 J
1,1-Dichloroethene	ug/l	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/l	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/l	7		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/l	0.6		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
MEK(2-Butanone)	ug/l		50	15	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/l	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	ug/l	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/l		50	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/l	1		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/l	0.4		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/l	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/l	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/l	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/l	1		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/l	0.4		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/l		50	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
MIBK(4-Methyl-2-pentanone)	ug/l			10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/l		50	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/l	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/l	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U	0.13 U	10 U	0.11 U	10 U
1,1,2,2-Tetrachloroethane	ug/l	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/l	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/l	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/l	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Xylenes	ug/l	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	ug/l	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorofluoromethane	ug/l	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Tricloro-1,2,2,-triflouroethane	ug/l	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	ug/l	5		10 U	50 U	10 U	10 U	10 U	0.15 J	10 U	10 U	0.1 J	0.17 J	10 U
Methyl tert butyl ether	ug/l	10		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/l	5		10 U	50 U	2.0 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cyclohexane	ug/l			10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylcyclohexane	ug/l			10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dibromoethane	ug/l			10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene	ug/l	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	ug/l	3		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/l	3		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/l	3		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dibromo-3-chloropropane	ug/l	0.04		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/l	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl acetate	ug/l			10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Notes: - indicates value exceeds Class GA Standard or Guidance level.

Data Qualifiers:
ND - Not Detected, U-undetected,
J or E - Estimated value,
RE - re-extraction, D-Diluted
B-Analyte found in associated blank as well as in the sample.
M- Manual Integrated Compound

Pioneer Midler Avenue LLC

Summary of Groundwater VOC Data

Parameter	Units	NYSDEC GA		MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D
Sample Date		Std	Guid	5/3/2006	08/23/07	02/12/08	06/02/08	10/06/08	12/23/08	03/02/09	06/03/09	09/30/09	12/21/09
Chloromethane	ug/l			20 U	10 U	10 U	10 U	0.1 J	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/l			20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	ug/l	2		6 J	6 J	4 J	5 J	4.4 J	4 J	4.4 J	3.3 J	3.4 J	3.1 J
Chloroethane	ug/l	5		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	ug/l	5		20 U	10 U	10 U	10 U	0.19 U	10 U	10 U	0.15 U	0.28 U	0.31 JB
Acetone	ug/l		50	20 U	10 U	0.7 J	2 U	1 U	10 U	10 U	0.41 U	1.7 JB	0.6 JB
Carbon disulfide	ug/l	60		20 U	10 U	10 U	10 U	0.23 U	10 U	10 U	10 U	0.31 J	1.3 J
1,1-Dichloroethene	ug/l	5		20 U	10 U	10 U	10 U	11 U	10 U	10 U	10 U	0.13 J	0.1 J
1,1-Dichloroethane	ug/l	5		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/l	7		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/l	0.6		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
MEK(2-Butanone)	ug/l		50	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/l	5		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	ug/l	5		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/l		50	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/l	1		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/l	0.4		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/l	5		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/l	5		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/l	5		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/l	1		20 U	10 U	10 U	10 U	0.15 J	10 U	0.18 J	0.11 J	0.12 J	0.14 J
trans-1,3-Dichloropropene	ug/l	0.4		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/l		50	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
MIBK(4-Methyl-2-pentanone)	ug/l			20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/l		50	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/l	5		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/l	5		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.14 J	10 U
1,1,2,2-Tetrachloroethane	ug/l	5		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/l	5		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/l	5		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/l	5		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Xylenes	ug/l	5		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	ug/l	5		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorofluoromethane	ug/l	5		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Tricloro-1,2,2,-triflouroethane	ug/l	5		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	ug/l	5		20 U	10 U	10 U	10 U	0.36 J	10 U	0.35 J	0.32 J	0.38 J	0.36 J
Methyl tert butyl ether	ug/l	10		20 U	10 U	10 U	10 U	0.33 J	10 U	0.25 J	0.34 J	0.31 J	0.32 J
cis-1,2-Dichloroethene	ug/l	5		9 J	6 J	5 J	5 J	4.3 J	4 J	4.4 J	3.2 J	3.5 J	3.5 J
Cyclohexane	ug/l			20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylcyclohexane	ug/l			20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dibromoethane	ug/l			20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene	ug/l	5		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	ug/l	3		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/l	3		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/l	3		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dibromo-3-chloropropane	ug/l	0.04		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/l	5		20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl acetate	ug/l			20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Notes: - indicates value exceeds Class GA Standard or Guidance level.

Data Qualifiers:
ND - Not Detected, U-undetected,
J or E - Estimated value,
RE - re-extraction, D-Diluted
B-Analyte found in associated blank as well as in the sample.
M- Manual Integrated Compound

Pioneer Midler Avenue LLC

Summary of Groundwater VOC Data

Parameter	Units	NYSDEC GA		MW-10D DL	MW-10D	MW-10D DL	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D
Sample Date		Std	Guid	01/31/05	05/02/06	05/02/06	08/23/07	02/12/08	06/02/08	10/06/08	12/23/08	03/02/09	06/02/09	09/30/09	12/21/09
Chloromethane	ug/l			80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
Bromomethane	ug/l			80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
Vinyl chloride	ug/l	2		32 DJ	60 J	58 D	78	96	82	160	76	170	160	180	170
Chloroethane	ug/l	5		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
Methylene chloride	ug/l	5		80 U	10 U	40 U	2 J	20 U	20 U	0.16 U	20 U	0.11 U	1 U	2.2 JB	0.86 JB
Acetone	ug/l		50	80 U	10 U	40 U	20 U	20 U	2 U	0.74 U	20 U	0.68 U	1.8 U	1.5 JB	1.6 JB
Carbon disulfide	ug/l	60		80 U	10 U	40 U	20 U	20 U	20 U	0.49 U	20 U	10 U	0.72 U	0.61 J	3.5 J
1,1-Dichloroethene	ug/l	5		80 U	10 U	40 U	28	20 U	20 U	0.33 J	20 U	0.65 J	0.43 J	0.56 J	0.41 J
1,1-Dichloroethane	ug/l	5		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
Chloroform	ug/l	7		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
1,2-Dichloroethane	ug/l	0.6		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
MEK(2-Butanone)	ug/l		50	80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
1,1,1-Trichloroethane	ug/l	5		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
Carbon tetrachloride	ug/l	5		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
Bromodichloromethane	ug/l		50	80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
1,2-Dichloropropane	ug/l	1		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
cis-1,3-Dichloropropene	ug/l	0.4		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
Trichloroethene	ug/l	5		80 U	2 J	40 U	20 U	1 J	2 J	1.1 J	1 J	0.69 J	0.41 J	0.53 J	0.59 J
Dibromochloromethane	ug/l	5		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
1,1,2-Trichloroethane	ug/l	5		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
Benzene	ug/l	1		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
trans-1,3-Dichloropropene	ug/l	0.4		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
Bromoform	ug/l		50	80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
MIBK(4-Methyl-2-pentanone)	ug/l			80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
2-Hexanone	ug/l		50	80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
Tetrachloroethene	ug/l	5		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
Toluene	ug/l	5		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	0.14 U	20 U	0.21 J	0.22 J
1,1,2,2-Tetrachloroethane	ug/l	5		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
Chlorobenzene	ug/l	5		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
Ethylbenzene	ug/l	5		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
Styrene	ug/l	5		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
Total Xylenes	ug/l	5		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
Dichlorodifluoromethane	ug/l	5		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
Trichlorofluoromethane	ug/l	5		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
1,1,2-Tricloro-1,2,2,-triflouroethane	ug/l	5		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
trans-1,2-Dichloroethene	ug/l	5		46 DJ	25	22 DJ	25	16 J	19 J	13	25	18	14 J	13 J	12 J
Methyl tert butyl ether	ug/l	10		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
cis-1,2-Dichloroethene	ug/l	5		700 D	420	420 D	220	200	320	190	340	200	220	280	200
Cyclohexane	ug/l			80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
Methylcyclohexane	ug/l			80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
1,2-Dibromoethane	ug/l			80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
Isopropylbenzene	ug/l	5		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
1,3-Dichlorobenzene	ug/l	3		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
1,4-Dichlorobenzene	ug/l	3		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
1,2-Dichlorobenzene	ug/l	3		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
1,2-Dibromo-3-chloropropane	ug/l	0.04		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	ug/l	5		80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U
Methyl acetate	ug/l			80 U	10 U	40 U	20 U	20 U	20 U	10 U	20 U	10 U	20 U	20 U	20 U

Notes: - indicates value exceeds Class GA Standard or Guidance level.

Data Qualifiers:
ND - Not Detected, U-undetected,
J or E - Estimated value,
RE - re-extraction, D-Diluted
B-Analyte found in associated blank as well as in the sample.
M- Manual Integrated Compound

Pioneer Midler Avenue LLC

Summary of Groundwater VOC Data

Parameter	Units	NYSDEC GA		MW-13D DL	MW-13D RE	MW-13D	MW-13D	MW-13D DL	MW-13D	MW-13D DL	MW-13D	MW-13D DL
Sample Date		Std	Guid	05/03/06	05/03/06	04/11/07	07/20/07	07/20/07	08/23/07	08/23/07	10/11/07	10/11/07
Chloromethane	ug/l			100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
Bromomethane	ug/l			100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
Vinyl chloride	ug/l	2		900 D	720 J	2,000	9,500 E	7,200	13,000 E	16,000 D	650 EJ	21,000
Chloroethane	ug/l	5		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
Methylene chloride	ug/l	5		100 U	50 U	32 B	2.6 JB	800 U	14 J	1,000 U	10 U	49 U
Acetone	ug/l		50	100 U	50 U	5,000	24 J	130 J	22 J	1,000 U	10 U	2,000 U
Carbon disulfide	ug/l	60		100 U	50 U	40 U	14 J	800 U	100 U	1,000 U	9 J	2,000 U
1,1-Dichloroethene	ug/l	5		100 U	50 U	40 U	5.3 J	110 J	100 U	1,000 U	10 U	2,000 U
1,1-Dichloroethane	ug/l	5		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
Chloroform	ug/l	7		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
1,2-Dichloroethane	ug/l	0.6		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
MEK(2-Butanone)	ug/l		50	100 U	50 U	1,300	50 U	800 U	100 U	1,000 U	10 U	2,000 U
1,1,1-Trichloroethane	ug/l	5		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
Carbon tetrachloride	ug/l	5		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
Bromodichloromethane	ug/l		50	100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
1,2-Dichloropropane	ug/l	1		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
cis-1,3-Dichloropropene	ug/l	0.4		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	560 J
Trichloroethene	ug/l	5		100 U	50 U	40 U	91	98 J	100 U	1,000 U	10 U	2,000 U
Dibromochloromethane	ug/l	5		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
1,1,2-Trichloroethane	ug/l	5		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
Benzene	ug/l	1		100 U	50 U	37 J	16 J	15 J	100 U	1,000 U	8 J	2,000 U
trans-1,3-Dichloropropene	ug/l	0.4		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
Bromoform	ug/l		50	100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
MIBK(4-Methyl-2-pentanone)	ug/l			100 U	50 U	170 J	23 J	800 U	44 J	1,000 U	14	2,000
2-Hexanone	ug/l		50	100 U	50 U	200 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
Tetrachloroethene	ug/l	5		36 B	50 U	40 U	160	160 J	100 U	1,000 U	10 U	2,000 U
Toluene	ug/l	5		100 U	50 U	40	18 J	16 J	17 J	1,000 U	10 U	2,000 U
1,1,2,2-Tetrachloroethane	ug/l	5		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
Chlorobenzene	ug/l	5		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
Ethylbenzene	ug/l	5		100 U	50 U	40 U	0.86 J	800 U	100 U	1,000 U	1 J	2,000 U
Styrene	ug/l	5		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
Total Xylenes	ug/l	5		100 U	50 U	120 U	4.8 J	800 U	100 U	1,000 U	7 J	2,000 J
Dichlorodifluoromethane	ug/l	5		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	310 EJ	2,000 EJ
Trichlorofluoromethane	ug/l	5		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
1,1,2-Tricloro-1,2,2,-triflouroethane	ug/l	5		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
trans-1,2-Dichloroethene	ug/l	5		13 DJ	13 J	95	150	93 J	93 J	1,000 U	60	2,000
Methyl tert butyl ether	ug/l	10		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
cis-1,2-Dichloroethene	ug/l	5		750 D	630	980	3,400 E	3,200	1,600	1,700 D	10 D	2,000 D
Cyclohexane	ug/l			100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
Methylcyclohexane	ug/l			100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
1,2-Dibromoethane	ug/l			100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
Isopropylbenzene	ug/l	5		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	0.23 JM	2,000 JM
1,3-Dichlorobenzene	ug/l	3		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
1,4-Dichlorobenzene	ug/l	3		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
1,2-Dichlorobenzene	ug/l	3		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
1,2-Dibromo-3-chloropropane	ug/l	0.04		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
1,2,4-Trichlorobenzene	ug/l	5		100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	10 U	2,000 U
Methyl acetate	ug/l			100 U	50 U	40 U	50 U	800 U	100 U	1,000 U	5 J	2,000 J

Notes: - indicates value exceeds Class GA Standard or Guidance level.

Data Qualifiers:
ND - Not Detected, U-undetected,
J or E - Estimated value,
RE - re-extraction, D-Diluted
B-Analyte found in associated blank as well as in the sample.
M- Manual Integrated Compound

Pioneer Midler Avenue LLC

Summary of Groundwater VOC Data

Parameter	Units	NYSDEC GA		MW-13D	MW-13D	MW-13D DL	MW-13D	MW-13D DL	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D
Sample Date		Std	Guid	02/12/08	06/02/08	06/02/08	10/06/08	10/06/08	12/23/08	03/02/09	06/02/09	09/30/09	12/21/09
Chloromethane	ug/l			200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
Bromomethane	ug/l			200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
Vinyl chloride	ug/l	2		3100	450 E	380 D	290 J	270 J	150 J	570	1600	580	760
Chloroethane	ug/l	5		200 U	3 J	200 U	10 U	20 U	200 U	15 J	100 U	50 U	50 U
Methylene chloride	ug/l	5		13 J	20 U	200 U	0.2 U	1.2 U	200 U	4.3 U	17 U	8.8 JB	2.2 JB
Acetone	ug/l		50	200 U	6 U	200 U	5.5 J	20 U	200 U	23 JB	12 U	7.5 JB	6.3 JB
Carbon disulfide	ug/l	60		200 U	20 U	200 U	0.7 U	1.0 U	200 U	200 U	3.5 J	1.9 J	9.5 J
1,1-Dichloroethene	ug/l	5		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
1,1-Dichloroethane	ug/l	5		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
Chloroform	ug/l	7		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
1,2-Dichloroethane	ug/l	0.6		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
MEK(2-Butanone)	ug/l		50	200 U	2 J	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
1,1,1-Trichloroethane	ug/l	5		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
Carbon tetrachloride	ug/l	5		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
Bromodichloromethane	ug/l		50	200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
1,2-Dichloropropane	ug/l	1		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
cis-1,3-Dichloropropene	ug/l	0.4		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
Trichloroethene	ug/l	5		200 U	20 U	200 U	0.17 J	20 U	200 U	200 U	100 U	50 U	50 U
Dibromochloromethane	ug/l	5		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
1,1,2-Trichloroethane	ug/l	5		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
Benzene	ug/l	1		200 U	6 J	200 U	5.5 J	5.0 J	200 U	4.9 J	4 J	3.7 J	4.1 J
trans-1,3-Dichloropropene	ug/l	0.4		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
Bromoform	ug/l		50	200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
MIBK(4-Methyl-2-pentanone)	ug/l			200 U	2 J	200 U	4.3 J	3.7 J	200 U	200 U	4.2 J	50 U	2.1 J
2-Hexanone	ug/l		50	200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
Tetrachloroethene	ug/l	5		200 U	20 U	200 U	10 U	20 U	200 U	1.3 U	100 U	50 U	50 U
Toluene	ug/l	5		10 J	6 J	200 U	9.2 J	9.2 J	200 U	12 J	13 J	7.9 J	5.8 J
1,1,2,2-Tetrachloroethane	ug/l	5		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
Chlorobenzene	ug/l	5		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
Ethylbenzene	ug/l	5		200 U	20 U	200 U	0.49 J	0.42 J	200 U	0.88 J	100 U	50 U	50 U
Styrene	ug/l	5		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
Total Xylenes	ug/l	5		200 U	20 U	200 U	2.6 J	2.3 J	200 U	2.6 U	1.5 J	1.3 J	2.3 J
Dichlorodifluoromethane	ug/l	5		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
Trichlorofluoromethane	ug/l	5		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
1,1,2-Tricloro-1,2,2,-triflouroethane	ug/l	5		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
trans-1,2-Dichloroethene	ug/l	5		36 J	9 J	200 U	10	9.9 J	200 U	6.8 J	7.2 J	8.2 J	11 J
Methyl tert butyl ether	ug/l	10		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
cis-1,2-Dichloroethene	ug/l	5		430	39	39 DJ	38	36	50 J	86	81 J	61	120
Cyclohexane	ug/l			200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
Methylcyclohexane	ug/l			200 U	3 J	200 U	4.7 J	4 J	200 U	4.7 J	100 U	50 U	2.5 J
1,2-Dibromoethane	ug/l			200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
Isopropylbenzene	ug/l	5		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
1,3-Dichlorobenzene	ug/l	3		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
1,4-Dichlorobenzene	ug/l	3		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
1,2-Dichlorobenzene	ug/l	3		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
1,2-Dibromo-3-chloropropane	ug/l	0.04		200 U	20 U	200 U	10 U	20 U	200 U	200 U	100 U	50 U	50 U
1,2,4-Trichlorobenzene	ug/l	5		200 U	20 U	200 U	10 U	20 U	200 U	0.83 U	100 U	50 U	50 U
Methyl acetate	ug/l			200 U	20 U	200 U	3.3 J	1.7 J	200 U	200 U	100 U	50 U	50 U

Notes: - indicates value exceeds Class GA Standard or Guidance level.

Data Qualifiers:
ND - Not Detected, U-undetected,
J or E - Estimated value,
RE - re-extraction, D-Diluted
B-Analyte found in associated blank as well as in the sample.
M- Manual Integrated Compound

Pioneer Midler Avenue LLC

Summary of Groundwater VOC Data

Parameter	Units	NYSDEC GA		MW-14D DL	MW-14D	MW-14D	MW-14D	MW-14D	MW-14D	MW-14D	MW-14D
Sample Date		Std	Guid	02/12/08	06/02/08	10/06/08	12/23/08	03/02/09	06/02/09	09/30/09	12/21/09
Chloromethane	ug/l			1000 U	1000 U	50 U	400 U	10 U	10 U	0.47 J	10 U
Bromomethane	ug/l			1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
Vinyl chloride	ug/l	2		12000 D	12000	530	400 U	4.5 J	5.4 J	3.7 J	3.1 J
Chloroethane	ug/l	5		1000 U	1000 U	50 U	400 U	3.7 J	10 U	10 U	10 U
Methylene chloride	ug/l	5		70 DJ	1000 U	3.2 U	83 J	0.19 U	0.12 U	0.27 JB	0.35 JB
Acetone	ug/l		50	2100 D	8000 J	840	170 J	7.8 JB	120 J	2.6 JB	2.4 JB
Carbon disulfide	ug/l	60		1000 U	1000 U	2.7 U	400 U	10 U	10 U	19	2.6 J
1,1-Dichloroethene	ug/l	5		1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/l	5		1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
Chloroform	ug/l	7		1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/l	0.6		1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
MEK(2-Butanone)	ug/l		50	680 DJ	2100 J	290	56 J	2.5 J	10 U	10 U	0.72 J
1,1,1-Trichloroethane	ug/l	5		1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	ug/l	5		1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/l		50	1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/l	1		1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/l	0.4		1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/l	5		110 DJ	1000 U	50 U	400 U	10 U	0.13 J	0.24 J	0.35 J
Dibromochloromethane	ug/l	5		1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/l	5		1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
Benzene	ug/l	1		1000 U	1000 U	5.8 J	400 U	3 J	3.6 J	2.7 J	2.9 J
trans-1,3-Dichloropropene	ug/l	0.4		1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
Bromoform	ug/l		50	1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
MIBK(4-Methyl-2-pentanone)	ug/l			1000 U	1000 U	17 J	400 U	5.5 J	2.8 J	1.4 J	10 U
2-Hexanone	ug/l		50	1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/l	5		1000 U	1000 U	50 U	400 U	0.28 U	10 U	10 U	10 U
Toluene	ug/l	5		1000 U	1000 U	24 J	400 U	14	17	14	15
1,1,2,2-Tetrachloroethane	ug/l	5		1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/l	5		1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/l	5		1000 U	1000 U	2.3 J	400 U	1.4 J	1.4 J	0.99 J	1.3 J
Styrene	ug/l	5		1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
Total Xylenes	ug/l	5		1000 U	1000 U	10 J	400 U	6.3 JB	6.9 J	4.9 J	6.2 J
Dichlorodifluoromethane	ug/l	5		1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
Trichlorofluoromethane	ug/l	5		1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
1,1,2-Tricloro-1,2,2,-triflouroethane	ug/l	5		1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	ug/l	5		560 DJ	1200	270	150 J	21	13	6.9 J	4 J
Methyl tert butyl ether	ug/l	10		1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/l	5		1000 D	1000 U	50 U	400 U	10 U	0.12 J	0.18 J	0.29 J
Cyclohexane	ug/l			1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
Methylcyclohexane	ug/l			1000 U	1000 U	50 U	400 U	0.83 J	0.75 J	10 U	0.63 J
1,2-Dibromoethane	ug/l			1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
Isopropylbenzene	ug/l	5		1000 U	1000 U	50 U	400 U	10 U	0.11 J	10 U	10 U
1,3-Dichlorobenzene	ug/l	3		1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/l	3		1000 U	1000 U	50 U	400 U	0.3 J	0.14 J	10 U	10 U
1,2-Dichlorobenzene	ug/l	3		1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
1,2-Dibromo-3-chloropropane	ug/l	0.04		1000 U	1000 U	50 U	400 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/l	5		1000 U	1000 U	50 U	400 U	0.32 U	10 U	10 U	10 U
Methyl acetate	ug/l			1000 U	1000 U	30 J	400 U	10 U	10 U	6.3 J	10 U

Notes: - indicates value exceeds Class GA Standard or Guidance level.

Data Qualifiers:
ND - Not Detected, U-undetected,
J or E - Estimated value,
RE - re-extraction, D-Diluted
B-Analyte found in associated blank as well as in the sample.
M- Manual Integrated Compound

Pioneer Midler Avenue LLC

Summary of Groundwater VOC Data

Parameter	Units	NYSDEC GA		MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D
Sample Date		Std	Guid	02/12/08	06/02/08	10/06/08	12/23/08	03/02/09	06/02/09	09/30/09	12/21/09
Chloromethane	ug/l			40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/l			40 U	40 U	0.32 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	ug/l	2		40 U	40 U	2.7 J	10 U	2.6 J	2.3 J	1.9 J	1.9 J
Chloroethane	ug/l	5		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	ug/l	5		4 J	4 U	0.16 U	10 U	10 U	0.11 U	0.28 JB	0.34 JB
Acetone	ug/l		50	5 J	40 U	1 U	10 U	10 U	1.6 U	1.6 JB	0.72 JB
Carbon disulfide	ug/l	60		40 U	40 U	0.35 U	10 U	10 U	1.1 J	3.8 J	1.3 J
1,1-Dichloroethene	ug/l	5		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/l	5		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/l	7		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/l	0.6		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
MEK(2-Butanone)	ug/l		50	40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/l	5		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	ug/l	5		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/l		50	40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/l	1		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/l	0.4		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/l	5		40 U	40 U	10 U	10 U	0.25 J	0.21 J	0.2 J	0.23 J
Dibromochloromethane	ug/l	5		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/l	5		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/l	1		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/l	0.4		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/l		50	40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
MIBK(4-Methyl-2-pentanone)	ug/l			40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/l		50	40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/l	5		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/l	5		40 U	40 U	0.11 U	10 U	0.12 U	10 U	0.15 J	10 U
1,1,2,2-Tetrachloroethane	ug/l	5		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/l	5		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/l	5		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/l	5		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Xylenes	ug/l	5		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	ug/l	5		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichlorofluoromethane	ug/l	5		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Tricloro-1,2,2,-triflouroethane	ug/l	5		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	ug/l	5		40 U	40 U	0.67 J	10 U	1.1 J	1.2 J	1.2 J	1.2 J
Methyl tert butyl ether	ug/l	10		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/l	5		6 J	4 J	4.1 J	10 U	4.9 J	4.4 J	4.4 J	4.4 J
Cyclohexane	ug/l			40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylcyclohexane	ug/l			40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dibromoethane	ug/l			40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene	ug/l	5		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	ug/l	3		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/l	3		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/l	3		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dibromo-3-chloropropane	ug/l	0.04		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/l	5		40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl acetate	ug/l			40 U	40 U	10 U	10 U	10 U	10 U	10 U	10 U

Notes: - indicates value exceeds Class GA Standard or Guidance level.

Data Qualifiers:
ND - Not Detected, U-undetected,
J or E - Estimated value,
RE - re-extraction, D-Diluted
B-Analyte found in associated blank as well as in the sample.
M- Manual Integrated Compound

Pioneer Midler Avenue LLC

Summary of Groundwater VOC Data

Parameter	Units	NYSDEC GA		MW-16D	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D
Sample Date		Std	Guid	02/12/08	06/02/08	10/06/08	12/23/08	03/02/09	06/02/09	09/30/09	12/21/09
Chloromethane	ug/l			400 U	400 U	10 U	200 U	10 U	10 U	1.9 J	10 U
Bromomethane	ug/l			400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
Vinyl chloride	ug/l	2		190 J	400 U	1.6 J	200 U	1.9 J	1.6 J	1.9 J	1.9 J
Chloroethane	ug/l	5		400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
Methylene chloride	ug/l	5		31 J	33 J	0.15 U	200 U	10 U	0.12 U	0.25 JB	0.3 JB
Acetone	ug/l		50	81 J	400 U	10 U	200 U	1 U	1.2 U	10 JB	1.6 JB
Carbon disulfide	ug/l	60		400 U	400 U	0.52 U	200 U	10 U	0.68 J	0.36 J	1.5 J
1,1-Dichloroethene	ug/l	5		400 U	400 U	10 U	200 U	10 U	10 U	10 U	0.12 J
1,1-Dichloroethane	ug/l	5		400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
Chloroform	ug/l	7		400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/l	0.6		400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
MEK(2-Butanone)	ug/l		50	400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/l	5		400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	ug/l	5		400 U	400 U	10 U	200 U	10 U	10 U	0.33 J	10 U
Bromodichloromethane	ug/l		50	400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/l	1		400 U	400 U	10 U	200 U	10 U	10 U	0.12 J	10 U
cis-1,3-Dichloropropene	ug/l	0.4		400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/l	5		400 U	400 U	10 U	200 U	10 U	0.12 J	10 U	0.21 J
Dibromochloromethane	ug/l	5		400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/l	5		400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
Benzene	ug/l	1		400 U	400 U	0.71 J	200 U	0.58 J	0.36 J	10 U	0.36 J
trans-1,3-Dichloropropene	ug/l	0.4		400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
Bromoform	ug/l		50	400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
MIBK(4-Methyl-2-pentanone)	ug/l			400 U	400 U	1.6 J	200 U	10 U	10 U	2.3 J	10 U
2-Hexanone	ug/l		50	400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/l	5		400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
Toluene	ug/l	5		400 U	400 U	4.9 J	200 U	3.7 J	3 J	10 U	2 J
1,1,2,2-Tetrachloroethane	ug/l	5		400 U	400 U	10 U	200 U	10 U	10 U	0.64 J	10 U
Chlorobenzene	ug/l	5		400 U	400 U	10 U	200 U	10 U	10 U	0.2 J	0.2 J
Ethylbenzene	ug/l	5		400 U	400 U	0.35 J	200 U	0.37 J	0.22 J	10 U	0.2 J
Styrene	ug/l	5		400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
Total Xylenes	ug/l	5		400 U	400 U	1.3 J	200 U	1 JB	0.9 J	0.31 J	0.59 J
Dichlorodifluoromethane	ug/l	5		400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
Trichlorofluoromethane	ug/l	5		400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
1,1,2-Triclolo-1,2,2,-triflouroethane	ug/l	5		400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
trans-1,2-Dichloroethene	ug/l	5		30 J	400 U	1.6 J	200 U	2.5 J	2.7 J	10 U	2.9 J
Methyl tert butyl ether	ug/l	10		400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	ug/l	5		64 J	400 U	0.29 J	200 U	10 U	0.13 J	2.8 J	0.3 J
Cyclohexane	ug/l			400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
Methylcyclohexane	ug/l			400 U	400 U	10 U	200 U	10 U	10 U		10 U
1,2-Dibromoethane	ug/l			400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
Isopropylbenzene	ug/l	5		400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	ug/l	3		400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/l	3		400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/l	3		400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
1,2-Dibromo-3-chloropropane	ug/l	0.04		400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/l	5		400 U	400 U	10 U	200 U	10 U	10 U	0.33 J	10 U
Methyl acetate	ug/l			400 U	400 U	10 U	200 U	10 U	10 U	10 U	10 U

Notes: - indicates value exceeds Class GA Standard or Guidance level.

Data Qualifiers:
ND - Not Detected, U-undetected,
J or E - Estimated value,
RE - re-extraction, D-Diluted
B-Analyte found in associated blank as well as in the sample.
M- Manual Integrated Compound

APPENDIX A-1

MONITORED NATURAL ATTENTION

Pioneer Midler Avenue LLC
Monitoring Natural Attenuation
Water Quality Parameters

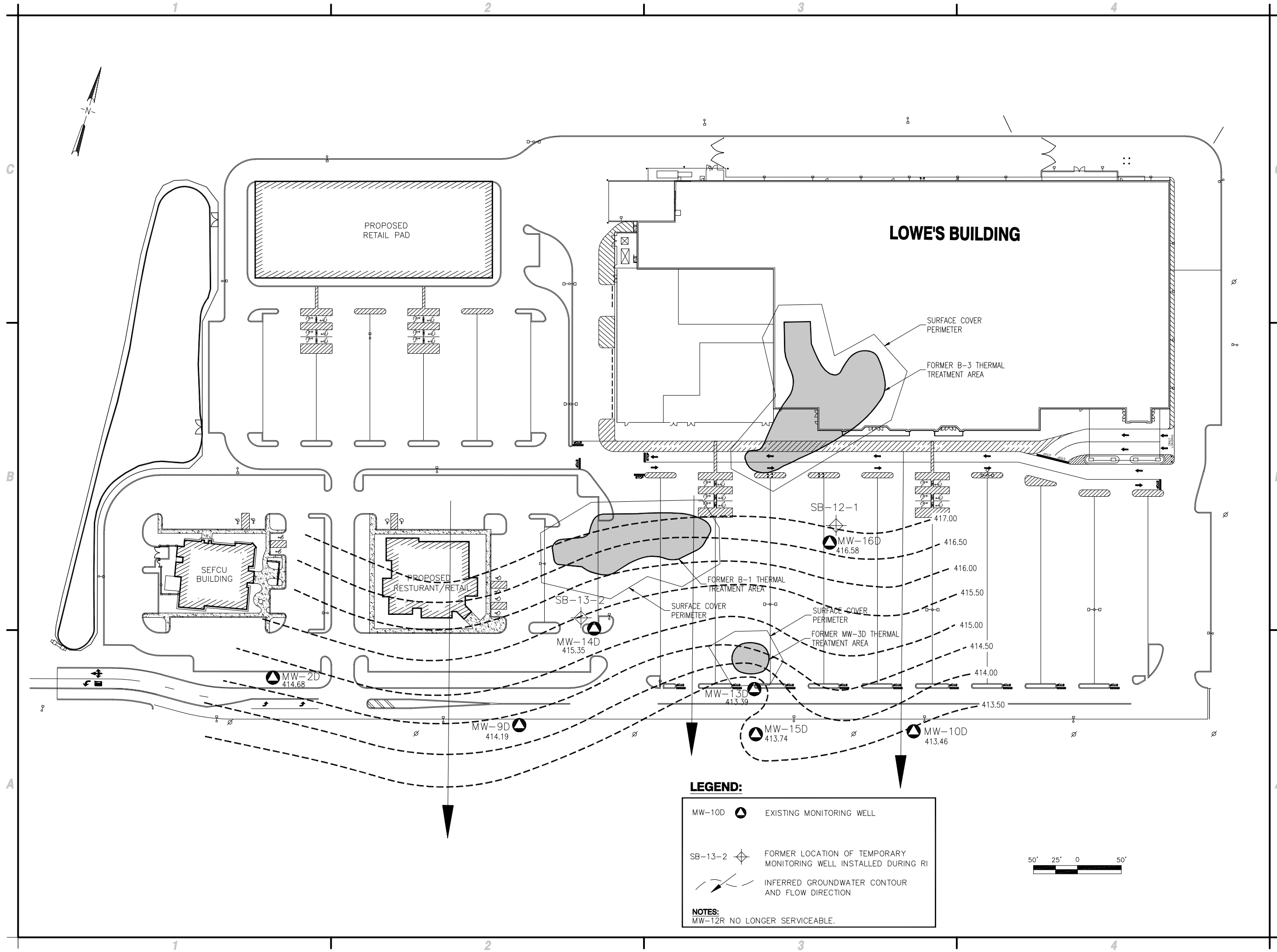
Parameter	Units	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D	MW-9D
Sample Date		02/12/08	06/02/08	10/06/08	12/23/08	03/02/09	06/02/09	09/30/09	12/21/09	02/12/08	06/02/08	10/06/08	12/23/08	03/02/09	06/02/09	09/30/09	12/21/09
Field Parameters																	
pH		6.62	7.01	7.00	7.06	7.20	7.42	6.66	7.12	6.53	6.72	6.86	6.96	7.05	6.99	6.69	6.77
Conductivity	S/m	3.25	3.49	3.19	3.40	3.50	5.38	3.15	3.51	2.63	2.70	2.11	2.70	2.67	4.29	2.66	3.11
Temperature	°F	51.08	55.31	57.81	53.82	49.82	55.96	57.38	53.61	47.48	54.16	60.46	52.81	46.27	52.25	57.97	53.96
Oxidation/Reduction Potential (ORP)	mV	-325	-268	-273	-249	-286	-245	-192	-318	-356	-325	-352	-338	-349	-327	-377	-380
Dissolved Oxygen	mg/L	0.0	0.0	0.66	0.0	0.0	0.0	0.0	7.7	0.0	0.0	0.74	4.56	0.0	0.0	0.0	0.0
Laboratory Analytical Parameters																	
Dissolved Inorganic Carbon	mg/L	110	69	92	81	77	81	47.7	49.8	130	89	110	110	120	110	74	57
Dissolved Organic Carbon	mg/L	11	3.10	1.60	2.40	1.10	1.50	4.22	2.90	8	6.20	1.60	5.60	3.20	3.50	4.49	6.10
Iron (total)	mg/L	0.128	0.094	0.233	0.339	0.32	0.501	0.023	0.176	0.123	<0.05	<0.05	0.68	0.06	0.029	21	0.095
Ferric Iron	mg/L	<0.10	<0.10	<0.10	<0.10	-0.036	0.293	<0.10	<0.10	0.12	<0.10	<0.10	0.68	0.00008	NR	<0.10	0.0946
Ferrous Iron	mg/L	0.19	0.12	0.19	0.31	0.36	0.208	<0.10	<0.10	<0.10	<0.10	0.19	<0.10	0.062	<.015	<0.10	<0.10
Nitrite-Nitrate as Nitrogen	mg/L	NS	NS	<0.060	<0.060	NS	<0.02	NS	NS	NS	NS	<0.060	<0.060	NS	<0.02	NS	NS
Nitrate as Nitrogen	mg/L	NS	NS	NS	NS	<0.1	NS	<0.05	<0.05	NS	NS	NS	NS	<0.1	NS	<0.05	<0.05
Sulfate	mg/L	441	435	549	530	630	580	496	589	368	340	549	391	430	380	425	377
Sulfide	mg/L	1.60	2.40	1.60	1.20	0.80	0.80	17.20	0.80	13.20	12.40	1.60	13.60	22.00	17.20	18.40	14.00
Methane	mg/L	1.80	0.35	0.53	0.27	0.33	0.29	0.50	0.37	3.80	2.80	4.10	3.00	3.40	3.20	3.20	2.50
Ethene	mg/L	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01
Ethane	mg/L	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01
Dehalococcoides (Dhc) Enumeration	per liter	ND ⁽²⁾	1 x 10 ⁷	ND ⁽²⁾	7 x 10 ^{2(1,2)}	ND ^(2,3)	ND ^(2,3)	1 x 10 ³	1 x 10 ⁴	ND ⁽²⁾	Inconclusive	ND ⁽²⁾	9 x 10 ^{2(1,3)}	ND ^(1,3)	4 x 10 ³	NA	3 x 10 ⁴
% Dhc		NA	0.3 - 0.8	NA	.00007 - .0002	NA	NA	.0003 - .0009	0.003 - 0.008	NA	NA	NA	.00006 - .0002	NA	0.001 - 0.003	NA	0.004 - 0.01
Vinyl Chloride Reductase (vcrA)	per liter	NA	2 x 10 ⁴	NA	Inconclusive	NA	NA	ND ⁽⁴⁾	8 x 10 ³	NA	Inconclusive	NA	4 x 10 ³⁽¹⁾	NA	NA	NA	4 x 10 ⁴
% vcrA		NA	0.003 - 0.008	NA	NA	NA	NA	NA	0.002 - 0.005	NA	NA	NA	0.003 - 0.001	NA	ND ⁽²⁾	NA	0.005 - 0.01

Parameter	Units	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-10D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D
Sample Date		02/12/08	06/02/08	10/06/08	12/23/08	03/02/09	06/02/09	09/30/09	12/21/09	10/11/07	02/12/08	06/02/08	10/06/08	12/23/08	03/02/09	06/02/09	09/30/09	12/21/09
Field Parameters																		
pH		6.36	6.93	6.90	7.03	6.96	7.10	6.67	6.85	7.23	6.80	7.01	7.18	7.21	7.37	7.03	7.22	6.82
Conductivity	S/m	2.07	2.05	2.12	2.20	2.23	3.27	2.16	2.43	2.83	2.78	2.42	3.07	2.71	3.09	4.4	3.12	2.61
Temperature	°F	47.12	54.75	59.14	50.58	48.02	53.55	58.71	49.12	85.6	64.58	70.99	72.14	61.16	55.71	61.48	64.94	59.68
Oxidation/Reduction Potential (ORP)	mV	-297	-338	-342	-329	-341	-309	-346	-374	-324	-400	-334	-369	-350	-408	-377	-403	-409
Dissolved Oxygen	mg/L	0.0	0.0	0.69	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.69	0.0	0.0	0.0	1.5	5.6
Laboratory Analytical Parameters																		
Dissolved Inorganic Carbon	mg/L	120	76	91	85	120	110	71.6	54.7	110	120	75	96	91	130	100	97	20
Dissolved Organic Carbon	mg/L	7.50	2.60	3.20	4.70	5.40	3.20	1.82	4.90	41.00	42.90	36.00	29.40	41.90	35	42.50	48.90	32.70
Iron (total)	mg/L	0.0641	<0.05	<0.05	0.0504	0.084	<0.019	0.11	0.07	1.15	4.26	0.162	0.421	1.26	1.80	5.94	5.89	5.24
Ferric Iron	mg/L	<0.10	<0.10	<0.10	<0.10	-0.013	NR	0.109	<0.10	1.20	4.3	<0.10	<0.10	1.3	1.80	5.95	5.82	4.98
Ferrous Iron	mg/L	<0.10	<0.10	<0.10	<0.10	0.096	<0.015	<0.10	<0.10	<0.05	<0.10	0.13	0.36	<0.10	<0.075	0.08	0.26	
Nitrite-Nitrate as Nitrogen	mg/L	NS	NS	<0.060	<0.060	NS	<0.02	NS	NS	<0.05	NS	NS	<0.060	<0.060	NS	<0.02	NS	NS
Nitrate as Nitrogen	mg/L	NS	NS	NS	NS	<0.1	NS	<0.05	<0.05	NS	NS	NS	NS	NS	<0.1	NS	<0.05	<0.05
Sulfate	mg/L	572	609	621	594	430	640	545	684	<25.0	61.7	60.1	128	129	86	99	53	128
Sulfide	mg/L	8.80	26.80	24.80	25.2	12	19.60	0.80	14.00	0.80	8	27.2	14.4	14.4	13	13.60	9.60	9.60
Methane	mg/L	2.60	0.82	1.10	1.30	6.50	3.30	3.80	1.30	13	13	9.90	14	12	18	16	11	11
Ethene	mg/L	0.06	0.02	0.05	<0.02	<0.10	0.05	0.04	0.03	6.00	9.10	3.90	7.00	3.00	5.30	9.10	4.90	5.50
Ethane	mg/L	<0.02	<0.02	<0.02	<0.02	<0.10	<0.01	<0.01	<0.01	4.60	1.10	0.99	1.90	2.20	3.3	3.1	2.4	2.4
Dehalococcoides (Dhc) Enumeration	per liter	6 x 10 ⁵	9 x 10 ⁵	6 x 10 ⁵	8 x 10 ⁵	4 x 10 ⁶	1 x 10 ⁵	3 x 10 ⁵	2 x 10 ⁷	2 x 10 ⁸	8 x 10 ⁸	7 x 10 ⁵	3 x 10 ⁷	9 x 10 ⁶	6 x 10 ⁷	5 x 10 ⁷	2 x 10 ⁸	3 x 10 ⁸
% Dhc		0.5 - 1.0	0.06 - 0.2	0.03 - 0.1	.08 - 0.2	0.7 - 2	0.2 - 0.7	0.5 - 1	2 - 5	100	13 - 34	0.2 - 0.6	0.5 - 1.0	0.2 - 0.7	5 - 15	3 - 9	8 - 22	7 - 20
Vinyl Chloride Reductase (vcrA)	per liter	2 x 10 ⁷	7 x 10 ⁶	2 x 10 ⁵	4 x 10 ⁶	8 x 10 ⁵	4 x 10 ⁵	7 x 10 ⁷	6 X 10 ⁷	2 x 10 ⁹	8 x 10 ⁷	4 x 10 ⁷	2 x 10 ⁶	4 x 10 ⁷	5 x 10 ⁷	8 x 10 ⁷	4 x 10 ⁸	
% vcrA		1 - 4	0.5 - 1	0.05 - 0.2	0.1 -0.4	0.6 - 2	0.2 - 0.6	0.6 - 2	6 - 17	>93	36 - 75	2 - 6	0.7 - 2	0.1 - 0.4	3 - 10	3 - 9	3 - 10	9 - 24

Parameter	Units	MW-14D	MW-14D	MW-14D	MW-14D	MW-14D	MW-14D	MW-14D	MW-14D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-15D	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D
Sample Date		02/12/08	06/02/08	10/06/08	12/23/08	03/02/09	06/02/09	09/30/09	12/21/09	02/12/08	06/02/08	10/06/08	12/23/08	03/02/09	06/02/09	09/30/09	12/21/09	02/12/08	06/02/08	10/06/08	12/23/08	03/02/09	06/02/09	09/30/09	12/21/10
Field Parameters																									
pH		6.08	6.33	6.35	6.56	6.66	6.58	6.55	6.27	6.42	6.73	6.72	6.97	6.96	6.93	6.61	6.53	6.35	6.68	6.61	6.77	6.89	6.73	6.89	6.56
Conductivity	S/m	7.10	5.57	5.10	4.22	4.36	6.87	4.53	4.90	1.53	2.00	2.12	2.37	1.90	2.96	2.20	2.41	3.75	3.46	4.62	4.34	4.29	6.78	4.79	5.55
Temperature	°F	46.94	59.28	61.88	59.66	57.00	59.94	61.52	60.28	46.76	55.11	58.73	53.31	46.2	54.82	57.65	50.92	56.12	61.32	64.18	59.22	56.64	60.22	62.96	60.51
Oxidation/Reduction Potential (ORP)	mV	-367	-333	-342	-338	-345	-344	-366	-397	-218	-319	-347	-323	-340	-324	-373	-380	-375	-336	-342	-336	-340	-324	-366	-364
Dissolved Oxygen	mg/L	2.18	0.0	0.98	0.0	0.0	0.0	1.6	2.8	4.39	0.0	0.69	0.0	0.0	0.0	0.0	0.0	0.79	0.0	0.84	1.51	0.0	0.0	1.6	0.0
Laboratory Analytical Parameters																									
Dissolved Inorganic Carbon	mg/L	240	220	260	260	290	270	209	206	190	150	130	130	160	160	97.3	104	240	160	150	160	170	140	129	117
Dissolved Organic Carbon	mg/L	570	900	179	181	190	124	95	123	17	11.90	6.30	8.10	5.80	7.20	7.76	10.60	194.00	105.00	45.70	35.00	19.00	16.80	18.10	27.20
Iron (total)	mg/L	1.34	0.152	0.107	0.209	0.14	0.093	0.076	0.048	1.27	0.094	0.135	0.624	0.450	0.11	0.398	0.055	0.338	0.076	0.512	0.094	0.18	0.106	0.031	0.138
Ferric Iron	mg/L	1.30	0.15	0.11	0.21	0.14	NR	0.076	<0.10	1.10	<0.10	<0.10	0.62	0.37	0.11	0.398	<0.10	0.34	<0.10	0.51	<0.10	0.18	0.106	<0.10	0.138
Ferrous Iron	mg/L	<0.10	<0.10	<0.10	<0.50	<0.10	<0.015	<0.10	<0.10	0.14	0.55	<0.10	<0.10	0.084	<0.0150	<0.10	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<0.0150	<0.10	<0.10
Nitrite-Nitrate as Nitrogen	mg/L	NS	NS	<0.060	<0.060	NS	<0.02	NS	NS	NS	NS	<0.060	<0.060	NS	<0.02	NS	NS	NS	NS	<0.060	<0.060	NS	<0.02	NS	NS
Nitrate as Nitrogen	mg/L-N	NS	NS	NS	NS	0.14	NS	<0.50	NS	<0.50	NS	NS	NS	<0.1	NS	<0.05	NS	NS	NS	NS	NS	<0.1	NS	<0.05	<0.05
Sulfate	mg/L	10.50	<2.0	<20.0	<4.0	<100	3.2	8.92	17.8	126	309	637	623	420	380	479	441	10.40	<2.0	<20.0	13.4	24	44	63.4	155
Sulfide	mg/L	62.40	65.60	74.40	69.60	66	73.20	70.80	58.40	4	16.80	17.20	22.40	14	0.80	20.00	16.40	21.60	26.00	36.00	37.20	38.00	33.60	28.40	17.20
Methane	mg/L	11	11	22	25	25	29	28	27	4.10	8.20	11	6.50	15	16	13	17	22	19	27	23	24	27	29	24
Ethene	mg/L	0.48	0.63	2.70	1.9	1.7	2	1.9	1.9	<0.02	<0.10	<0.02	<0.02	<0.10	<0.02	<0.02	<0.02	0.29	<0.10	0.06	<0.10	<0.10	0.1	0.11	<0.10
Ethane	mg/L	<0.10	<0.10	<0.02	<0.10	<0.10	<0.01	<0.10	<0.10	<0.02	<0.10	<0.02	<0.02	<0.10	<0.02	<0.02	<0.02	<0.10	0.18	0.18	0.12	<0.10	<0.10	<0.10	<0.10
Dehalococcoides (Dhc) Enumeration	per liter	1 x 10 ⁹	9 x 10 ⁸	3 x 10 ⁸	7 x 10 ⁷	1 x 10 ⁸	2 x 10 ⁷	2 x 10 ⁷	3 x 10 ⁷	ND ⁽¹⁾	7 x 10 ⁶	ND ⁽²⁾	NA	ND ^(1,3)	1 x 10 ⁵	Inconclusive	1 x 10 ⁴	2 x 10 ⁸	1 x 10 ⁷	1 x 10 ⁷	3 x 10 ⁷	3 x 10 ⁶	1 x 10 ⁶	1 x 10 ⁶	2 x 10 ⁷
% Dhc		17 - 43	27 - 62	7 - 18	3 - 9	6 - 16	1 - 4	1 - 4	2 - 5	NA	0.2 - 0.6	NA	Inconclusive	NA	0.2 - 0.05	NA	0.0008 - 0.002	5 - 14	0.3 - 0.8	0.2 - 0.6	3 - 9	0.5 - 2	0.2 - 0.7	0.3 - 0.9	3 - 9
Vinyl Chloride Reductase (vcrA)	per liter	2 x 10 ⁷	3 x 10 ⁷	2 x 10 ⁸	3 x 10 ⁷	2 x 10 ⁷	2 x 10 ⁶	3 x 10 ⁶	1 x 10 ⁷	NA	Inconclusive	NA	ND ⁽²⁾	NA	1 x 10 ⁴	Inconclusive	4 x 10 ⁴	2 x 10 ⁸	3 x 10 ⁷	6 x 10 ⁶	2 x 10 ⁶	9 x 10 ⁵	5 x 10 ⁵	3 x 10 ⁵	3 x 10 ⁶
% vcrA		0.5 - 2	0.9 - 3	4 - 11	1 - 4	1 - 3	0.2 - 0.5	0.2 - 0.7	0.7 - 2	NA	NA	ND ⁽²⁾	NA	NA	0.001 - 0.004	NA	0.003 - 0.008	5 - 14	0.8 - 2	0.1 - 0.4	0.1 - 0.4	0.1 - 0.4	0.08 - 0.3	0.06 - 0.2	0.4 - 1

APPENDIX A-2

QUARTERLY GROUNDWATER CONTOUR MAPS 2009



LEGEND:

- MW-10D EXISTING MONITORING WELL
- SB-13-2 FORMER LOCATION OF TEMPORARY MONITORING WELL INSTALLED DURING RI
- INFERRED GROUNDWATER CONTOUR AND FLOW DIRECTION

NOTES:
MW-12R NO LONGER SERVICEABLE.



C&S Engineers, Inc.
499 Col. Eileen Collins Blvd.
Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

**PIONEER MIDLER AVENUE, LLC
POST IRM MONITORING
MIDLER CITY
INDUSTRIAL PARK
BROWNFIELD CLEANUP
SYRACUSE, NY
NYSDEC BROWNFIELD SITE No. C734103**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO:		
DATE:		MARCH 2008
SCALE:		AS SHOWN
DRAWN BY:		B. BUCKINGHAM
DESIGNED BY:		
CHECKED BY:		
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

**MARCH 2, 2009
GROUNDWATER
CONTOUR MAP**

Apr 21, 2010 - 2:56pm
\\dec2eng\Project\081 - Pioneer Development\081.006.001\Post - Irm - Gw Monitoring\Calendar Year 2009 PRR Calendar Year 2009 Periodic Refigure 1 23MAR09.dwg



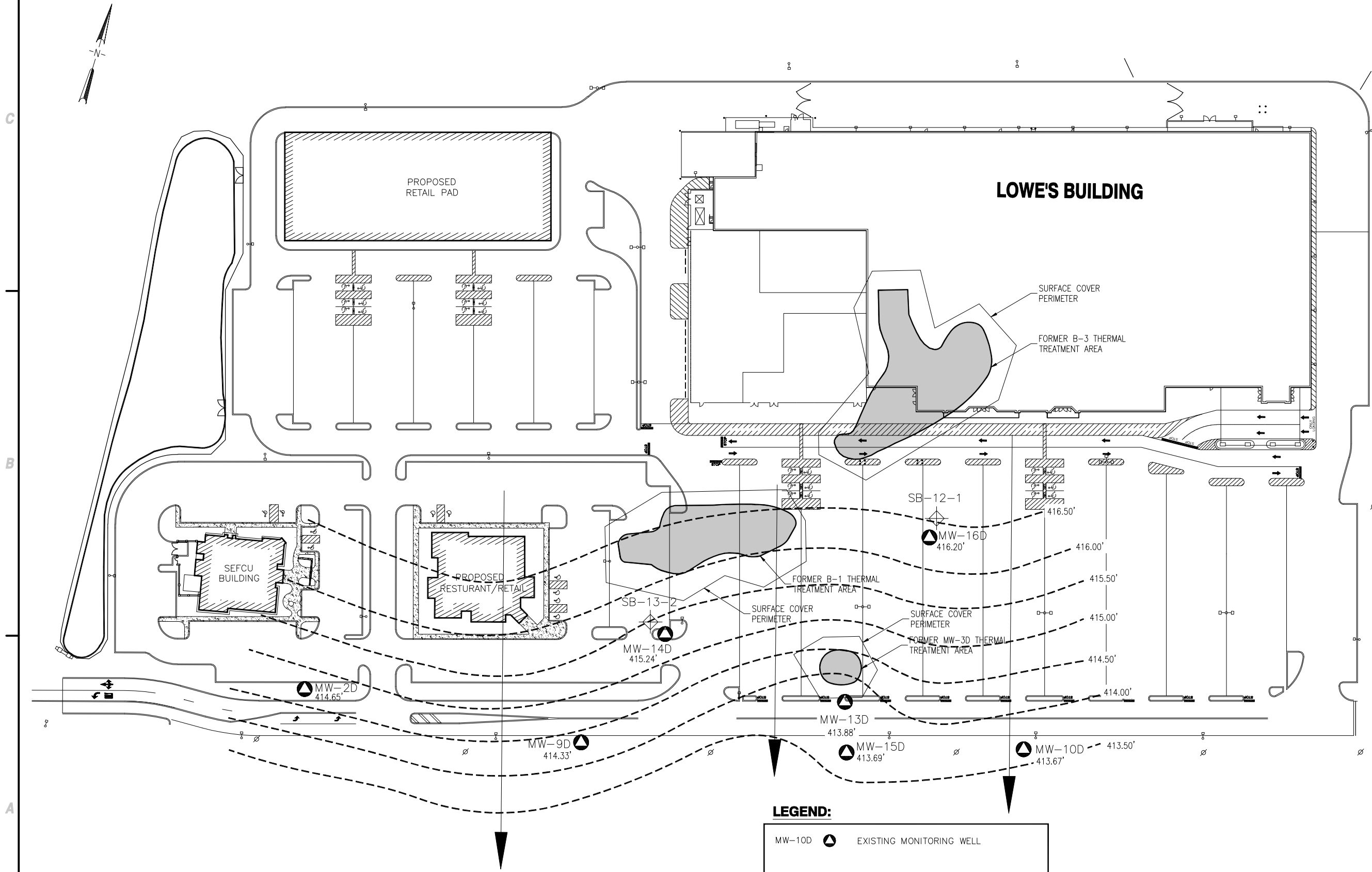
C&S Engineers, Inc.
499 Col. Eileen Collins Blvd.
Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

PIONEER MIDLER AVENUE, LLC
POST IRM MONITORING
MIDLER CITY
INDUSTRIAL PARK
BROWNFIELD CLEANUP
SYRACUSE, NY
NYSDEC BROWNFIELD SITE No. C734103

Apr 21, 2010 - 2:56pm
\\dec2eng\Project\081 - Pioneer Development\081.006.001\Post IRM GW Monitoring\Calendar Year 2009 PRR\Calendar Year 2009 Periodic Refigure 1 28JUL09.dwg

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO:		
DATE:		JULY 2009
SCALE:		AS SHOWN
DRAWN BY:		B. BUCKINGHAM
DESIGNED BY:		
CHECKED BY:		
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

JUNE 2, 2009
GROUNDWATER
CONTOUR MAP

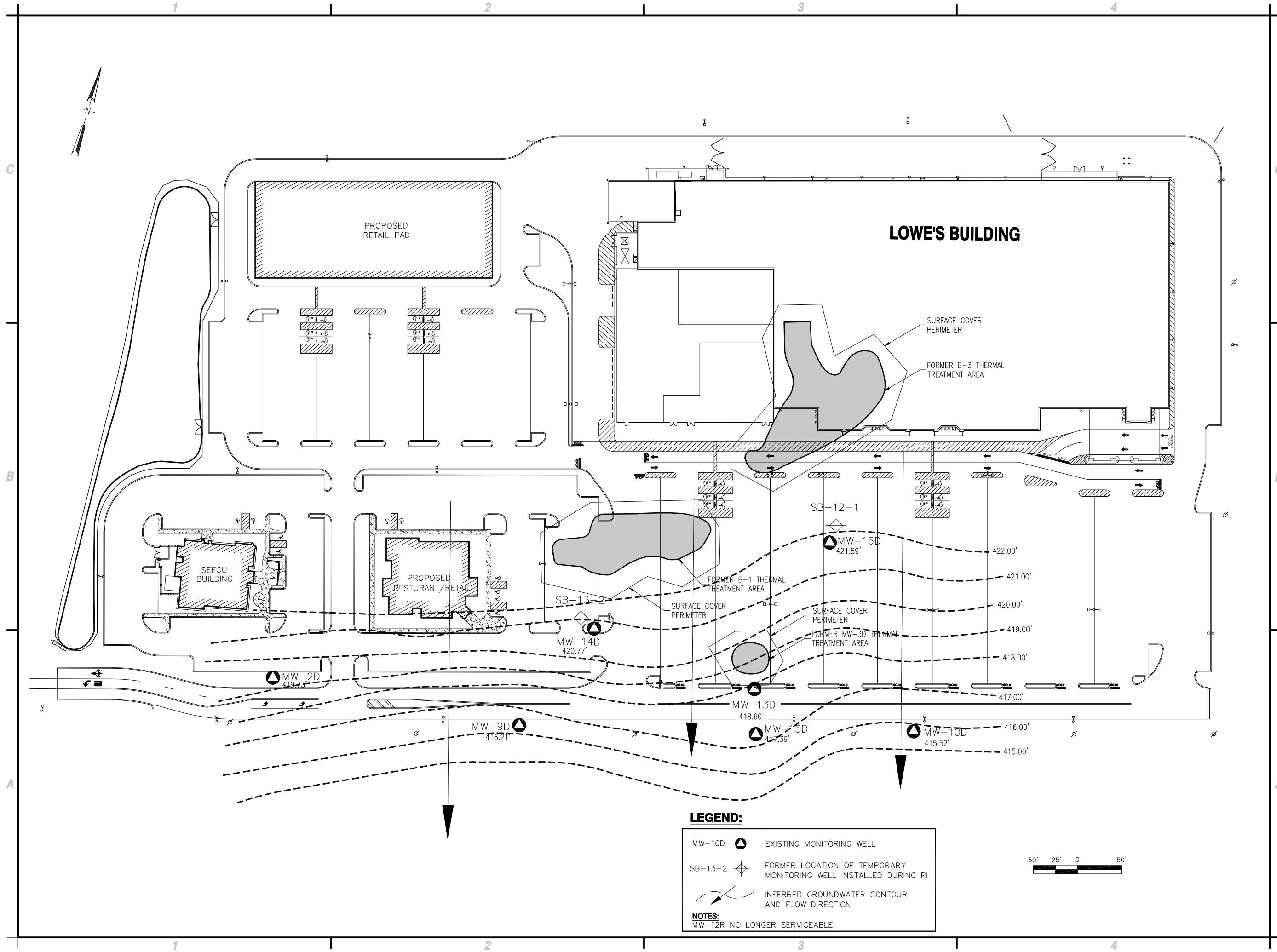


LEGEND:

- MW-10D EXISTING MONITORING WELL
- SB-13-2 FORMER LOCATION OF TEMPORARY MONITORING WELL INSTALLED DURING RI
- INFERRED GROUNDWATER CONTOUR AND FLOW DIRECTION

NOTES:
MW-12R NO LONGER SERVICEABLE.

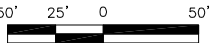




LEGEND:

- MW-10D EXISTING MONITORING WELL
- SB-13-2 FORMER LOCATION OF TEMPORARY MONITORING WELL INSTALLED DURING RI
- INFERRED GROUNDWATER CONTOUR AND FLOW DIRECTION

NOTES:
MW-12R NO LONGER SERVICEABLE.



C&S Engineers, Inc.
499 Col. Eileen Collins Blvd.
Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

**PIONEER MIDLER AVENUE, LLC
POST IRM MONITORING
MIDLER CITY
INDUSTRIAL PARK
BROWNFIELD CLEANUP
SYRACUSE, NY
NYSDEC BROWNFIELD SITE No. C734103**

Apr 21, 2010 - 2:56pm \\dec2eng\Project\081 - Pioneer Development\081.006.001\Post IRM GW Monitoring\Calendar Year 2009 PRR\Calendar Year 2009 Periodic Refigure 1 30SEP09.dwg

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO:		
DATE:		OCTOBER 2009
SCALE:		AS SHOWN
DRAWN BY:		M. BUCKINGHAM
DESIGNED BY:		
CHECKED BY:		
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

**SEPTEMBER 30, 2009
GROUNDWATER
CONTOUR MAP**



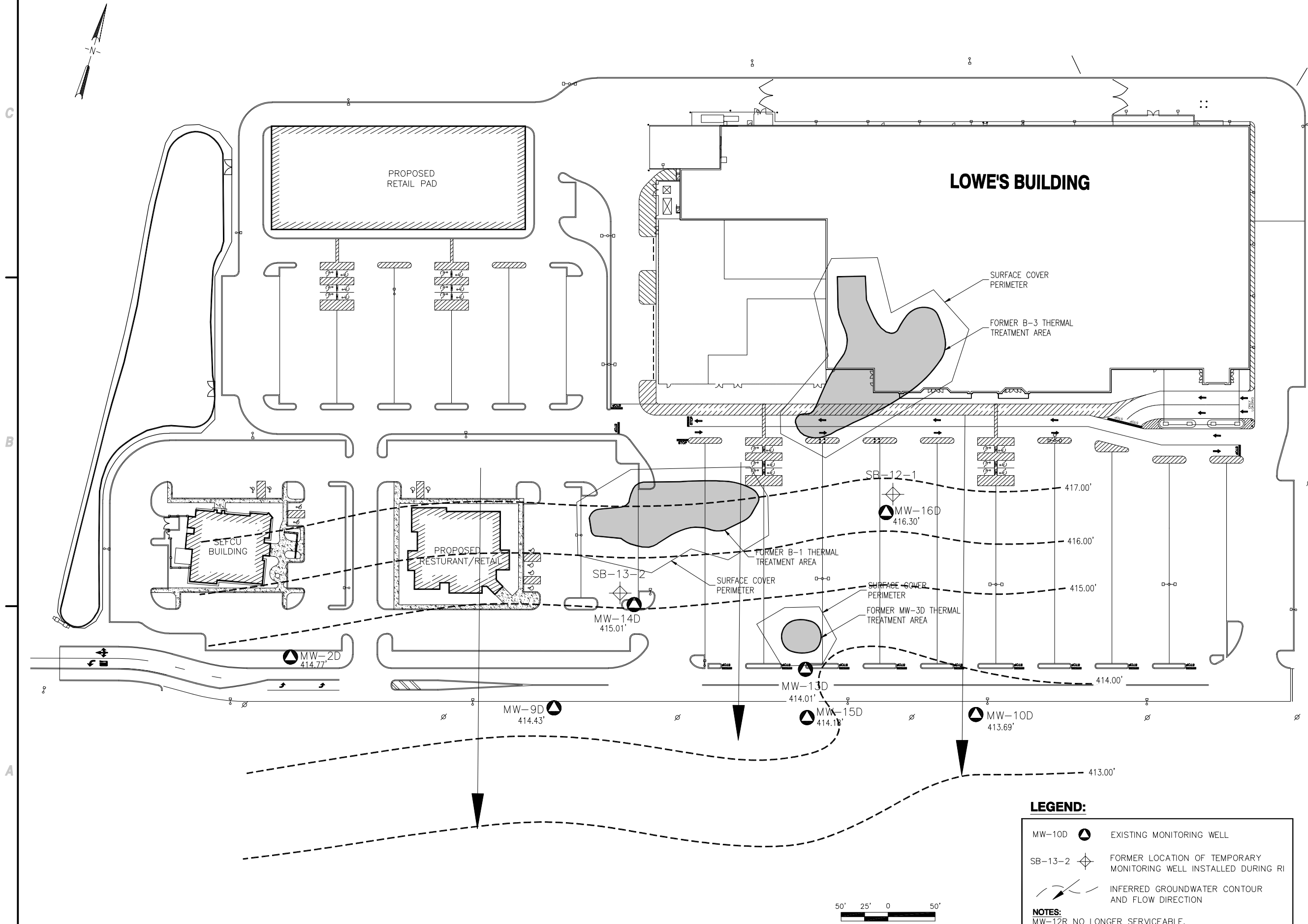
C&S Engineers, Inc.
499 Col. Eileen Collins Blvd.
Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

PIONEER MIDLER AVENUE, LLC
POST IRM MONITORING
MIDLER CITY
INDUSTRIAL PARK
BROWNFIELD CLEANUP
SYRACUSE, NY
NYSDEC BROWNFIELD SITE No. C734103

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO:		
DATE: DECEMBER 2009		
SCALE: AS SHOWN		
DRAWN BY: M. BUCKINGHAM		
DESIGNED BY:		
CHECKED BY:		
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

DECEMBER 21, 2009
GROUNDWATER
CONTOUR MAP

Apr 21, 2010 - 2:56pm
\\dec2eng\Project\081 - Pioneer Development\081.006.001\Post Irm GW Monitoring\Calendar Year 2009 PRR\Calendar Year 2009 Periodic Refigure 1 21DEC09.dwg



LEGEND:

- MW-10D EXISTING MONITORING WELL
- SB-13-2 FORMER LOCATION OF TEMPORARY MONITORING WELL INSTALLED DURING RI
- INFERRED GROUNDWATER CONTOUR AND FLOW DIRECTION

NOTES:
MW-12R NO LONGER SERVICEABLE.

APPENDIX B

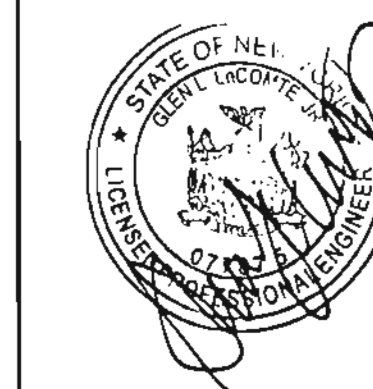
SSDS INSPECTION/OPERATIONAL DOCUMENTATION



- 1 8" SCHEDULE 40 PVC SUB-SLAB DEPRESSURIZATION SYSTEM RISER.
- 2 8" SDDS PIPING UP. REFER TO DRAWING M-2 FOR CONTINUATION OF PIPING.
- 3 8" SDDS COLLECTION HEADER SHALL BE NON-PERFORATED.
- 4 VACUUM MONITORING POINT CONSISTING OF 3/8" TUBE AND RUBBER CORK. TUBE SHALL EXTEND 2' BELOW VAPOR BARRIER. REFER TO 5M-0.

A. CONTRACTOR SHALL SEAL ALL PENETRATIONS THROUGH CONCRETE FLOOR SLAB AIR-TIGHT WITH STEGO INDUSTRIES PRODUCTS UTILIZED IN ACCORDANCE WITH STEGO INDUSTRIES PROCEDURES AND RECOMMENDATIONS.

△		00 / 00 /
△		/ /
△		/ /
△		/ /
△		/ /
△		/ /
NO.:	REVISION:	DATE:



Argus
Argus Engineering, PLLC

Hogan Block 251 West Fayette Street Syracuse, NY 13202
Phone: 315-475-6061 **Fax:** 315-475-6071

SCALE: AS SHOWN	DRAWN: / CHECK EMD/GLL	DATE: 07-10-07

SUB-SLAB
PIPING PLAN

AS-BUILT

SHEET NO.:

M-

DEC 19 2007



PROJECT NORTH

1	SUB-SLAB PIPING PLAN

$$1/4' = 1'-0''$$

EE66

EE88

EE55

EE77

EE10

EE44

EE33

EE22

EE99

FLAG NOTES

1. 4" Schedule 40 PVC perimeter pipe perimeter.
2. 3" Schedule 40 PVC perforated pipe lateral.
3. 6" Schedule 80 PVC pipe riser with methane gas detector at 24" AB. Floor and Exhaust Fan between bar joists. See Detail G-C Sheet SS-2.
4. Ceiling mounted methane gas detector. See Detail 3 this sheet.
5. Wall mounted methane gas detector 24" above floor.
6. Control module in NEMA 4X panel on wall at 5'-0" above floor.
7. Horn and Strobe at 15 feet above floor.
8. Alarm light.
9. Vacuum monitoring point in floor, see detail sheet SS-2.

NOTE: COORDINATE ALL WORK WITH THE FOUNDATION LOCATIONS AND WITH OTHER TRADES.

1 SUBSLAB VENTILATION PLAN
SCALE 1" = 20'-0"

2 DUCT SENSOR INSTALLATION DETAIL
SCALE 1" = 1'-0"

3 CEILING MOUNTED DETECTORS IN SALES AREA
SCALE 1" = 1'-0"

GAS DETECTION SYSTEM
NOT TO SCALE

VERIFICATION RESULTS ON 12/14/07: By [Signature]

LOCATION	INCHES WATER COLUMN
A	0.40
B	0.30
C	0.13
D	0.02
E	0.20
F	0.50
G	0.25
H	0.02
I	0.60
J	0.60
K	0.80
L	0.15
M	0.06

AS-BUILT

REVISIONS

DATE	DESCRIPTION
11-14-07	

ELECTRO-MECH ENGINEERING, INC.
311 High Street, 11th Floor
Syracuse, NY 13202
(315) 487-2777 (tel) (315) 487-2778 (fax)
design@electro-mech-engineers.com

DeWolff Partners Architects LLP
1401 Fayetteville Road
Syracuse, NY 13202
(315) 487-2777 (tel) (315) 487-2778 (fax)

LOWE'S
SUBSLAB VENTILATION PLAN
LOWE'S OF SYRACUSE, NEW YORK
PROJECT: 03-007 DRAWN BY: EME CHECKED BY: EME

CRITERIA
ISSUE DATE: 09.01.06
PERMIT SET
ISSUE DATE: 03.16.07
CONSTRUCTION SET
ISSUE DATE:
DRAWING NUMBER:
SS-1

INVOICE

5933

POWER-COMM ELECTRIC CO., INC.

P.O. BOX 5435
SYRACUSE, NY 13220-5435
(315) 963-0671 Fax (315) 963-0681

INVOICE NUMBER: 5933

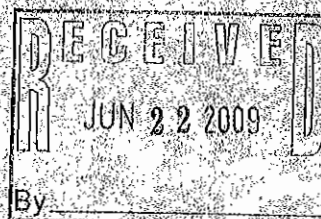
Federal ID #16-1614225

PAGE: 1

D TO:

PIONEER
C/O PIONEER MGMT. GROUP, LLC
250 S CLINTON ST / SUITE 200
SYRACUSE, NY 13202

SHIP TO:



CUSTOMER ID	CUSTOMER P.O.	SALES REP I.D.
PIONEER	LOWES - MIDLER AVE	ERIC BURNHAM
PAYMENT TERMS	INVOICE DATE	DUE DATE
NET 30 DAYS	06/18/09	07/18/09

DESCRIPTION	AMOUNT
WORK COMPLETED TO INSTALL LINE FANS. WORK DONE ON 6/11 AND 6/12/09.	
LABOR 4 HOURS AT \$71.30 PER HOUR:	285.20
MATERIAL (3-FANS):	600.00

Sub Total 490
Sales Tax ~~8.00~~

885.20

35.41 ~~70.82~~

Total Due

~~956.02~~

Past due invoices will be subjected to service charges

=====

920.61

DATE: 1-20-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2
3
4
5
6
7
8
9
10

-1	
-1	
-1	
-1	
-1	
-1	
-1	
-1	
-1	
-1	

1 -1

*The above measurements are in "inches of water" taken from Dwyer Series 2000,
Magnehelic gages.

COMMENTS:

INSPECTED BY:

Daryl Close
(Print Name)

DJW
(Signature)

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NY

DATE: 2/5/09

EXHAUST FAN #

LOWE'S

SEFCU

2
3
4
5
6
7
8
9
10

-1
-1
-1
-1
-1
-1
-1
-1
-1

1

-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

INSPECTED BY:

Jed Schwaner
(Print Name)


(Signature)

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NY

DATE: 2/13/09

<u>EXHAUST FAN #</u>	<u>LOWE'S</u>	<u>SEFCU</u>
2	<u>- .09</u>	1 <u>- 1</u>
3	<u>- 1</u>	
4	<u>- 1</u>	
5	<u>- 1</u>	
6	<u>- 1</u>	
7	<u>- 1</u>	
8	<u>- 1</u>	
9	<u>- 1</u>	
10	<u>- 1</u>	

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

E.F. 2 MAKING NOISE

INSPECTED BY:

Daryl Close
(Print Name)

Daryl Close
(Signature)

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NY

DATE: 2/20/09

EXHAUST FAN #

LOWE'S

SEFCU

2	<u>- .09</u>	1	<u>-1</u>
3	<u>-1</u>		
4	<u>-1</u>		
5	<u>-1</u>		
6	<u>-1</u>		
7	<u>-1</u>		
8	<u>-1</u>		
9	<u>-1</u>		
10	<u>-1</u>		

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

E.F. 2 making noise

INSPECTED BY:

Daryl Close
(Print Name)

Daryl Close
(Signature)

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NY

DATE: 2/27/09

<u>EXHAUST FAN #</u>	<u>LOWE'S</u>	<u>SEFCU</u>
2	<u>-09</u>	1 <u>-1</u>
3	<u>-1</u>	
4	<u>-1</u>	
5	<u>-1</u>	
6	<u>-1</u>	
7	<u>-1</u>	
8	<u>-1</u>	
9	<u>-1</u>	
10	<u>-1</u>	

*The above measurements are in "inches of Water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

E.F. #2 making noise

INSPECTED BY:

Daryl Close

(Print Name)

Daryl Close

(Signature)

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NY

DATE: 3-6-09

EXHAUST FAN #

LOWE'S

SEFCU

2	<u>- .90</u>
3	<u>- </u>
4	<u>- </u>
5	<u>- </u>
6	<u>- </u>
7	<u>- </u>
8	<u>- </u>
9	<u>- </u>
10	<u>- </u>

1 - |

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

E.F. #2 making noise

INSPECTED BY:

Daryl Close

(Print Name)

Daryl Close

(Signature)

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NY

DATE: 3-13-09

<u>EXHAUST FAN #</u>	<u>LOWE'S</u>	<u>SEFCU</u>
2	<u>7.90</u>	1 <u>-1</u>
3	<u>-1</u>	
4	<u>-1</u>	
5	<u>-1</u>	
6	<u>-1</u>	
7	<u>-1</u>	
8	<u>-1</u>	
9	<u>-1</u>	
10	<u>-1</u>	

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

E.F. #2 and #3 making noise.

INSPECTED BY:

Daryl Close
(Print Name)

Daryl Close
(Signature)

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NY

DATE: 3-20-09

<u>EXHAUST FAN #</u>	<u>LOWE'S</u>	<u>SEFCU</u>
2	<u>- .90</u>	1 <u>- </u>
3	<u>- </u>	
4	<u>- </u>	
5	<u>- </u>	
6	<u>- </u>	
7	<u>- </u>	
8	<u>- </u>	
9	<u>- </u>	
10	<u>- </u>	

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

E.F. # 2 and 3 making noise

INSPECTED BY:

Daryl Close
(Print Name)

Daryl Close
(Signature)

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NY

DATE: 3-27-09

<u>EXHAUST FAN #</u>	<u>LOWE'S</u>	<u>SEFCU</u>
2	<u>- .90</u>	1 <u>- </u>
3	<u>- </u>	
4	<u>- </u>	
5	<u>- </u>	
6	<u>- </u>	
7	<u>- </u>	
8	<u>- </u>	
9	<u>- </u>	
10	<u>- </u>	

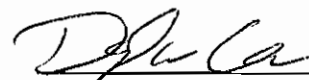
*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

E.F. #2 and 3 making noise

INSPECTED BY:

Daryl Close
(Print Name)


(Signature)

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NY

DATE: 4-3-09

<u>EXHAUST FAN #</u>	<u>LOWE'S</u>	<u>SEFCU</u>
2	<u>-.90</u>	1 <u>-.1</u>
3	<u>-.1</u>	
4	<u>-.1</u>	
5	<u>-.1</u>	
6	<u>-.1</u>	
7	<u>-.1</u>	
8	<u>-.1</u>	
9	<u>-.1</u>	
10	<u>-.1</u>	

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

E.F. # 2 AND 3 MAKING NOISE

INSPECTED BY:

Daryl Close
(Print Name)

Daryl Close
(Signature)

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NY

DATE: 4-10-09

<u>EXHAUST FAN #</u>	<u>LOWE'S</u>	<u>SEFCU</u>
2	<u>-.90</u>	1 <u>-.1</u>
3	<u>-.1</u>	
4	<u>-.1</u>	
5	<u>-.1</u>	
6	<u>-.1</u>	
7	<u>-.1</u>	
8	<u>-.1</u>	
9	<u>-.1</u>	
10	<u>-.1</u>	

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

E.F. #2 and 3 making noise

INSPECTED BY:

Daryl Close
(Print Name)

Daryl Close
(Signature)

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NY

DATE: 4-17-09

<u>EXHAUST FAN #</u>	<u>LOWE'S</u>	<u>SEFCU</u>
2	<u>-.90</u>	1 <u>-1</u>
3	<u>-1</u>	
4	<u>-1</u>	
5	<u>-1</u>	
6	<u>-1</u>	
7	<u>-1</u>	
8	<u>-1</u>	
9	<u>-1</u>	
10	<u>-1</u>	

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

E.F. # 2 AND 3 MAKING NOISE

INSPECTED BY:

Daryl Close
(Print Name)

Daryl Close
(Signature)

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NY

DATE: 4-24-09

<u>EXHAUST FAN #</u>	<u>LOWE'S</u>	<u>SEFCU</u>
2	<u>-0.90</u>	1 <u>-1</u>
3	<u>-1</u>	
4	<u>-1</u>	
5	<u>-1</u>	
6	<u>-1</u>	
7	<u>-1</u>	
8	<u>-1</u>	
9	<u>-1</u>	
10	<u>-1</u>	

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

E.F. #2 and 3 making noise

INSPECTED BY:

Daryl Close
(Print Name)

Daryl Close
(Signature)

DATE: 5-4-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

<u>EXHAUST FAN #</u>	<u>LOWE'S</u>	<u>SEFCU</u>
2	<u>- .90</u>	1 <u>- </u>
3	<u>- </u>	
4	<u>- </u>	
5	<u>- </u>	
6	<u>- </u>	
7	<u>- </u>	
8	<u>- </u>	
9	<u>- </u>	
10	<u>- </u>	
11	<u>NA</u>	
12	<u>NA</u>	

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

E.F. # 2 AND 3 Making noise

INSPECTED BY:

Daryl Close
(Print Name)

Daryl Close
(Signature)

DATE: 5-8-09

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #

LOWE'S

SEFCU

2	<u>- .90</u>	1 <u>- /</u>
3	<u>- /</u>	
4	<u>- /</u>	
5	<u>- /</u>	
6	<u>- /</u>	
7	<u>- /</u>	
8	<u>- /</u>	
9	<u>- /</u>	
10	<u>- /</u>	
11	<u>NA</u>	
12	<u>NA</u>	

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

E.F. # 2 AND 3 MAKING NOISE

INSPECTED BY:

Daryl Close
(Print Name)

Daryl Close
(Signature)

DATE: 5-15-09

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #

LOWE'S

SEFCU

2	<u>- .90</u>
3	<u>- 1</u>
4	<u>- 1</u>
5	<u>- 1</u>
6	<u>- 1</u>
7	<u>- 1</u>
8	<u>- 1</u>
9	<u>- 1</u>
10	<u>- 1</u>

1 - 1

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

E.F. # 2 AND 3 making noise

INSPECTED BY:

Daryl Close
(Print Name)

Daryl Close
(Signature)

DATE: 5-22-09

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #

LOWE'S

SEFCU

2	<u>-.90</u>
3	<u>-1</u>
4	<u>-1</u>
5	<u>-1</u>
6	<u>-1</u>
7	<u>-1</u>
8	<u>-1</u>
9	<u>-1</u>
10	<u>-1</u>

1 -1

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

E.F. # 2 AND 3 MAKING NOISE

INSPECTED BY:

Daryl Close
(Print Name)

Daryl Close
(Signature)

DATE: 5-29-09

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #

LOWE'S

SEFCU

2	<u>- .90</u>	1 <u>-1</u>
3	<u>-1</u>	
4	<u>-1</u>	
5	<u>-1</u>	
6	<u>-1</u>	
7	<u>-1</u>	
8	<u>-1</u>	
9	<u>-1</u>	
10	<u>-1</u>	

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

E.F # 2 AND 3 making noise

INSPECTED BY:

Daryl Close

(Print Name)

Dylwa

(Signature)

DATE: 6-5-09

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #

LOWE'S

SEFCU

2	<u>-.90</u>	1 <u>-1</u>
3	<u>-1</u>	
4	<u>-1</u>	
5	<u>-1</u>	
6	<u>-1</u>	
7	<u>-1</u>	
8	<u>-1</u>	
9	<u>-1</u>	
10	<u>-1</u>	

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

E.F. # 2 AND 3 MAKING NOISE

INSPECTED BY:

Daryl Close
(Print Name)

Daryl Close
(Signature)

DATE: 6-12-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2	<u>-1</u>
3	<u>-1</u>
4	<u>-1</u>
5	<u>-1</u>
6	<u>-1</u>
7	<u>-1</u>
8	<u>-1</u>
9	<u>-1</u>
10	<u>-1</u>

1 -1

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

E.F. # 2 AND 3 Replaced

INSPECTED BY:

Daryl Close

(Print Name)

Daryl Close

(Signature)

DATE: 6-19-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2
3
4
5
6
7
8
9
10

[illegible]

1

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

[illegible]**INSPECTED BY:**

Daryl Close
(Print Name)


(Signature)

DATE: 6-26-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

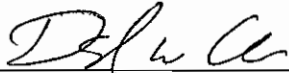
2	<u>-1</u>	1 <u>-1</u>
3	<u>-1</u>	
4	<u>-1</u>	
5	<u>-1</u>	
6	<u>-1</u>	
7	<u>-1</u>	
8	<u>-1</u>	
9	<u>-1</u>	
10	<u>-1</u>	

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

INSPECTED BY:

Daryl Close
(Print Name)


(Signature)

DATE: 7-3-2009

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2
3
4
5
6
7
8
9
10

-1
-1
-1
-1
-1
-1
-1
-1
-1

1 -1

*The above measurements are in "inches of water" taken from Dwyer Series 2000,
Magnehelic gages.

COMMENTS:

INSPECTED BY:

Daryl Close
(Print Name)

Daryl Close
(Signature)

DATE: 7-10-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

<u>EXHAUST FAN #</u>	<u>LOWE'S</u>	<u>SEFCU</u>
2	<u>-1</u>	1 <u>-1</u>
3	<u>-1</u>	
4	<u>-1</u>	
5	<u>-1</u>	
6	<u>-1</u>	
7	<u>-1</u>	
8	<u>-1</u>	
9	<u>-1</u>	
10	<u>-1</u>	

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

INSPECTED BY:

Daryl Close
(Print Name)

DSL
(Signature)

DATE: 7-17-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10

1 1

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

INSPECTED BY:

Daryl Close

(Print Name)

Dylan Lee

(Signature)

DATE: 7-24-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2
3
4
5
6
7
8
9
10

-1
-1
-1
-1
-1
-1
-1
-1
-1

1 -1

*The above measurements are in "inches of water" taken from Dwyer Series 2000,
Magnehelic gages.

COMMENTS:

INSPECTED BY:

Daryl Close
(Print Name)

Ddc
(Signature)

DATE: 7-31-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2

3

4

5

6

7

8

9

10

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

[illegible]

INSPECTED BY:

Daryl Close

(Print Name)

Dg/w 6

(Signature)

DATE: 8-7-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2	<u>-1</u>
3	<u>-1</u>
4	<u>-1</u>
5	<u>-1</u>
6	<u>-1</u>
7	<u>-1</u>
8	<u>-1</u>
9	<u>-1</u>
10	<u>-1</u>

1 -1

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

INSPECTED BY:

Daryl Close

(Print Name)

Daryl Close

(Signature)

DATE: 8-17-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2	<u>-1</u>
3	<u>-1</u>
4	<u>-1</u>
5	<u>-1</u>
6	<u>-1</u>
7	<u>-1</u>
8	<u>-1</u>
9	<u>-1</u>
10	<u>-1</u>

1 -1

*The above measurements are in "inches of water" taken from Dwyer Series 2000,
Magnehelic gages.

COMMENTS:

INSPECTED BY:

Daryl Close

(Print Name)

DSL

(Signature)

DATE: 8-21-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2
3
4
5
6
7
8
9
10

-1
-1
-1
-1
-1
-1
-1
-1
-1

1 -1

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

INSPECTED BY:

Daryl Close
(Print Name)

Daryl Close
(Signature)

DATE: 8-28-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2 — |

3 ~ } —

4 — |

5 — |

6 — |

7 ~ /

8 — |

9 — /

10 — |

1 _____

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins or other markings visible.

INSPECTED BY:

Daryl close

(Print Name)

Dyl Ch

(Signature)

DATE: 7-4-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2	<u>-1</u>
3	<u>-1</u>
4	<u>-1</u>
5	<u>-1</u>
6	<u>-1</u>
7	<u>-1</u>
8	<u>-1</u>
9	<u>-1</u>
10	<u>-1</u>

1 -1

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

INSPECTED BY:

Daryl Close
(Print Name)

Dyl Ca
(Signature)

DATE: 9-11-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2
3
4
5
6
7
8
9
10

1

1 - 1

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins or other markings visible.

INSPECTED BY:

Daryl Close
(Print Name)

DSA
(Signature)

DATE: 9-18-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK.**

EXHAUST FAN #

LOWE'S

SEFCU

2

- 1

1

1

3

—

4

-1-

5

4

6

-1

7

1

8

1

9

—

10

3

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

INSPECTED BY:

Daryl Close
(Print Name)

Ds/2/2
(Signature)

DATE: 9-25-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2	<u>-1</u>
3	<u>-1</u>
4	<u>-1</u>
5	<u>-1</u>
6	<u>-1</u>
7	<u>-1</u>
8	<u>-1</u>
9	<u>-1</u>
10	<u>-1</u>

1 -1

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

INSPECTED BY:

Daryl Close
(Print Name)

Daryl Close
(Signature)

DATE: 10-5-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2

-1

1

-1

3

-1

4

-1

5

-1

6

-1

7

-1

8

-1

9

-1

10

-1

*The above measurements are in "inches of water" taken from Dwyer Series 2000,
Magnehelic gages.

COMMENTS:

INSPECTED BY:

Daryl Close

(Print Name)

Daryl Close

(Signature)

DATE: 10-9-09

SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK

EXHAUST FAN #

LOWE'S

SEFCU

2
3
4
5
6
7
8
9
10

-1
-1
-1
-1
-1
-1
-1
-1
-1

1 -1

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

INSPECTED BY:

Daryl Close
(Print Name)

Daryl Close
(Signature)

)

)

2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	-
10	-

1 -

)

This image shows a single sheet of white paper with horizontal blue lines, similar to standard notebook paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

)

Dal Nor
(Signature)

DATE: 10/23/09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2

— 1

1

3

— 1 —

4

1

5

— |

6

— |

7

—1

8

- 1 -

9

1

10

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

INSPECTED BY:

Daryl Close

(Print Name)

Dylan Carter

(Signature)

DATE: 10-30-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2	<u>-1</u>
3	<u>-1</u>
4	<u>-1</u>
5	<u>-1</u>
6	<u>-1</u>
7	<u>-1</u>
8	<u>-1</u>
9	<u>-1</u>
10	<u>-1</u>

1 -1

*The above measurements are in "inches of water" taken from Dwyer Series 2000,
Magnehelic gages.

COMMENTS:

INSPECTED BY:

Daryl Close
(Print Name)

Daryl Close
(Signature)

)

)

!

0-100%	
10-20%	
20-30%	
30-40%	
40-50%	
50-60%	
60-70%	
70-80%	
80-90%	

1

)

[illegible]

)



(Signature)

DATE: 11-13-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2
3
4
5
6
7
8
9
10

2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1

1 1

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

INSPECTED BY:

Jim Scruton
(Print Name)

[Signature]
(Signature)

DATE: 11-20-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2
3
4
5
6
7
8
9
10

-1
-1
-1
-1
-1
-1
-1
-1
-1

1 -1

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

INSPECTED BY:

Jim Scruton
(Print Name)

[Signature]
(Signature)

DATE: 12-4-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2
3
4
5
6
7
8
9
10

-1
-1
-1
-1
-1
-1
-1
-1
-1

1 -1

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

INSPECTED BY:

Jim Scruton
(Print Name)

[Signature]
(Signature)

DATE: 12-11-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2

-1

1

9.

3

—

4

1994

5

—

6

7

—

8

—

9

1

10

1

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

This image shows a single sheet of white paper with horizontal blue or grey ruling lines, typical of notebook paper. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

INSPECTED BY:

(Print Name)

(Signature)

DATE: 12-18-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2
3
4
5
6
7
8
9
10

-1
-1
-1
-1
-1
-1
-1
-1
-1

1 -1

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

INSPECTED BY:

Jim Scruton
(Print Name)

[Signature]
(Signature)

DATE: 12-23-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2
3
4
5
6
7
8
9
10

Handwriting practice lines for the word "canoe". The word is written in a cursive script on a set of four horizontal lines (top, midline, baseline, and descender line). The word is repeated multiple times across the lines, with each repetition showing the stroke order and direction for writing the letters.

1 -1

*The above measurements are in "inches of water" taken from Dwyer Series 2000, Magnehelic gages.

COMMENTS:

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

INSPECTED BY:

ECTED BY:

Jim Scruton

(Print Name)

(Signature)

DATE: 12-31-09

**SUBSLAB DEPRESSURIZATION SYSTEMS
MIDLER CROSSING
SYRACUSE, NEW YORK**

EXHAUST FAN #

LOWE'S

SEFCU

2
3
4
5
6
7
8
9
10

-1
-1
-1
-1
-1
-1
-1
-1
-1

1 -1

*The above measurements are in "inches of water" taken from Dwyer Series 2000,
Magnehelic gages.

COMMENTS:

INSPECTED BY:

Jim Scruton
(Print Name)

[Signature]
(Signature)

APPENDIX C

PROPERTY INSPECTION FORMS

SHOPPING CENTER PROPERTY INSPECTION

PROPERTY NAME MIDLER CROSSING Inspected By L. BYRNIESPROPERTY NO. 650 Date 4/21/09

Approved _____

I. Exterior: Site & Building LOT CONDITION ONLY

- * A. Parking Lot Asphalt (holes, fractures, low spots, liability hazards, oil & stone, shim).

D.K.

- B. Storm Water Drainage (catch basins, swales, ditches, culverts: clean & operating, pumps operating and PM program in force, hour meters working; clean out catch basins). - WEEKLY

D.K.

- C. Fire Hydrants (protected, painted, visibility, access, shown on drawing).

D.K.

- D. Fire Lanes and Handicapped Parking (properly marked & signed).

D.K.

- * E. Snow removal (stock pile areas established, delineator posts needed, drainage problems, damaged areas).

N/A

- * F. Parking Lot Lighting (operation, test to verify operation, lens/lamp replacement, paint, photocell, timeclocks, manual override switch, anchor bolts & base secure, base cover secure).

N/A

- G. Water/Gas Shutoffs, Sewer Cleanouts (properly covered, locations known and shown on drawing, test shutoffs).

N/A

H. Buffer Areas (properly cut, debris removed).

O.K.

I. Sidewalks & Curbs (maintenance, drainage, handicap ramps, re-caulk, ~~reuse~~ containers, tripping hazards).

O.K.

J. Striping (condition of paint, areas to be relined, skip next year).

*ENTRANCE ROAD TO BE
REPAINTED*

K. Traffic Control Devices (traffic signal operation, speed limit/vehicle signage - faded/additions needed).

O.K.

L. Paint (exterior walls, trim, service doors, trash areas, compactors, canopies).

N/A

M. Caulking (type of failures & extent).

N/A

N. Landscaping (cleanliness, maintenance program, drainage, add plantings, weed killer at curbs, cracks, etc.).

N/A

O. Pylon & other signs (paint, rusting, fading, lighting, time clock control, reader board letter inventory).

N/A

P. Other Items (compactor locked off, propane tank safety, water silcocks, loading areas; Put tenant info on tenant sheets).

N/A

[Signature]
4/21/09

SHOPPING CENTER PROPERTY INSPECTION

PROPERTY NAME MIDLER CROSSINGInspected By L. BYRNESPROPERTY NO. 650Date 12/15/09

Approved _____

I. Exterior: Site & Building LOT CONDITION ONLY

- * A. Parking Lot Asphalt (holes, fractures, low spots, liability hazards, oil & stone, shim).

O.K.

- B. Storm Water Drainage (catch basins, swales, ditches, culverts: clean & operating, pumps operating and PM program in force, flow meters working; clean out catch basins). - WEEKLY

O.K.

- C. Fire Hydrants (protected, painted, visibility, access, shown on drawing).

O.K.

- D. Fire Lanes and Handicapped Parking (properly marked & signed).

O.K.

- * E. Snow removal (stock pile areas established, delineator posts needed, drainage problems, damaged areas).

N/A

- * F. Parking Lot Lighting (operation, test to verify operation, lens/lamp replacement, paint, photocell, timeclocks, manual override switch, anchor bolts & base secure, base cover secure).

N/A

- G. Water/Gas Shutoffs, Sewer Cleanouts (properly covered, locations known and shown on drawing, test shutoffs).

N/A

H. Buffer Areas (properly cut, debris removed).

O.K.

I. Sidewalks & Curbs (maintenance, drainage, handicap ramps, re-caulk, refuse containers, tripping hazards).

O.K.

J. Striping (condition of paint, areas to be refined, strip next year).

O.K.

K. Traffic Control Devices (traffic signal operation, speed limit/vehicle signage - faded/additions needed).

O.K.

L. Paint (exterior walls, trim, service doors, trash areas, compactors, canopies).

N/A

M. Caulking (type of failures & extent).

N/A

N. Landscaping (cleanliness, maintenance program, drainage, add plantings, weed killer at curbs, cracks, etc.).

N/A

O. Pylon & other signs (paint, rusting, fading, lighting, time clock control, reader board letter inventory).

N/A

P. Other Items (compactor locked off, propane tank safety, water silcocks, loading areas; Put tenant info on tenant sheets).

N/A

W. J. Jones
10/15/09

APPENDIX D

DECEMBER 2009 SAMPLING EVENT ANALYTICAL LABORATORY DATA AND DUSR

ANALYTICAL REPORT

Job Number: 220-11150-1

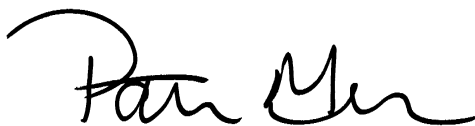
SDG Number: 220-11150

Job Description: Pioneer Midler Quarterly

For:

C&S Engineers, Inc.
499 Col. Eileen Collins Blvd
Syracuse, NY 13212

Attention: Mr. Steve Vinci



Approved for release.
Patty A. Mercure
Data Review Analyst I
1/8/2010 1:42 PM

Designee for
Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
01/08/2010

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



Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Sample Calculation Summary	6
Sample Summary	7
Executive Summary	8
Method Summary	11
Method / Analyst Summary	12
Sample Datasheets	13
Surrogate Summary	29
QC Data Summary	30
Data Qualifiers	35
QC Association Summary	36
Lab Chronicle	37
Organic Sample Data	40
GC/MS VOA	40
Method OLM04.2 Vol	40
Method OLM04.2 Vol QC Summary	41
Method OLM04.2 Vol Sample Data	50
Standards Data	156
Method OLM04.2 Vol ICAL Data	156
Method OLM04.2 Vol CCAL Data	185
Raw QC Data	190
Method OLM04.2 Vol Tune Data	190
Method OLM04.2 Vol Blank Data	198
Method OLM04.2 Vol LCS/LCSD Data	204

Table of Contents

Method OLM04.2 Vol MS/MSD Data	215
Method OLM04.2 Vol Run Logs	225
Shipping and Receiving Documents	227
Client Chain of Custody	228
Sample Receipt Checklist	229
Internal Coc (if required)	230

Case Narrative for Job: 220-11150-1

Client: C&S Engineers, Inc.
Date: January 8, 2010

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.



Lawrence Decker
Laboratory Director

January 8, 2010
Date

Job Narrative
220-11150-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

FORMULAS FOR NYSDEC SAMPLE CALCULATIONS

Volatiles

$$\frac{(AX)(IS)(DF)}{(AIS)(RRF)(V)(\% \text{ solids})} = C$$

$$\frac{(AX)(IS)(VT)(1000)(DF)}{(AIS)(RRF)(VA)(V)(\% \text{ solids})} = C \quad (\text{for medium level soils})$$

SemiVolatiles

$$\frac{(AX)(IS)(VE)(DF)(\text{GPC factor is 2 if needed})}{(AIS)(RRF)(\text{volume injected})(V)(\% \text{ solids})} = C$$

Pesticides

$$\frac{(AX)(VE)(DF)}{(RRF)(V)(\% \text{ solids})(\text{volume injected})} = C$$

PCBs for compound/retention time

$$\frac{(AX)(VE)(DF)}{(RRF \text{ of compound at the stated retention time})(V)(\% \text{ solids})(\text{volume injected})} = C$$

DRO/CTETPH

$$\frac{(AX)(VE)(DF)}{(RRF)(V)(\% \text{ solids})(\text{volume injected})} = C$$

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: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-11150-1	MW-13D	Water	12/21/2009 1055	12/22/2009 1035
220-11150-2	MW-14D	Water	12/21/2009 1140	12/22/2009 1035
220-11150-3	MW-10D	Water	12/21/2009 1500	12/22/2009 1035
220-11150-4	MW-15D	Water	12/21/2009 1420	12/22/2009 1035
220-11150-5	MW-16D	Water	12/21/2009 0945	12/22/2009 1035
220-11150-6	MW-2D	Water	12/21/2009 1220	12/22/2009 1035
220-11150-6MS	MW-2D MATRIX SPIKE	Water	12/21/2009 1220	12/22/2009 1035
220-11150-6MSD	MW-2D MATRIX SPIKE DUPLICATE	Water	12/21/2009 1220	12/22/2009 1035
220-11150-7	MW-9D	Water	12/21/2009 1340	12/22/2009 1035
220-11150-8TB	TRIP BLANK	Water	12/21/2009 0000	12/22/2009 1035

EXECUTIVE SUMMARY - Detections

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
220-11150-1 MW-13D					
Vinyl chloride		760	50	ug/L	OLM04.2/Vol
Carbon disulfide		9.5 J	50	ug/L	OLM04.2/Vol
Acetone		6.3 J * B	50	ug/L	OLM04.2/Vol
Methylene Chloride		2.2 J B	50	ug/L	OLM04.2/Vol
Benzene		4.1 J	50	ug/L	OLM04.2/Vol
methyl isobutyl ketone		2.1 J	50	ug/L	OLM04.2/Vol
Toluene		5.8 J	50	ug/L	OLM04.2/Vol
Xylenes, Total		2.3 J	50	ug/L	OLM04.2/Vol
cis-1,2-Dichloroethene		120	50	ug/L	OLM04.2/Vol
trans-1,2-Dichloroethene		11 J	50	ug/L	OLM04.2/Vol
Methylcyclohexane		2.5 J	50	ug/L	OLM04.2/Vol
220-11150-2 MW-14D					
Vinyl chloride		3.1 J	10	ug/L	OLM04.2/Vol
Carbon disulfide		2.6 J	10	ug/L	OLM04.2/Vol
Acetone		2.4 J * B	10	ug/L	OLM04.2/Vol
Methylene Chloride		0.35 J B	10	ug/L	OLM04.2/Vol
Methyl Ethyl Ketone		0.72 J *	10	ug/L	OLM04.2/Vol
Benzene		2.9 J	10	ug/L	OLM04.2/Vol
Trichloroethene		0.35 J	10	ug/L	OLM04.2/Vol
Toluene		15 J	10	ug/L	OLM04.2/Vol
Ethylbenzene		1.3 J	10	ug/L	OLM04.2/Vol
Xylenes, Total		6.2 J	10	ug/L	OLM04.2/Vol
cis-1,2-Dichloroethene		0.29 J	10	ug/L	OLM04.2/Vol
trans-1,2-Dichloroethene		4.0 J	10	ug/L	OLM04.2/Vol
Methylcyclohexane		0.63 J	10	ug/L	OLM04.2/Vol
220-11150-3 MW-10D					
Vinyl chloride		170	20	ug/L	OLM04.2/Vol
1,1-Dichloroethene		0.41 J	20	ug/L	OLM04.2/Vol
Carbon disulfide		3.5 J	20	ug/L	OLM04.2/Vol
Acetone		1.6 J * B	20	ug/L	OLM04.2/Vol
Methylene Chloride		0.86 J B	20	ug/L	OLM04.2/Vol
Trichloroethene		0.59 J	20	ug/L	OLM04.2/Vol
Toluene		0.22 J	20	ug/L	OLM04.2/Vol
cis-1,2-Dichloroethene		200	20	ug/L	OLM04.2/Vol
trans-1,2-Dichloroethene		12 J	20	ug/L	OLM04.2/Vol

EXECUTIVE SUMMARY - Detections

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
220-11150-4	MW-15D					
Vinyl chloride		1.9	J	10	ug/L	OLM04.2/Vol
Carbon disulfide		1.3	J	10	ug/L	OLM04.2/Vol
Acetone		0.72	J * B	10	ug/L	OLM04.2/Vol
Methylene Chloride		0.34	J B	10	ug/L	OLM04.2/Vol
Trichloroethene		0.23	J	10	ug/L	OLM04.2/Vol
cis-1,2-Dichloroethene		4.4	J	10	ug/L	OLM04.2/Vol
trans-1,2-Dichloroethene		1.2	J	10	ug/L	OLM04.2/Vol
220-11150-5	MW-16D					
Vinyl chloride		1.9	J	10	ug/L	OLM04.2/Vol
1,1-Dichloroethene		0.12	J	10	ug/L	OLM04.2/Vol
Carbon disulfide		1.5	J	10	ug/L	OLM04.2/Vol
Acetone		1.6	J * B	10	ug/L	OLM04.2/Vol
Methylene Chloride		0.30	J B	10	ug/L	OLM04.2/Vol
Benzene		0.36	J	10	ug/L	OLM04.2/Vol
Trichloroethene		0.21	J	10	ug/L	OLM04.2/Vol
Toluene		2.0	J	10	ug/L	OLM04.2/Vol
Ethylbenzene		0.20	J	10	ug/L	OLM04.2/Vol
Xylenes, Total		0.59	J	10	ug/L	OLM04.2/Vol
cis-1,2-Dichloroethene		0.30	J	10	ug/L	OLM04.2/Vol
trans-1,2-Dichloroethene		2.9	J	10	ug/L	OLM04.2/Vol
220-11150-6	MW-2D					
Vinyl chloride		0.28	J	10	ug/L	OLM04.2/Vol
Carbon disulfide		0.75	J	10	ug/L	OLM04.2/Vol
Acetone		0.41	J * B	10	ug/L	OLM04.2/Vol
Methylene Chloride		0.32	J B	10	ug/L	OLM04.2/Vol
220-11150-7	MW-9D					
Vinyl chloride		3.1	J	10	ug/L	OLM04.2/Vol
1,1-Dichloroethene		0.10	J	10	ug/L	OLM04.2/Vol
Carbon disulfide		1.3	J	10	ug/L	OLM04.2/Vol
Acetone		0.60	J * B	10	ug/L	OLM04.2/Vol
Methylene Chloride		0.31	J B	10	ug/L	OLM04.2/Vol
Benzene		0.14	J	10	ug/L	OLM04.2/Vol
cis-1,2-Dichloroethene		3.5	J	10	ug/L	OLM04.2/Vol
trans-1,2-Dichloroethene		0.36	J	10	ug/L	OLM04.2/Vol
Methyl tert-butyl ether		0.32	J	10	ug/L	OLM04.2/Vol

EXECUTIVE SUMMARY - Detections

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
220-11150-8TB	TRIP BLANK					
Carbon disulfide		0.10	J	10	ug/L	OLM04.2/Vol
Acetone		0.40	J * B	10	ug/L	OLM04.2/Vol
Methylene Chloride		0.46	J B	10	ug/L	OLM04.2/Vol
Dichlorodifluoromethane		0.12	J	10	ug/L	OLM04.2/Vol
1,2,4-Trichlorobenzene		0.12	J	10	ug/L	OLM04.2/Vol

METHOD SUMMARY

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL CT	OLM04.2	OLM04.2/Vol
Purge and Trap	TAL CT		SW846 5030B

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

OLM04.2 = "Statement of Work for Organic Analysis", Multi-Media, Multi-Concentration September 1998

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

METHOD / ANALYST SUMMARY

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Method	Analyst	Analyst ID
OLM04.2 OLM04.2/Vol	Humbert, Dave	DH

Analytical Data

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Client Sample ID: MW-13D

Lab Sample ID: 220-11150-1

Client Matrix: Water

Date Sampled: 12/21/2009 1055

Date Received: 12/22/2009 1035

OLM04.2/Vol Volatile Organic Compounds (GC/MS)

Method:	OLM04.2/Vol	Analysis Batch: 220-34907	Instrument ID:	MSY
Preparation:	5030B		Lab File ID:	Y9433.D
Dilution:	5.0		Initial Weight/Volume:	5 mL
Date Analyzed:	12/30/2009 1827		Final Weight/Volume:	5 mL
Date Prepared:	12/30/2009 1827			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	50	U	0.50	50
Vinyl chloride	760		0.50	50
Bromomethane	50	U *	0.50	50
Chloroethane	50	U	0.50	50
1,1-Dichloroethene	50	U	0.50	50
Carbon disulfide	9.5	J	0.50	50
Acetone	6.3	J * B	0.50	50
Methylene Chloride	2.2	J B	0.50	50
1,1-Dichloroethane	50	U	0.50	50
Methyl Ethyl Ketone	50	U *	0.50	50
Chloroform	50	U	0.50	50
1,1,1-Trichloroethane	50	U	0.50	50
Carbon tetrachloride	50	U	0.50	50
Benzene	4.1	J	0.50	50
1,2-Dichloroethane	50	U	0.50	50
Trichloroethene	50	U	0.50	50
1,2-Dichloropropane	50	U	0.50	50
Bromodichloromethane	50	U	0.50	50
cis-1,3-Dichloropropene	50	U	0.50	50
methyl isobutyl ketone	2.1	J	0.50	50
Toluene	5.8	J	0.50	50
trans-1,3-Dichloropropene	50	U	0.50	50
1,1,2-Trichloroethane	50	U	0.50	50
Tetrachloroethene	50	U	0.50	50
2-Hexanone	50	U *	0.50	50
Dibromochloromethane	50	U	0.50	50
Chlorobenzene	50	U	0.50	50
Ethylbenzene	50	U	0.50	50
Styrene	50	U	0.50	50
Bromoform	50	U	0.50	50
1,1,2,2-Tetrachloroethane	50	U	0.50	50
Xylenes, Total	2.3	J	0.50	50
cis-1,2-Dichloroethene	120		0.50	50
trans-1,2-Dichloroethene	11	J	0.50	50
Dichlorodifluoromethane	50	U	0.50	50
Trichlorofluoromethane	50	U	0.50	50
1,1,2-Trichloro-1,2,2-trifluoroethane	50	U	0.50	50
Methyl tert-butyl ether	50	U	0.50	50
1,2-Dibromoethane	50	U	0.50	50
Isopropylbenzene	50	U	0.50	50
1,3-Dichlorobenzene	50	U	0.50	50
1,4-Dichlorobenzene	50	U	0.50	50
1,2-Dichlorobenzene	50	U	0.50	50
1,2-Dibromo-3-Chloropropane	50	U	0.50	50
1,2,4-Trichlorobenzene	50	U	0.50	50
Methyl acetate	50	U *	0.50	50

Analytical Data

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Client Sample ID: MW-13D

Lab Sample ID: 220-11150-1

Client Matrix: Water

Date Sampled: 12/21/2009 1055

Date Received: 12/22/2009 1035

OLM04.2/Vol Volatile Organic Compounds (GC/MS)

Method:	OLM04.2/Vol	Analysis Batch: 220-34907	Instrument ID:	MSY
Preparation:	5030B		Lab File ID:	Y9433.D
Dilution:	5.0		Initial Weight/Volume:	5 mL
Date Analyzed:	12/30/2009 1827		Final Weight/Volume:	5 mL
Date Prepared:	12/30/2009 1827			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Cyclohexane	50	U	0.50	50
Methylcyclohexane	2.5	J	0.50	50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		76 - 114
4-Bromofluorobenzene	93		86 - 115
Toluene-d8 (Surr)	98		88 - 110

Analytical Data

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Client Sample ID: MW-14D

Lab Sample ID: 220-11150-2

Date Sampled: 12/21/2009 1140

Client Matrix: Water

Date Received: 12/22/2009 1035

OLM04.2/Vol Volatile Organic Compounds (GC/MS)

Method:	OLM04.2/Vol	Analysis Batch: 220-34907	Instrument ID:	MSY
Preparation:	5030B		Lab File ID:	Y9431.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	12/30/2009 1734		Final Weight/Volume:	5 mL
Date Prepared:	12/30/2009 1734			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.10	10
Vinyl chloride	3.1	J	0.10	10
Bromomethane	10	U *	0.10	10
Chloroethane	10	U	0.10	10
1,1-Dichloroethene	10	U	0.10	10
Carbon disulfide	2.6	J	0.10	10
Acetone	2.4	J * B	0.10	10
Methylene Chloride	0.35	J B	0.10	10
1,1-Dichloroethane	10	U	0.10	10
Methyl Ethyl Ketone	0.72	J *	0.10	10
Chloroform	10	U	0.10	10
1,1,1-Trichloroethane	10	U	0.10	10
Carbon tetrachloride	10	U	0.10	10
Benzene	2.9	J	0.10	10
1,2-Dichloroethane	10	U	0.10	10
Trichloroethene	0.35	J	0.10	10
1,2-Dichloropropane	10	U	0.10	10
Bromodichloromethane	10	U	0.10	10
cis-1,3-Dichloropropene	10	U	0.10	10
methyl isobutyl ketone	10	U	0.10	10
Toluene	15		0.10	10
trans-1,3-Dichloropropene	10	U	0.10	10
1,1,2-Trichloroethane	10	U	0.10	10
Tetrachloroethene	10	U	0.10	10
2-Hexanone	10	U *	0.10	10
Dibromochloromethane	10	U	0.10	10
Chlorobenzene	10	U	0.10	10
Ethylbenzene	1.3	J	0.10	10
Styrene	10	U	0.10	10
Bromoform	10	U	0.10	10
1,1,2,2-Tetrachloroethane	10	U	0.10	10
Xylenes, Total	6.2	J	0.10	10
cis-1,2-Dichloroethene	0.29	J	0.10	10
trans-1,2-Dichloroethene	4.0	J	0.10	10
Dichlorodifluoromethane	10	U	0.10	10
Trichlorofluoromethane	10	U	0.10	10
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	0.10	10
Methyl tert-butyl ether	10	U	0.10	10
1,2-Dibromoethane	10	U	0.10	10
Isopropylbenzene	10	U	0.10	10
1,3-Dichlorobenzene	10	U	0.10	10
1,4-Dichlorobenzene	10	U	0.10	10
1,2-Dichlorobenzene	10	U	0.10	10
1,2-Dibromo-3-Chloropropane	10	U	0.10	10
1,2,4-Trichlorobenzene	10	U	0.10	10
Methyl acetate	10	U *	0.10	10

Analytical Data

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Client Sample ID: MW-14D

Lab Sample ID: 220-11150-2

Client Matrix: Water

Date Sampled: 12/21/2009 1140

Date Received: 12/22/2009 1035

OLM04.2/Vol Volatile Organic Compounds (GC/MS)

Method:	OLM04.2/Vol	Analysis Batch: 220-34907	Instrument ID:	MSY
Preparation:	5030B		Lab File ID:	Y9431.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	12/30/2009 1734		Final Weight/Volume:	5 mL
Date Prepared:	12/30/2009 1734			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Cyclohexane	10	U	0.10	10
Methylcyclohexane	0.63	J	0.10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		76 - 114
4-Bromofluorobenzene	100		86 - 115
Toluene-d8 (Surr)	96		88 - 110

Analytical Data

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Client Sample ID: MW-10D

Lab Sample ID: 220-11150-3

Client Matrix: Water

Date Sampled: 12/21/2009 1500

Date Received: 12/22/2009 1035

OLM04.2/Vol Volatile Organic Compounds (GC/MS)

Method:	OLM04.2/Vol	Analysis Batch: 220-34907	Instrument ID:	MSY
Preparation:	5030B		Lab File ID:	Y9432.D
Dilution:	2.0		Initial Weight/Volume:	5 mL
Date Analyzed:	12/30/2009 1801		Final Weight/Volume:	5 mL
Date Prepared:	12/30/2009 1801			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	20	U	0.20	20
Vinyl chloride	170		0.20	20
Bromomethane	20	U *	0.20	20
Chloroethane	20	U	0.20	20
1,1-Dichloroethene	0.41	J	0.20	20
Carbon disulfide	3.5	J	0.20	20
Acetone	1.6	J * B	0.20	20
Methylene Chloride	0.86	J B	0.20	20
1,1-Dichloroethane	20	U	0.20	20
Methyl Ethyl Ketone	20	U *	0.20	20
Chloroform	20	U	0.20	20
1,1,1-Trichloroethane	20	U	0.20	20
Carbon tetrachloride	20	U	0.20	20
Benzene	20	U	0.20	20
1,2-Dichloroethane	20	U	0.20	20
Trichloroethene	0.59	J	0.20	20
1,2-Dichloropropane	20	U	0.20	20
Bromodichloromethane	20	U	0.20	20
cis-1,3-Dichloropropene	20	U	0.20	20
methyl isobutyl ketone	20	U	0.20	20
Toluene	0.22	J	0.20	20
trans-1,3-Dichloropropene	20	U	0.20	20
1,1,2-Trichloroethane	20	U	0.20	20
Tetrachloroethene	20	U	0.20	20
2-Hexanone	20	U *	0.20	20
Dibromochloromethane	20	U	0.20	20
Chlorobenzene	20	U	0.20	20
Ethylbenzene	20	U	0.20	20
Styrene	20	U	0.20	20
Bromoform	20	U	0.20	20
1,1,2,2-Tetrachloroethane	20	U	0.20	20
Xylenes, Total	20	U	0.20	20
cis-1,2-Dichloroethene	200		0.20	20
trans-1,2-Dichloroethene	12	J	0.20	20
Dichlorodifluoromethane	20	U	0.20	20
Trichlorofluoromethane	20	U	0.20	20
1,1,2-Trichloro-1,2,2-trifluoroethane	20	U	0.20	20
Methyl tert-butyl ether	20	U	0.20	20
1,2-Dibromoethane	20	U	0.20	20
Isopropylbenzene	20	U	0.20	20
1,3-Dichlorobenzene	20	U	0.20	20
1,4-Dichlorobenzene	20	U	0.20	20
1,2-Dichlorobenzene	20	U	0.20	20
1,2-Dibromo-3-Chloropropane	20	U	0.20	20
1,2,4-Trichlorobenzene	20	U	0.20	20
Methyl acetate	20	U *	0.20	20

Analytical Data

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Client Sample ID: MW-10D

Lab Sample ID: 220-11150-3

Client Matrix: Water

Date Sampled: 12/21/2009 1500

Date Received: 12/22/2009 1035

OLM04.2/Vol Volatile Organic Compounds (GC/MS)

Method:	OLM04.2/Vol	Analysis Batch: 220-34907	Instrument ID:	MSY
Preparation:	5030B		Lab File ID:	Y9432.D
Dilution:	2.0		Initial Weight/Volume:	5 mL
Date Analyzed:	12/30/2009 1801		Final Weight/Volume:	5 mL
Date Prepared:	12/30/2009 1801			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Cyclohexane	20	U	0.20	20
Methylcyclohexane	20	U	0.20	20

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		76 - 114
4-Bromofluorobenzene	91		86 - 115
Toluene-d8 (Surr)	98		88 - 110

Analytical Data

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Client Sample ID: MW-15D

Lab Sample ID: 220-11150-4

Date Sampled: 12/21/2009 1420

Client Matrix: Water

Date Received: 12/22/2009 1035

OLM04.2/Vol Volatile Organic Compounds (GC/MS)

Method:	OLM04.2/Vol	Analysis Batch: 220-34907	Instrument ID:	MSY
Preparation:	5030B		Lab File ID:	Y9428.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	12/30/2009 1614		Final Weight/Volume:	5 mL
Date Prepared:	12/30/2009 1614			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.10	10
Vinyl chloride	1.9	J	0.10	10
Bromomethane	10	U *	0.10	10
Chloroethane	10	U	0.10	10
1,1-Dichloroethene	10	U	0.10	10
Carbon disulfide	1.3	J	0.10	10
Acetone	0.72	J * B	0.10	10
Methylene Chloride	0.34	J B	0.10	10
1,1-Dichloroethane	10	U	0.10	10
Methyl Ethyl Ketone	10	U *	0.10	10
Chloroform	10	U	0.10	10
1,1,1-Trichloroethane	10	U	0.10	10
Carbon tetrachloride	10	U	0.10	10
Benzene	10	U	0.10	10
1,2-Dichloroethane	10	U	0.10	10
Trichloroethene	0.23	J	0.10	10
1,2-Dichloropropane	10	U	0.10	10
Bromodichloromethane	10	U	0.10	10
cis-1,3-Dichloropropene	10	U	0.10	10
methyl isobutyl ketone	10	U	0.10	10
Toluene	10	U	0.10	10
trans-1,3-Dichloropropene	10	U	0.10	10
1,1,2-Trichloroethane	10	U	0.10	10
Tetrachloroethene	10	U	0.10	10
2-Hexanone	10	U *	0.10	10
Dibromochloromethane	10	U	0.10	10
Chlorobenzene	10	U	0.10	10
Ethylbenzene	10	U	0.10	10
Styrene	10	U	0.10	10
Bromoform	10	U	0.10	10
1,1,2,2-Tetrachloroethane	10	U	0.10	10
Xylenes, Total	10	U	0.10	10
cis-1,2-Dichloroethene	4.4	J	0.10	10
trans-1,2-Dichloroethene	1.2	J	0.10	10
Dichlorodifluoromethane	10	U	0.10	10
Trichlorofluoromethane	10	U	0.10	10
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	0.10	10
Methyl tert-butyl ether	10	U	0.10	10
1,2-Dibromoethane	10	U	0.10	10
Isopropylbenzene	10	U	0.10	10
1,3-Dichlorobenzene	10	U	0.10	10
1,4-Dichlorobenzene	10	U	0.10	10
1,2-Dichlorobenzene	10	U	0.10	10
1,2-Dibromo-3-Chloropropane	10	U	0.10	10
1,2,4-Trichlorobenzene	10	U	0.10	10
Methyl acetate	10	U *	0.10	10

Analytical Data

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Client Sample ID: MW-15D

Lab Sample ID: 220-11150-4

Client Matrix: Water

Date Sampled: 12/21/2009 1420

Date Received: 12/22/2009 1035

OLM04.2/Vol Volatile Organic Compounds (GC/MS)

Method:	OLM04.2/Vol	Analysis Batch: 220-34907	Instrument ID:	MSY
Preparation:	5030B		Lab File ID:	Y9428.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	12/30/2009 1614		Final Weight/Volume:	5 mL
Date Prepared:	12/30/2009 1614			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Cyclohexane	10	U	0.10	10
Methylcyclohexane	10	U	0.10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		76 - 114
4-Bromofluorobenzene	89		86 - 115
Toluene-d8 (Surr)	98		88 - 110

Analytical Data

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Client Sample ID: MW-16D

Lab Sample ID: 220-11150-5

Date Sampled: 12/21/2009 0945

Client Matrix: Water

Date Received: 12/22/2009 1035

OLM04.2/Vol Volatile Organic Compounds (GC/MS)

Method:	OLM04.2/Vol	Analysis Batch: 220-34907	Instrument ID:	MSY
Preparation:	5030B		Lab File ID:	Y9429.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	12/30/2009 1641		Final Weight/Volume:	5 mL
Date Prepared:	12/30/2009 1641			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.10	10
Vinyl chloride	1.9	J	0.10	10
Bromomethane	10	U *	0.10	10
Chloroethane	10	U	0.10	10
1,1-Dichloroethene	0.12	J	0.10	10
Carbon disulfide	1.5	J	0.10	10
Acetone	1.6	J * B	0.10	10
Methylene Chloride	0.30	J B	0.10	10
1,1-Dichloroethane	10	U	0.10	10
Methyl Ethyl Ketone	10	U *	0.10	10
Chloroform	10	U	0.10	10
1,1,1-Trichloroethane	10	U	0.10	10
Carbon tetrachloride	10	U	0.10	10
Benzene	0.36	J	0.10	10
1,2-Dichloroethane	10	U	0.10	10
Trichloroethene	0.21	J	0.10	10
1,2-Dichloropropane	10	U	0.10	10
Bromodichloromethane	10	U	0.10	10
cis-1,3-Dichloropropene	10	U	0.10	10
methyl isobutyl ketone	10	U	0.10	10
Toluene	2.0	J	0.10	10
trans-1,3-Dichloropropene	10	U	0.10	10
1,1,2-Trichloroethane	10	U	0.10	10
Tetrachloroethene	10	U	0.10	10
2-Hexanone	10	U *	0.10	10
Dibromochloromethane	10	U	0.10	10
Chlorobenzene	10	U	0.10	10
Ethylbenzene	0.20	J	0.10	10
Styrene	10	U	0.10	10
Bromoform	10	U	0.10	10
1,1,2,2-Tetrachloroethane	10	U	0.10	10
Xylenes, Total	0.59	J	0.10	10
cis-1,2-Dichloroethene	0.30	J	0.10	10
trans-1,2-Dichloroethene	2.9	J	0.10	10
Dichlorodifluoromethane	10	U	0.10	10
Trichlorofluoromethane	10	U	0.10	10
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	0.10	10
Methyl tert-butyl ether	10	U	0.10	10
1,2-Dibromoethane	10	U	0.10	10
Isopropylbenzene	10	U	0.10	10
1,3-Dichlorobenzene	10	U	0.10	10
1,4-Dichlorobenzene	10	U	0.10	10
1,2-Dichlorobenzene	10	U	0.10	10
1,2-Dibromo-3-Chloropropane	10	U	0.10	10
1,2,4-Trichlorobenzene	10	U	0.10	10
Methyl acetate	10	U *	0.10	10

Analytical Data

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Client Sample ID: MW-16D

Lab Sample ID: 220-11150-5

Client Matrix: Water

Date Sampled: 12/21/2009 0945

Date Received: 12/22/2009 1035

OLM04.2/Vol Volatile Organic Compounds (GC/MS)

Method:	OLM04.2/Vol	Analysis Batch: 220-34907	Instrument ID:	MSY
Preparation:	5030B		Lab File ID:	Y9429.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	12/30/2009 1641		Final Weight/Volume:	5 mL
Date Prepared:	12/30/2009 1641			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Cyclohexane	10	U	0.10	10
Methylcyclohexane	10	U	0.10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		76 - 114
4-Bromofluorobenzene	93		86 - 115
Toluene-d8 (Surr)	96		88 - 110

Analytical Data

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Client Sample ID: MW-2D

Lab Sample ID: 220-11150-6

Date Sampled: 12/21/2009 1220

Client Matrix: Water

Date Received: 12/22/2009 1035

OLM04.2/Vol Volatile Organic Compounds (GC/MS)

Method:	OLM04.2/Vol	Analysis Batch: 220-34907	Instrument ID:	MSY
Preparation:	5030B		Lab File ID:	Y9427.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	12/30/2009 1548		Final Weight/Volume:	5 mL
Date Prepared:	12/30/2009 1548			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.10	10
Vinyl chloride	0.28	J	0.10	10
Bromomethane	10	U *	0.10	10
Chloroethane	10	U	0.10	10
1,1-Dichloroethene	10	U	0.10	10
Carbon disulfide	0.75	J	0.10	10
Acetone	0.41	J * B	0.10	10
Methylene Chloride	0.32	J B	0.10	10
1,1-Dichloroethane	10	U	0.10	10
Methyl Ethyl Ketone	10	U *	0.10	10
Chloroform	10	U	0.10	10
1,1,1-Trichloroethane	10	U	0.10	10
Carbon tetrachloride	10	U	0.10	10
Benzene	10	U	0.10	10
1,2-Dichloroethane	10	U	0.10	10
Trichloroethene	10	U	0.10	10
1,2-Dichloropropane	10	U	0.10	10
Bromodichloromethane	10	U	0.10	10
cis-1,3-Dichloropropene	10	U	0.10	10
methyl isobutyl ketone	10	U	0.10	10
Toluene	10	U	0.10	10
trans-1,3-Dichloropropene	10	U	0.10	10
1,1,2-Trichloroethane	10	U	0.10	10
Tetrachloroethene	10	U	0.10	10
2-Hexanone	10	U *	0.10	10
Dibromochloromethane	10	U	0.10	10
Chlorobenzene	10	U	0.10	10
Ethylbenzene	10	U	0.10	10
Styrene	10	U	0.10	10
Bromoform	10	U	0.10	10
1,1,2,2-Tetrachloroethane	10	U	0.10	10
Xylenes, Total	10	U	0.10	10
cis-1,2-Dichloroethene	10	U	0.10	10
trans-1,2-Dichloroethene	10	U	0.10	10
Dichlorodifluoromethane	10	U	0.10	10
Trichlorofluoromethane	10	U	0.10	10
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	0.10	10
Methyl tert-butyl ether	10	U	0.10	10
1,2-Dibromoethane	10	U	0.10	10
Isopropylbenzene	10	U	0.10	10
1,3-Dichlorobenzene	10	U	0.10	10
1,4-Dichlorobenzene	10	U	0.10	10
1,2-Dichlorobenzene	10	U	0.10	10
1,2-Dibromo-3-Chloropropane	10	U	0.10	10
1,2,4-Trichlorobenzene	10	U	0.10	10
Methyl acetate	10	U *	0.10	10

Analytical Data

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Client Sample ID: MW-2D

Lab Sample ID: 220-11150-6

Client Matrix: Water

Date Sampled: 12/21/2009 1220

Date Received: 12/22/2009 1035

OLM04.2/Vol Volatile Organic Compounds (GC/MS)

Method:	OLM04.2/Vol	Analysis Batch: 220-34907	Instrument ID:	MSY
Preparation:	5030B		Lab File ID:	Y9427.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	12/30/2009 1548		Final Weight/Volume:	5 mL
Date Prepared:	12/30/2009 1548			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Cyclohexane	10	U	0.10	10
Methylcyclohexane	10	U	0.10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		76 - 114
4-Bromofluorobenzene	89		86 - 115
Toluene-d8 (Surr)	98		88 - 110

Analytical Data

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Client Sample ID: MW-9D

Lab Sample ID: 220-11150-7

Date Sampled: 12/21/2009 1340

Client Matrix: Water

Date Received: 12/22/2009 1035

OLM04.2/Vol Volatile Organic Compounds (GC/MS)

Method:	OLM04.2/Vol	Analysis Batch: 220-34907	Instrument ID:	MSY
Preparation:	5030B		Lab File ID:	Y9430.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	12/30/2009 1708		Final Weight/Volume:	5 mL
Date Prepared:	12/30/2009 1708			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.10	10
Vinyl chloride	3.1	J	0.10	10
Bromomethane	10	U *	0.10	10
Chloroethane	10	U	0.10	10
1,1-Dichloroethene	0.10	J	0.10	10
Carbon disulfide	1.3	J	0.10	10
Acetone	0.60	J * B	0.10	10
Methylene Chloride	0.31	J B	0.10	10
1,1-Dichloroethane	10	U	0.10	10
Methyl Ethyl Ketone	10	U *	0.10	10
Chloroform	10	U	0.10	10
1,1,1-Trichloroethane	10	U	0.10	10
Carbon tetrachloride	10	U	0.10	10
Benzene	0.14	J	0.10	10
1,2-Dichloroethane	10	U	0.10	10
Trichloroethene	10	U	0.10	10
1,2-Dichloropropane	10	U	0.10	10
Bromodichloromethane	10	U	0.10	10
cis-1,3-Dichloropropene	10	U	0.10	10
methyl isobutyl ketone	10	U	0.10	10
Toluene	10	U	0.10	10
trans-1,3-Dichloropropene	10	U	0.10	10
1,1,2-Trichloroethane	10	U	0.10	10
Tetrachloroethene	10	U	0.10	10
2-Hexanone	10	U *	0.10	10
Dibromochloromethane	10	U	0.10	10
Chlorobenzene	10	U	0.10	10
Ethylbenzene	10	U	0.10	10
Styrene	10	U	0.10	10
Bromoform	10	U	0.10	10
1,1,2,2-Tetrachloroethane	10	U	0.10	10
Xylenes, Total	10	U	0.10	10
cis-1,2-Dichloroethene	3.5	J	0.10	10
trans-1,2-Dichloroethene	0.36	J	0.10	10
Dichlorodifluoromethane	10	U	0.10	10
Trichlorofluoromethane	10	U	0.10	10
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	0.10	10
Methyl tert-butyl ether	0.32	J	0.10	10
1,2-Dibromoethane	10	U	0.10	10
Isopropylbenzene	10	U	0.10	10
1,3-Dichlorobenzene	10	U	0.10	10
1,4-Dichlorobenzene	10	U	0.10	10
1,2-Dichlorobenzene	10	U	0.10	10
1,2-Dibromo-3-Chloropropane	10	U	0.10	10
1,2,4-Trichlorobenzene	10	U	0.10	10
Methyl acetate	10	U *	0.10	10

Analytical Data

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Client Sample ID: MW-9D

Lab Sample ID: 220-11150-7

Client Matrix: Water

Date Sampled: 12/21/2009 1340

Date Received: 12/22/2009 1035

OLM04.2/Vol Volatile Organic Compounds (GC/MS)

Method:	OLM04.2/Vol	Analysis Batch: 220-34907	Instrument ID:	MSY
Preparation:	5030B		Lab File ID:	Y9430.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	12/30/2009 1708		Final Weight/Volume:	5 mL
Date Prepared:	12/30/2009 1708			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Cyclohexane	10	U	0.10	10
Methylcyclohexane	10	U	0.10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		76 - 114
4-Bromofluorobenzene	90		86 - 115
Toluene-d8 (Surr)	98		88 - 110

Analytical Data

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Client Sample ID: TRIP BLANK

Lab Sample ID: 220-11150-8TB

Client Matrix: Water

Date Sampled: 12/21/2009 0000

Date Received: 12/22/2009 1035

OLM04.2/Vol Volatile Organic Compounds (GC/MS)

Method:	OLM04.2/Vol	Analysis Batch: 220-34907	Instrument ID:	MSY
Preparation:	5030B		Lab File ID:	Y9420.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	12/30/2009 1241		Final Weight/Volume:	5 mL
Date Prepared:	12/30/2009 1241			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	10	U	0.10	10
Vinyl chloride	10	U	0.10	10
Bromomethane	10	U *	0.10	10
Chloroethane	10	U	0.10	10
1,1-Dichloroethene	10	U	0.10	10
Carbon disulfide	0.10	J	0.10	10
Acetone	0.40	J * B	0.10	10
Methylene Chloride	0.46	J B	0.10	10
1,1-Dichloroethane	10	U	0.10	10
Methyl Ethyl Ketone	10	U *	0.10	10
Chloroform	10	U	0.10	10
1,1,1-Trichloroethane	10	U	0.10	10
Carbon tetrachloride	10	U	0.10	10
Benzene	10	U	0.10	10
1,2-Dichloroethane	10	U	0.10	10
Trichloroethene	10	U	0.10	10
1,2-Dichloropropane	10	U	0.10	10
Bromodichloromethane	10	U	0.10	10
cis-1,3-Dichloropropene	10	U	0.10	10
methyl isobutyl ketone	10	U	0.10	10
Toluene	10	U	0.10	10
trans-1,3-Dichloropropene	10	U	0.10	10
1,1,2-Trichloroethane	10	U	0.10	10
Tetrachloroethene	10	U	0.10	10
2-Hexanone	10	U *	0.10	10
Dibromochloromethane	10	U	0.10	10
Chlorobenzene	10	U	0.10	10
Ethylbenzene	10	U	0.10	10
Styrene	10	U	0.10	10
Bromoform	10	U	0.10	10
1,1,2,2-Tetrachloroethane	10	U	0.10	10
Xylenes, Total	10	U	0.10	10
cis-1,2-Dichloroethene	10	U	0.10	10
trans-1,2-Dichloroethene	10	U	0.10	10
Dichlorodifluoromethane	0.12	J	0.10	10
Trichlorofluoromethane	10	U	0.10	10
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	0.10	10
Methyl tert-butyl ether	10	U	0.10	10
1,2-Dibromoethane	10	U	0.10	10
Isopropylbenzene	10	U	0.10	10
1,3-Dichlorobenzene	10	U	0.10	10
1,4-Dichlorobenzene	10	U	0.10	10
1,2-Dichlorobenzene	10	U	0.10	10
1,2-Dibromo-3-Chloropropane	10	U	0.10	10
1,2,4-Trichlorobenzene	0.12	J	0.10	10
Methyl acetate	10	U *	0.10	10

Analytical Data

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Client Sample ID: TRIP BLANK

Lab Sample ID: 220-11150-8TB

Client Matrix: Water

Date Sampled: 12/21/2009 0000

Date Received: 12/22/2009 1035

OLM04.2/Vol Volatile Organic Compounds (GC/MS)

Method:	OLM04.2/Vol	Analysis Batch: 220-34907	Instrument ID:	MSY
Preparation:	5030B		Lab File ID:	Y9420.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	12/30/2009 1241		Final Weight/Volume:	5 mL
Date Prepared:	12/30/2009 1241			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Cyclohexane	10	U	0.10	10
Methylcyclohexane	10	U	0.10	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		76 - 114
4-Bromofluorobenzene	88		86 - 115
Toluene-d8 (Surr)	97		88 - 110

Quality Control Results

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Surrogate Recovery Report

OLM04.2/Vol Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
220-11150-1	MW-13D	99	98	93
220-11150-2	MW-14D	103	96	100
220-11150-3	MW-10D	98	98	91
220-11150-4	MW-15D	102	98	89
220-11150-5	MW-16D	102	96	93
220-11150-6	MW-2D	102	98	89
220-11150-7	MW-9D	103	98	90
220-11150-8	TRIP BLANK	102	97	88
MB 220-34907/3		101	98	88
LCS 220-34907/2		100	97	101
MSB 220-34907/12		99	99	100
220-11150-6 MS	MW-2D MS	100	98	99
220-11150-6 MSD	MW-2D MSD	100	98	99

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	76-114
TOL = Toluene-d8 (Surr)	88-110
BFB = 4-Bromofluorobenzene	86-115

Quality Control Results

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Method Blank - Batch: 220-34907

Method: OLM04.2/Vol Preparation: 5030B

Lab Sample ID: MB 220-34907/3

Analysis Batch: 220-34907

Instrument ID: HP 6890/5973 GC/MS

Client Matrix: Water

Prep Batch: N/A

Lab File ID: Y9419.D

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 12/30/2009 1202

Final Weight/Volume: 5 mL

Date Prepared: 12/30/2009 1202

Analyte	Result	Qual	MDL	RL
Chloromethane	10	U	0.10	10
Vinyl chloride	10	U	0.10	10
Bromomethane	10	U	0.10	10
Chloroethane	10	U	0.10	10
1,1-Dichloroethene	10	U	0.10	10
Carbon disulfide	10	U	0.10	10
Acetone	0.524	J	0.10	10
Methylene Chloride	0.616	J	0.10	10
1,1-Dichloroethane	10	U	0.10	10
Methyl Ethyl Ketone	10	U	0.10	10
Chloroform	10	U	0.10	10
1,1,1-Trichloroethane	10	U	0.10	10
Carbon tetrachloride	10	U	0.10	10
Benzene	10	U	0.10	10
1,2-Dichloroethane	10	U	0.10	10
Trichloroethene	10	U	0.10	10
1,2-Dichloropropane	10	U	0.10	10
Bromodichloromethane	10	U	0.10	10
cis-1,3-Dichloropropene	10	U	0.10	10
methyl isobutyl ketone	10	U	0.10	10
Toluene	10	U	0.10	10
trans-1,3-Dichloropropene	10	U	0.10	10
1,1,2-Trichloroethane	10	U	0.10	10
Tetrachloroethene	10	U	0.10	10
2-Hexanone	10	U	0.10	10
Dibromochloromethane	10	U	0.10	10
Chlorobenzene	10	U	0.10	10
Ethylbenzene	10	U	0.10	10
Styrene	10	U	0.10	10
Bromoform	10	U	0.10	10
1,1,2,2-Tetrachloroethane	10	U	0.10	10
Xylenes, Total	10	U	0.10	10
cis-1,2-Dichloroethene	10	U	0.10	10
trans-1,2-Dichloroethene	10	U	0.10	10
Dichlorodifluoromethane	10	U	0.10	10
Trichlorofluoromethane	10	U	0.10	10
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	0.10	10
Methyl tert-butyl ether	10	U	0.10	10
1,2-Dibromoethane	10	U	0.10	10
Isopropylbenzene	10	U	0.10	10
1,3-Dichlorobenzene	10	U	0.10	10

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Method Blank - Batch: 220-34907

Method: OLM04.2/Vol
Preparation: 5030B

Lab Sample ID: MB 220-34907/3

Analysis Batch: 220-34907

Instrument ID: HP 6890/5973 GC/MS

Client Matrix: Water

Prep Batch: N/A

Lab File ID: Y9419.D

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 12/30/2009 1202

Final Weight/Volume: 5 mL

Date Prepared: 12/30/2009 1202

Analyte	Result	Qual	MDL	RL
1,4-Dichlorobenzene	10	U	0.10	10
1,2-Dichlorobenzene	10	U	0.10	10
1,2-Dibromo-3-Chloropropane	10	U	0.10	10
1,2,4-Trichlorobenzene	10	U	0.10	10
Methyl acetate	10	U	0.10	10
Cyclohexane	10	U	0.10	10
Methylcyclohexane	10	U	0.10	10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	76 - 114
4-Bromofluorobenzene	88	86 - 115
Toluene-d8 (Surr)	98	88 - 110

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Lab Control Sample - Batch: 220-34907

Method: OLM04.2/Vol
Preparation: 5030B

Lab Sample ID: LCS 220-34907/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/30/2009 1054
Date Prepared: 12/30/2009 1054

Analysis Batch: 220-34907
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y9417.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethene	20.0	20.7	104	61 - 145	
Benzene	20.0	19.6	98	76 - 127	
Trichloroethene	20.0	20.7	104	71 - 120	
Toluene	20.0	19.8	99	76 - 125	
Chlorobenzene	20.0	20.1	100	75 - 130	
Surrogate	% Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	100		76 - 114		
4-Bromofluorobenzene	101		86 - 115		
Toluene-d8 (Surr)	97		88 - 110		

Matrix Spike Blank - Batch: 220-34907

Method: OLM04.2/Vol
Preparation: 5030B

Lab Sample ID: MSB 220-34907/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/30/2009 1921
Date Prepared: 12/30/2009 1921

Analysis Batch: 220-34907
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y9435.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethene	50.0	50.6	101	61 - 145	
Benzene	50.0	52.7	105	76 - 127	
Trichloroethene	50.0	51.7	103	71 - 120	
Toluene	50.0	51.4	103	76 - 125	
Chlorobenzene	50.0	51.0	102	75 - 130	
Surrogate	% Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	99		76 - 114		
4-Bromofluorobenzene	100		86 - 115		
Toluene-d8 (Surr)	99		88 - 110		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 220-34907

Method: OLM04.2/Vol
Preparation: 5030B

MS Lab Sample ID: 220-11150-6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/30/2009 1947
Date Prepared: 12/30/2009 1947

Analysis Batch: 220-34907
Prep Batch: N/A

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y9436.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 220-11150-6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/30/2009 2014
Date Prepared: 12/30/2009 2014

Analysis Batch: 220-34907
Prep Batch: N/A

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y9437.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1-Dichloroethene	98	100	61 - 145	2	14		
Benzene	101	103	76 - 127	2	11		
Trichloroethene	100	101	71 - 120	1	14		
Toluene	97	99	76 - 125	2	13		
Chlorobenzene	97	98	75 - 130	2	13		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	100	76 - 114
4-Bromofluorobenzene	99	99	86 - 115
Toluene-d8 (Surr)	98	98	88 - 110

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

**Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 220-34907**

**Method: OLM04.2/Vol
Preparation: 5030B**

MS Lab Sample ID: 220-11150-6 Units: ug/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/30/2009 1947
Date Prepared: 12/30/2009 1947

MSD Lab Sample ID: 220-11150-6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/30/2009 2014
Date Prepared: 12/30/2009 2014

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1-Dichloroethene	10	U	50.0	50.0	49.2	50.1
Benzene	10	U	50.0	50.0	50.3	51.3
Trichloroethene	10	U	50.0	50.0	49.8	50.5
Toluene	10	U	50.0	50.0	48.3	49.4
Chlorobenzene	10	U	50.0	50.0	48.3	49.1

Calculations are performed before rounding to avoid round-off errors in calculated results.

DATA REPORTING QUALIFIERS

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	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.

Quality Control Results

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

Sdg Number: 220-11150

QC Association Summary

Lab Sample ID	Client Sample ID	Report	Client Matrix	Method	Prep Batch
		Basis			
GC/MS VOA					
Analysis Batch:220-34907					
LCS 220-34907/2	Lab Control Sample	T	Water	OLM04.2/Vol	
MSB 220-34907/12	Matrix Spike Blank	T	Water	OLM04.2/Vol	
MB 220-34907/3	Method Blank	T	Water	OLM04.2/Vol	
220-11150-1	MW-13D	T	Water	OLM04.2/Vol	
220-11150-2	MW-14D	T	Water	OLM04.2/Vol	
220-11150-3	MW-10D	T	Water	OLM04.2/Vol	
220-11150-4	MW-15D	T	Water	OLM04.2/Vol	
220-11150-5	MW-16D	T	Water	OLM04.2/Vol	
220-11150-6	MW-2D	T	Water	OLM04.2/Vol	
220-11150-6MS	Matrix Spike	T	Water	OLM04.2/Vol	
220-11150-6MSD	Matrix Spike Duplicate	T	Water	OLM04.2/Vol	
220-11150-7	MW-9D	T	Water	OLM04.2/Vol	
220-11150-8TB	TRIP BLANK	T	Water	OLM04.2/Vol	

Report Basis

T = Total

Quality Control Results

Client: C&S Engineers, Inc.

Job Number: 220-11150-1
SDG: 220-11150

Laboratory Chronicle

Lab ID: 220-11150-1

Client ID: MW-13D

Sample Date/Time: 12/21/2009 10:55 Received Date/Time: 12/22/2009 10:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-11150-B-1		220-34907		12/30/2009 18:27	5	TAL CT	DH
A:OLM04.2/Vol	220-11150-B-1		220-34907		12/30/2009 18:27	5	TAL CT	DH

Lab ID: 220-11150-2

Client ID: MW-14D

Sample Date/Time: 12/21/2009 11:40 Received Date/Time: 12/22/2009 10:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-11150-A-2		220-34907		12/30/2009 17:34	1	TAL CT	DH
A:OLM04.2/Vol	220-11150-A-2		220-34907		12/30/2009 17:34	1	TAL CT	DH

Lab ID: 220-11150-3

Client ID: MW-10D

Sample Date/Time: 12/21/2009 15:00 Received Date/Time: 12/22/2009 10:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-11150-B-3		220-34907		12/30/2009 18:01	2	TAL CT	DH
A:OLM04.2/Vol	220-11150-B-3		220-34907		12/30/2009 18:01	2	TAL CT	DH

Lab ID: 220-11150-4

Client ID: MW-15D

Sample Date/Time: 12/21/2009 14:20 Received Date/Time: 12/22/2009 10:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-11150-A-4		220-34907		12/30/2009 16:14	1	TAL CT	DH
A:OLM04.2/Vol	220-11150-A-4		220-34907		12/30/2009 16:14	1	TAL CT	DH

Lab ID: 220-11150-5

Client ID: MW-16D

Sample Date/Time: 12/21/2009 09:45 Received Date/Time: 12/22/2009 10:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-11150-A-5		220-34907		12/30/2009 16:41	1	TAL CT	DH
A:OLM04.2/Vol	220-11150-A-5		220-34907		12/30/2009 16:41	1	TAL CT	DH

Lab ID: 220-11150-6

Client ID: MW-2D

Sample Date/Time: 12/21/2009 12:20 Received Date/Time: 12/22/2009 10:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-11150-A-6		220-34907		12/30/2009 15:48	1	TAL CT	DH
A:OLM04.2/Vol	220-11150-A-6		220-34907		12/30/2009 15:48	1	TAL CT	DH

Quality Control Results

Client: C&S Engineers, Inc.

Job Number: 220-11150-1
SDG: 220-11150

Laboratory Chronicle

Lab ID: 220-11150-6

Client ID: MW-2D

Sample Date/Time: 12/21/2009 12:20 Received Date/Time: 12/22/2009 10:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-11150-A-6 MS		220-34907		12/30/2009 19:47	1	TAL CT	DH
A:OLM04.2/Vol	220-11150-A-6 MS		220-34907		12/30/2009 19:47	1	TAL CT	DH

Lab ID: 220-11150-6

Client ID: MW-2D

Sample Date/Time: 12/21/2009 12:20 Received Date/Time: 12/22/2009 10:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-11150-A-6 MSD		220-34907		12/30/2009 20:14	1	TAL CT	DH
A:OLM04.2/Vol	220-11150-A-6 MSD		220-34907		12/30/2009 20:14	1	TAL CT	DH

Lab ID: 220-11150-7

Client ID: MW-9D

Sample Date/Time: 12/21/2009 13:40 Received Date/Time: 12/22/2009 10:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-11150-A-7		220-34907		12/30/2009 17:08	1	TAL CT	DH
A:OLM04.2/Vol	220-11150-A-7		220-34907		12/30/2009 17:08	1	TAL CT	DH

Lab ID: 220-11150-8

Client ID: TRIP BLANK

Sample Date/Time: 12/21/2009 00:00 Received Date/Time: 12/22/2009 10:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-11150-A-8		220-34907		12/30/2009 12:41	1	TAL CT	DH
A:OLM04.2/Vol	220-11150-A-8		220-34907		12/30/2009 12:41	1	TAL CT	DH

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 220-34907/3		220-34907		12/30/2009 12:02	1	TAL CT	DH
A:OLM04.2/Vol	MB 220-34907/3		220-34907		12/30/2009 12:02	1	TAL CT	DH

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 220-34907/2		220-34907		12/30/2009 10:54	1	TAL CT	DH
A:OLM04.2/Vol	LCS 220-34907/2		220-34907		12/30/2009 10:54	1	TAL CT	DH

Quality Control Results

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

SDG: 220-11150

Laboratory Chronicle

Lab ID: MSB

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	MSB 220-34907/12		220-34907		12/30/2009 19:21	1	TAL CT	DH
A:OLM04.2/Vol	MSB 220-34907/12		220-34907		12/30/2009 19:21	1	TAL CT	DH

Lab References:

TAL CT = TestAmerica Connecticut

Method OLM04.2 Vol

Volatile Organic Compounds (GC/MS)
by Method OLM04.2_Vol

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
SDG No.: 220-11150
Matrix: Water Level: Low
GC Column (1): RTX-VMS ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
MW-13D	220-11150-1	99	98	93
MW-14D	220-11150-2	103	96	100
MW-10D	220-11150-3	98	98	91
MW-15D	220-11150-4	102	98	89
MW-16D	220-11150-5	102	96	93
MW-2D	220-11150-6	102	98	89
MW-9D	220-11150-7	103	98	90
TRIP BLANK	220-11150-8	102	97	88
	MB 220-34907/3	101	98	88
	LCS 220-34907/2	100	97	101
	MSB 220-34907/12	99	99	100
MW-2D MS	220-11150-6 MS	100	98	99
MW-2D MSD	220-11150-6 MSD	100	98	99

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	76-114
TOL = Toluene-d8 (Surr)	88-110
BFB = 4-Bromofluorobenzene	86-115

Column to be used to flag recovery values

FORM II OLM04.2/Vol

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
SDG No.: 220-11150
Matrix: Water Level: Low Lab File ID: Y9417.D
Lab ID: LCS 220-34907/2 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethene	20.0	20.7	104	61-145	
Benzene	20.0	19.6	98	76-127	
Trichloroethene	20.0	20.7	104	71-120	
Toluene	20.0	19.8	99	76-125	
Chlorobenzene	20.0	20.1	100	75-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III OLM04.2/Vol

FORM III
GC/MS VOA MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
SDG No.: 220-11150
Matrix: Water Level: Low Lab File ID: Y9435.D
Lab ID: MSB 220-34907/12 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	MSB CONCENTRATION (ug/L)	MSB % REC	QC LIMITS REC	#
1,1-Dichloroethene	50.0	50.6	101	61-145	
Benzene	50.0	52.7	105	76-127	
Trichloroethene	50.0	51.7	103	71-120	
Toluene	50.0	51.4	103	76-125	
Chlorobenzene	50.0	51.0	102	75-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III OLM04.2/Vol

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
SDG No.: 220-11150
Matrix: Water Level: Low Lab File ID: Y9436.D
Lab ID: 220-11150-6 MS Client ID: MW-2D MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethene	50.0	10 U	49.2	98	61-145	
Benzene	50.0	10 U	50.3	101	76-127	
Trichloroethene	50.0	10 U	49.8	100	71-120	
Toluene	50.0	10 U	48.3	97	76-125	
Chlorobenzene	50.0	10 U	48.3	97	75-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III OLM04.2/Vol

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
SDG No.: 220-11150
Matrix: Water Level: Low Lab File ID: Y9437.D
Lab ID: 220-11150-6 MSD Client ID: MW-2D MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1-Dichloroethene	50.0	50.1	100	2	14	61-145	
Benzene	50.0	51.3	103	2	11	76-127	
Trichloroethene	50.0	50.5	101	1	14	71-120	
Toluene	50.0	49.4	99	2	13	76-125	
Chlorobenzene	50.0	49.1	98	2	13	75-130	

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III OLM04.2/Vol

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
SDG No.: 220-11150
Lab File ID: Y9419.D Lab Sample ID: MB 220-34907/3
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: MSY Date Analyzed: 12/30/2009 12:02
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 220-34907/2	Y9417.D	12/30/2009 10:54
TRIP BLANK	220-11150-8	Y9420.D	12/30/2009 12:41
MW-2D	220-11150-6	Y9427.D	12/30/2009 15:48
MW-15D	220-11150-4	Y9428.D	12/30/2009 16:14
MW-16D	220-11150-5	Y9429.D	12/30/2009 16:41
MW-9D	220-11150-7	Y9430.D	12/30/2009 17:08
MW-14D	220-11150-2	Y9431.D	12/30/2009 17:34
MW-10D	220-11150-3	Y9432.D	12/30/2009 18:01
MW-13D	220-11150-1	Y9433.D	12/30/2009 18:27
	MSB 220-34907/12	Y9435.D	12/30/2009 19:21
MW-2D MS	220-11150-6 MS	Y9436.D	12/30/2009 19:47
MW-2D MSD	220-11150-6 MSD	Y9437.D	12/30/2009 20:14

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
SDG No.: 220-11150
Lab File ID: YB242.D BFB Injection Date: 12/17/2009
Instrument ID: MSY BFB Injection Time: 18:11
Analysis Batch No.: 34432

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.6
75	30.0 - 66.0% of mass 95	46.7
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	0.5 (0.6)1
174	50.0 - 120.0% of mass 95	89.2
175	4.0 - 9.0 % of mass 174	6.5 (7.2)1
176	93.0 - 101.0% of mass 174	86.7 (97.2)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 220-34432/1	Y9175.D	12/17/2009	21:04
	IC 220-34432/2	Y9176.D	12/17/2009	21:30
	IC 220-34432/3	Y9177.D	12/17/2009	21:57
	IC 220-34432/4	Y9178.D	12/17/2009	22:23
	IC 220-34432/5	Y9179.D	12/17/2009	22:49

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
SDG No.: 220-11150
Lab File ID: YB253.D BFB Injection Date: 12/30/2009
Instrument ID: MSY BFB Injection Time: 09:44
Analysis Batch No.: 34907

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.0
75	30.0 - 66.0% of mass 95	47.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 120.0% of mass 95	88.9
175	4.0 - 9.0 % of mass 174	6.2 (7.0) 1
176	93.0 - 101.0% of mass 174	86.8 (97.6) 1
177	5.0 - 9.0% of mass 176	5.5 (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
	CCVIS 220-34907/1	Y9416.D	12/30/2009	10:11
	LCS 220-34907/2	Y9417.D	12/30/2009	10:54
	MB 220-34907/3	Y9419.D	12/30/2009	12:02
TRIP BLANK	220-11150-8	Y9420.D	12/30/2009	12:41
MW-2D	220-11150-6	Y9427.D	12/30/2009	15:48
MW-15D	220-11150-4	Y9428.D	12/30/2009	16:14
MW-16D	220-11150-5	Y9429.D	12/30/2009	16:41
MW-9D	220-11150-7	Y9430.D	12/30/2009	17:08
MW-14D	220-11150-2	Y9431.D	12/30/2009	17:34
MW-10D	220-11150-3	Y9432.D	12/30/2009	18:01
MW-13D	220-11150-1	Y9433.D	12/30/2009	18:27
	MSB 220-34907/12	Y9435.D	12/30/2009	19:21
MW-2D MS	220-11150-6 MS	Y9436.D	12/30/2009	19:47
MW-2D MSD	220-11150-6 MSD	Y9437.D	12/30/2009	20:14

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
 SDG No.: 220-11150
 Sample No.: CCVIS 220-34907/1 Date Analyzed: 12/30/2009 10:11
 Instrument ID: MSY GC Column: RTX-VMS ID: 0.18 (mm)
 Lab File ID (Standard): Y9416.D Heated Purge: (Y/N) N

		CBM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		274211	3.10	1598549	4.52	1375508	8.02
UPPER LIMIT		548422	3.60	3197098	5.02	2751016	8.52
LOWER LIMIT		137106	2.60	799275	4.02	687754	7.52
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 220-34907/2		277183	3.10	1586373	4.52	1367967	8.01
MB 220-34907/3		261623	3.10	1359343	4.52	1219433	8.01
220-11150-8	TRIP BLANK	259789	3.10	1343587	4.52	1215522	8.02
220-11150-6	MW-2D	254394	3.10	1297070	4.52	1177288	8.01
220-11150-4	MW-15D	248477	3.10	1260929	4.52	1138425	8.01
220-11150-5	MW-16D	248835	3.10	1283974	4.52	1174087	8.01
220-11150-7	MW-9D	249897	3.10	1274627	4.52	1142992	8.01
220-11150-2	MW-14D	260679	3.10	1400324	4.52	1321086	8.01
220-11150-3	MW-10D	272788	3.10	1382345	4.52	1225779	8.01
220-11150-1	MW-13D	267400	3.10	1378962	4.52	1218786	8.01
MSB 220-34907/12		273818	3.10	1561105	4.52	1367562	8.01
220-11150-6 MS	MW-2D MS	277637	3.10	1593973	4.52	1400219	8.01
220-11150-6 MSD	MW-2D MSD	282575	3.10	1621199	4.52	1421093	8.01

CBM = Chlorobromomethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Connecticut</u>	Job No.: <u>220-11150-1</u>
SDG No.: <u>220-11150</u>	
Client Sample ID: <u>MW-13D</u>	Lab Sample ID: <u>220-11150-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>Y9433.D</u>
Analysis Method: <u>OLM04.2/Vol</u>	Date Collected: <u>12/21/2009 10:55</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>12/30/2009 18:27</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>5</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-VMS</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>34907</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	50	U	50	0.50
75-01-4	Vinyl chloride	760		50	0.50
74-83-9	Bromomethane	50	U *	50	0.50
75-00-3	Chloroethane	50	U	50	0.50
75-35-4	1,1-Dichloroethene	50	U	50	0.50
75-15-0	Carbon disulfide	9.5	J	50	0.50
67-64-1	Acetone	6.3	J * B	50	0.50
75-09-2	Methylene Chloride	2.2	J B	50	0.50
75-34-3	1,1-Dichloroethane	50	U	50	0.50
78-93-3	Methyl Ethyl Ketone	50	U *	50	0.50
67-66-3	Chloroform	50	U	50	0.50
71-55-6	1,1,1-Trichloroethane	50	U	50	0.50
56-23-5	Carbon tetrachloride	50	U	50	0.50
71-43-2	Benzene	4.1	J	50	0.50
107-06-2	1,2-Dichloroethane	50	U	50	0.50
79-01-6	Trichloroethene	50	U	50	0.50
78-87-5	1,2-Dichloropropane	50	U	50	0.50
75-27-4	Bromodichloromethane	50	U	50	0.50
10061-01-5	cis-1,3-Dichloropropene	50	U	50	0.50
108-10-1	methyl isobutyl ketone	2.1	J	50	0.50
108-88-3	Toluene	5.8	J	50	0.50
10061-02-6	trans-1,3-Dichloropropene	50	U	50	0.50
79-00-5	1,1,2-Trichloroethane	50	U	50	0.50
127-18-4	Tetrachloroethene	50	U	50	0.50
591-78-6	2-Hexanone	50	U *	50	0.50
124-48-1	Dibromochloromethane	50	U	50	0.50
108-90-7	Chlorobenzene	50	U	50	0.50
100-41-4	Ethylbenzene	50	U	50	0.50
100-42-5	Styrene	50	U	50	0.50
75-25-2	Bromoform	50	U	50	0.50
79-34-5	1,1,2,2-Tetrachloroethane	50	U	50	0.50
1330-20-7	Xylenes, Total	2.3	J	50	0.50
156-59-2	cis-1,2-Dichloroethene	120		50	0.50
156-60-5	trans-1,2-Dichloroethene	11	J	50	0.50
75-71-8	Dichlorodifluoromethane	50	U	50	0.50
75-69-4	Trichlorofluoromethane	50	U	50	0.50

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
 SDG No.: 220-11150
 Client Sample ID: MW-13D Lab Sample ID: 220-11150-1
 Matrix: Water Lab File ID: Y9433.D
 Analysis Method: OLM04.2/Vol Date Collected: 12/21/2009 10:55
 Sample wt/vol: 5 (mL) Date Analyzed: 12/30/2009 18:27
 Soil Aliquot Vol: _____ Dilution Factor: 5
 Soil Extract Vol.: _____ GC Column: RTX-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 34907 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	50	U	50	0.50
1634-04-4	Methyl tert-butyl ether	50	U	50	0.50
106-93-4	1,2-Dibromoethane	50	U	50	0.50
98-82-8	Isopropylbenzene	50	U	50	0.50
541-73-1	1,3-Dichlorobenzene	50	U	50	0.50
106-46-7	1,4-Dichlorobenzene	50	U	50	0.50
95-50-1	1,2-Dichlorobenzene	50	U	50	0.50
96-12-8	1,2-Dibromo-3-Chloropropane	50	U	50	0.50
120-82-1	1,2,4-Trichlorobenzene	50	U	50	0.50
79-20-9	Methyl acetate	50	U *	50	0.50
110-82-7	Cyclohexane	50	U	50	0.50
108-87-2	Methylcyclohexane	2.5	J	50	0.50

CAS NO.	SURROGATE	%REC	LIMITS	Q
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99	76-114	
460-00-4	4-Bromofluorobenzene	93	86-115	
2037-26-5	Toluene-d8 (Surr)	98	88-110	

STL-INC

Volatile Report CLP METHOD OLM 4.2

Data file : \\consvr05\files\chem\VOA\msy.i\Y099415.b\Y9433.D
Lab Smp Id: 220-11150-B-1 Client Smp ID: MW-13D
Inj Date : 30-DEC-2009 18:27 MS Autotune Date: 23-NOV-2009 10:24
Operator : D. HUMBERT Inst ID: msy.i
Smp Info : 220-11150-B-1
Misc Info : 220-11150-B-1
Comment :
Method : \\consvr05\Files\chem\VOA\msy.i\Y099415.b\YCLPW42.m
Meth Date : 05-Jan-2010 14:46 msy.i Quant Type: ISTD
Cal Date : 30-DEC-2009 10:11 Cal File: Y9416.D
Als bottle: 100
Dil Factor: 5.00000
Integrator: HP RTE
Target Version: 4.14
Compound Sublist: all.sub

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
* 1 Bromochloromethane	128		3.100	3.100 (1.000)		267400	50.0000	
5 Chlorodifluoromethane	51		0.832	0.832 (0.269)		1250	0.11349	0.6
7 Vinyl Chloride	62		0.944	0.944 (0.305)		1030257	152.296	760
15 Carbon Disulfide	76		1.517	1.517 (0.489)		36970	1.89298	9
17 Methylene Chloride	84		1.849	1.848 (0.596)		3262	0.43048	2
18 Acetone	43		1.891	1.886 (0.610)		4366	1.25077	6
20 trans-1,2-Dichloroethene	96		1.956	1.955 (0.631)		16677	2.20376	11
26 cis-1,2-Dichloroethene	96		2.902	2.902 (0.936)		183338	23.3011	120
\$ 33 1,2-Dichloroethane-d4	65		3.940	3.940 (1.271)		465445	49.6978	50
* 34 1,4-Difluorobenzene	114		4.523	4.523 (1.000)		1378962	50.0000	
38 Benzene	78		3.791	3.790 (0.838)		21025	0.82269	4
40 Methyl Cyclohexane	83		4.432	4.432 (0.980)		3847	0.50585	2
* 51 Chlorobenzene-d5	117		8.011	8.017 (1.000)		1218786	50.0000	
52 Toluene	91		6.171	6.171 (0.770)		35165	1.15723	6
\$ 53 Toluene-d8	98		6.112	6.112 (0.763)		1231362	49.0899	49
54 4-Methyl-2-Pentanone	43		6.701	6.695 (0.836)		2521	0.42801	2
61 Xylene (total)mp	106		8.327	8.332 (1.039)		4009	0.32788	2
62 Xylene (total)o	106		8.873	8.873 (1.108)		1485	0.13421	0.7
\$ 72 Bromofluorobenzene	95		9.584	9.584 (1.196)		417009	46.5718	46
M 73 1,2-Dichloroethene (total)	100					200015	25.5048	130
M 74 Xylene (total)	100					5494	0.46209	2

Data File: Y9433.D

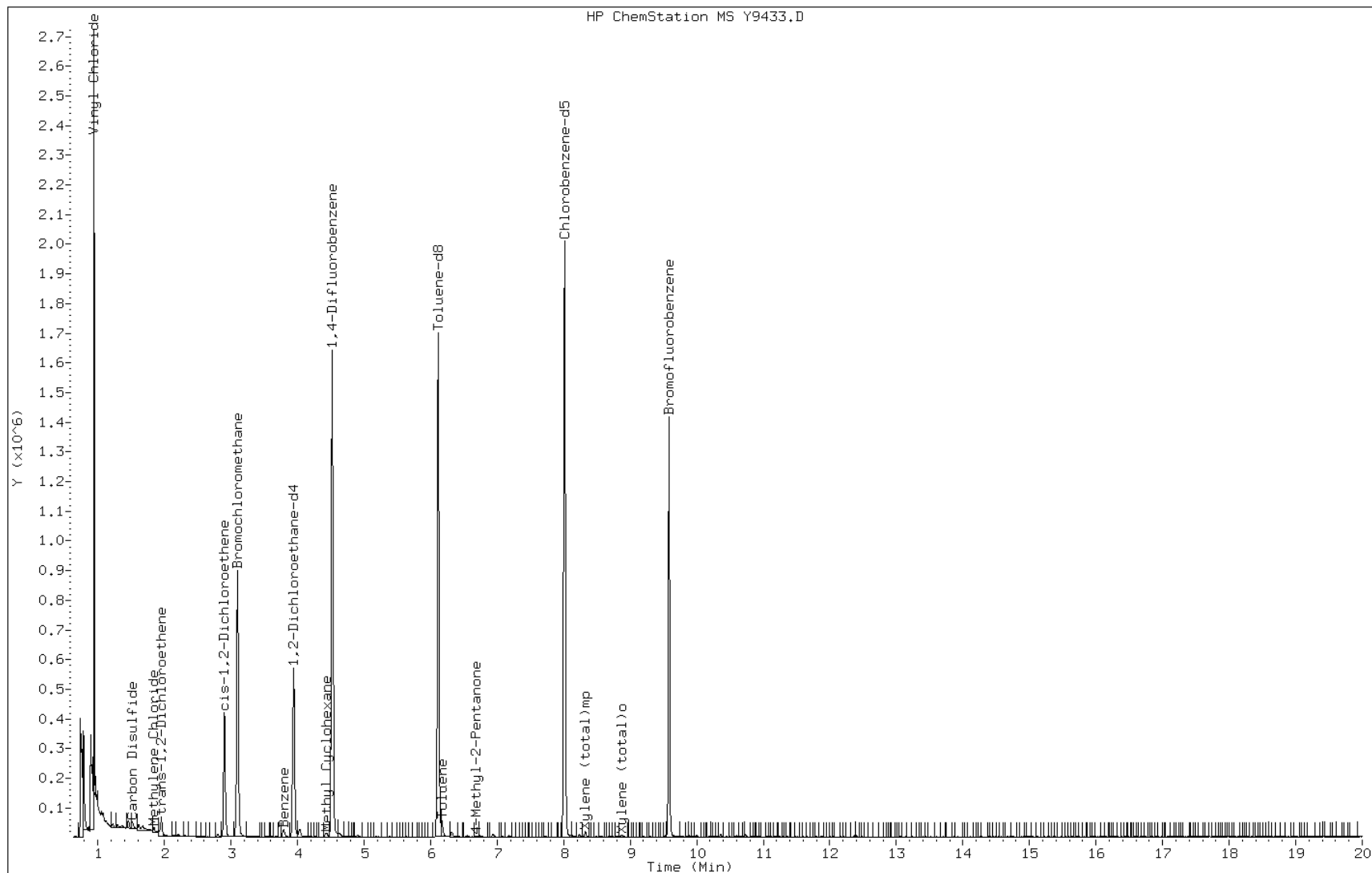
Date: 30-DEC-2009 18:27

Client ID: MW-13D

Instrument: msy.i

Sample Info: 220-11150-B-1

Operator: D. HUMBERT



Data File: Y9433.D

Date: 30-DEC-2009 18:27

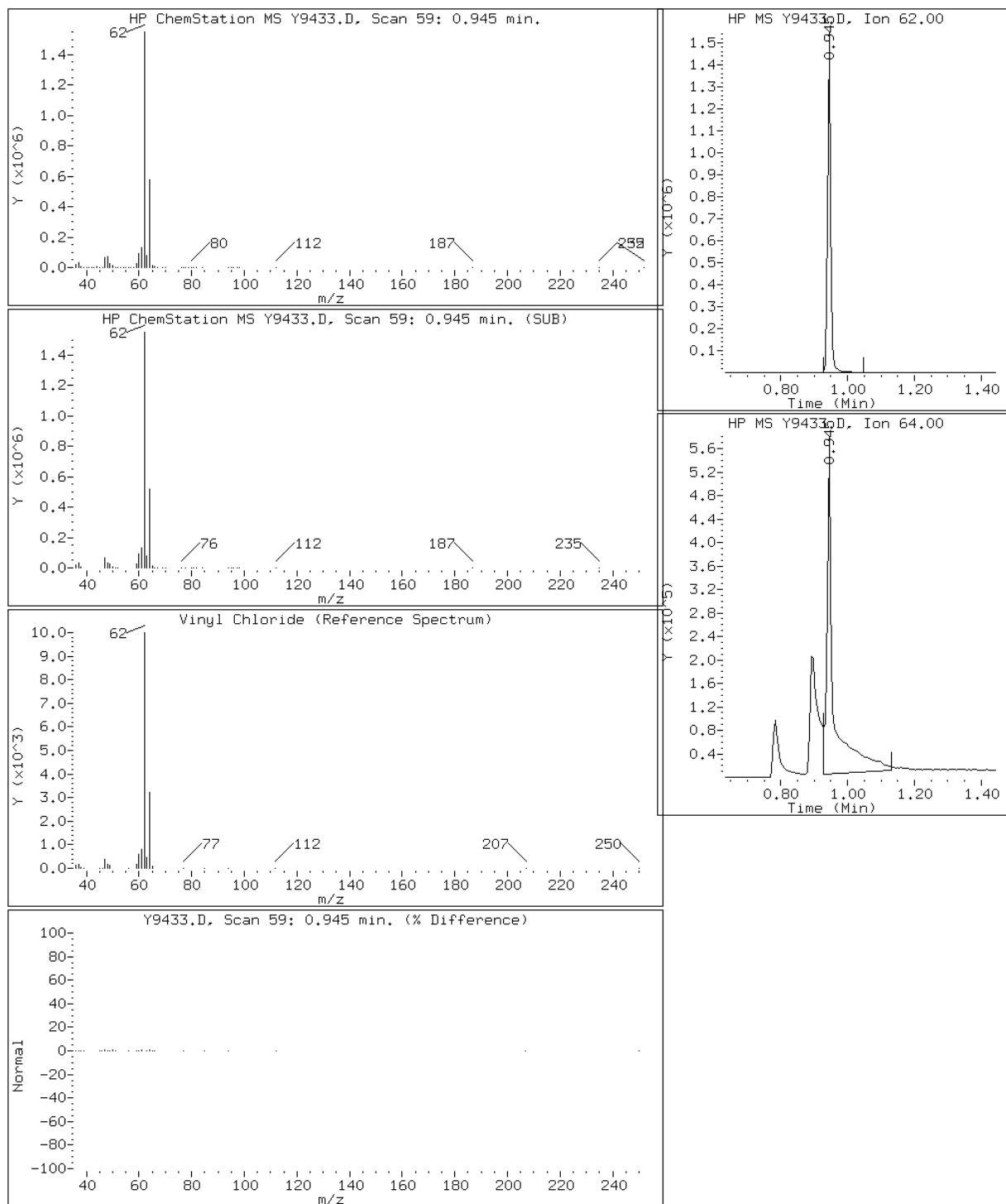
Client ID: MW-13D

Instrument: msy.i

Sample Info: 220-11150-B-1

Operator: D. HUMBERT

7 Vinyl Chloride



Data File: Y9433.D

Date: 30-DEC-2009 18:27

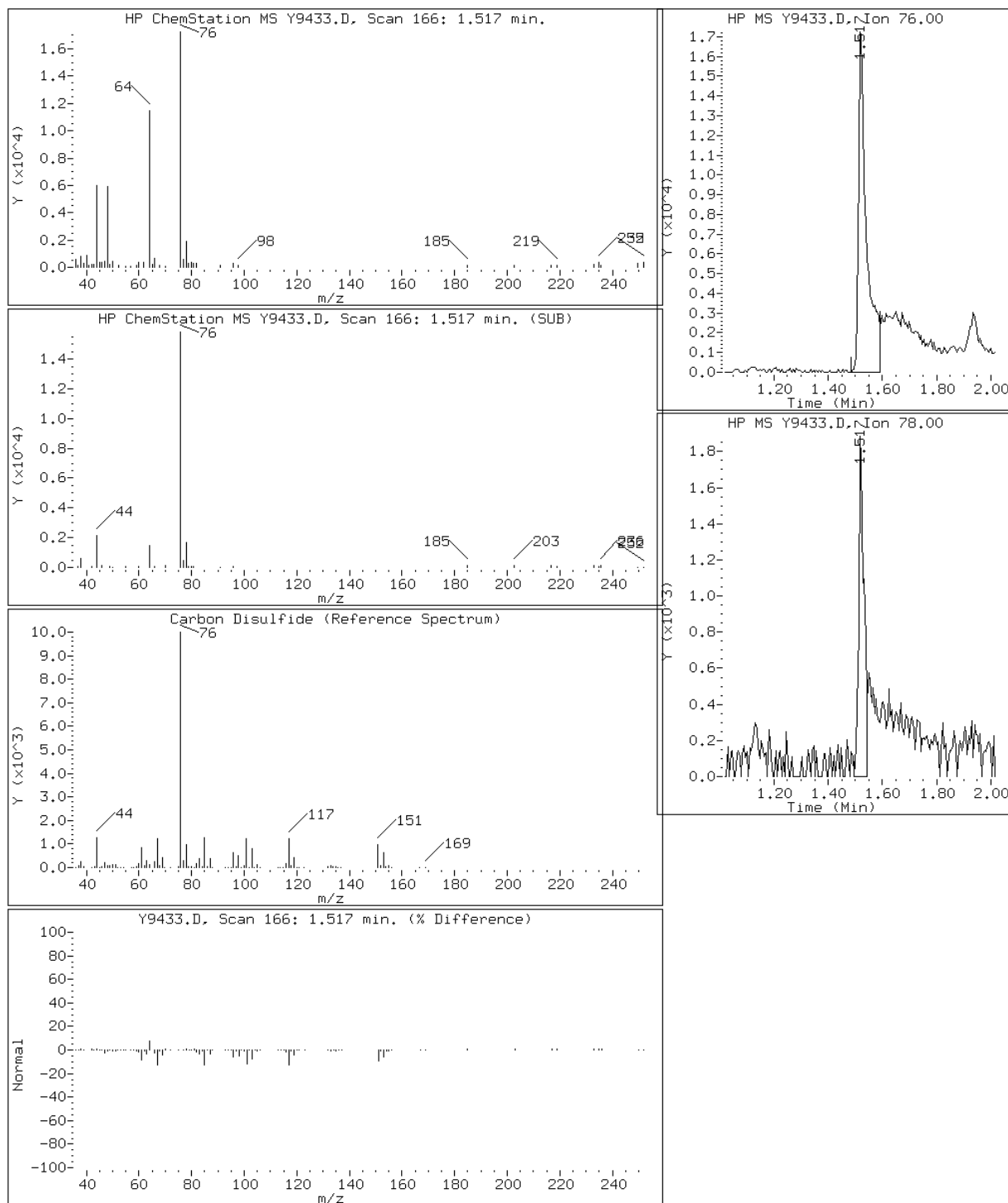
Client ID: MW-13D

Instrument: msy.i

Sample Info: 220-11150-B-1

Operator: D. HUMBERT

15 Carbon Disulfide



Data File: Y9433.D

Date: 30-DEC-2009 18:27

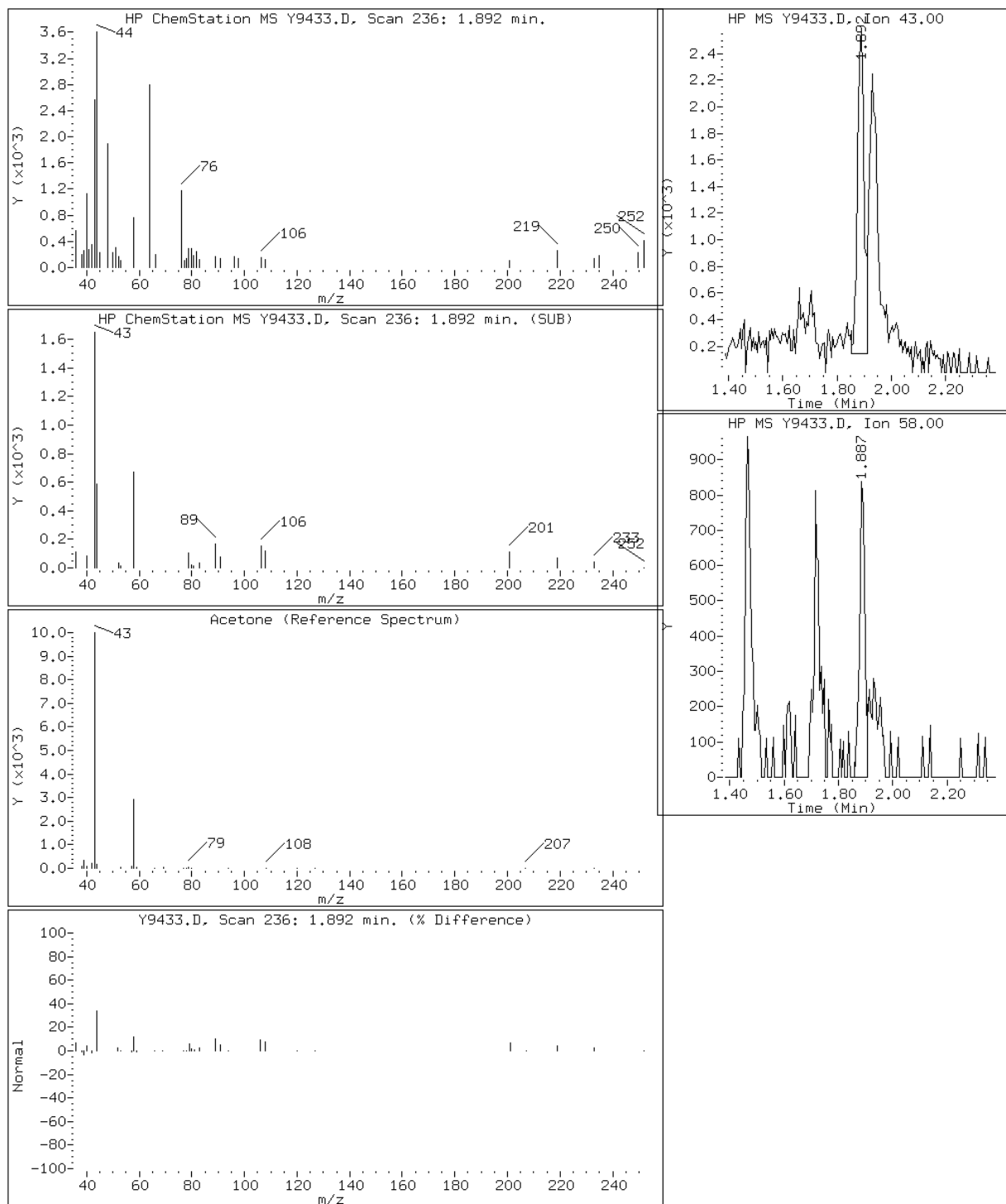
Client ID: MW-13D

Instrument: msy.i

Sample Info: 220-11150-B-1

Operator: D. HUMBERT

18 Acetone



Data File: Y9433.D

Date: 30-DEC-2009 18:27

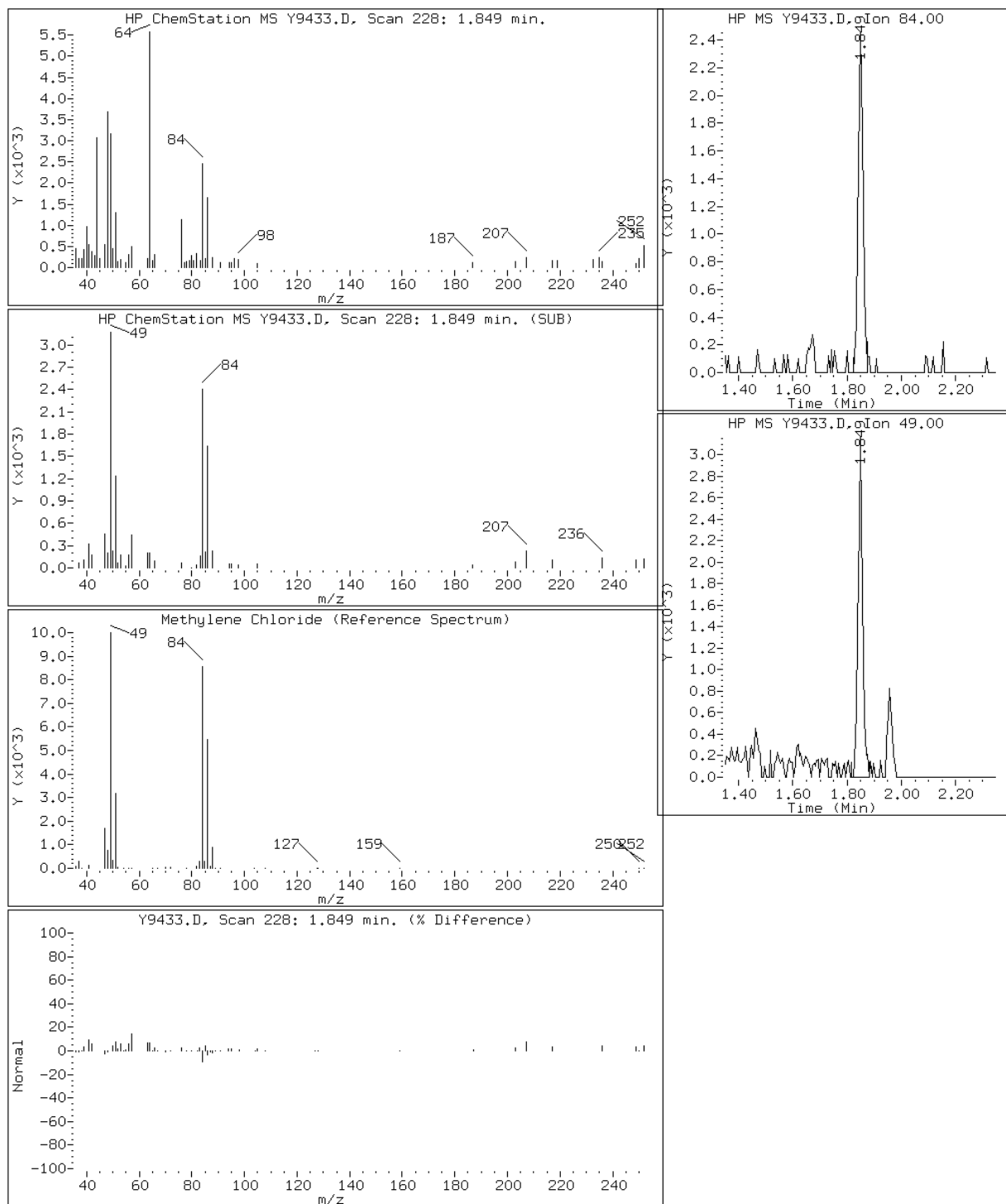
Client ID: MW-13D

Instrument: msy.i

Sample Info: 220-11150-B-1

Operator: D. HUMBERT

17 Methylene Chloride



Data File: Y9433.D

Date: 30-DEC-2009 18:27

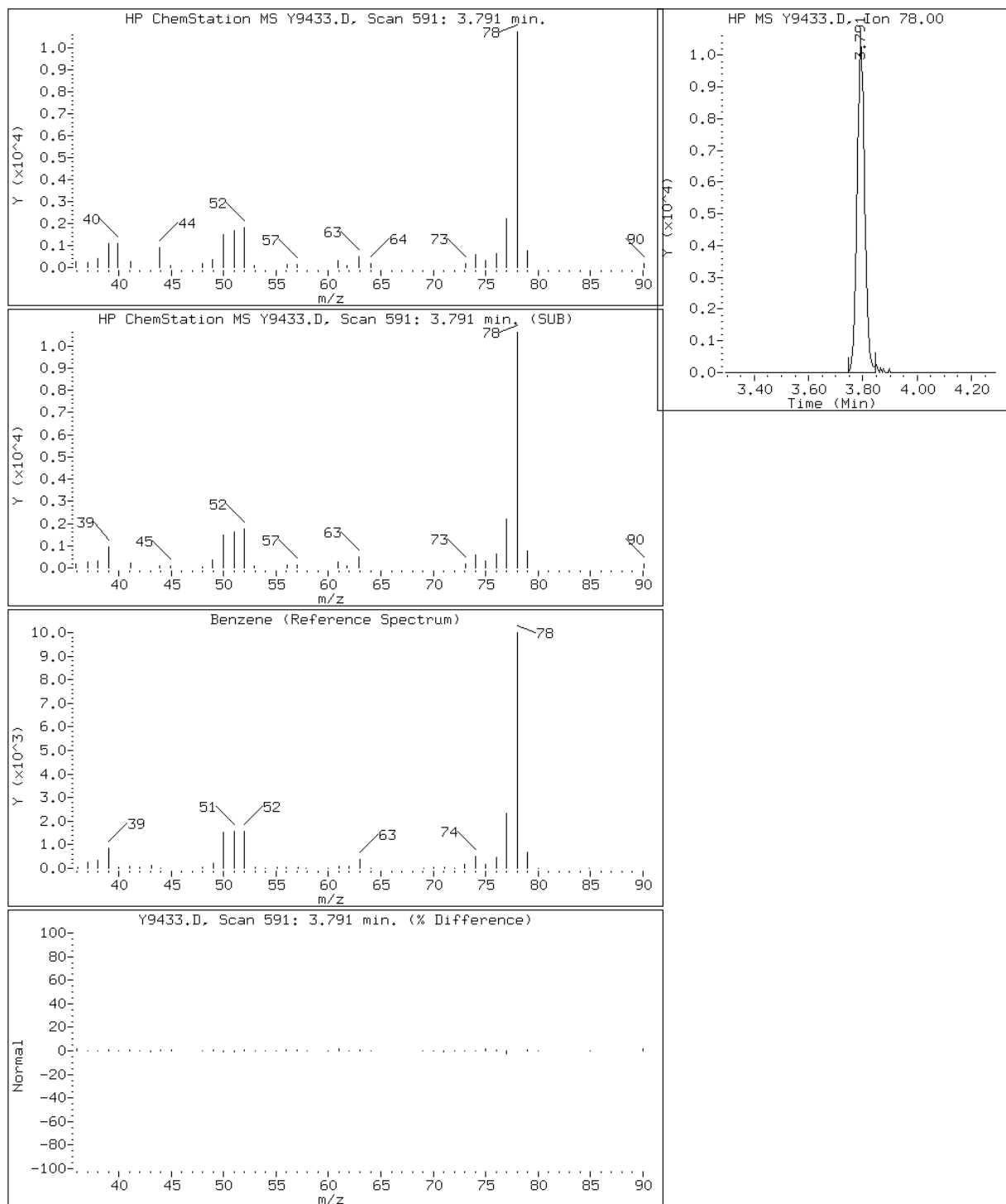
Client ID: MW-13D

Instrument: msy.i

Sample Info: 220-11150-B-1

Operator: D. HUMBERT

38 Benzene



Data File: Y9433.D

Date: 30-DEC-2009 18:27

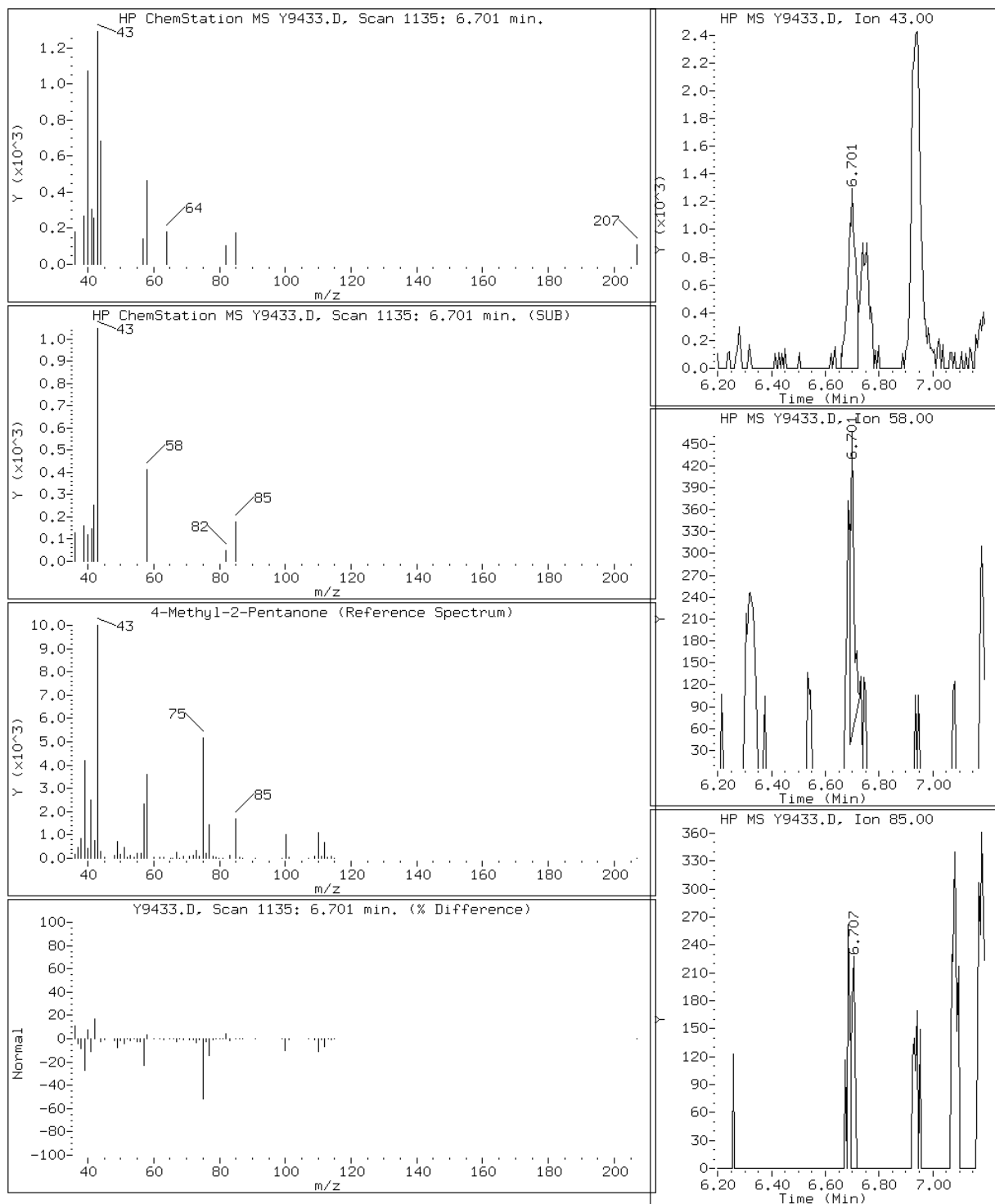
Client ID: MW-13D

Instrument: msy.i

Sample Info: 220-11150-B-1

Operator: D. HUMBERT

54 4-Methyl-2-Pentanone



Data File: Y9433.D

Date: 30-DEC-2009 18:27

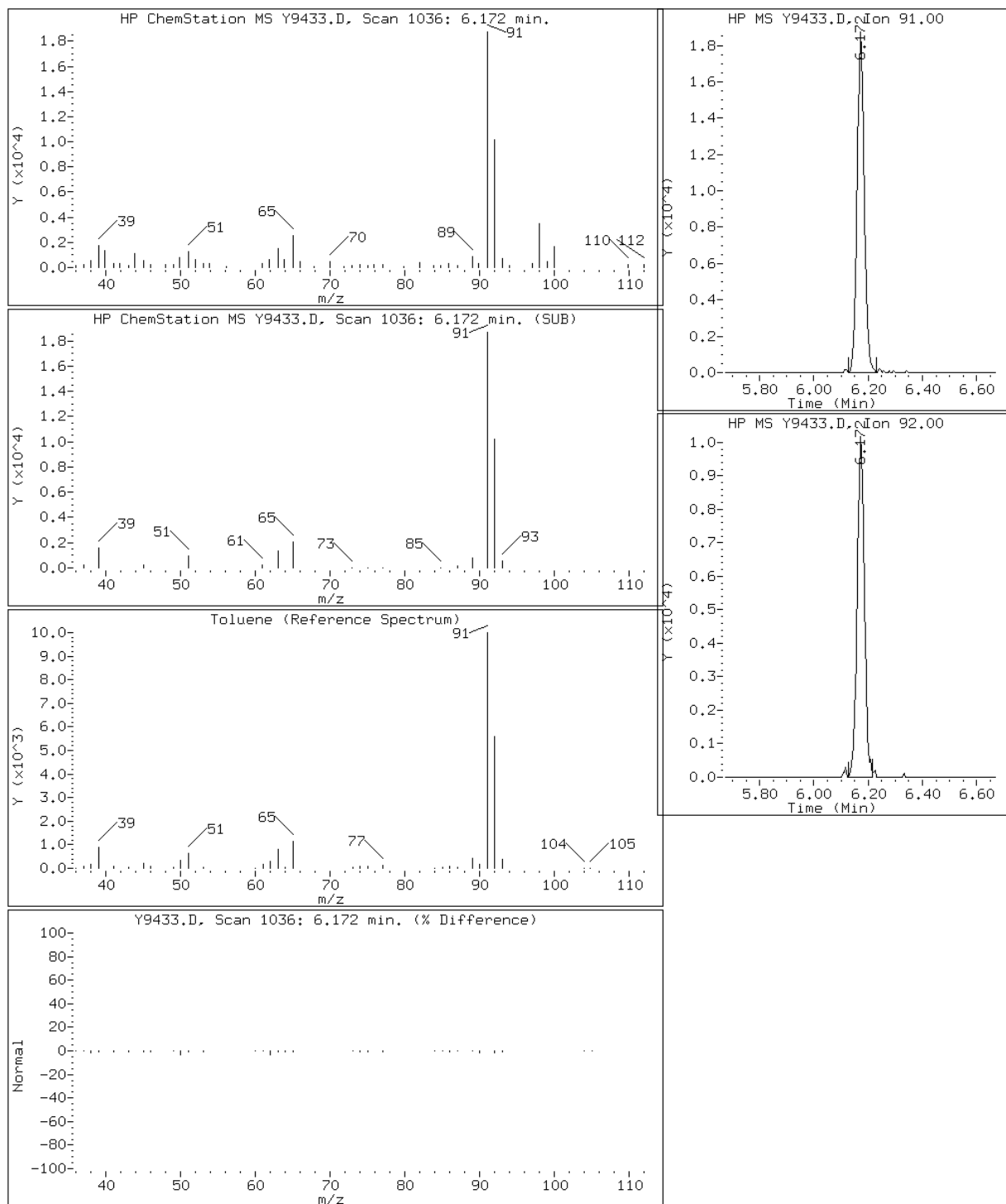
Client ID: MW-13D

Instrument: msy.i

Sample Info: 220-11150-B-1

Operator: D. HUMBERT

52 Toluene



Data File: Y9433.D

Date: 30-DEC-2009 18:27

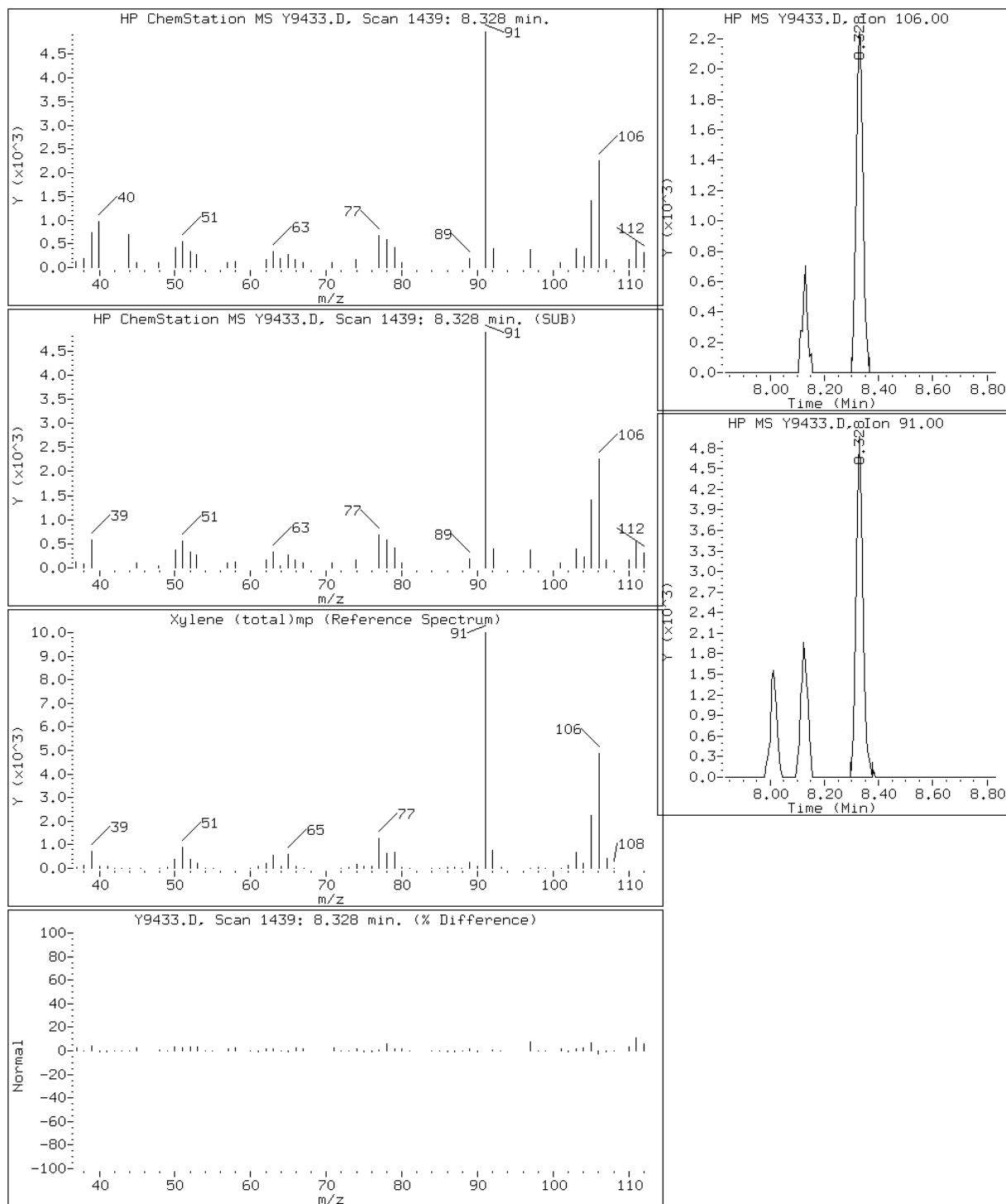
Client ID: MW-13D

Instrument: msy.i

Sample Info: 220-11150-B-1

Operator: D. HUMBERT

61 Xylene (total)mp



Data File: Y9433.D

Date: 30-DEC-2009 18:27

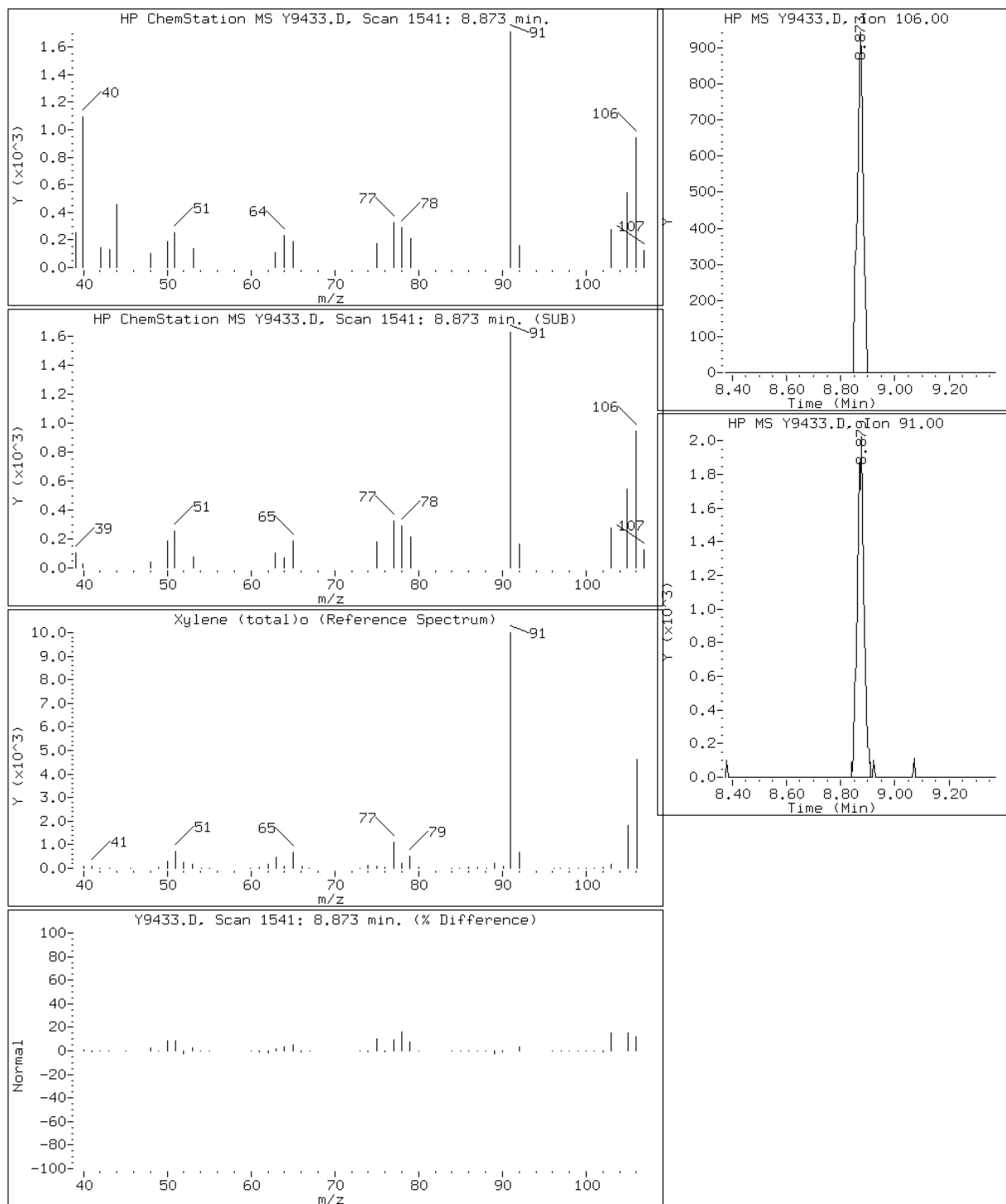
Client ID: MW-13D

Instrument: msy.i

Sample Info: 220-11150-B-1

Operator: D. HUMBERT

62 Xylene (total)o



Data File: Y9433.D

Date: 30-DEC-2009 18:27

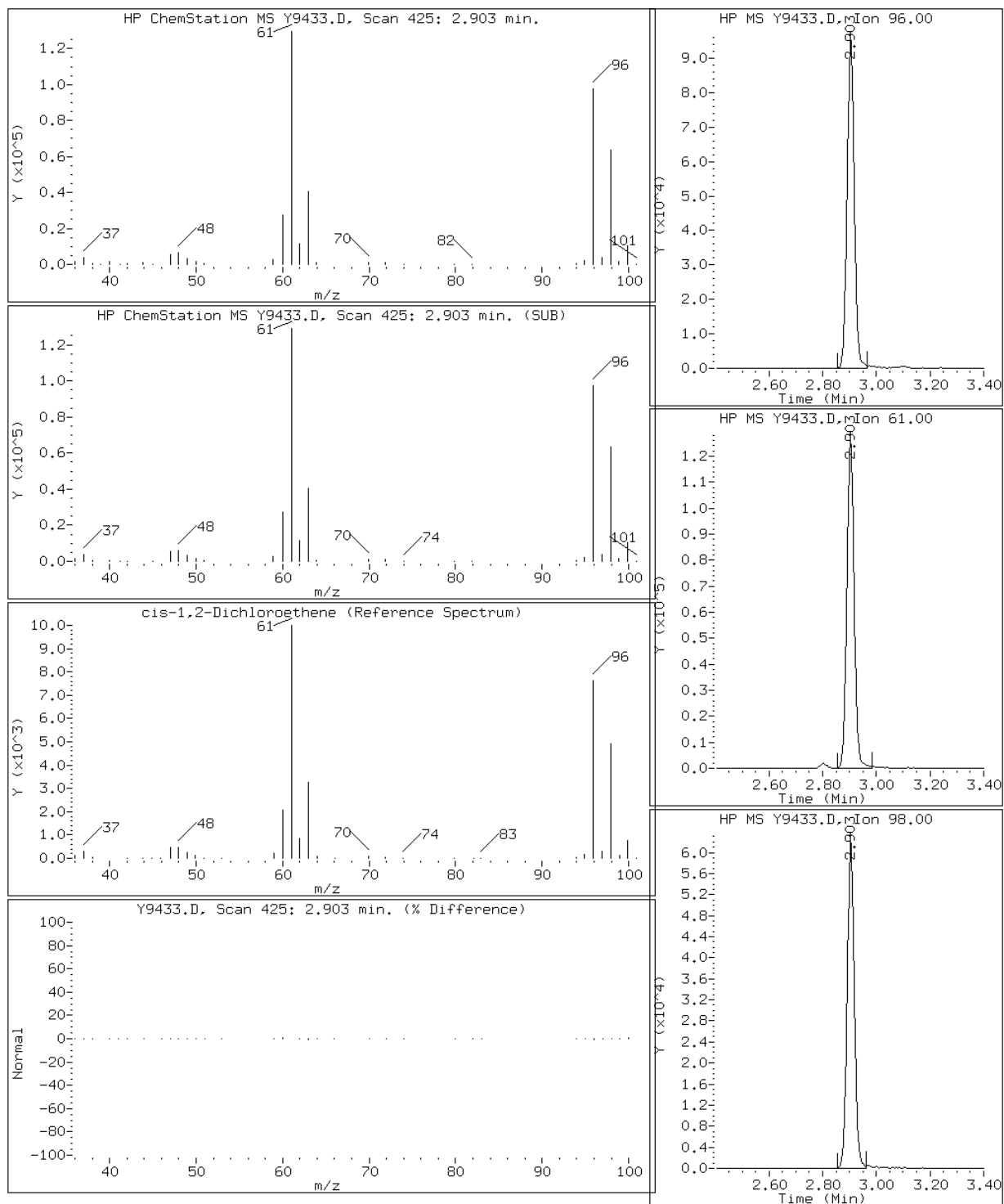
Client ID: MW-13D

Instrument: msy.i

Sample Info: 220-11150-B-1

Operator: D. HUMBERT

26 cis-1,2-Dichloroethene



Data File: Y9433.D

Date: 30-DEC-2009 18:27

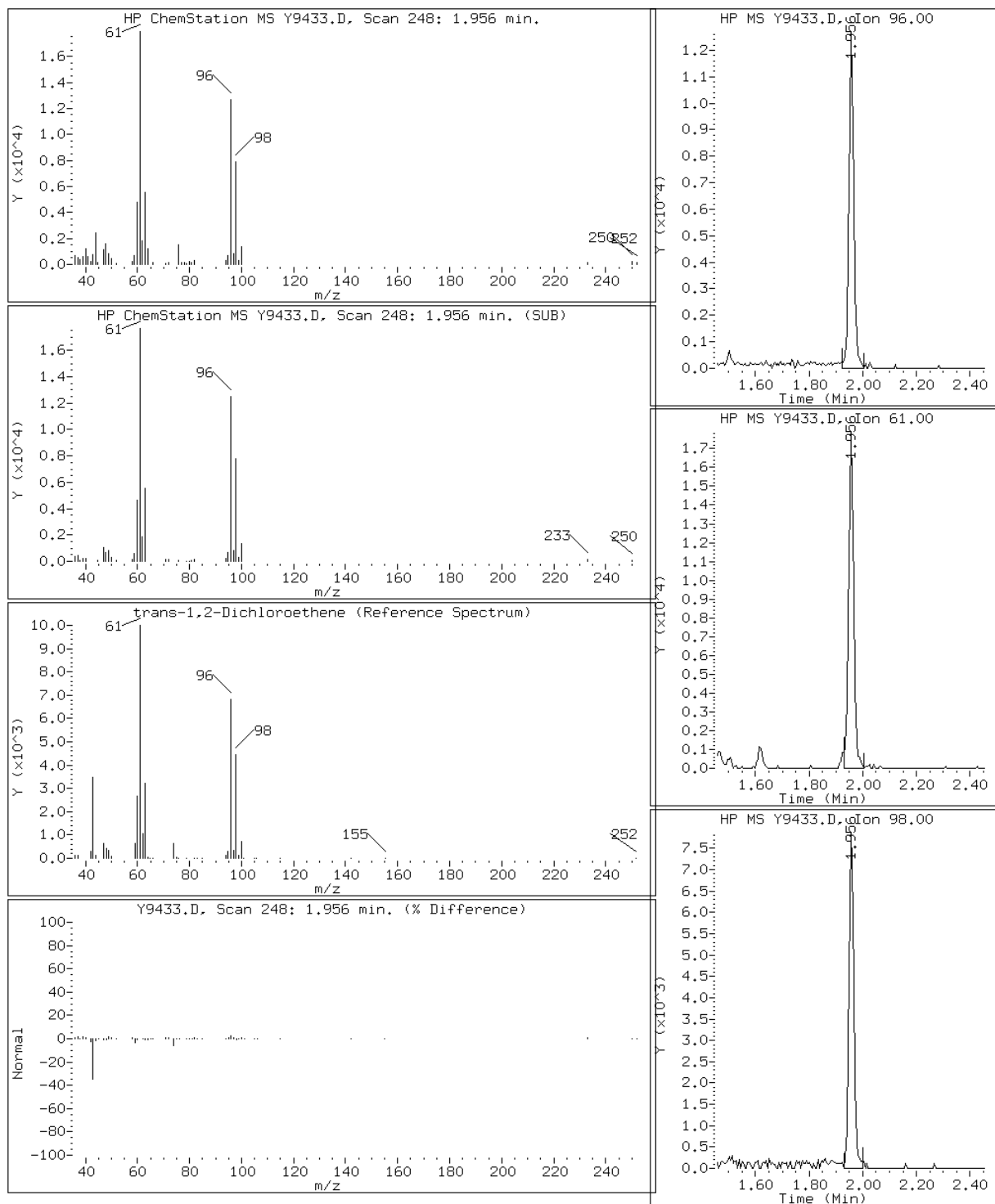
Client ID: MW-13D

Instrument: msy.i

Sample Info: 220-11150-B-1

Operator: D. HUMBERT

20 trans-1,2-Dichloroethene



Data File: Y9433.D

Date: 30-DEC-2009 18:27

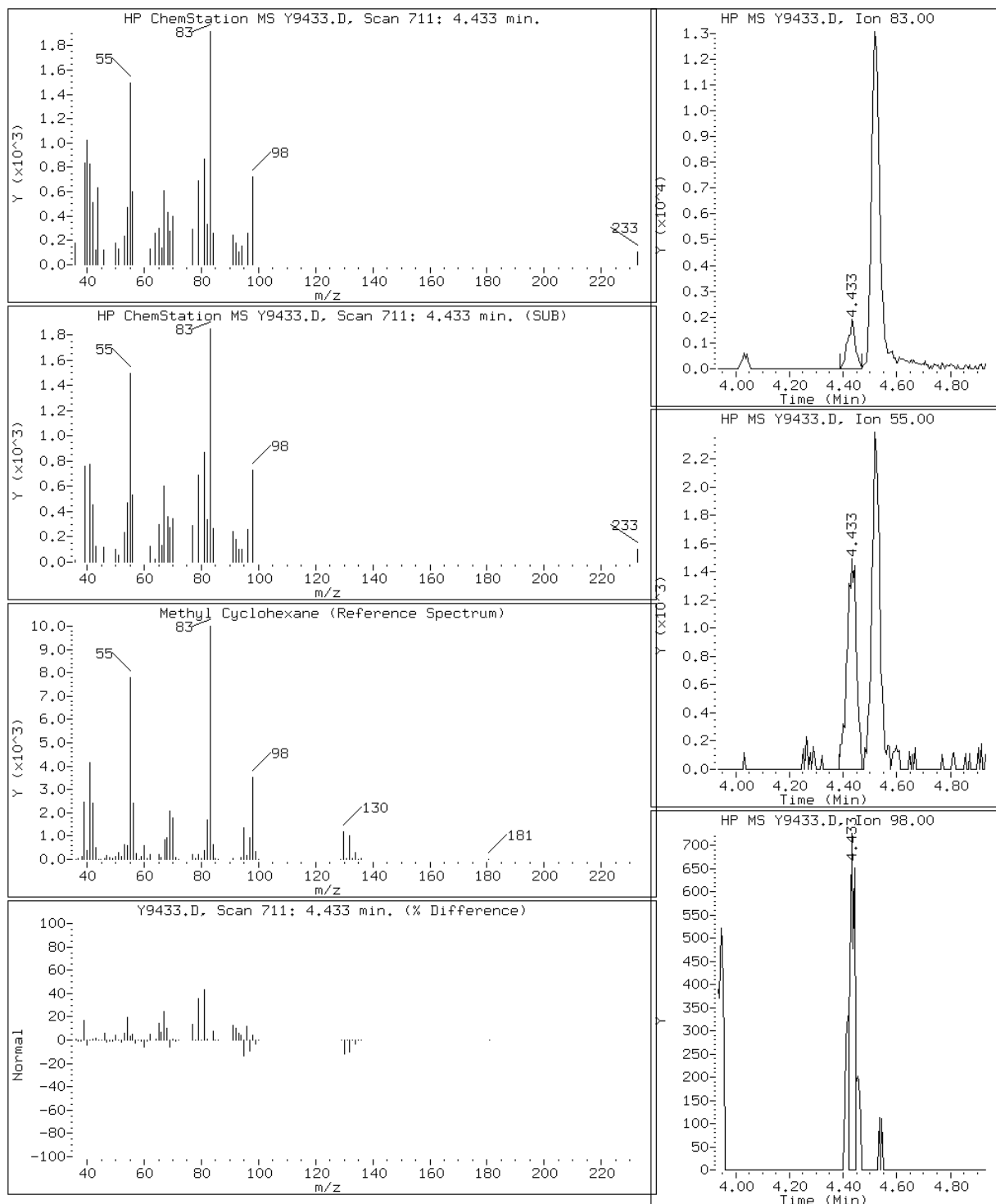
Client ID: MW-13D

Instrument: msy.i

Sample Info: 220-11150-B-1

Operator: D. HUMBERT

40 Methyl Cyclohexane



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Connecticut</u>	Job No.: <u>220-11150-1</u>
SDG No.: <u>220-11150</u>	
Client Sample ID: <u>MW-14D</u>	Lab Sample ID: <u>220-11150-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>Y9431.D</u>
Analysis Method: <u>OLM04.2/Vol</u>	Date Collected: <u>12/21/2009 11:40</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>12/30/2009 17:34</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-VMS</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>34907</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	10	U	10	0.10
75-01-4	Vinyl chloride	3.1	J	10	0.10
74-83-9	Bromomethane	10	U *	10	0.10
75-00-3	Chloroethane	10	U	10	0.10
75-35-4	1,1-Dichloroethene	10	U	10	0.10
75-15-0	Carbon disulfide	2.6	J	10	0.10
67-64-1	Acetone	2.4	J * B	10	0.10
75-09-2	Methylene Chloride	0.35	J B	10	0.10
75-34-3	1,1-Dichloroethane	10	U	10	0.10
78-93-3	Methyl Ethyl Ketone	0.72	J *	10	0.10
67-66-3	Chloroform	10	U	10	0.10
71-55-6	1,1,1-Trichloroethane	10	U	10	0.10
56-23-5	Carbon tetrachloride	10	U	10	0.10
71-43-2	Benzene	2.9	J	10	0.10
107-06-2	1,2-Dichloroethane	10	U	10	0.10
79-01-6	Trichloroethene	0.35	J	10	0.10
78-87-5	1,2-Dichloropropane	10	U	10	0.10
75-27-4	Bromodichloromethane	10	U	10	0.10
10061-01-5	cis-1,3-Dichloropropene	10	U	10	0.10
108-10-1	methyl isobutyl ketone	10	U	10	0.10
108-88-3	Toluene	15		10	0.10
10061-02-6	trans-1,3-Dichloropropene	10	U	10	0.10
79-00-5	1,1,2-Trichloroethane	10	U	10	0.10
127-18-4	Tetrachloroethene	10	U	10	0.10
591-78-6	2-Hexanone	10	U *	10	0.10
124-48-1	Dibromochloromethane	10	U	10	0.10
108-90-7	Chlorobenzene	10	U	10	0.10
100-41-4	Ethylbenzene	1.3	J	10	0.10
100-42-5	Styrene	10	U	10	0.10
75-25-2	Bromoform	10	U	10	0.10
79-34-5	1,1,2,2-Tetrachloroethane	10	U	10	0.10
1330-20-7	Xylenes, Total	6.2	J	10	0.10
156-59-2	cis-1,2-Dichloroethene	0.29	J	10	0.10
156-60-5	trans-1,2-Dichloroethene	4.0	J	10	0.10
75-71-8	Dichlorodifluoromethane	10	U	10	0.10
75-69-4	Trichlorofluoromethane	10	U	10	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
 SDG No.: 220-11150
 Client Sample ID: MW-14D Lab Sample ID: 220-11150-2
 Matrix: Water Lab File ID: Y9431.D
 Analysis Method: OLM04.2/Vol Date Collected: 12/21/2009 11:40
 Sample wt/vol: 5 (mL) Date Analyzed: 12/30/2009 17:34
 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.: 34907 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	0.10
1634-04-4	Methyl tert-butyl ether	10	U	10	0.10
106-93-4	1,2-Dibromoethane	10	U	10	0.10
98-82-8	Isopropylbenzene	10	U	10	0.10
541-73-1	1,3-Dichlorobenzene	10	U	10	0.10
106-46-7	1,4-Dichlorobenzene	10	U	10	0.10
95-50-1	1,2-Dichlorobenzene	10	U	10	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	10	0.10
120-82-1	1,2,4-Trichlorobenzene	10	U	10	0.10
79-20-9	Methyl acetate	10	U *	10	0.10
110-82-7	Cyclohexane	10	U	10	0.10
108-87-2	Methylcyclohexane	0.63	J	10	0.10

CAS NO.	SURROGATE	%REC	LIMITS	Q
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103	76-114	
460-00-4	4-Bromofluorobenzene	100	86-115	
2037-26-5	Toluene-d8 (Surr)	96	88-110	

STL-INC

Volatile Report CLP METHOD OLM 4.2

Data file : \\consrv05\files\chem\VOA\msy.i\Y099415.b\Y9431.D
Lab Smp Id: 220-11150-A-2 Client Smp ID: MW-14D
Inj Date : 30-DEC-2009 17:34 MS Autotune Date: 23-NOV-2009 10:24
Operator : D. HUMBERT Inst ID: msy.i
Smp Info : 220-11150-A-2
Misc Info : 220-11150-A-2
Comment :
Method : \\consrv05\Files\chem\VOA\msy.i\Y099415.b\YCLPW42.m
Meth Date : 05-Jan-2010 14:46 msy.i Quant Type: ISTD
Cal Date : 30-DEC-2009 10:11 Cal File: Y9416.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.14
Compound Sublist: all.sub

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

						CONCENTRATIONS		
		QUANT	SIG			ON-COLUMN	FINAL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====		=====	=====	=====	=====	=====	=====	=====
*	1 Bromochloromethane	128	3.100	3.100	(1.000)	260679	50.0000	
	7 Vinyl Chloride	62	0.944	0.944	(0.305)	20703	3.13930	3
	15 Carbon Disulfide	76	1.522	1.517	(0.491)	49620	2.60621	3
	17 Methylene Chloride	84	1.848	1.848	(0.596)	2568	0.34763	0.3
	18 Acetone	43	1.886	1.886	(0.608)	8285	2.43468	2
	20 trans-1,2-Dichloroethene	96	1.955	1.955	(0.631)	29610	4.01365	4
	23 tert-Butyl alcohol	59	2.127	2.127	(0.686)	4085	9.92474	10
	26 cis-1,2-Dichloroethene	96	2.902	2.902	(0.936)	2201	0.28694	0.3
	28 Tetrahydrofuran	42	3.362	3.352	(1.085)	857	0.46907	0.5
	29 2-Butanone	43	3.544	3.534	(1.143)	2572	0.71805	0.7
\$	33 1,2-Dichloroethane-d4	65	3.940	3.940	(1.271)	472377	51.7384	52
*	34 1,4-Difluorobenzene	114	4.523	4.523	(1.000)	1400324	50.0000	
	38 Benzene	78	3.796	3.790	(0.839)	75120	2.89455	3
	40 Methyl Cyclohexane	83	4.432	4.432	(0.980)	4873	0.63098	0.6
	41 Trichloroethene	130	4.454	4.459	(0.985)	2700	0.34520	0.3
*	51 Chlorobenzene-d5	117	8.011	8.017	(1.000)	1321086	50.0000	
	52 Toluene	91	6.171	6.171	(0.770)	488475	14.8302	15
\$	53 Toluene-d8	98	6.112	6.112	(0.763)	1300794	47.8422	48
	60 Ethylbenzene	106	8.124	8.129	(1.014)	13622	1.25124	1
	61 Xylene (total)mp	106	8.327	8.332	(1.039)	66510	5.01835	5
	62 Xylene (total)o	106	8.873	8.873	(1.108)	14776	1.23200	1
\$	72 Bromofluorobenzene	95	9.579	9.584	(1.196)	486099	50.0840	50
M	73 1,2-Dichloroethene (total)	100				31811	4.30060	4

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====
M 74 Xylene (total)	100				81286	6.25036	6

Data File: Y9431.D

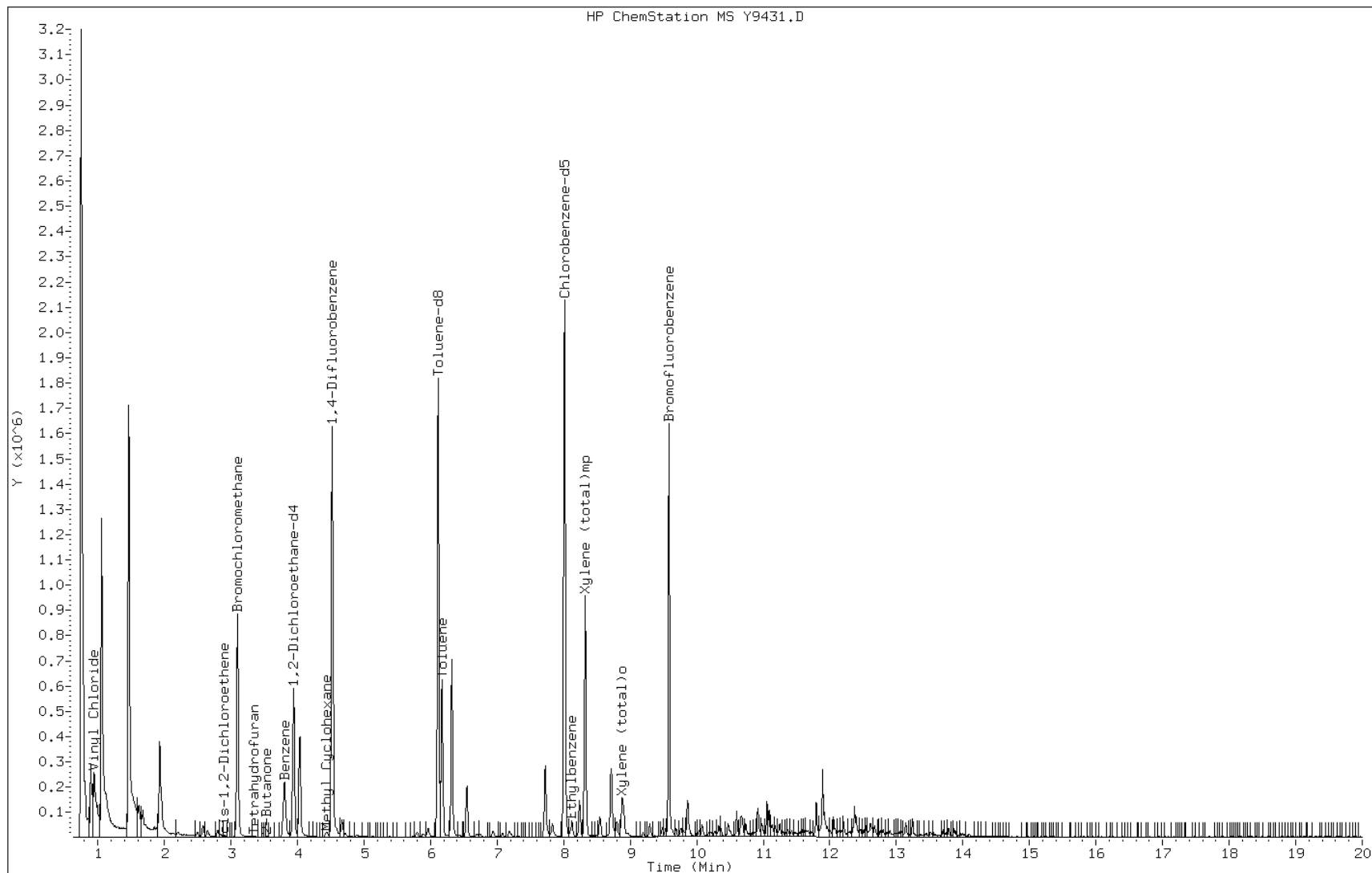
Date: 30-DEC-2009 17:34

Client ID: MW-14D

Instrument: msy.i

Sample Info: 220-11150-A-2

Operator: D. HUMBERT



Data File: Y9431.D

Date: 30-DEC-2009 17:34

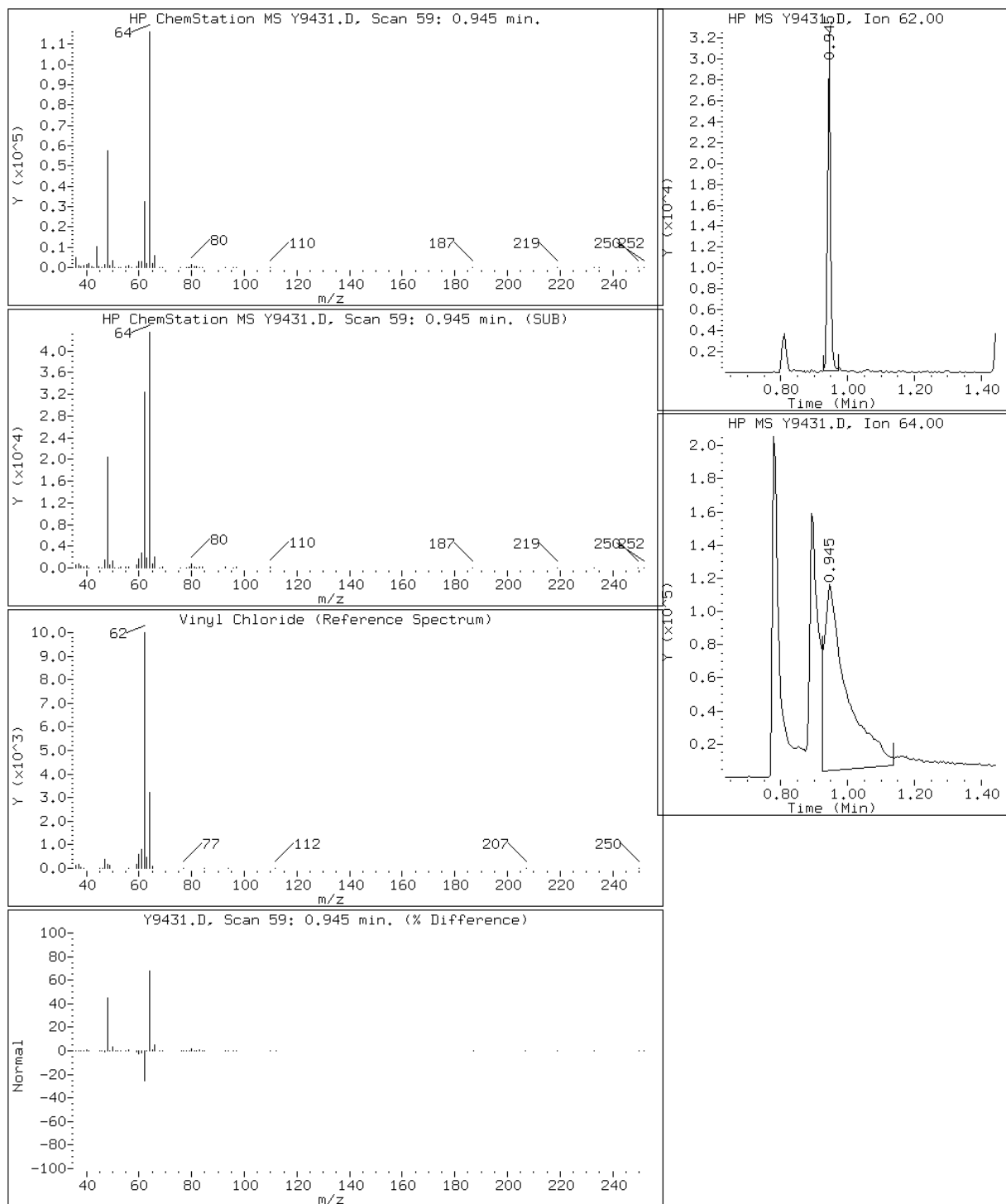
Client ID: MW-14D

Instrument: msy.i

Sample Info: 220-11150-A-2

Operator: D. HUMBERT

7 Vinyl Chloride



Data File: Y9431.D

Date: 30-DEC-2009 17:34

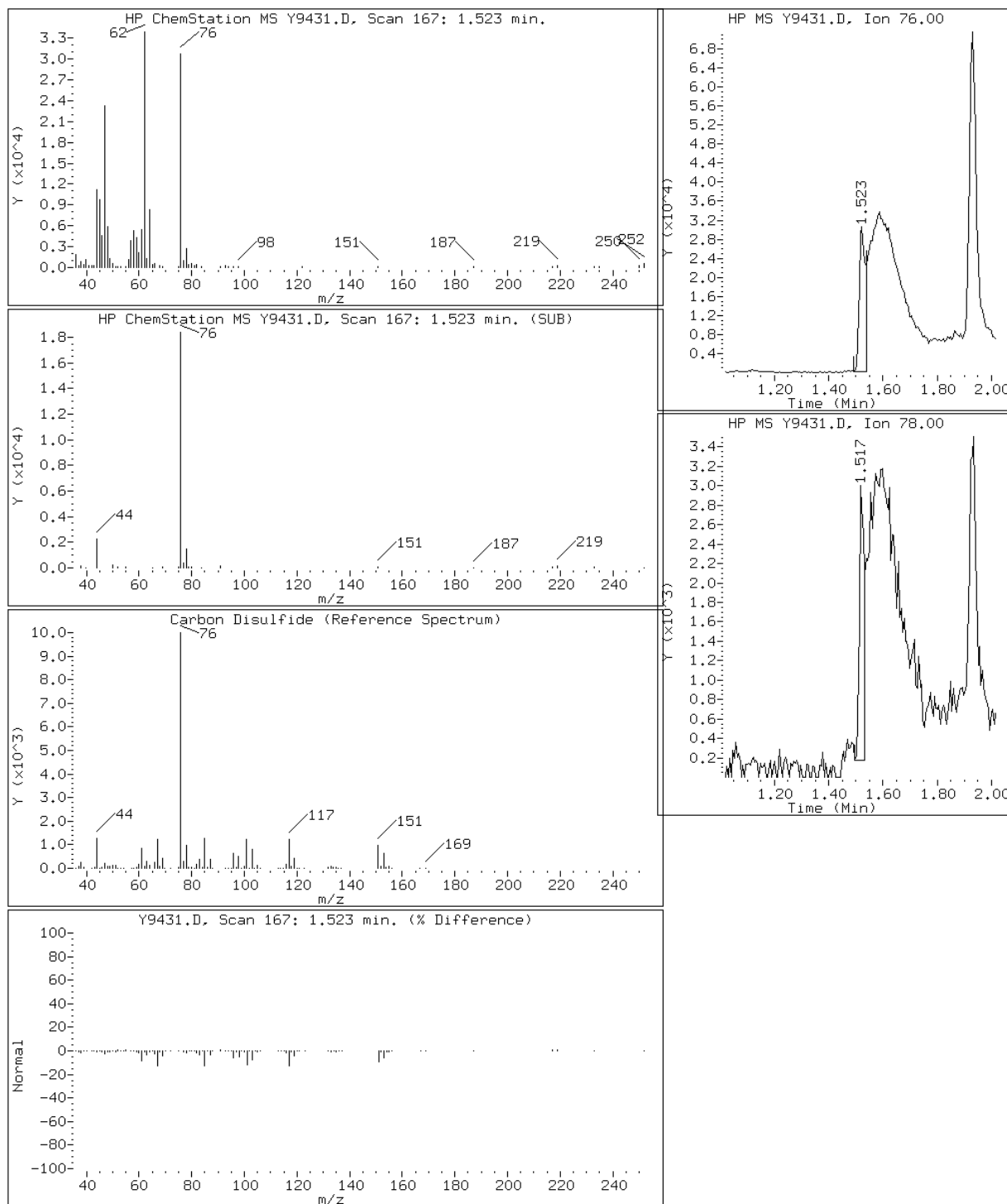
Client ID: MW-14D

Instrument: msy.i

Sample Info: 220-11150-A-2

Operator: D. HUMBERT

15 Carbon Disulfide



Data File: Y9431.D

Date: 30-DEC-2009 17:34

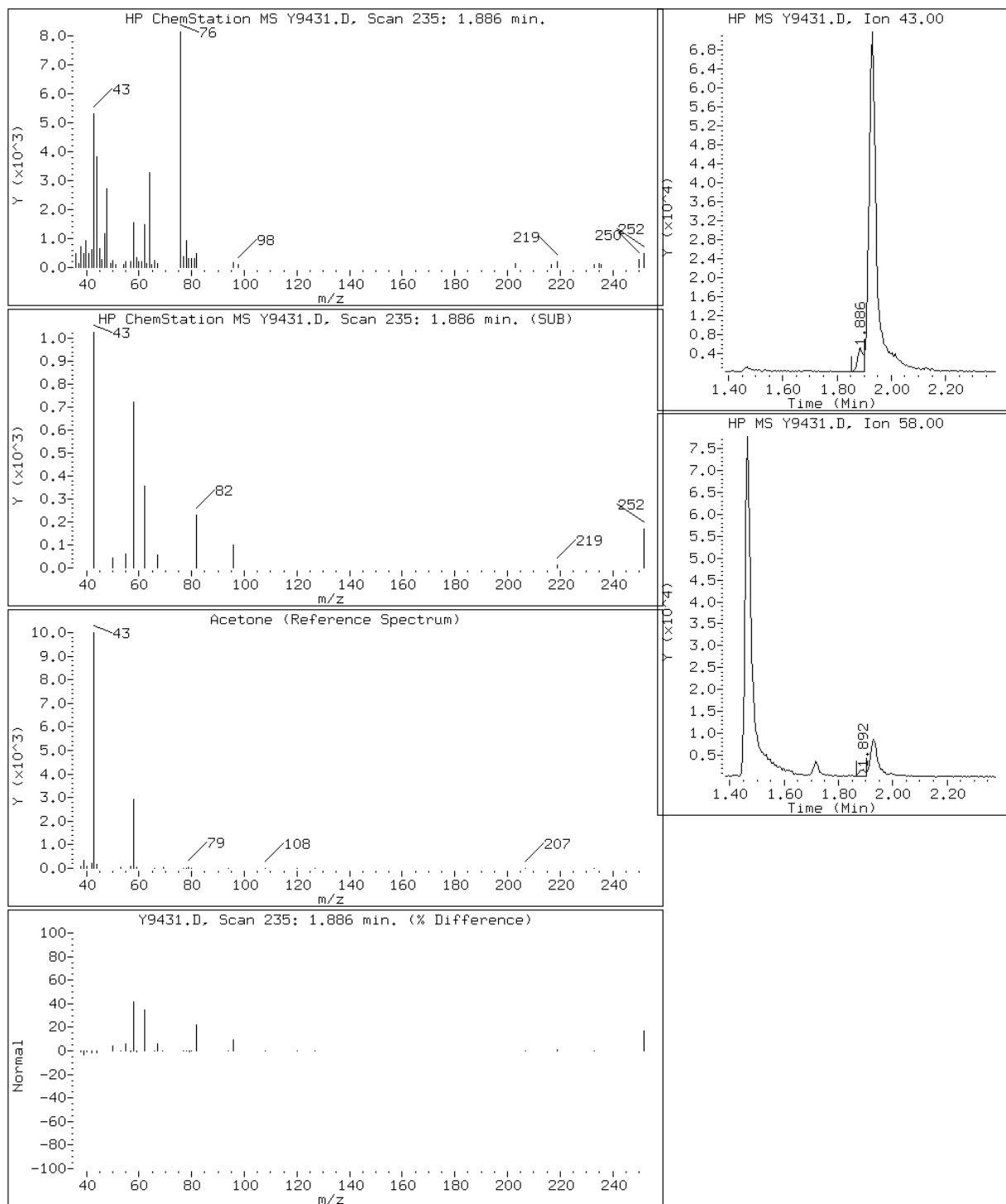
Client ID: MW-14D

Instrument: msy.i

Sample Info: 220-11150-A-2

Operator: D. HUMBERT

18 Acetone



Data File: Y9431.D

Date: 30-DEC-2009 17:34

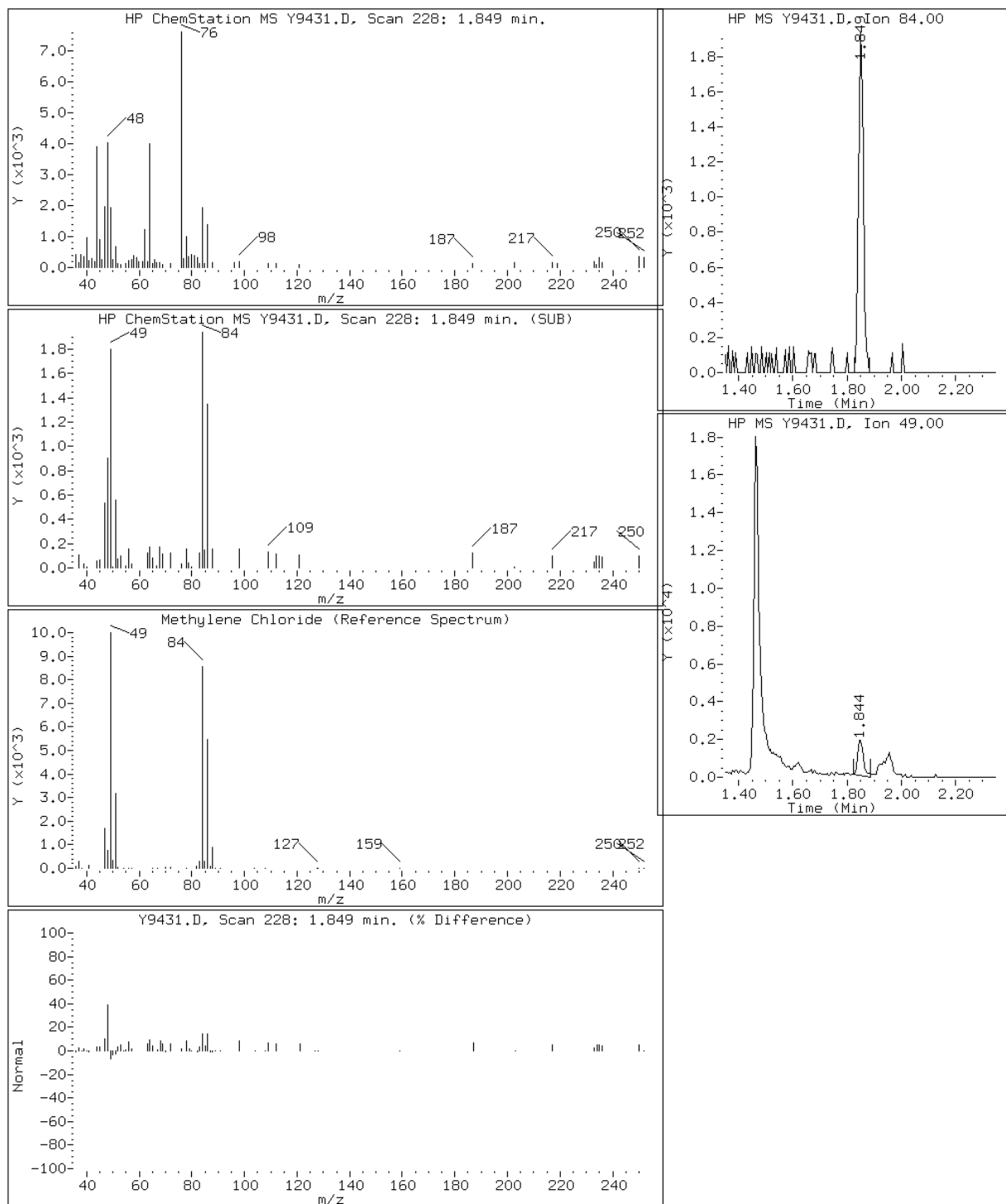
Client ID: MW-14D

Instrument: msy.i

Sample Info: 220-11150-A-2

Operator: D. HUMBERT

17 Methylene Chloride



Data File: Y9431.D

Date: 30-DEC-2009 17:34

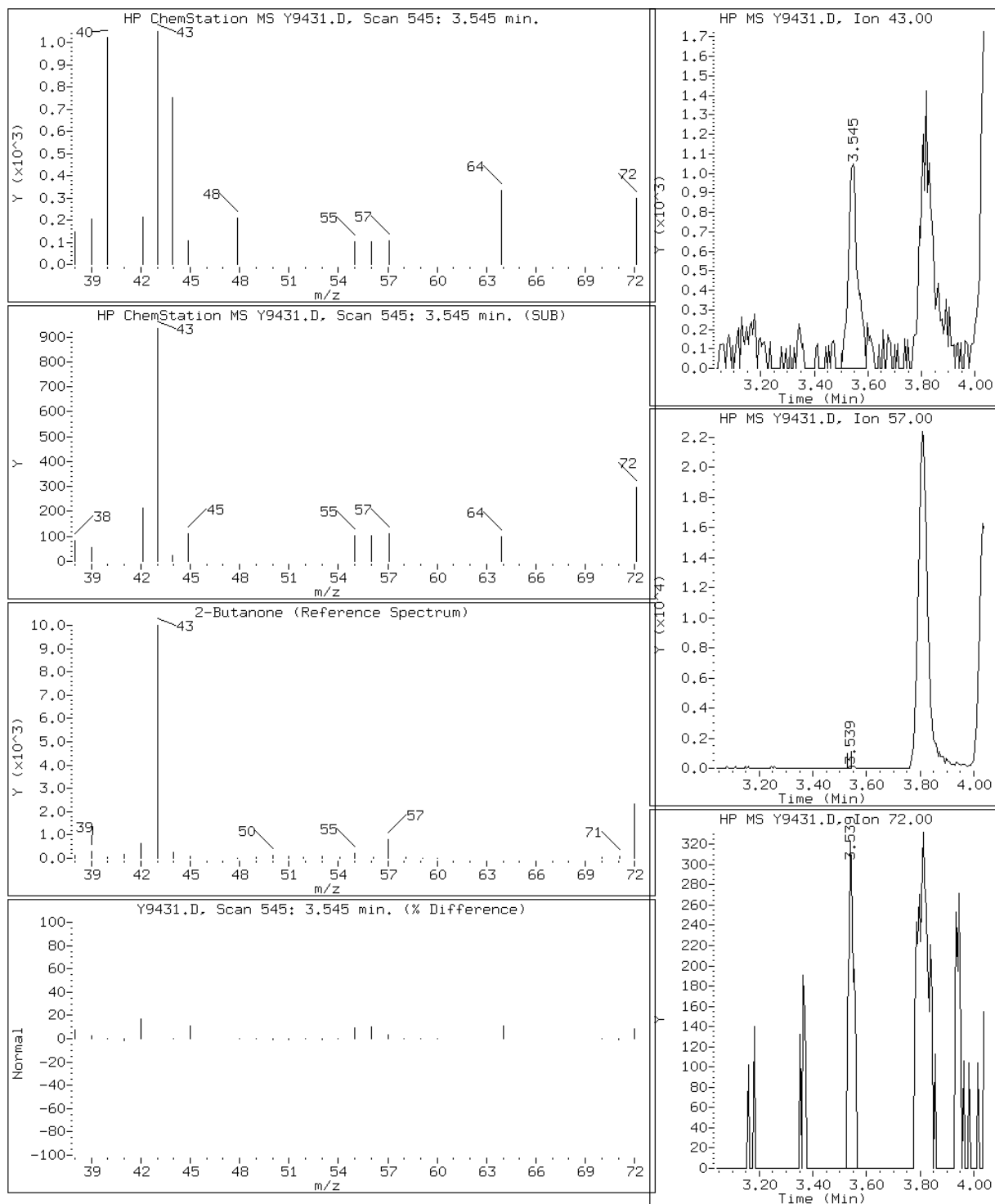
Client ID: MW-14D

Instrument: msy.i

Sample Info: 220-11150-A-2

Operator: D. HUMBERT

29 2-Butanone



Data File: Y9431.D

Date: 30-DEC-2009 17:34

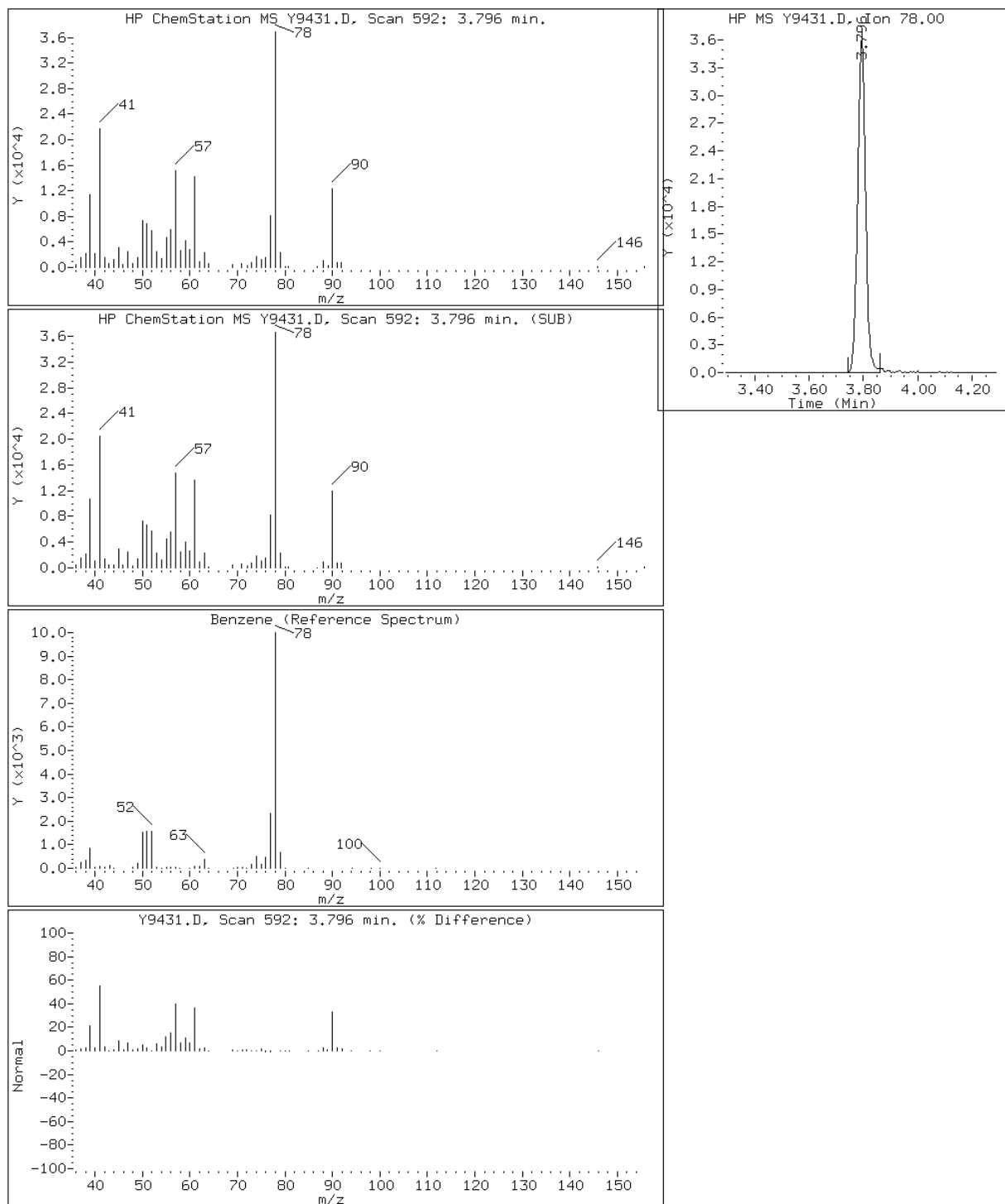
Client ID: MW-14D

Instrument: msy.i

Sample Info: 220-11150-A-2

Operator: D. HUMBERT

38 Benzene



Data File: Y9431.D

Date: 30-DEC-2009 17:34

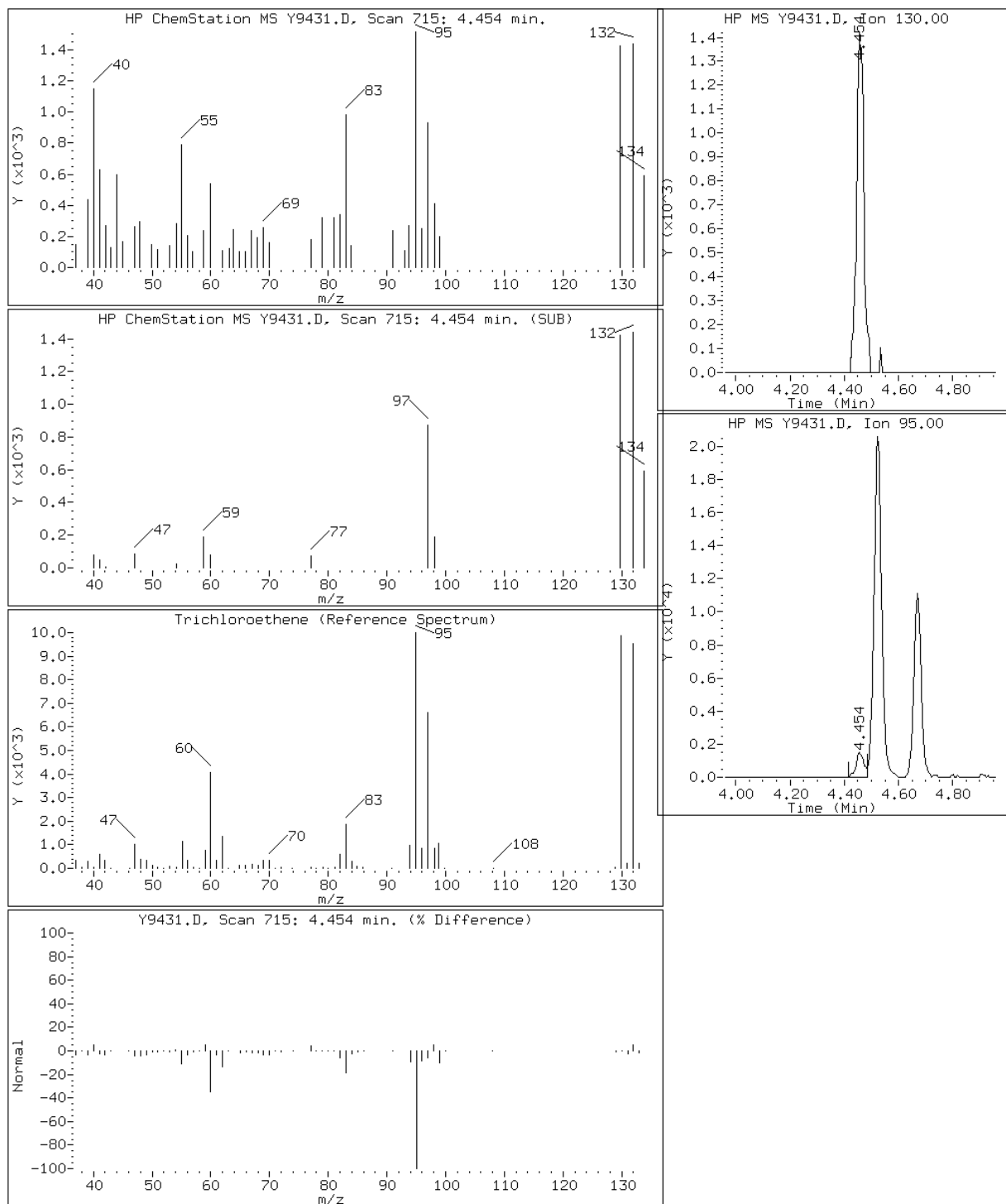
Client ID: MW-14D

Instrument: msy.i

Sample Info: 220-11150-A-2

Operator: D. HUMBERT

41 Trichloroethene



Data File: Y9431.D

Date: 30-DEC-2009 17:34

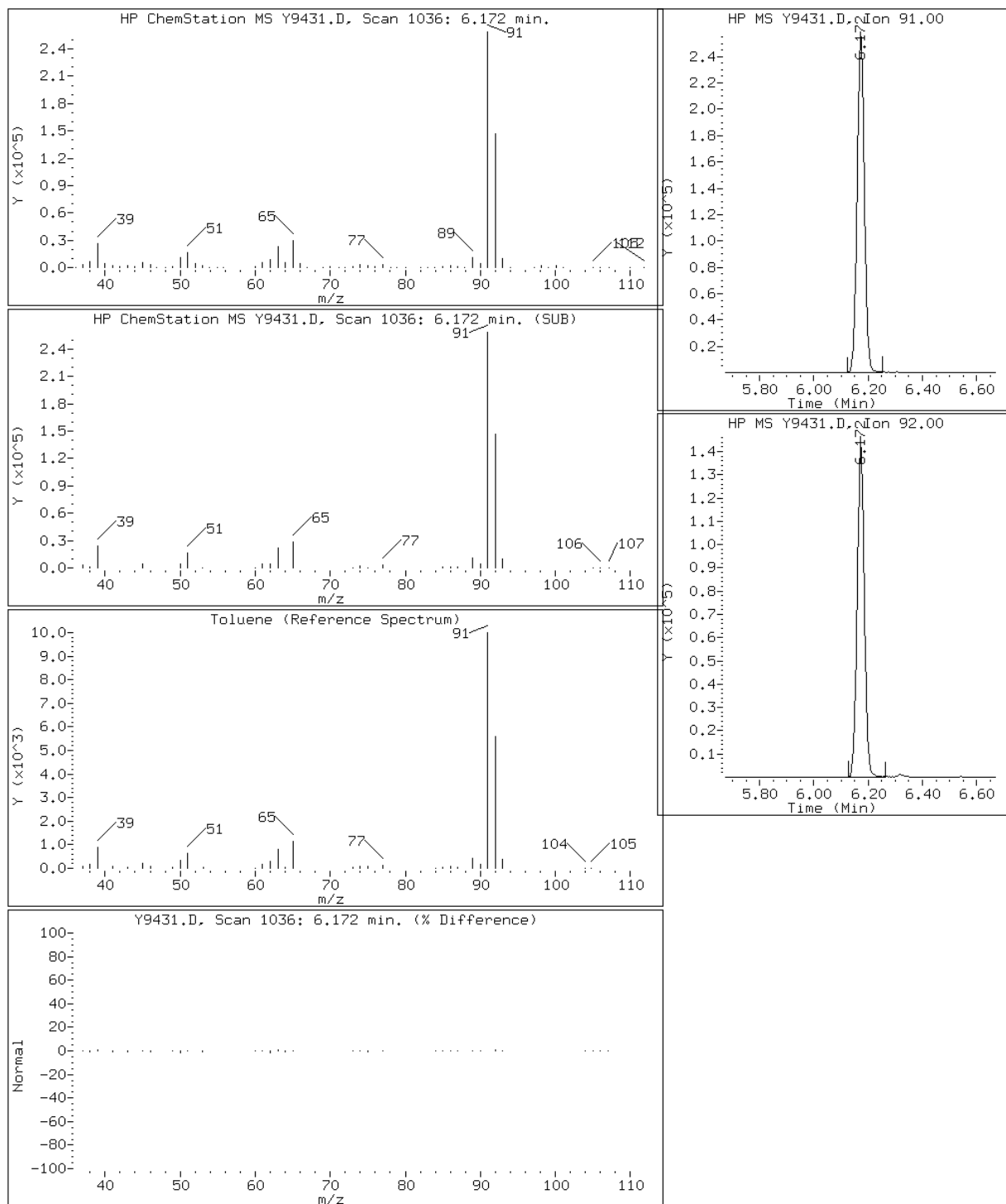
Client ID: MW-14D

Instrument: msy.i

Sample Info: 220-11150-A-2

Operator: D. HUMBERT

52 Toluene



Data File: Y9431.D

Date: 30-DEC-2009 17:34

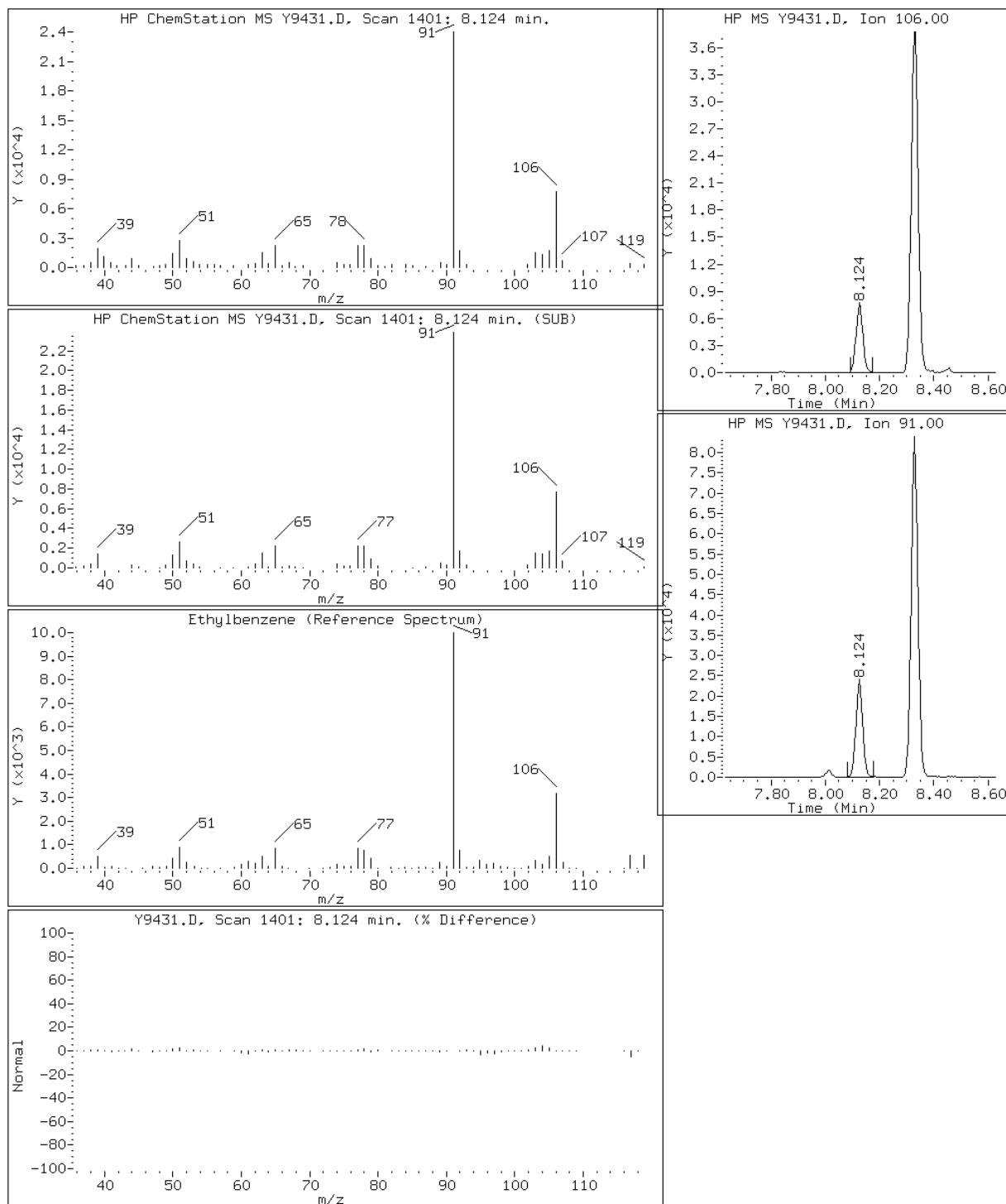
Client ID: MW-14D

Instrument: msy.i

Sample Info: 220-11150-A-2

Operator: D. HUMBERT

60 Ethylbenzene



Data File: Y9431.D

Date: 30-DEC-2009 17:34

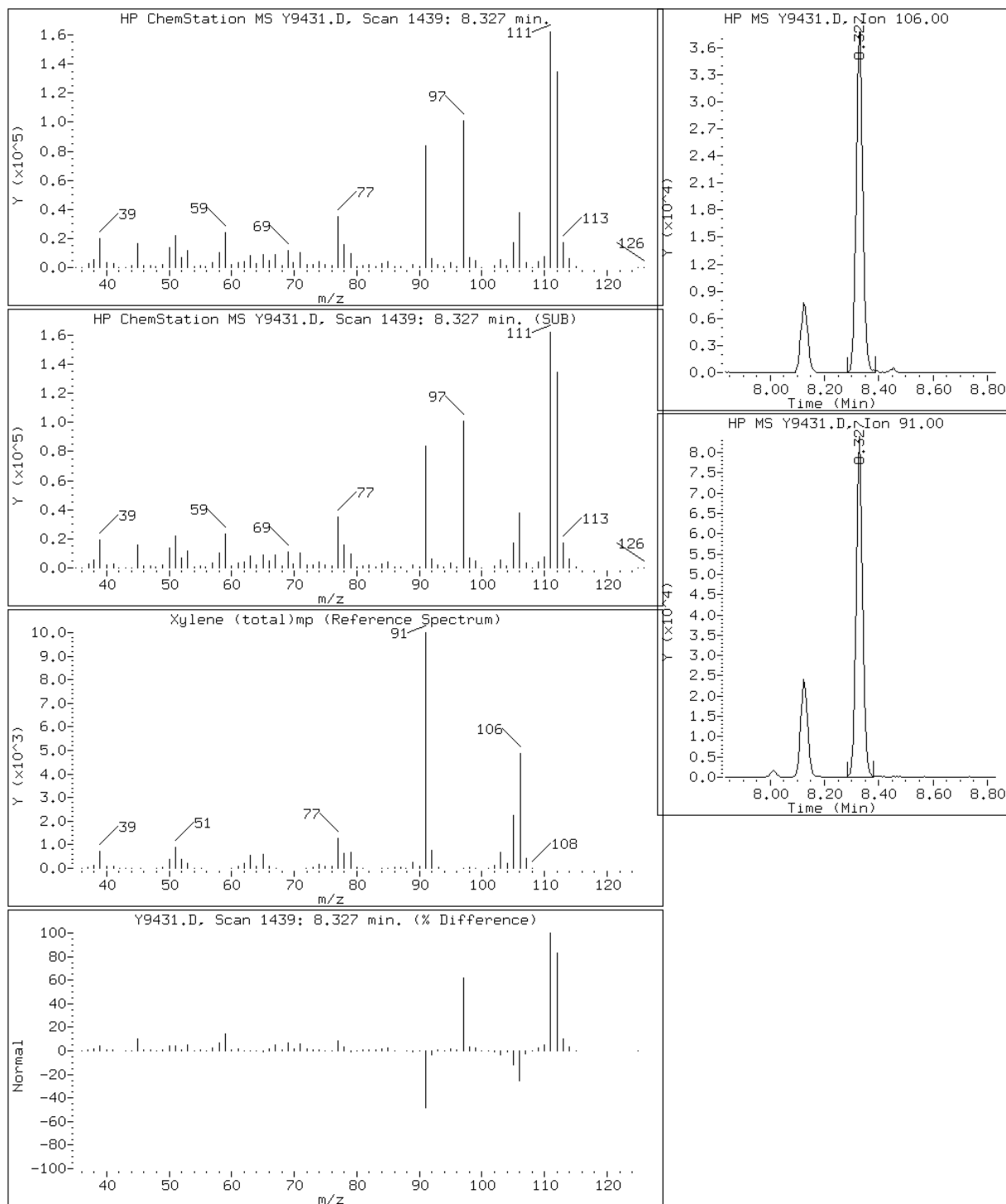
Client ID: MW-14D

Instrument: msy.i

Sample Info: 220-11150-A-2

Operator: D. HUMBERT

61 Xylene (total)mp



Data File: Y9431.D

Date: 30-DEC-2009 17:34

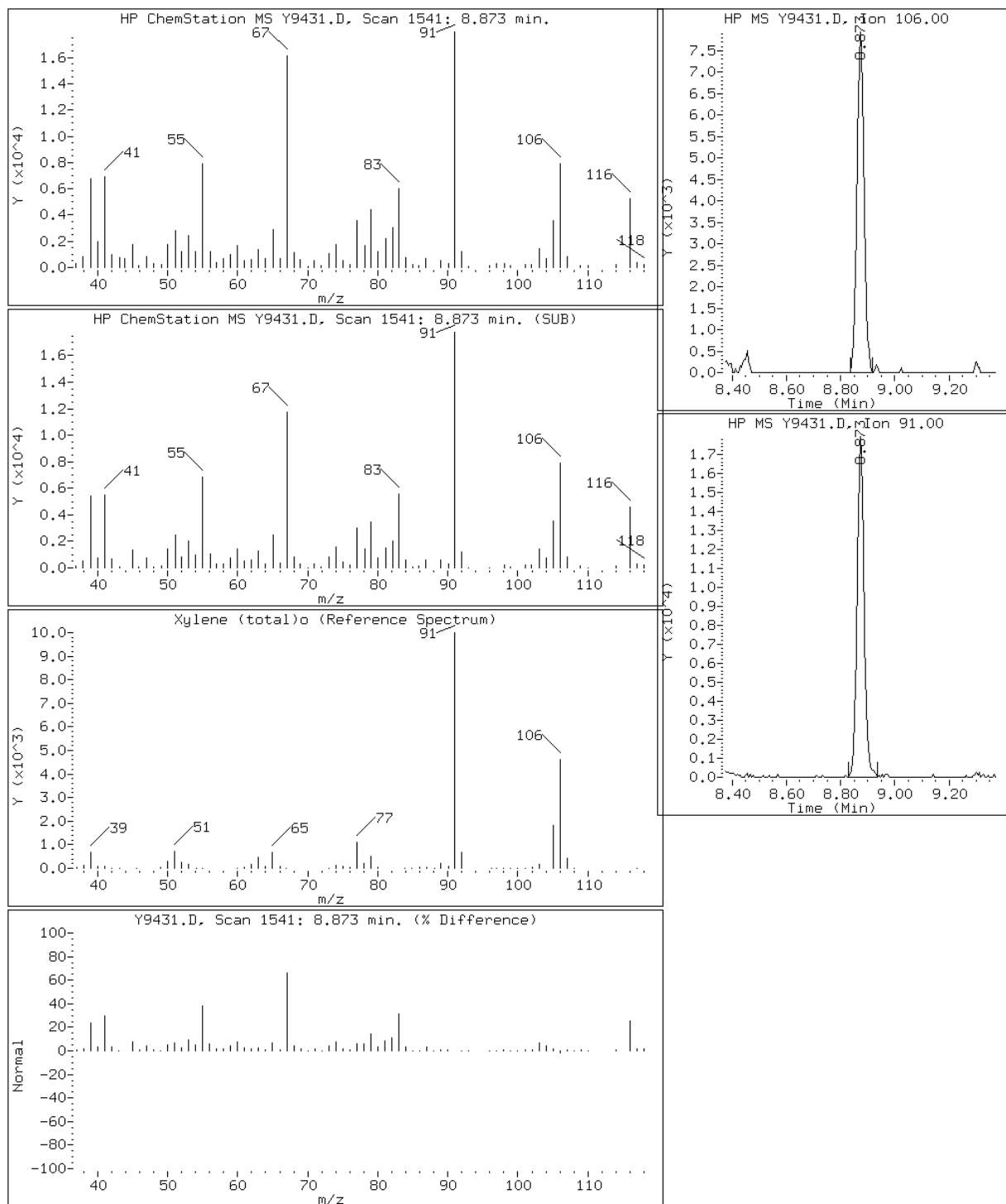
Client ID: MW-14D

Instrument: msy.i

Sample Info: 220-11150-A-2

Operator: D. HUMBERT

62 Xylene (total)o



Data File: Y9431.D

Date: 30-DEC-2009 17:34

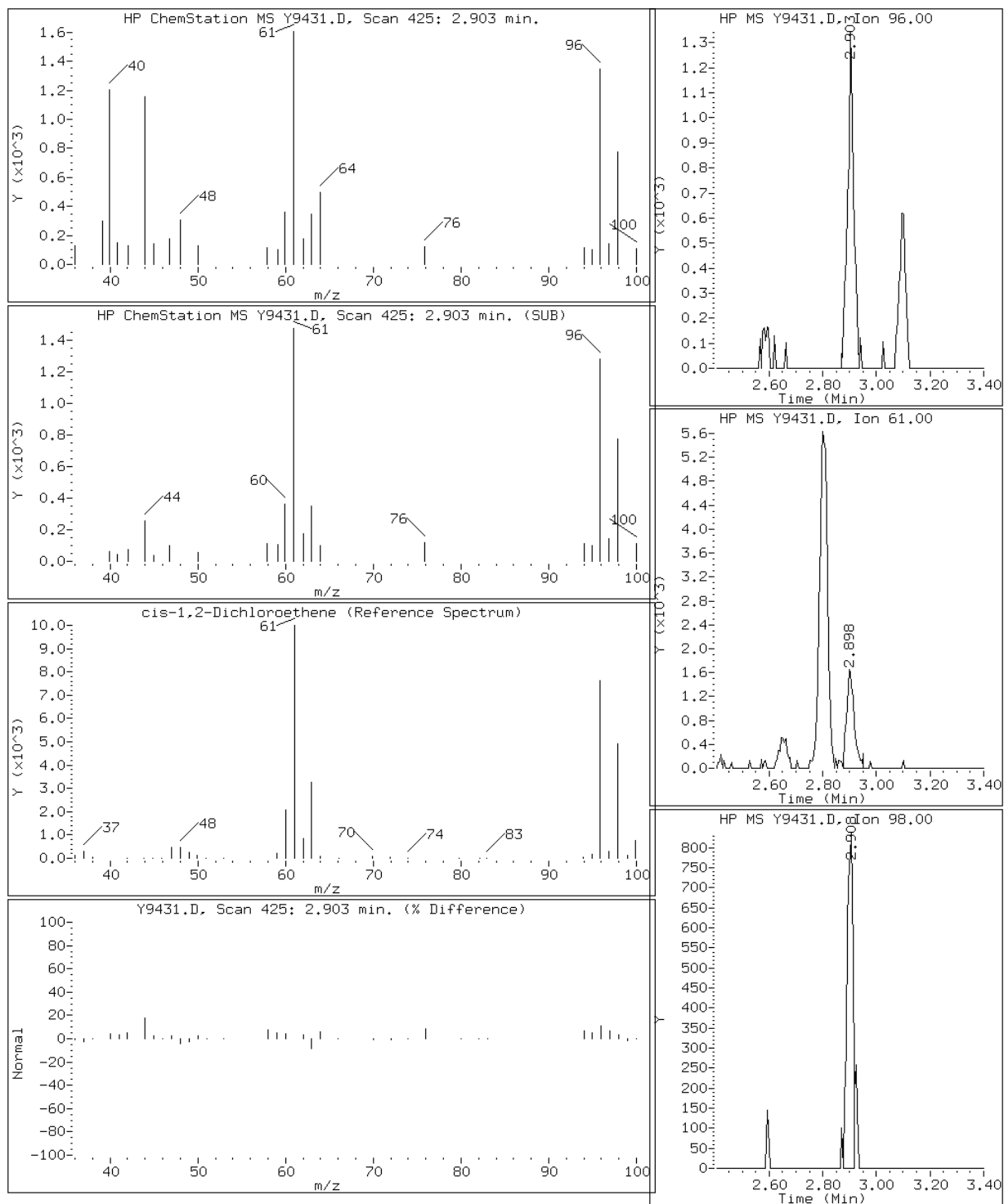
Client ID: MW-14D

Instrument: msy.i

Sample Info: 220-11150-A-2

Operator: D. HUMBERT

26 cis-1,2-Dichloroethene



Data File: Y9431.D

Date: 30-DEC-2009 17:34

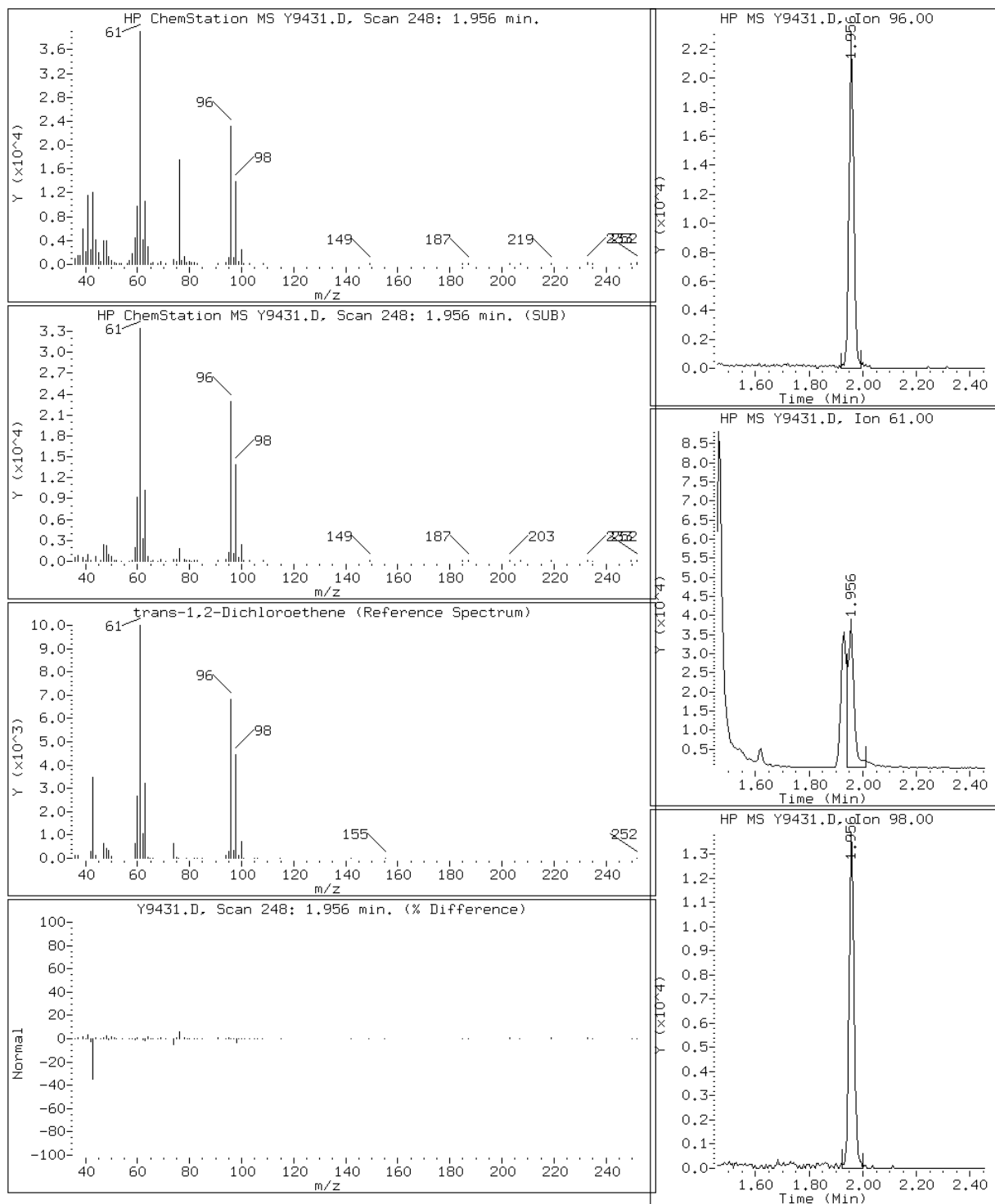
Client ID: MW-14D

Instrument: msy.i

Sample Info: 220-11150-A-2

Operator: D. HUMBERT

20 trans-1,2-Dichloroethene



Data File: Y9431.D

Date: 30-DEC-2009 17:34

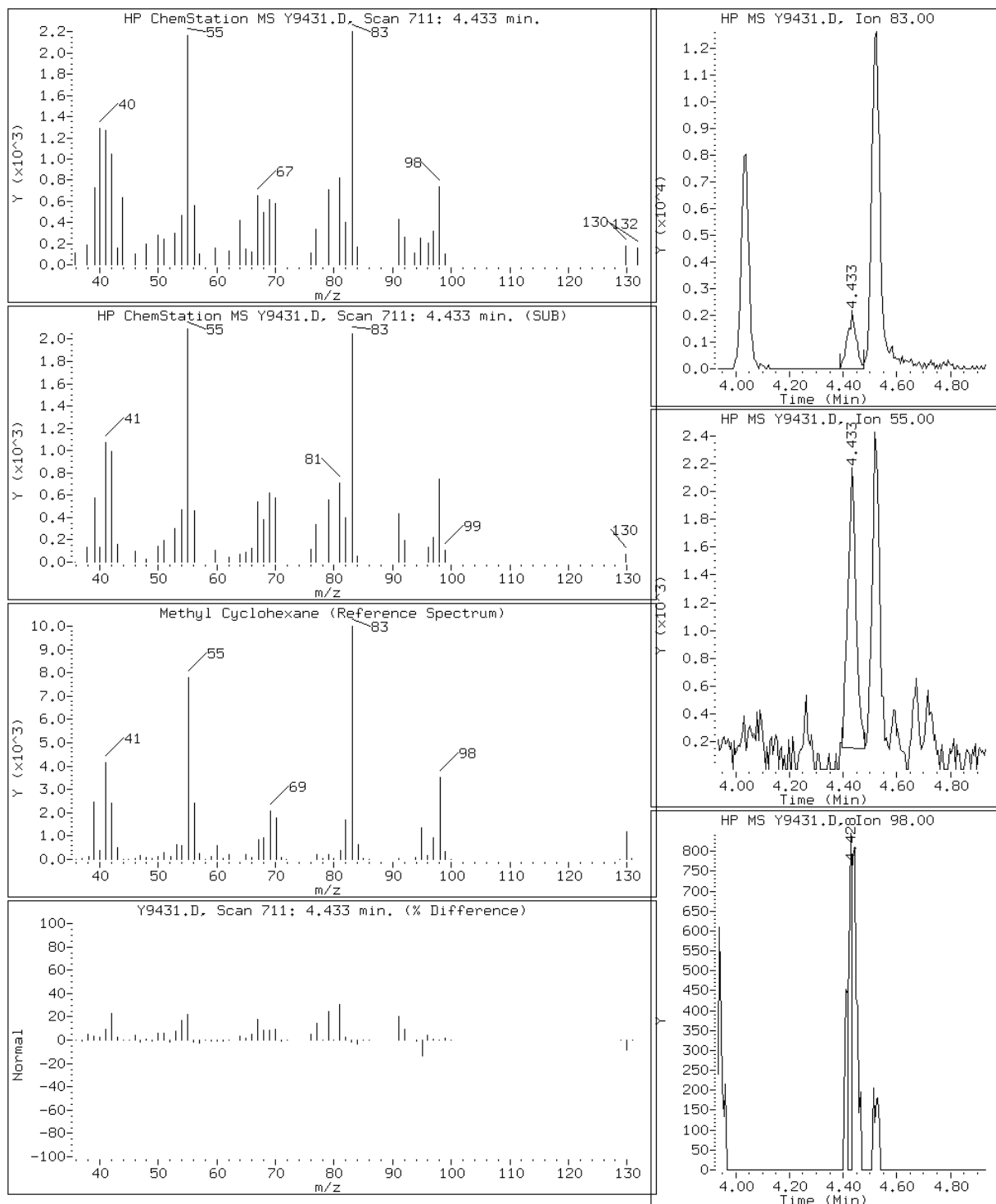
Client ID: MW-14D

Instrument: msy.i

Sample Info: 220-11150-A-2

Operator: D. HUMBERT

40 Methyl Cyclohexane



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Connecticut</u>	Job No.: <u>220-11150-1</u>
SDG No.: <u>220-11150</u>	
Client Sample ID: <u>MW-10D</u>	Lab Sample ID: <u>220-11150-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>Y9432.D</u>
Analysis Method: <u>OLM04.2/Vol</u>	Date Collected: <u>12/21/2009 15:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>12/30/2009 18:01</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-VMS</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>34907</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	20	U	20	0.20
75-01-4	Vinyl chloride	170		20	0.20
74-83-9	Bromomethane	20	U *	20	0.20
75-00-3	Chloroethane	20	U	20	0.20
75-35-4	1,1-Dichloroethene	0.41	J	20	0.20
75-15-0	Carbon disulfide	3.5	J	20	0.20
67-64-1	Acetone	1.6	J * B	20	0.20
75-09-2	Methylene Chloride	0.86	J B	20	0.20
75-34-3	1,1-Dichloroethane	20	U	20	0.20
78-93-3	Methyl Ethyl Ketone	20	U *	20	0.20
67-66-3	Chloroform	20	U	20	0.20
71-55-6	1,1,1-Trichloroethane	20	U	20	0.20
56-23-5	Carbon tetrachloride	20	U	20	0.20
71-43-2	Benzene	20	U	20	0.20
107-06-2	1,2-Dichloroethane	20	U	20	0.20
79-01-6	Trichloroethene	0.59	J	20	0.20
78-87-5	1,2-Dichloropropane	20	U	20	0.20
75-27-4	Bromodichloromethane	20	U	20	0.20
10061-01-5	cis-1,3-Dichloropropene	20	U	20	0.20
108-10-1	methyl isobutyl ketone	20	U	20	0.20
108-88-3	Toluene	0.22	J	20	0.20
10061-02-6	trans-1,3-Dichloropropene	20	U	20	0.20
79-00-5	1,1,2-Trichloroethane	20	U	20	0.20
127-18-4	Tetrachloroethene	20	U	20	0.20
591-78-6	2-Hexanone	20	U *	20	0.20
124-48-1	Dibromochloromethane	20	U	20	0.20
108-90-7	Chlorobenzene	20	U	20	0.20
100-41-4	Ethylbenzene	20	U	20	0.20
100-42-5	Styrene	20	U	20	0.20
75-25-2	Bromoform	20	U	20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	20	U	20	0.20
1330-20-7	Xylenes, Total	20	U	20	0.20
156-59-2	cis-1,2-Dichloroethene	200		20	0.20
156-60-5	trans-1,2-Dichloroethene	12	J	20	0.20
75-71-8	Dichlorodifluoromethane	20	U	20	0.20
75-69-4	Trichlorofluoromethane	20	U	20	0.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
 SDG No.: 220-11150
 Client Sample ID: MW-10D Lab Sample ID: 220-11150-3
 Matrix: Water Lab File ID: Y9432.D
 Analysis Method: OLM04.2/Vol Date Collected: 12/21/2009 15:00
 Sample wt/vol: 5 (mL) Date Analyzed: 12/30/2009 18:01
 Soil Aliquot Vol: _____ Dilution Factor: 2
 Soil Extract Vol.: _____ GC Column: RTX-VMS ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 34907 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U	20	0.20
1634-04-4	Methyl tert-butyl ether	20	U	20	0.20
106-93-4	1,2-Dibromoethane	20	U	20	0.20
98-82-8	Isopropylbenzene	20	U	20	0.20
541-73-1	1,3-Dichlorobenzene	20	U	20	0.20
106-46-7	1,4-Dichlorobenzene	20	U	20	0.20
95-50-1	1,2-Dichlorobenzene	20	U	20	0.20
96-12-8	1,2-Dibromo-3-Chloropropane	20	U	20	0.20
120-82-1	1,2,4-Trichlorobenzene	20	U	20	0.20
79-20-9	Methyl acetate	20	U *	20	0.20
110-82-7	Cyclohexane	20	U	20	0.20
108-87-2	Methylcyclohexane	20	U	20	0.20

CAS NO.	SURROGATE	%REC	LIMITS	Q
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98	76-114	
460-00-4	4-Bromofluorobenzene	91	86-115	
2037-26-5	Toluene-d8 (Surr)	98	88-110	

STL-INC

Volatile Report CLP METHOD OLM 4.2

Data file : \\consrv05\files\chem\VOA\msy.i\Y099415.b\Y9432.D
 Lab Smp Id: 220-11150-B-3 Client Smp ID: MW-10D
 Inj Date : 30-DEC-2009 18:01 MS Autotune Date: 23-NOV-2009 10:24
 Operator : D. HUMBERT Inst ID: msy.i
 Smp Info : 220-11150-B-3
 Misc Info : 220-11150-B-3
 Comment :
 Method : \\consrv05\Files\chem\VOA\msy.i\Y099415.b\YCLPW42.m
 Meth Date : 05-Jan-2010 14:46 msy.i Quant Type: ISTD
 Cal Date : 30-DEC-2009 10:11 Cal File: Y9416.D
 Als bottle: 100
 Dil Factor: 2.00000
 Integrator: HP RTE
 Target Version: 4.14
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	2.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS		
		QUANT	SIG				ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====		====	====	=====	=====	=====	=====	=====
*	1 Bromochloromethane	128	3.100	3.100	(1.000)	272788	50.0000	
	7 Vinyl Chloride	62	0.944	0.944	(0.305)	575428	83.3818	170
	14 1,1-Dichloroethene	96	1.501	1.501	(0.484)	1393	0.20523	0.4
	15 Carbon Disulfide	76	1.522	1.517	(0.491)	35197	1.76660	4
	17 Methylene Chloride	84	1.854	1.848	(0.598)	3334	0.43129	0.9
	18 Acetone	43	1.881	1.886	(0.607)	2859	0.80287	2
	20 trans-1,2-Dichloroethene	96	1.955	1.955	(0.631)	46480	6.02072	12
	26 cis-1,2-Dichloroethene	96	2.902	2.902	(0.936)	822006	102.408	200
\$	33 1,2-Dichloroethane-d4	65	3.940	3.940	(1.271)	470467	49.2418	49
*	34 1,4-Difluorobenzene	114	4.523	4.523	(1.000)	1382345	50.0000	
	41 Trichloroethene	130	4.459	4.459	(0.986)	2281	0.29542	0.6
*	51 Chlorobenzene-d5	117	8.011	8.017	(1.000)	1225779	50.0000	
	52 Toluene	91	6.171	6.171	(0.770)	3404	0.11138	0.2
\$	53 Toluene-d8	98	6.112	6.112	(0.763)	1242215	49.2400	49
\$	72 Bromofluorobenzene	95	9.584	9.584	(1.196)	408592	45.3715	45
M	73 1,2-Dichloroethene (total)	100				868486	108.429	220

Data File: Y9432.D

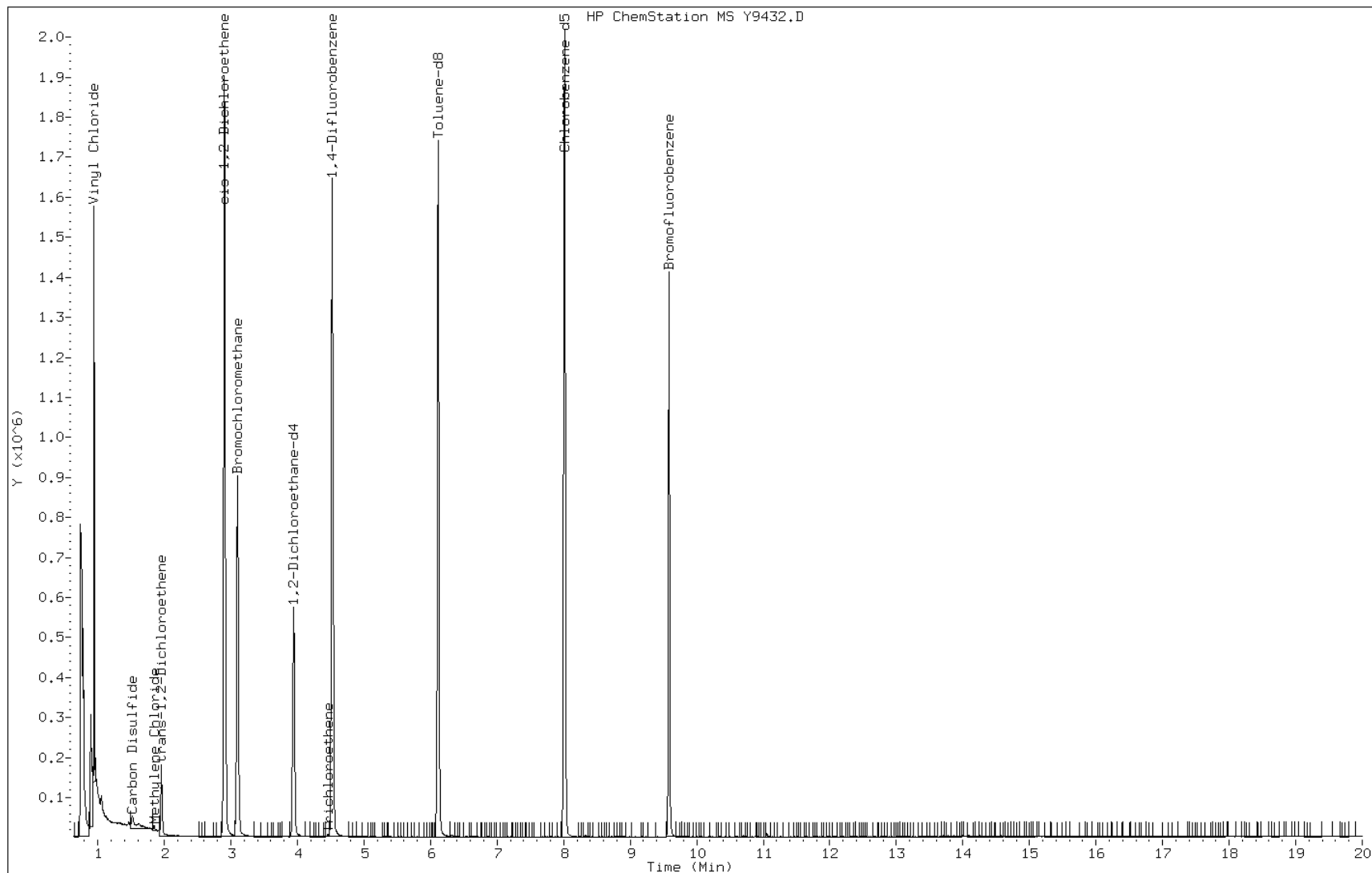
Date: 30-DEC-2009 18:01

Client ID: MW-10D

Instrument: msy.i

Sample Info: 220-11150-B-3

Operator: D. HUMBERT



Data File: Y9432.D

Date: 30-DEC-2009 18:01

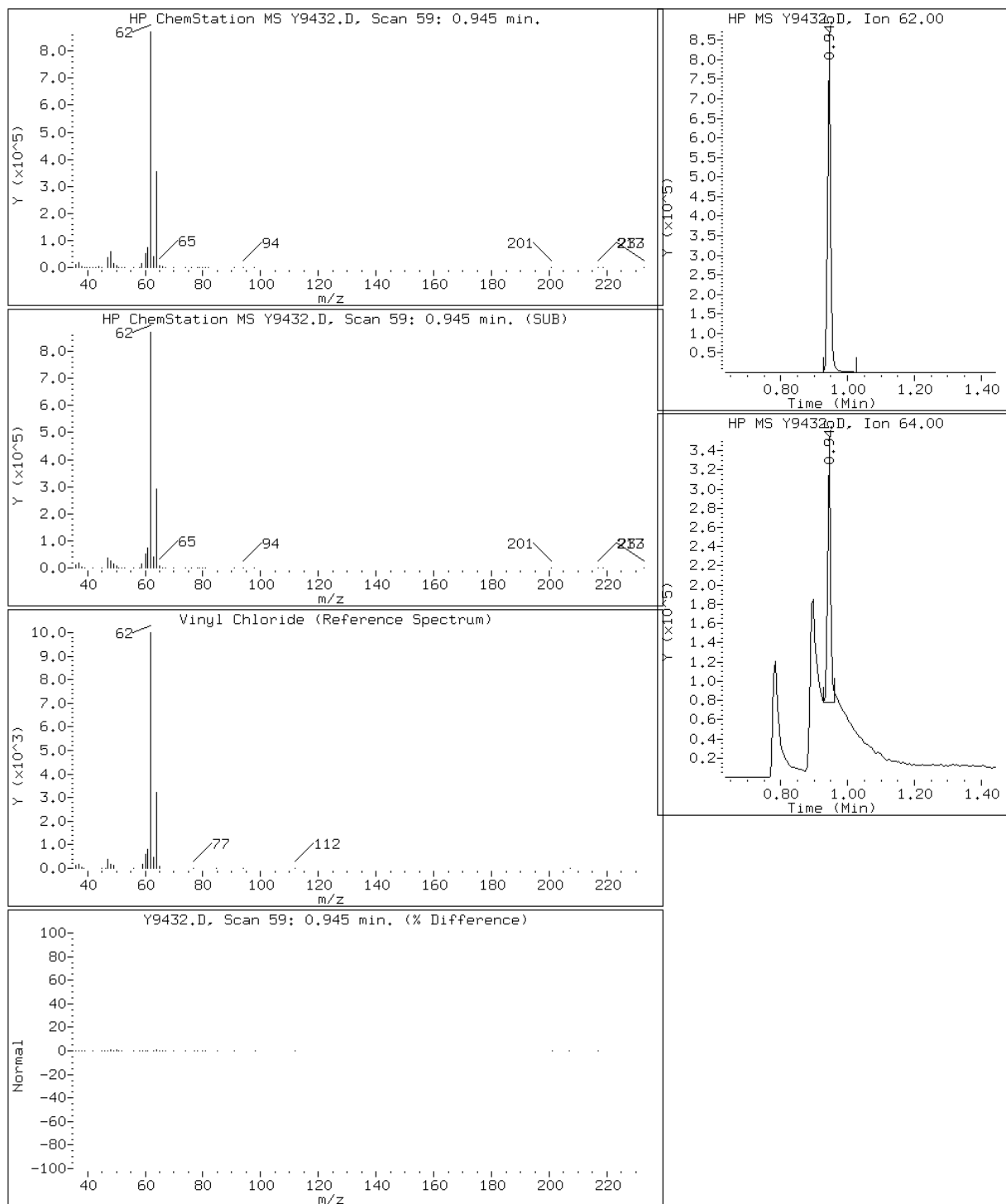
Client ID: MW-10D

Instrument: msy.i

Sample Info: 220-11150-B-3

Operator: D. HUMBERT

7 Vinyl Chloride



Data File: Y9432.D

Date: 30-DEC-2009 18:01

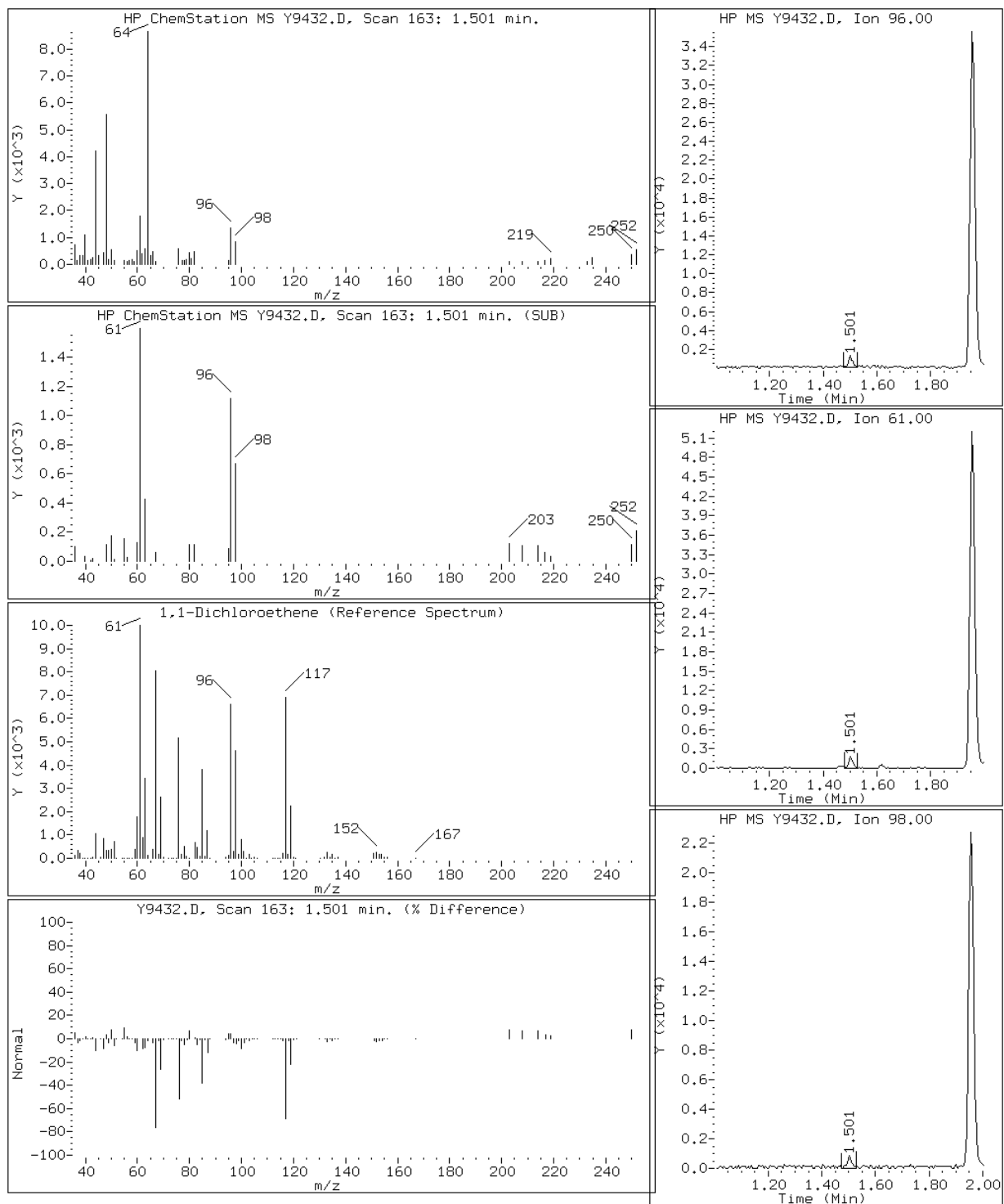
Client ID: MW-10D

Instrument: msy.i

Sample Info: 220-11150-B-3

Operator: D. HUMBERT

14 1,1-Dichloroethene



Data File: Y9432.D

Date: 30-DEC-2009 18:01

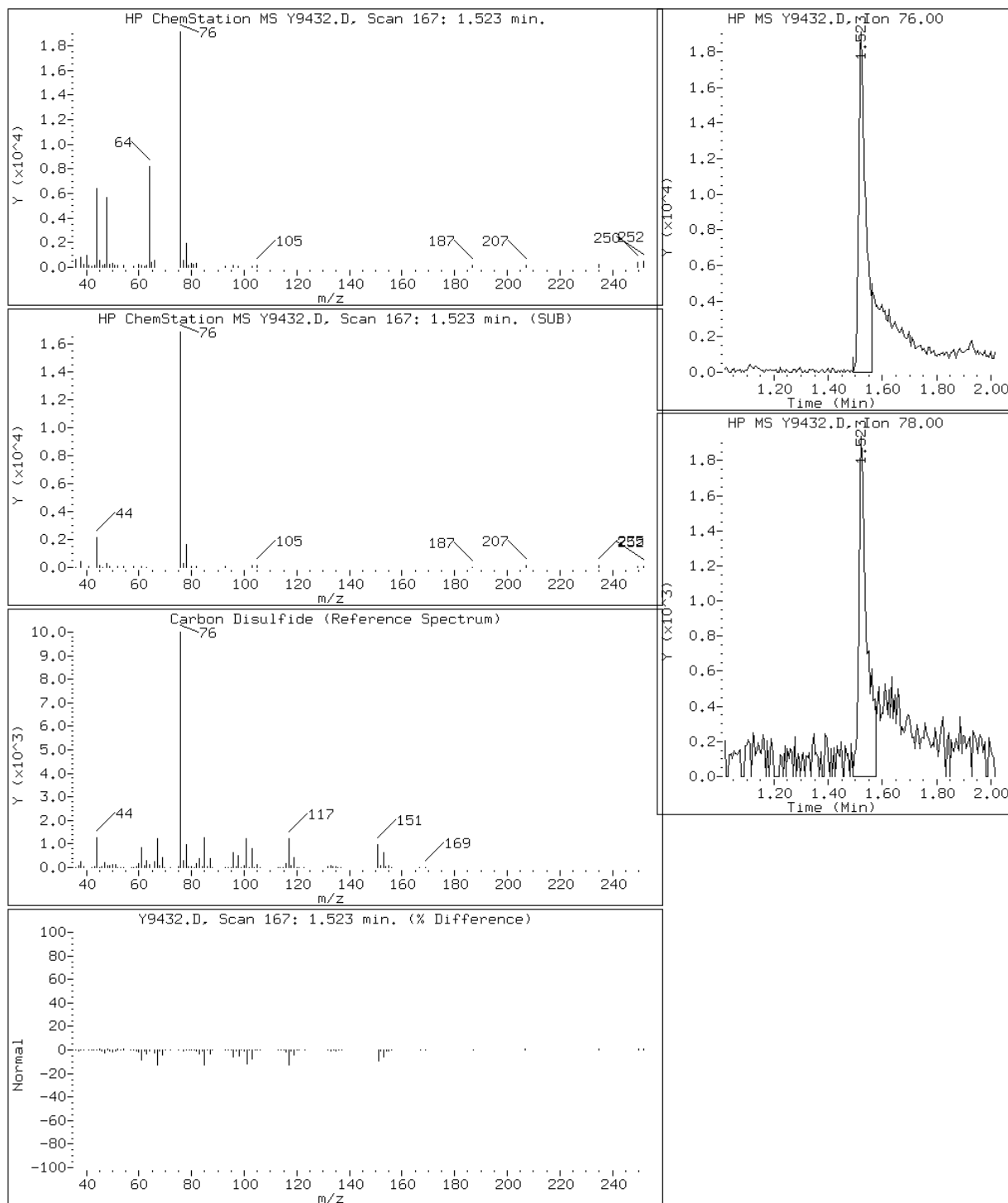
Client ID: MW-10D

Instrument: msy.i

Sample Info: 220-11150-B-3

Operator: D. HUMBERT

15 Carbon Disulfide



Data File: Y9432.D

Date: 30-DEC-2009 18:01

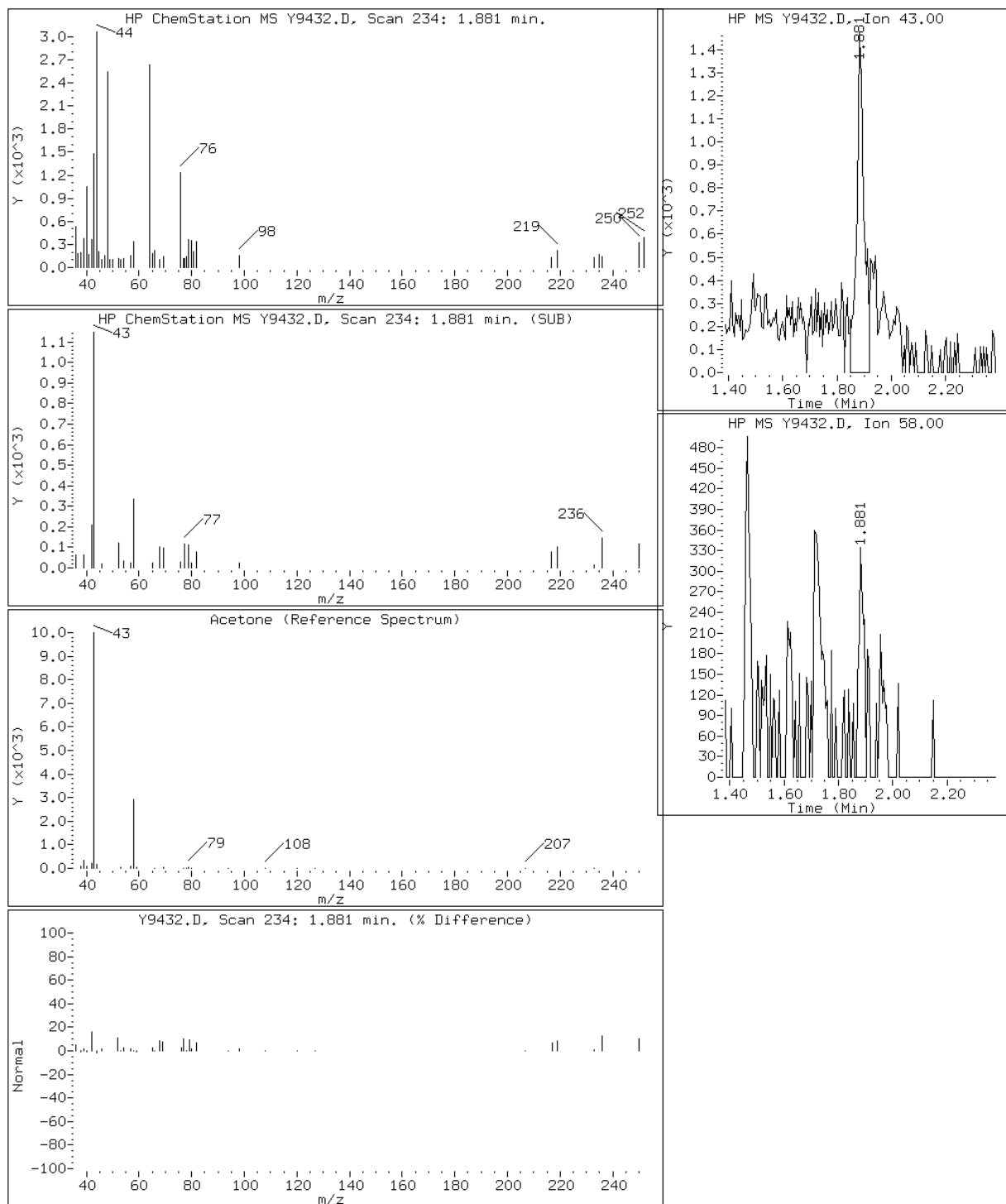
Client ID: MW-10D

Instrument: msy.i

Sample Info: 220-11150-B-3

Operator: D. HUMBERT

18 Acetone



Data File: Y9432.D

Date: 30-DEC-2009 18:01

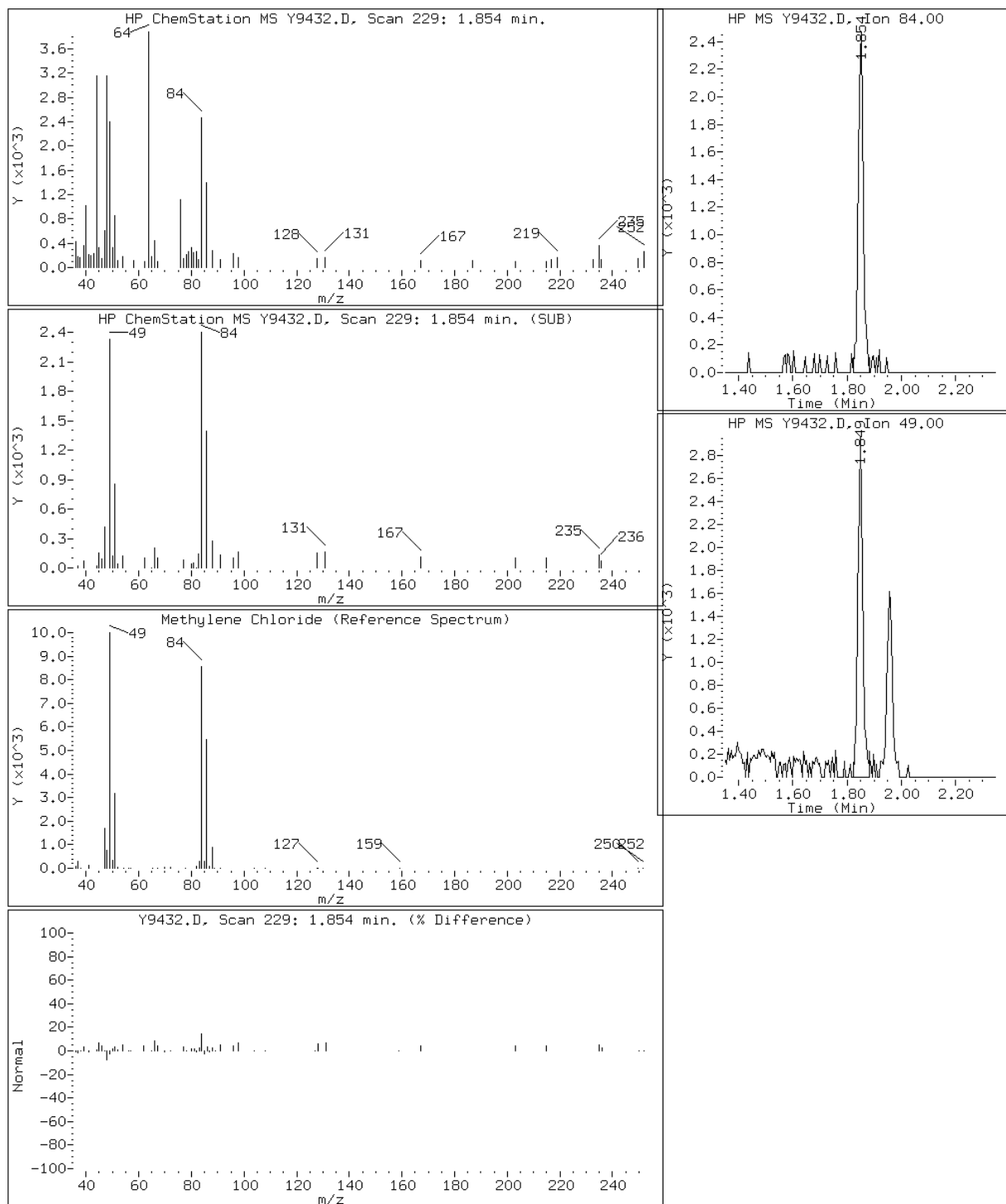
Client ID: MW-10D

Instrument: msy.i

Sample Info: 220-11150-B-3

Operator: D. HUMBERT

17 Methylene Chloride



Data File: Y9432.D

Date: 30-DEC-2009 18:01

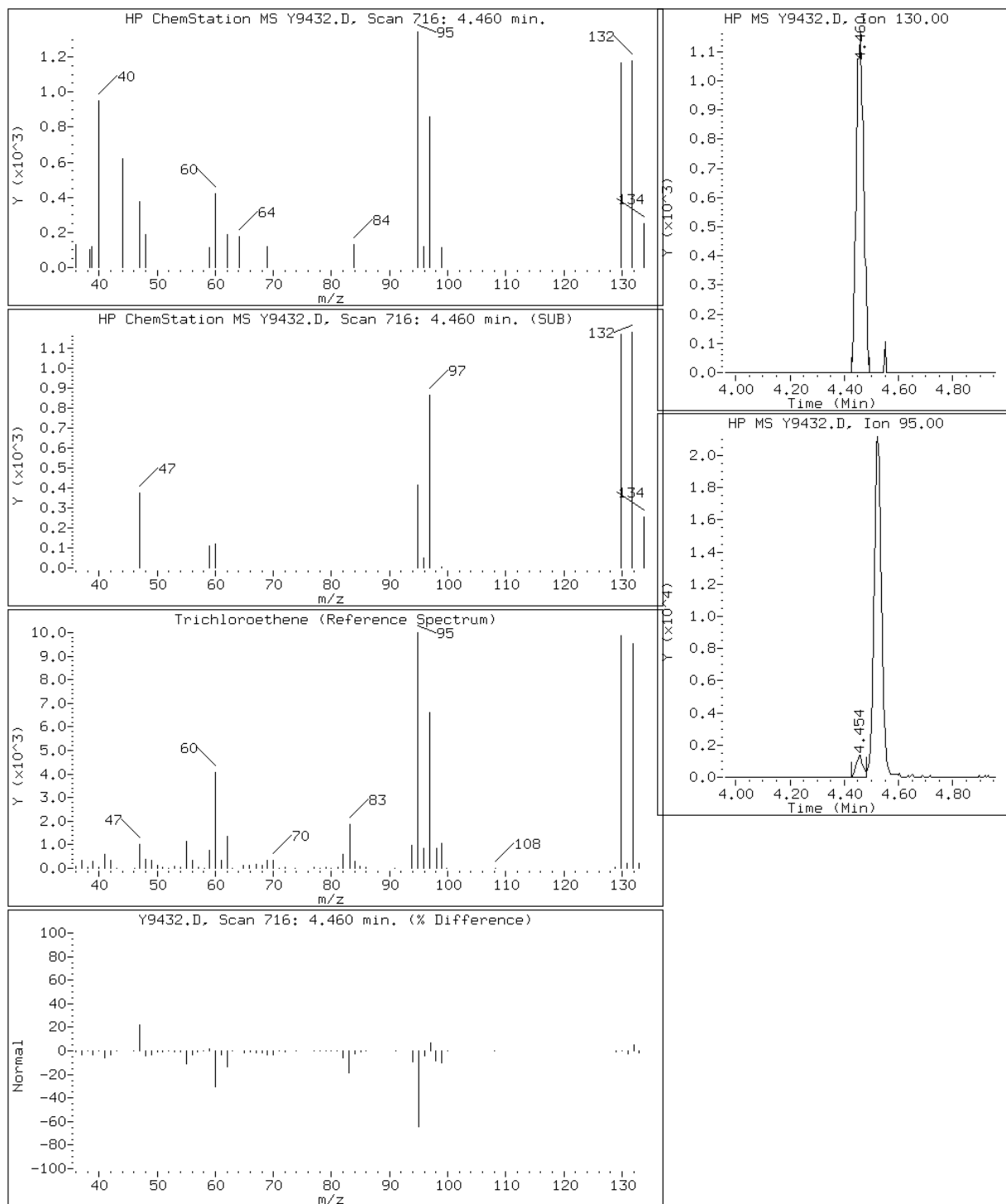
Client ID: MW-10D

Instrument: msy.i

Sample Info: 220-11150-B-3

Operator: D. HUMBERT

41 Trichloroethene



Data File: Y9432.D

Date: 30-DEC-2009 18:01

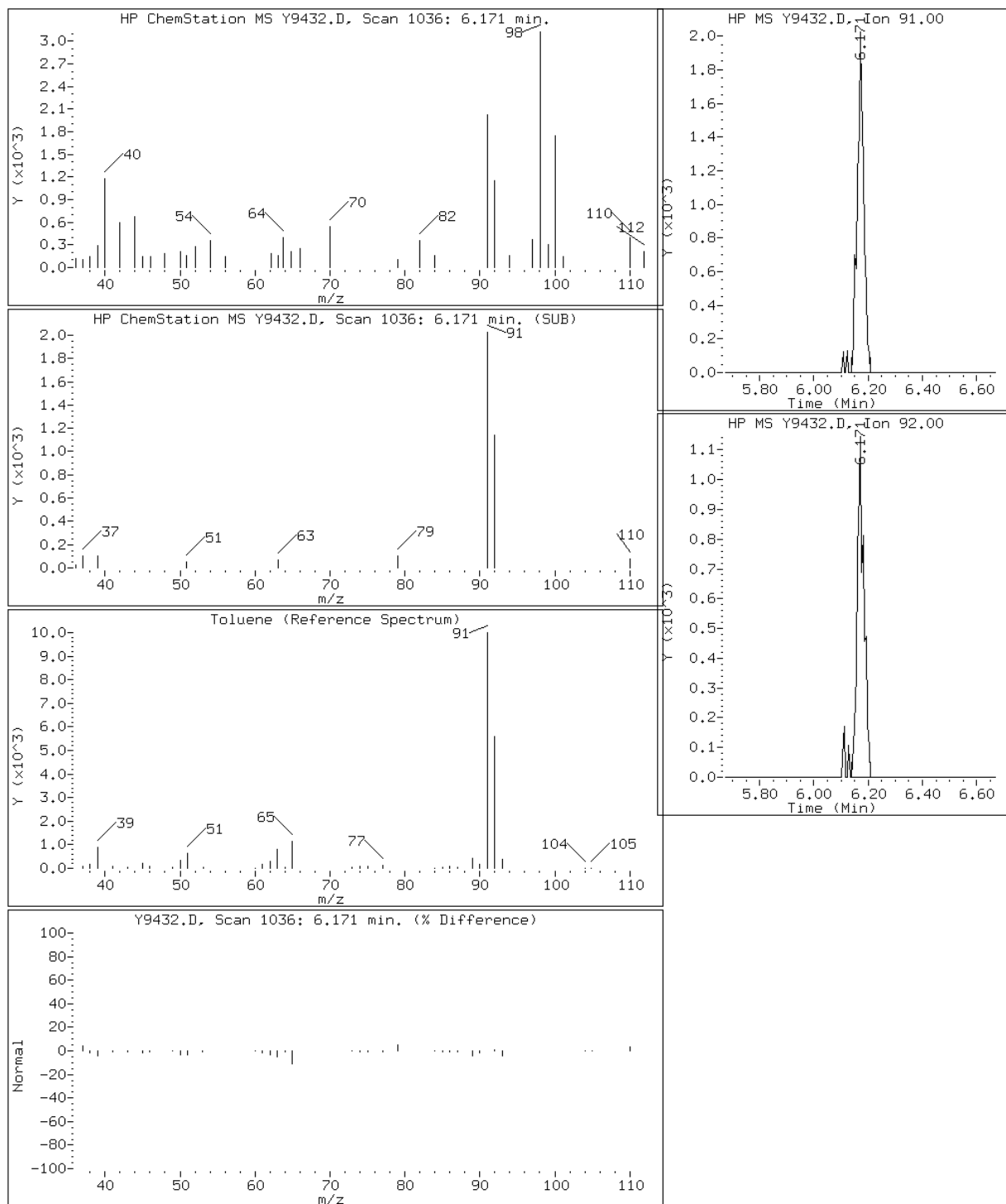
Client ID: MW-10D

Instrument: msy.i

Sample Info: 220-11150-B-3

Operator: D. HUMBERT

52 Toluene



Data File: Y9432.D

Date: 30-DEC-2009 18:01

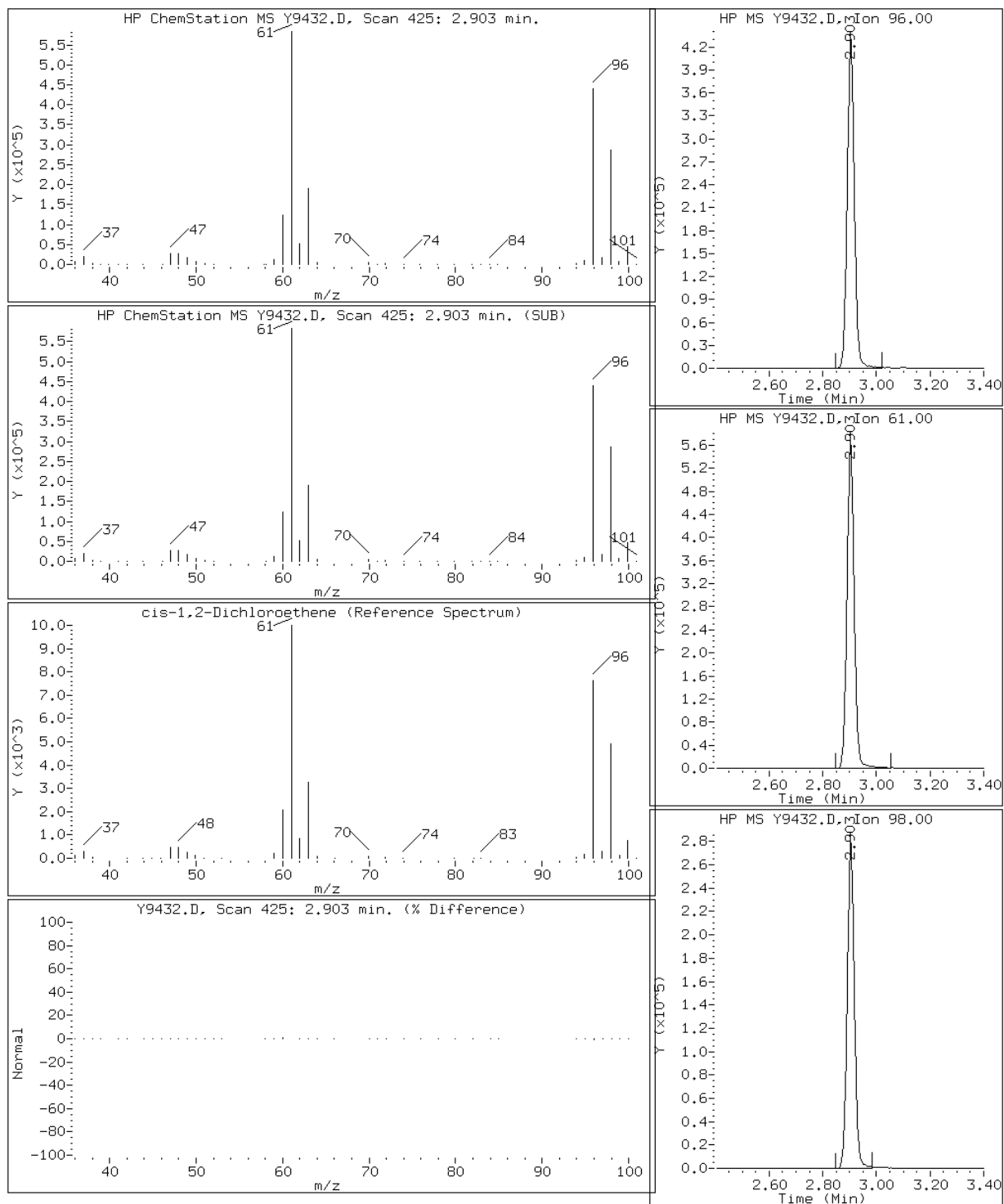
Client ID: MW-10D

Instrument: msy.i

Sample Info: 220-11150-B-3

Operator: D. HUMBERT

26 cis-1,2-Dichloroethene



Data File: Y9432.D

Date: 30-DEC-2009 18:01

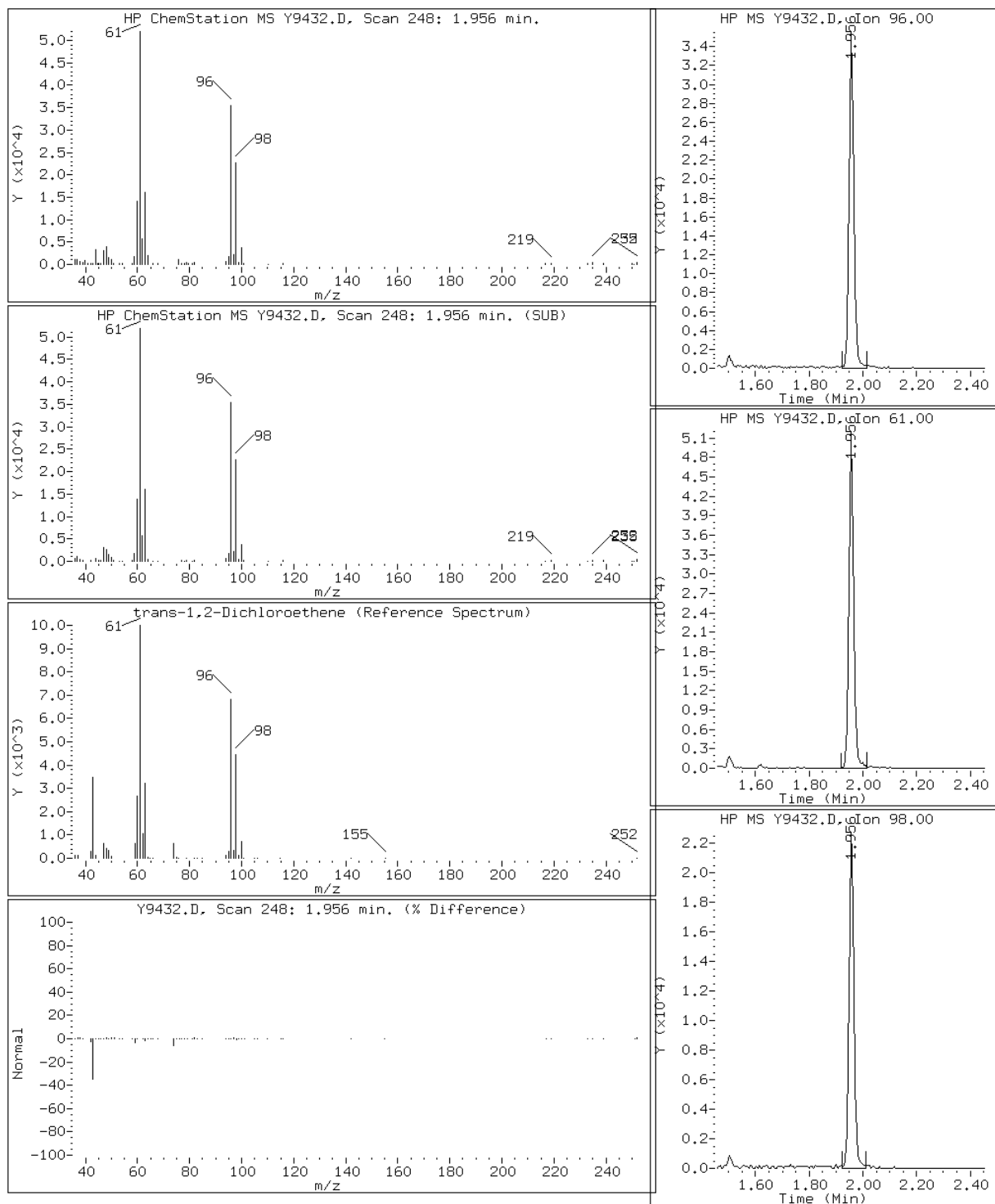
Client ID: MW-10D

Instrument: msy.i

Sample Info: 220-11150-B-3

Operator: D. HUMBERT

20 trans-1,2-Dichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Connecticut</u>	Job No.: <u>220-11150-1</u>
SDG No.: <u>220-11150</u>	
Client Sample ID: <u>MW-15D</u>	Lab Sample ID: <u>220-11150-4</u>
Matrix: <u>Water</u>	Lab File ID: <u>Y9428.D</u>
Analysis Method: <u>OLM04.2/Vol</u>	Date Collected: <u>12/21/2009 14:20</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>12/30/2009 16:14</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-VMS</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>34907</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	10	U	10	0.10
75-01-4	Vinyl chloride	1.9	J	10	0.10
74-83-9	Bromomethane	10	U *	10	0.10
75-00-3	Chloroethane	10	U	10	0.10
75-35-4	1,1-Dichloroethene	10	U	10	0.10
75-15-0	Carbon disulfide	1.3	J	10	0.10
67-64-1	Acetone	0.72	J * B	10	0.10
75-09-2	Methylene Chloride	0.34	J B	10	0.10
75-34-3	1,1-Dichloroethane	10	U	10	0.10
78-93-3	Methyl Ethyl Ketone	10	U *	10	0.10
67-66-3	Chloroform	10	U	10	0.10
71-55-6	1,1,1-Trichloroethane	10	U	10	0.10
56-23-5	Carbon tetrachloride	10	U	10	0.10
71-43-2	Benzene	10	U	10	0.10
107-06-2	1,2-Dichloroethane	10	U	10	0.10
79-01-6	Trichloroethene	0.23	J	10	0.10
78-87-5	1,2-Dichloropropane	10	U	10	0.10
75-27-4	Bromodichloromethane	10	U	10	0.10
10061-01-5	cis-1,3-Dichloropropene	10	U	10	0.10
108-10-1	methyl isobutyl ketone	10	U	10	0.10
108-88-3	Toluene	10	U	10	0.10
10061-02-6	trans-1,3-Dichloropropene	10	U	10	0.10
79-00-5	1,1,2-Trichloroethane	10	U	10	0.10
127-18-4	Tetrachloroethene	10	U	10	0.10
591-78-6	2-Hexanone	10	U *	10	0.10
124-48-1	Dibromochloromethane	10	U	10	0.10
108-90-7	Chlorobenzene	10	U	10	0.10
100-41-4	Ethylbenzene	10	U	10	0.10
100-42-5	Styrene	10	U	10	0.10
75-25-2	Bromoform	10	U	10	0.10
79-34-5	1,1,2,2-Tetrachloroethane	10	U	10	0.10
1330-20-7	Xylenes, Total	10	U	10	0.10
156-59-2	cis-1,2-Dichloroethene	4.4	J	10	0.10
156-60-5	trans-1,2-Dichloroethene	1.2	J	10	0.10
75-71-8	Dichlorodifluoromethane	10	U	10	0.10
75-69-4	Trichlorofluoromethane	10	U	10	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
 SDG No.: 220-11150
 Client Sample ID: MW-15D Lab Sample ID: 220-11150-4
 Matrix: Water Lab File ID: Y9428.D
 Analysis Method: OLM04.2/Vol Date Collected: 12/21/2009 14:20
 Sample wt/vol: 5 (mL) Date Analyzed: 12/30/2009 16:14
 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.: 34907 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	0.10
1634-04-4	Methyl tert-butyl ether	10	U	10	0.10
106-93-4	1,2-Dibromoethane	10	U	10	0.10
98-82-8	Isopropylbenzene	10	U	10	0.10
541-73-1	1,3-Dichlorobenzene	10	U	10	0.10
106-46-7	1,4-Dichlorobenzene	10	U	10	0.10
95-50-1	1,2-Dichlorobenzene	10	U	10	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	10	0.10
120-82-1	1,2,4-Trichlorobenzene	10	U	10	0.10
79-20-9	Methyl acetate	10	U *	10	0.10
110-82-7	Cyclohexane	10	U	10	0.10
108-87-2	Methylcyclohexane	10	U	10	0.10

CAS NO.	SURROGATE	%REC	LIMITS	Q
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102	76-114	
460-00-4	4-Bromofluorobenzene	89	86-115	
2037-26-5	Toluene-d8 (Surr)	98	88-110	

STL-INC

Volatile Report CLP METHOD OLM 4.2

Data file : \\consrv05\files\chem\VOA\msy.i\Y099415.b\Y9428.D
Lab Smp Id: 220-11150-A-4 Client Smp ID: MW-15D
Inj Date : 30-DEC-2009 16:14 MS Autotune Date: 23-NOV-2009 10:24
Operator : D. HUMBERT Inst ID: msy.i
Smp Info : 220-11150-A-4
Misc Info : 220-11150-A-4
Comment :
Method : \\consrv05\Files\chem\VOA\msy.i\Y099415.b\YCLPW42.m
Meth Date : 05-Jan-2010 14:46 msy.i Quant Type: ISTD
Cal Date : 30-DEC-2009 10:11 Cal File: Y9416.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.14
Compound Sublist: all.sub

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						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
* 1 Bromochloromethane	128	3.100	3.100	(1.000)	248477	50.0000		
7 Vinyl Chloride	62	0.944	0.944	(0.305)	11660	1.85489		2
15 Carbon Disulfide	76	1.517	1.517	(0.489)	23205	1.27866		1
17 Methylene Chloride	84	1.848	1.848	(0.596)	2412	0.34255		0.3
18 Acetone	43	1.886	1.886	(0.608)	2321	0.71556		0.7
20 trans-1,2-Dichloroethene	96	1.961	1.955	(0.633)	8578	1.21985		1
26 cis-1,2-Dichloroethene	96	2.902	2.902	(0.936)	32395	4.43074		4
\$ 33 1,2-Dichloroethane-d4	65	3.940	3.940	(1.271)	445500	51.1908		51
* 34 1,4-Difluorobenzene	114	4.523	4.523	(1.000)	1260929	50.0000		
41 Trichloroethene	130	4.454	4.459	(0.985)	1625	0.23072		0.2
* 51 Chlorobenzene-d5	117	8.011	8.017	(1.000)	1138425	50.0000		
\$ 53 Toluene-d8	98	6.112	6.112	(0.763)	1148490	49.0181		49
\$ 72 Bromofluorobenzene	95	9.584	9.584	(1.196)	372069	44.4861		44
M 73 1,2-Dichloroethene (total)	100				40973	5.65059		6

Data File: Y9428.D

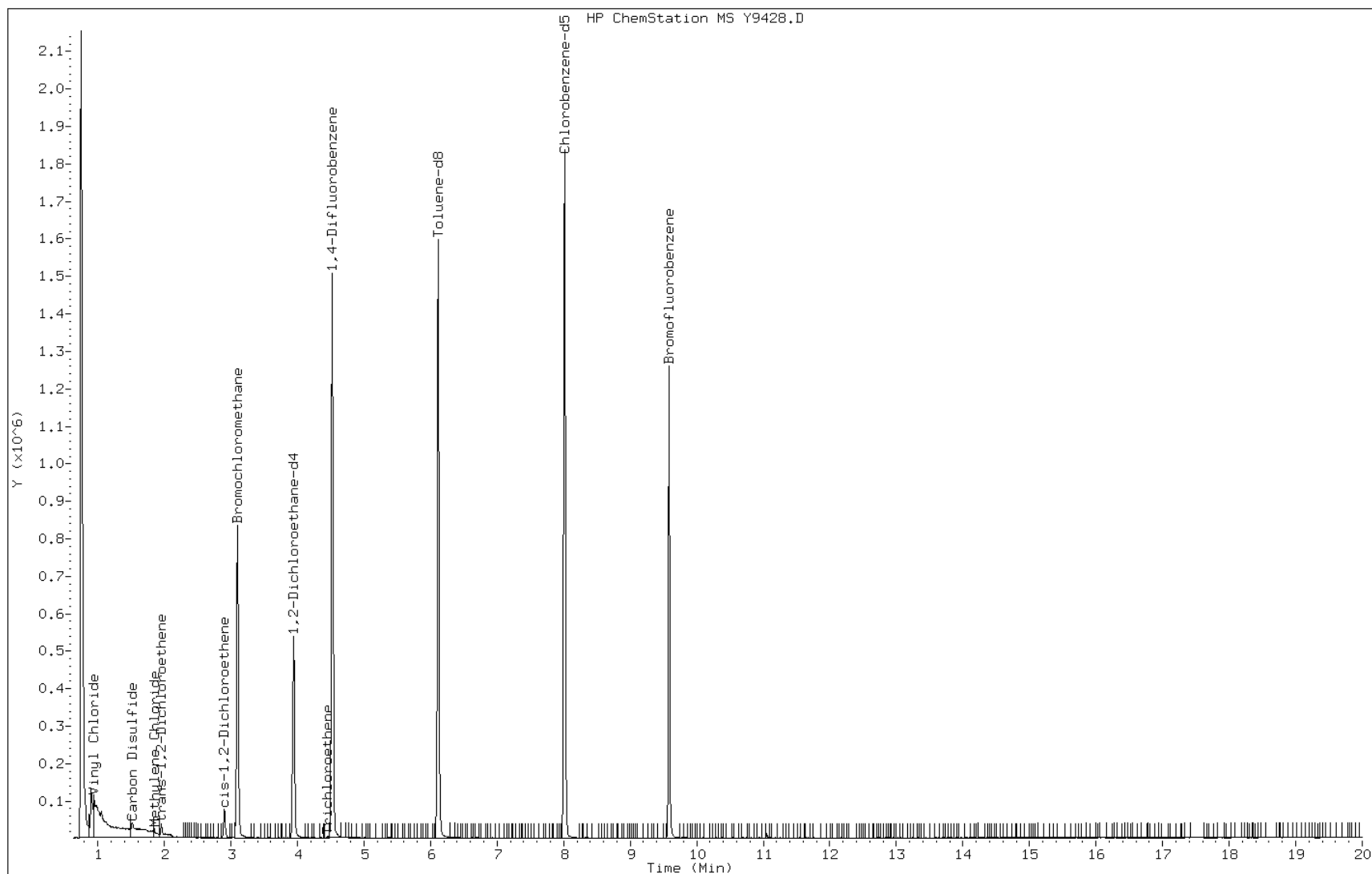
Date: 30-DEC-2009 16:14

Client ID: MW-15D

Instrument: msy.i

Sample Info: 220-11150-A-4

Operator: D. HUMBERT



Data File: Y9428.D

Date: 30-DEC-2009 16:14

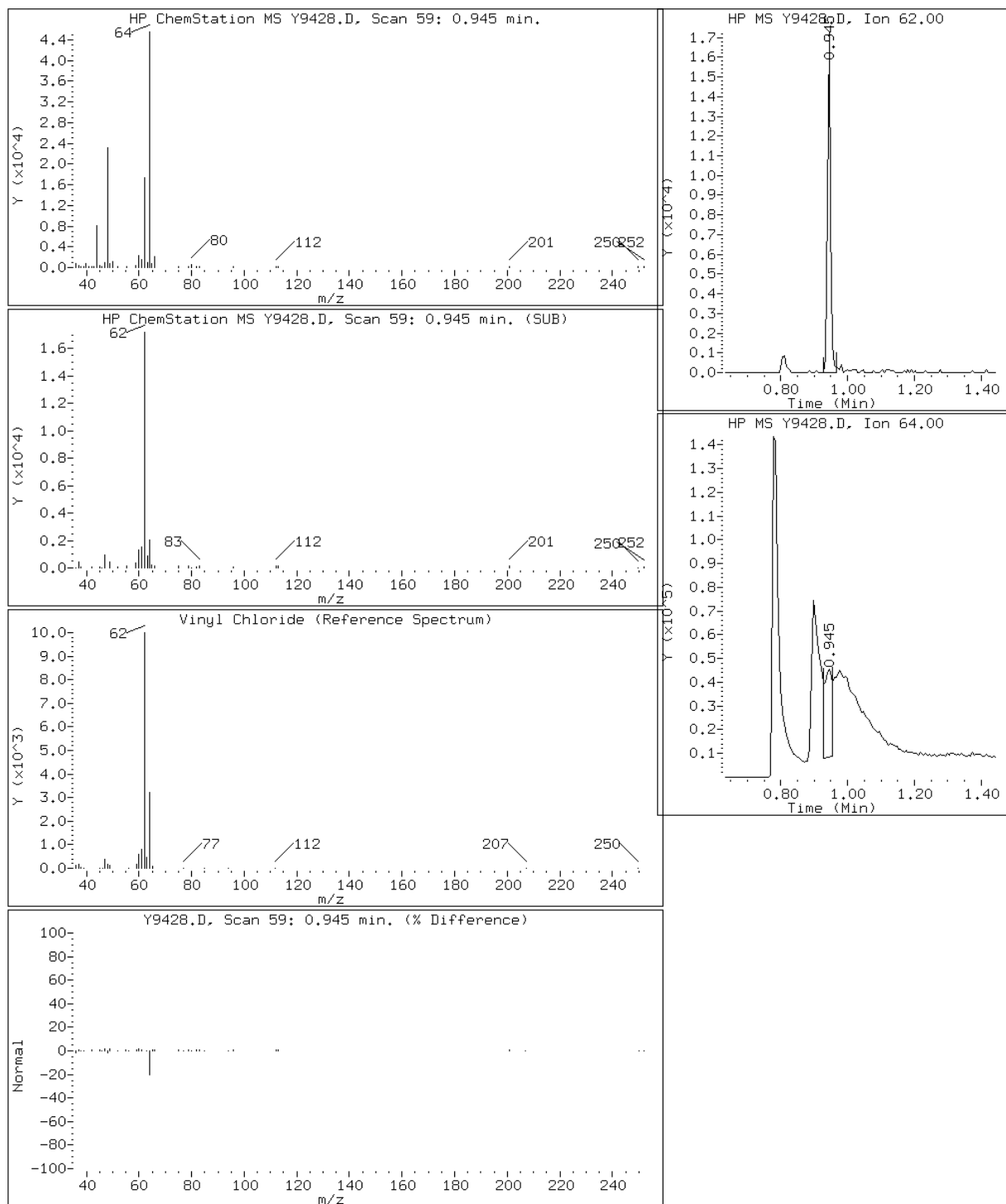
Client ID: MW-15D

Instrument: msy.i

Sample Info: 220-11150-A-4

Operator: D. HUMBERT

7 Vinyl Chloride



Data File: Y9428.D

Date: 30-DEC-2009 16:14

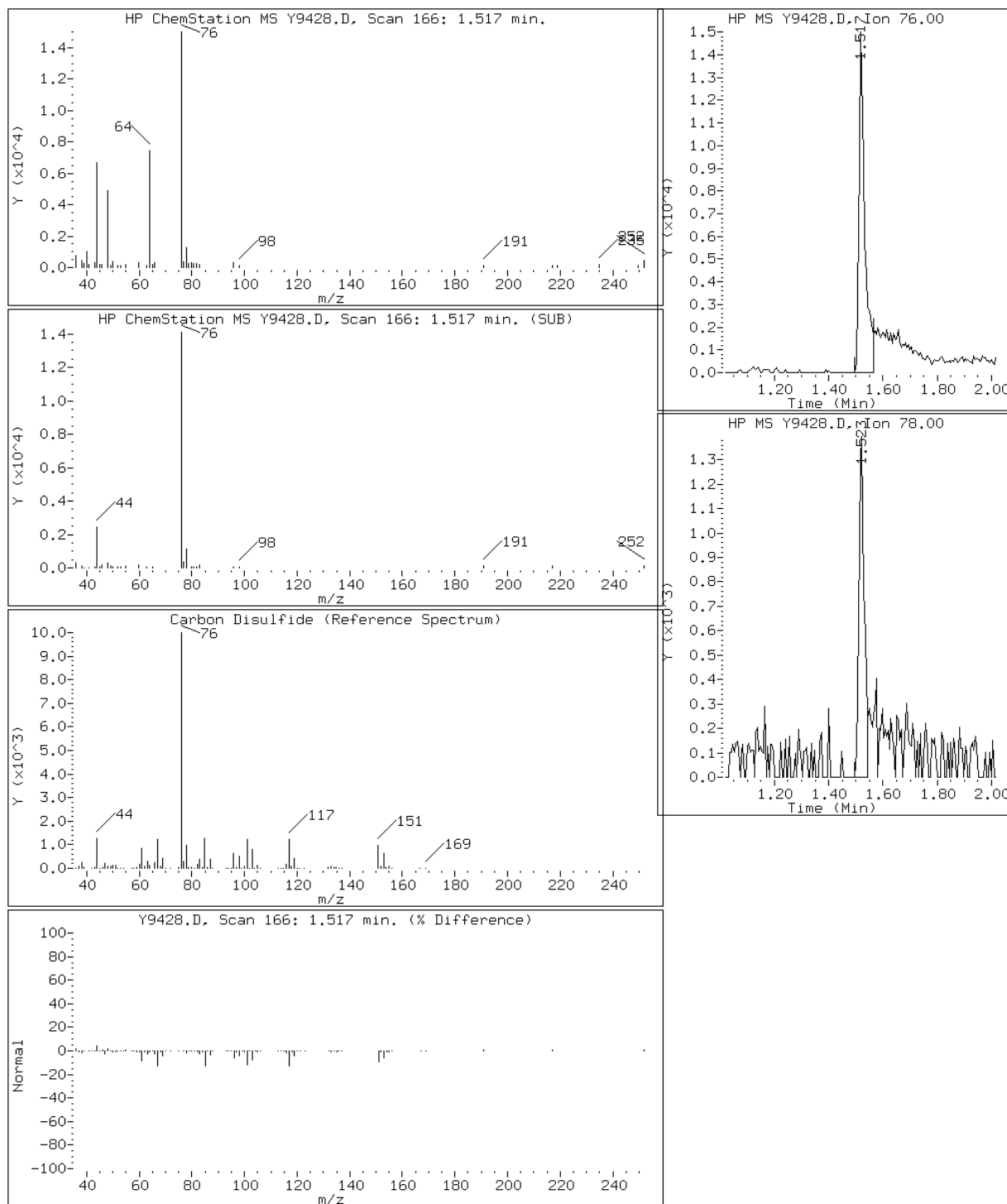
Client ID: MW-15D

Instrument: msy.i

Sample Info: 220-11150-A-4

Operator: D. HUMBERT

15 Carbon Disulfide



Data File: Y9428.D

Date: 30-DEC-2009 16:14

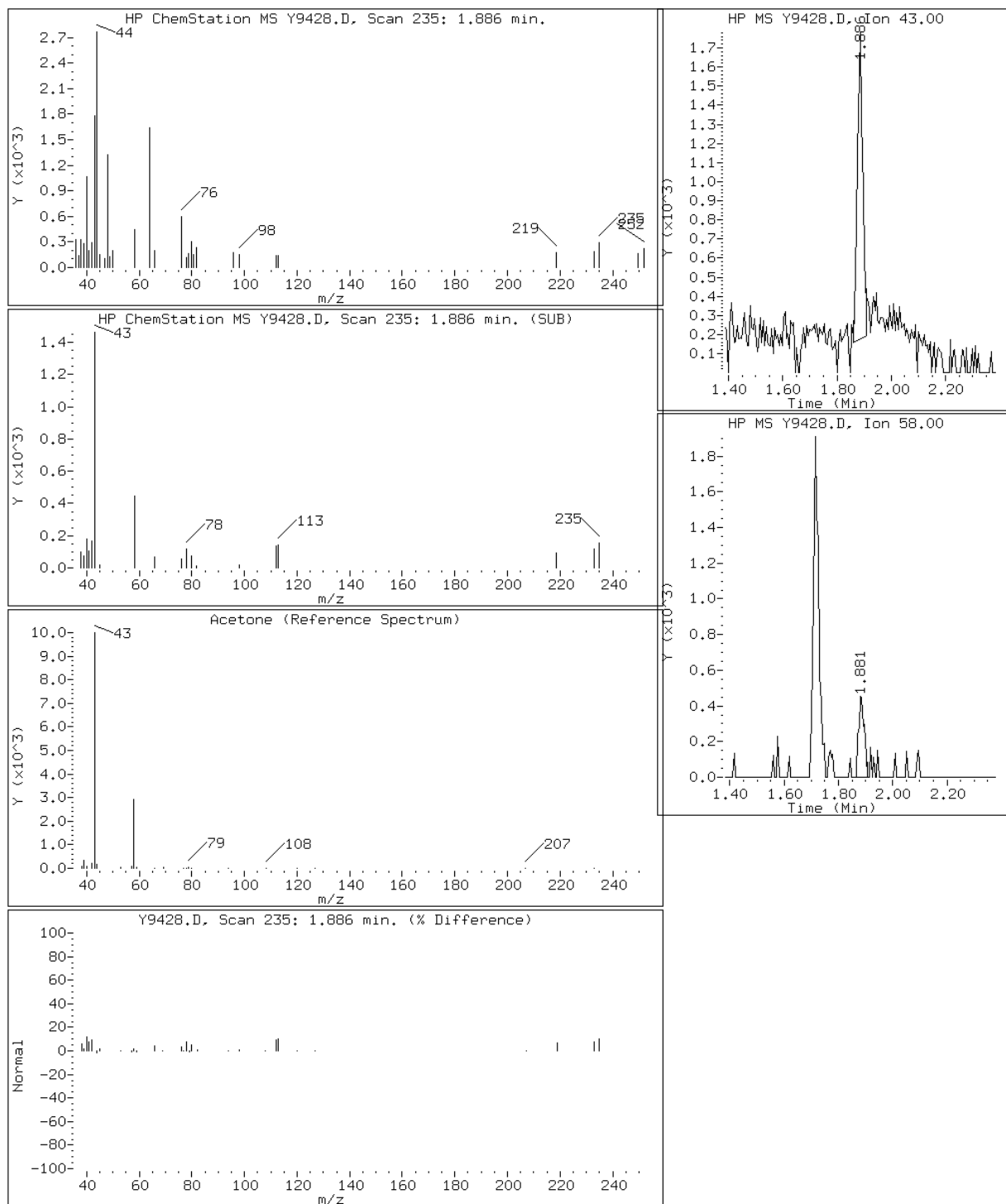
Client ID: MW-15D

Instrument: msy.i

Sample Info: 220-11150-A-4

Operator: D. HUMBERT

18 Acetone



Data File: Y9428.D

Date: 30-DEC-2009 16:14

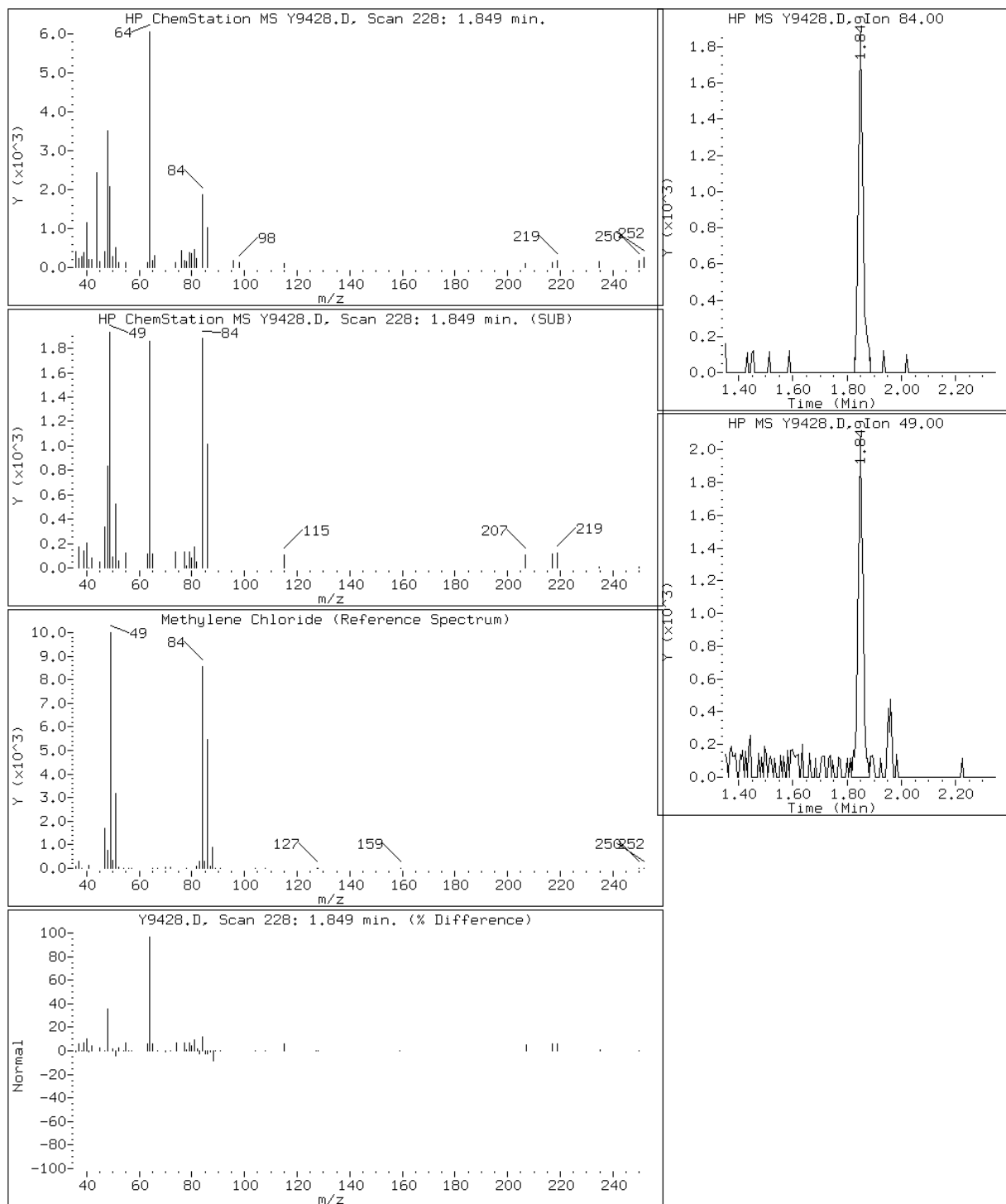
Client ID: MW-15D

Instrument: msy.i

Sample Info: 220-11150-A-4

Operator: D. HUMBERT

17 Methylene Chloride



Data File: Y9428.D

Date: 30-DEC-2009 16:14

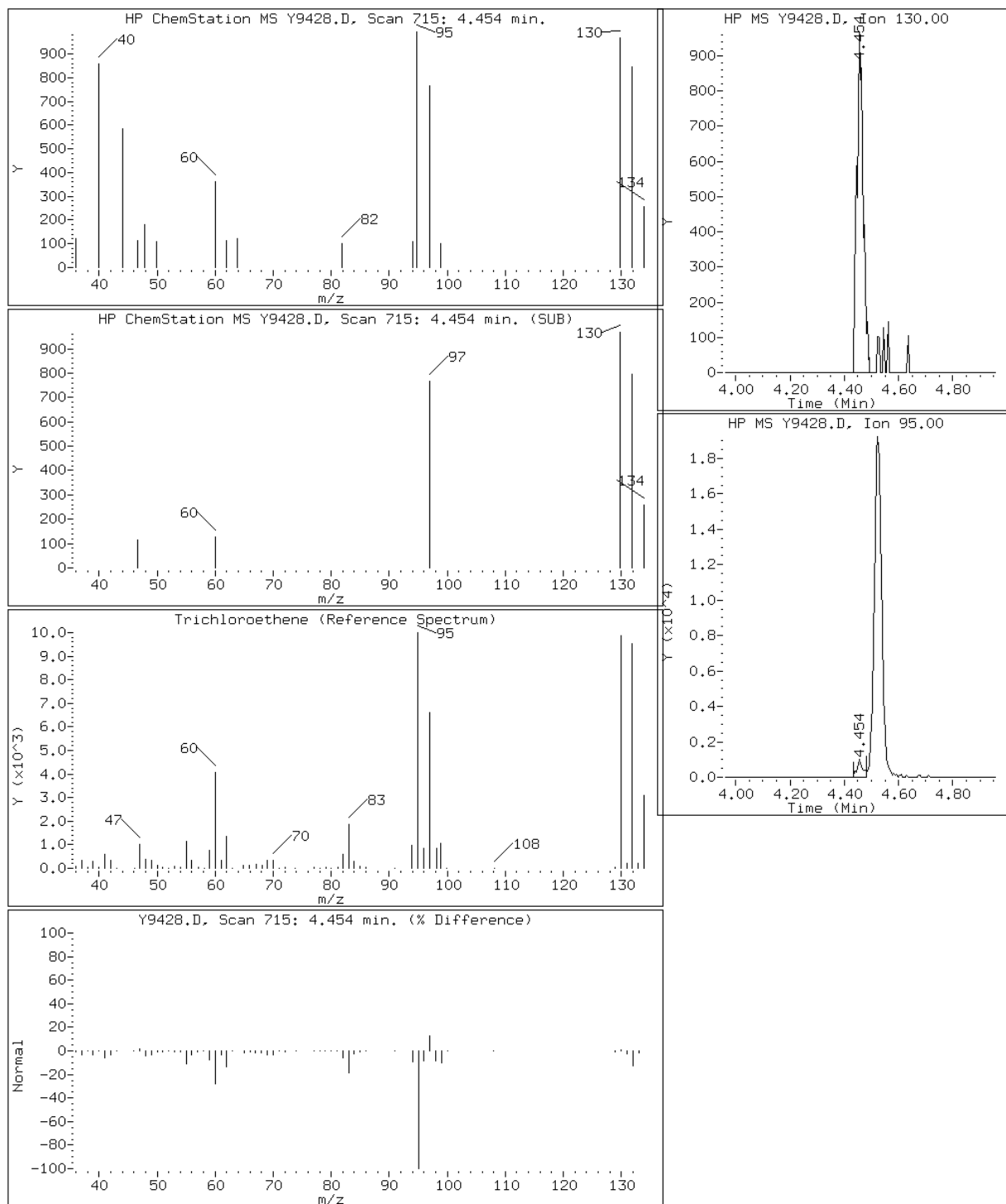
Client ID: MW-15D

Instrument: msy.i

Sample Info: 220-11150-A-4

Operator: D. HUMBERT

41 Trichloroethene



Data File: Y9428.D

Date: 30-DEC-2009 16:14

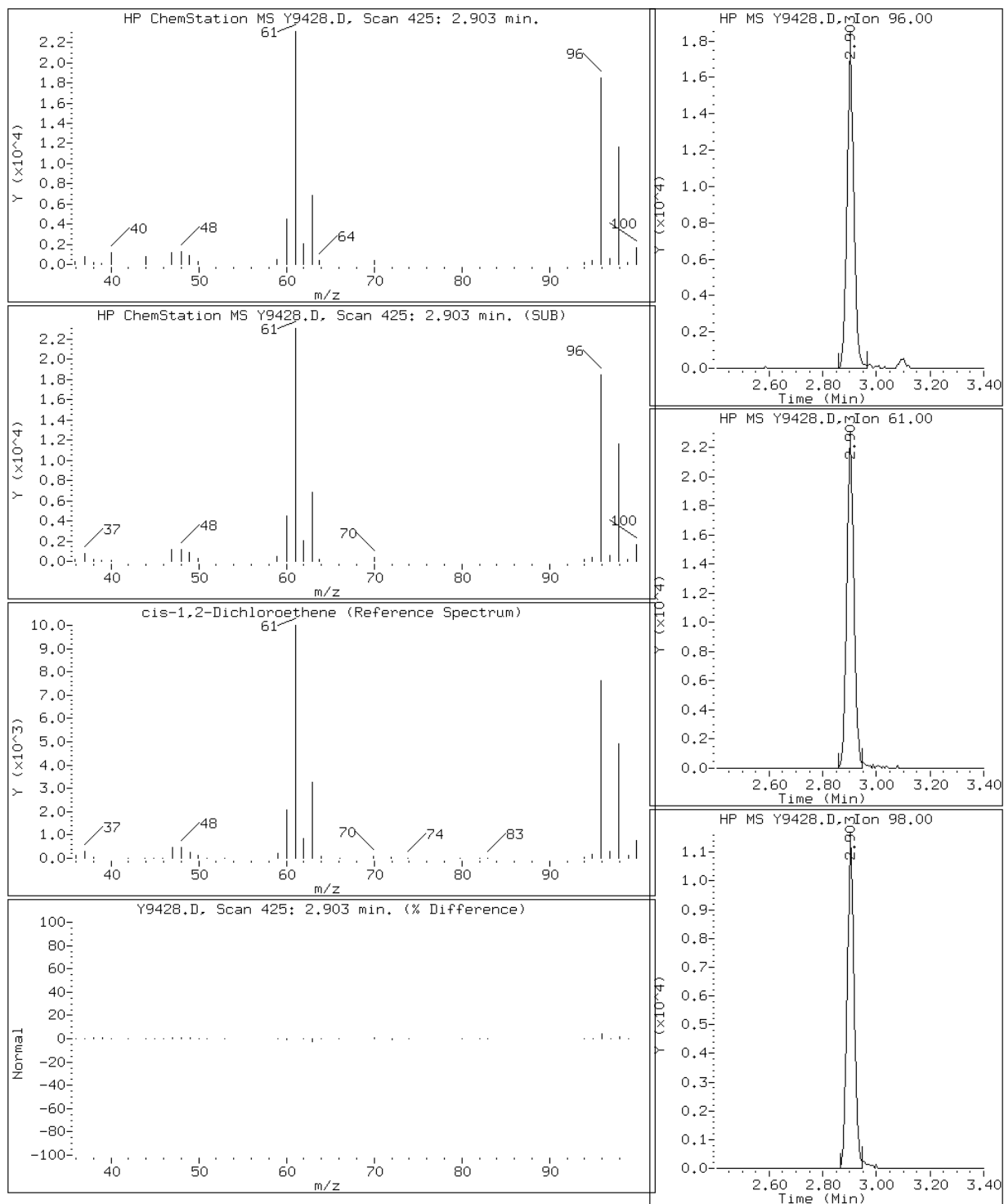
Client ID: MW-15D

Instrument: msy.i

Sample Info: 220-11150-A-4

Operator: D. HUMBERT

26 cis-1,2-Dichloroethene



Data File: Y9428.D

Date: 30-DEC-2009 16:14

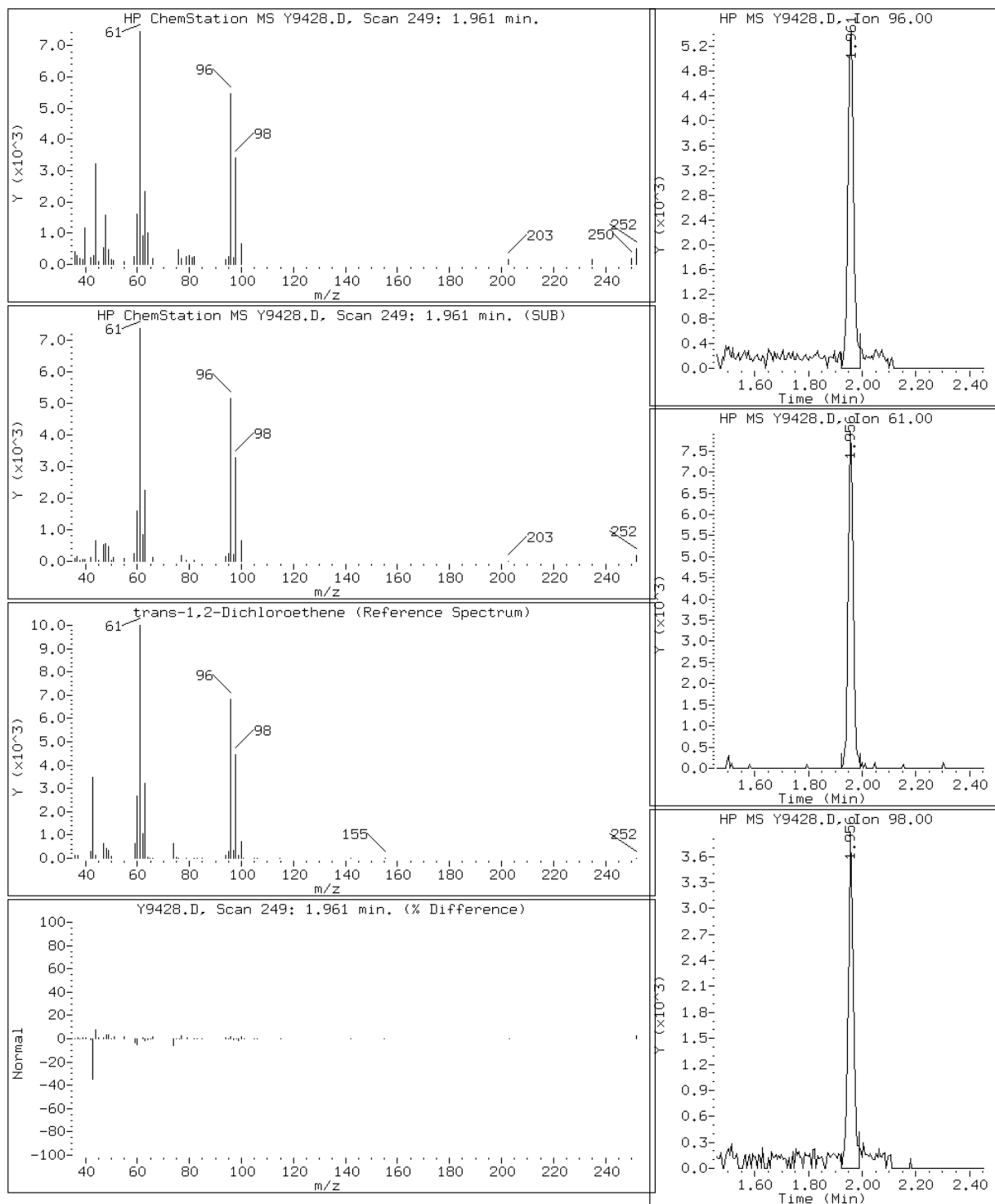
Client ID: MW-15D

Instrument: msy.i

Sample Info: 220-11150-A-4

Operator: D. HUMBERT

20 trans-1,2-Dichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Connecticut</u>	Job No.: <u>220-11150-1</u>
SDG No.: <u>220-11150</u>	
Client Sample ID: <u>MW-16D</u>	Lab Sample ID: <u>220-11150-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>Y9429.D</u>
Analysis Method: <u>OLM04.2/Vol</u>	Date Collected: <u>12/21/2009 09:45</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>12/30/2009 16:41</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-VMS</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>34907</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	10	U	10	0.10
75-01-4	Vinyl chloride	1.9	J	10	0.10
74-83-9	Bromomethane	10	U *	10	0.10
75-00-3	Chloroethane	10	U	10	0.10
75-35-4	1,1-Dichloroethene	0.12	J	10	0.10
75-15-0	Carbon disulfide	1.5	J	10	0.10
67-64-1	Acetone	1.6	J * B	10	0.10
75-09-2	Methylene Chloride	0.30	J B	10	0.10
75-34-3	1,1-Dichloroethane	10	U	10	0.10
78-93-3	Methyl Ethyl Ketone	10	U *	10	0.10
67-66-3	Chloroform	10	U	10	0.10
71-55-6	1,1,1-Trichloroethane	10	U	10	0.10
56-23-5	Carbon tetrachloride	10	U	10	0.10
71-43-2	Benzene	0.36	J	10	0.10
107-06-2	1,2-Dichloroethane	10	U	10	0.10
79-01-6	Trichloroethene	0.21	J	10	0.10
78-87-5	1,2-Dichloropropane	10	U	10	0.10
75-27-4	Bromodichloromethane	10	U	10	0.10
10061-01-5	cis-1,3-Dichloropropene	10	U	10	0.10
108-10-1	methyl isobutyl ketone	10	U	10	0.10
108-88-3	Toluene	2.0	J	10	0.10
10061-02-6	trans-1,3-Dichloropropene	10	U	10	0.10
79-00-5	1,1,2-Trichloroethane	10	U	10	0.10
127-18-4	Tetrachloroethene	10	U	10	0.10
591-78-6	2-Hexanone	10	U *	10	0.10
124-48-1	Dibromochloromethane	10	U	10	0.10
108-90-7	Chlorobenzene	10	U	10	0.10
100-41-4	Ethylbenzene	0.20	J	10	0.10
100-42-5	Styrene	10	U	10	0.10
75-25-2	Bromoform	10	U	10	0.10
79-34-5	1,1,2,2-Tetrachloroethane	10	U	10	0.10
1330-20-7	Xylenes, Total	0.59	J	10	0.10
156-59-2	cis-1,2-Dichloroethene	0.30	J	10	0.10
156-60-5	trans-1,2-Dichloroethene	2.9	J	10	0.10
75-71-8	Dichlorodifluoromethane	10	U	10	0.10
75-69-4	Trichlorofluoromethane	10	U	10	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
 SDG No.: 220-11150
 Client Sample ID: MW-16D Lab Sample ID: 220-11150-5
 Matrix: Water Lab File ID: Y9429.D
 Analysis Method: OLM04.2/Vol Date Collected: 12/21/2009 09:45
 Sample wt/vol: 5 (mL) Date Analyzed: 12/30/2009 16:41
 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.: 34907 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	0.10
1634-04-4	Methyl tert-butyl ether	10	U	10	0.10
106-93-4	1,2-Dibromoethane	10	U	10	0.10
98-82-8	Isopropylbenzene	10	U	10	0.10
541-73-1	1,3-Dichlorobenzene	10	U	10	0.10
106-46-7	1,4-Dichlorobenzene	10	U	10	0.10
95-50-1	1,2-Dichlorobenzene	10	U	10	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	10	0.10
120-82-1	1,2,4-Trichlorobenzene	10	U	10	0.10
79-20-9	Methyl acetate	10	U *	10	0.10
110-82-7	Cyclohexane	10	U	10	0.10
108-87-2	Methylcyclohexane	10	U	10	0.10

CAS NO.	SURROGATE	%REC	LIMITS	Q
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102	76-114	
460-00-4	4-Bromofluorobenzene	93	86-115	
2037-26-5	Toluene-d8 (Surr)	96	88-110	

STL-INC

Volatile Report CLP METHOD OLM 4.2

Data file : \\consrv05\files\chem\VOA\msy.i\Y099415.b\Y9429.D
Lab Smp Id: 220-11150-A-5 Client Smp ID: MW-16D
Inj Date : 30-DEC-2009 16:41 MS Autotune Date: 23-NOV-2009 10:24
Operator : D. HUMBERT Inst ID: msy.i
Smp Info : 220-11150-A-5
Misc Info : 220-11150-A-5
Comment :
Method : \\consrv05\Files\chem\VOA\msy.i\Y099415.b\YCLPW42.m
Meth Date : 05-Jan-2010 14:46 msy.i Quant Type: ISTD
Cal Date : 30-DEC-2009 10:11 Cal File: Y9416.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.14
Compound Sublist: all.sub

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

						CONCENTRATIONS		
		QUANT	SIG				ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====		=====	=====	=====	=====	=====	=====	=====
*	1 Bromochloromethane	128	3.100	3.100	(1.000)	248835	50.0000	
	7 Vinyl Chloride	62	0.944	0.944	(0.305)	12249	1.94578	2
	11 Freon 141	81	1.447	1.447	(0.467)	10983	0.84652	0.8
	14 1,1-Dichloroethene	96	1.447	1.501	(0.467)	726	0.11726	0.1
	15 Carbon Disulfide	76	1.517	1.517	(0.489)	27170	1.49498	1
	17 Methylene Chloride	84	1.848	1.848	(0.596)	2124	0.30121	0.3
	18 Acetone	43	1.881	1.886	(0.607)	5308	1.63409	2
	20 trans-1,2-Dichloroethene	96	1.955	1.955	(0.631)	20191	2.86717	3
	26 cis-1,2-Dichloroethene	96	2.902	2.902	(0.936)	2216	0.30265	0.3
\$	33 1,2-Dichloroethane-d4	65	3.940	3.940	(1.271)	443731	50.9141	51
*	34 1,4-Difluorobenzene	114	4.523	4.523	(1.000)	1283974	50.0000	
	38 Benzene	78	3.790	3.790	(0.838)	8539	0.35884	0.4
	41 Trichloroethene	130	4.459	4.459	(0.986)	1500	0.20915	0.2
*	51 Chlorobenzene-d5	117	8.011	8.017	(1.000)	1174087	50.0000	
	52 Toluene	91	6.171	6.171	(0.770)	59245	2.02390	2
\$	53 Toluene-d8	98	6.112	6.112	(0.763)	1155055	47.8009	48
	60 Ethylbenzene	106	8.118	8.129	(1.013)	1977	0.20433	0.2
	61 Xylene (total)mp	106	8.327	8.332	(1.039)	5564	0.47238	0.5
	62 Xylene (total)o	106	8.867	8.873	(1.107)	1303	0.12224	0.1
\$	72 Bromofluorobenzene	95	9.584	9.584	(1.196)	400627	46.4457	46
M	73 1,2-Dichloroethene (total)	100				22407	3.16982	3
M	74 Xylene (total)	100				6867	0.59463	0.6

Data File: Y9429.D

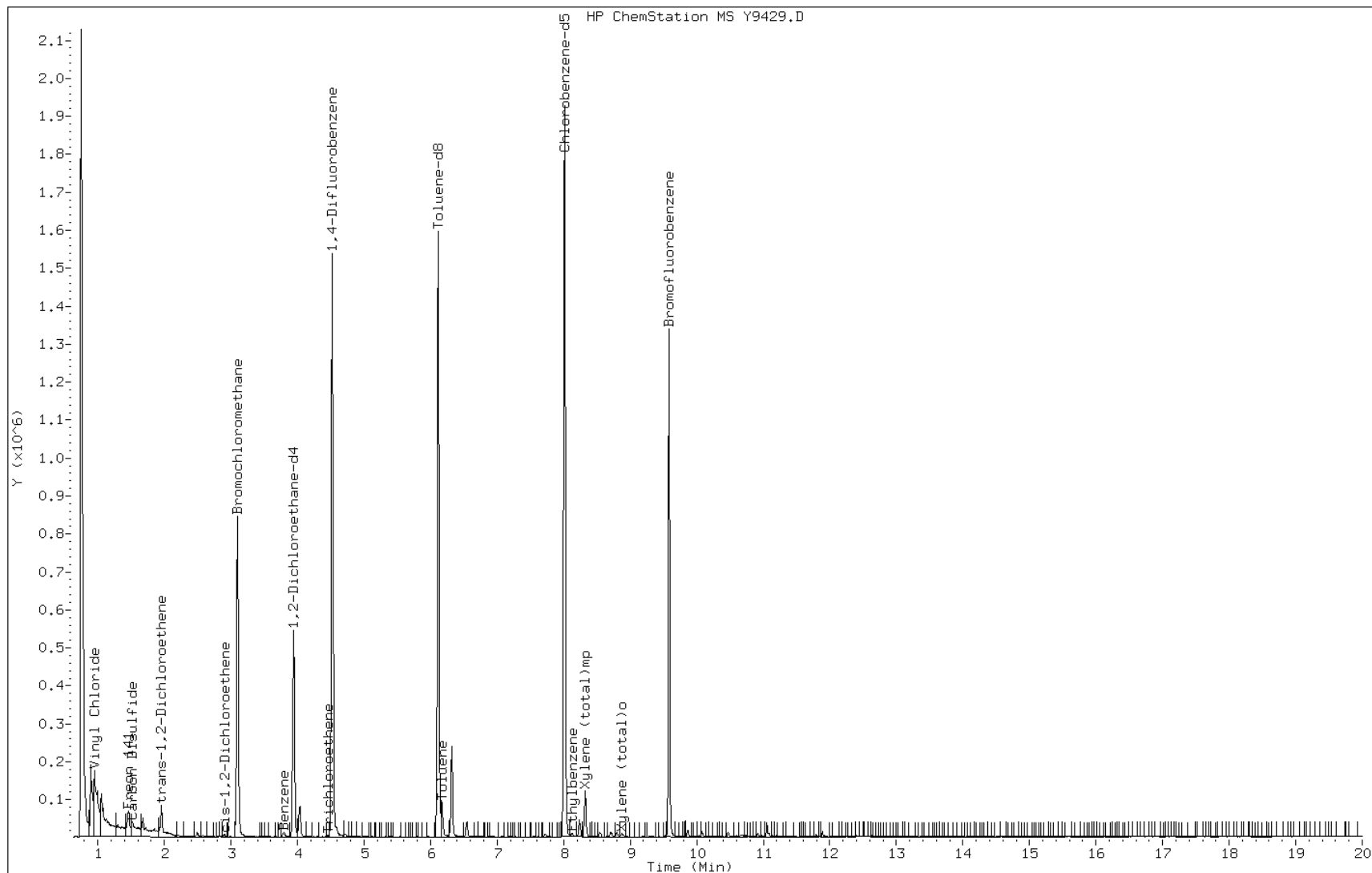
Date: 30-DEC-2009 16:41

Client ID: MW-16D

Instrument: msy.i

Sample Info: 220-11150-A-5

Operator: D. HUMBERT



Data File: Y9429.D

Date: 30-DEC-2009 16:41

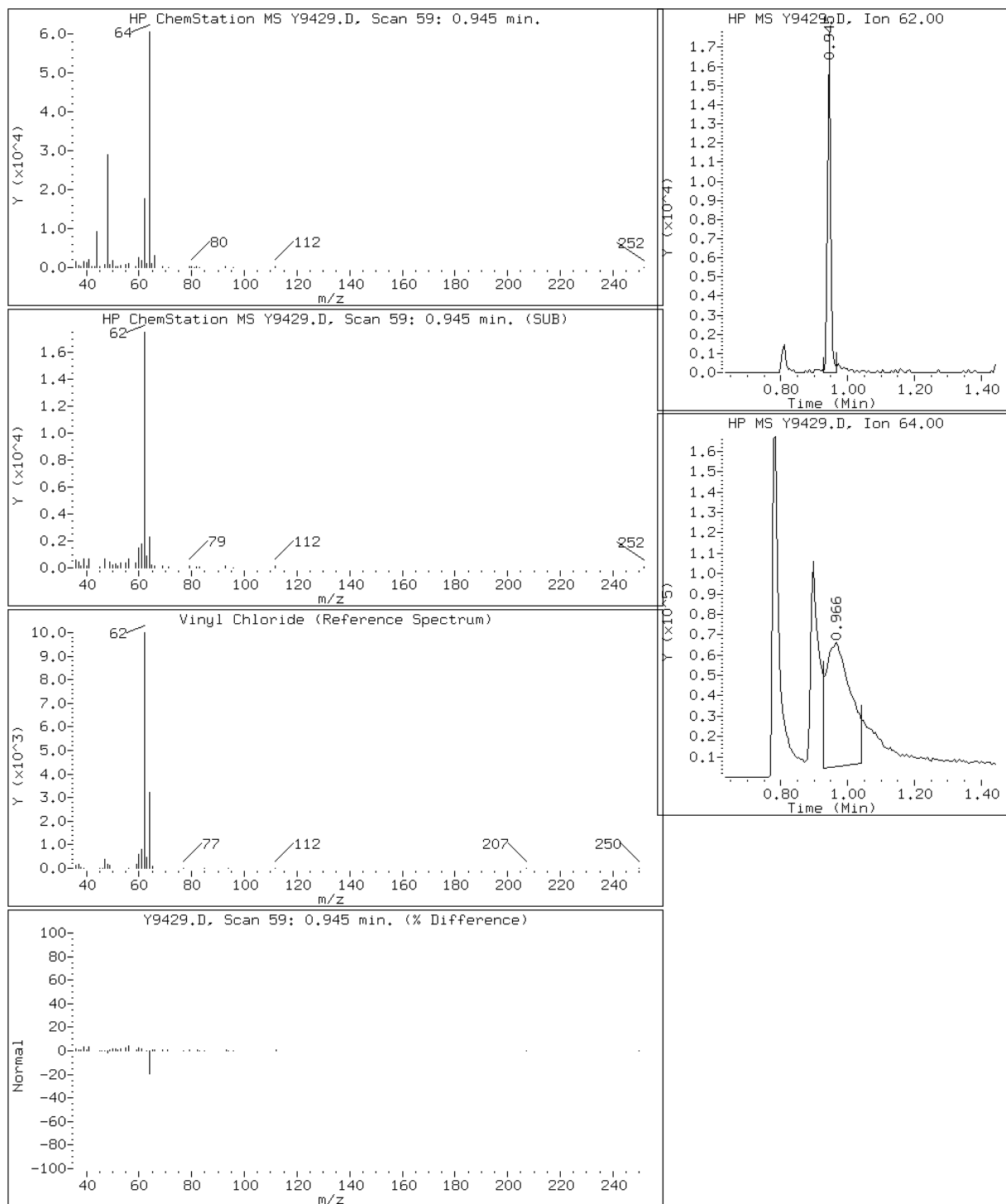
Client ID: MW-16D

Instrument: msy.i

Sample Info: 220-11150-A-5

Operator: D. HUMBERT

7 Vinyl Chloride



Data File: Y9429.D

Date: 30-DEC-2009 16:41

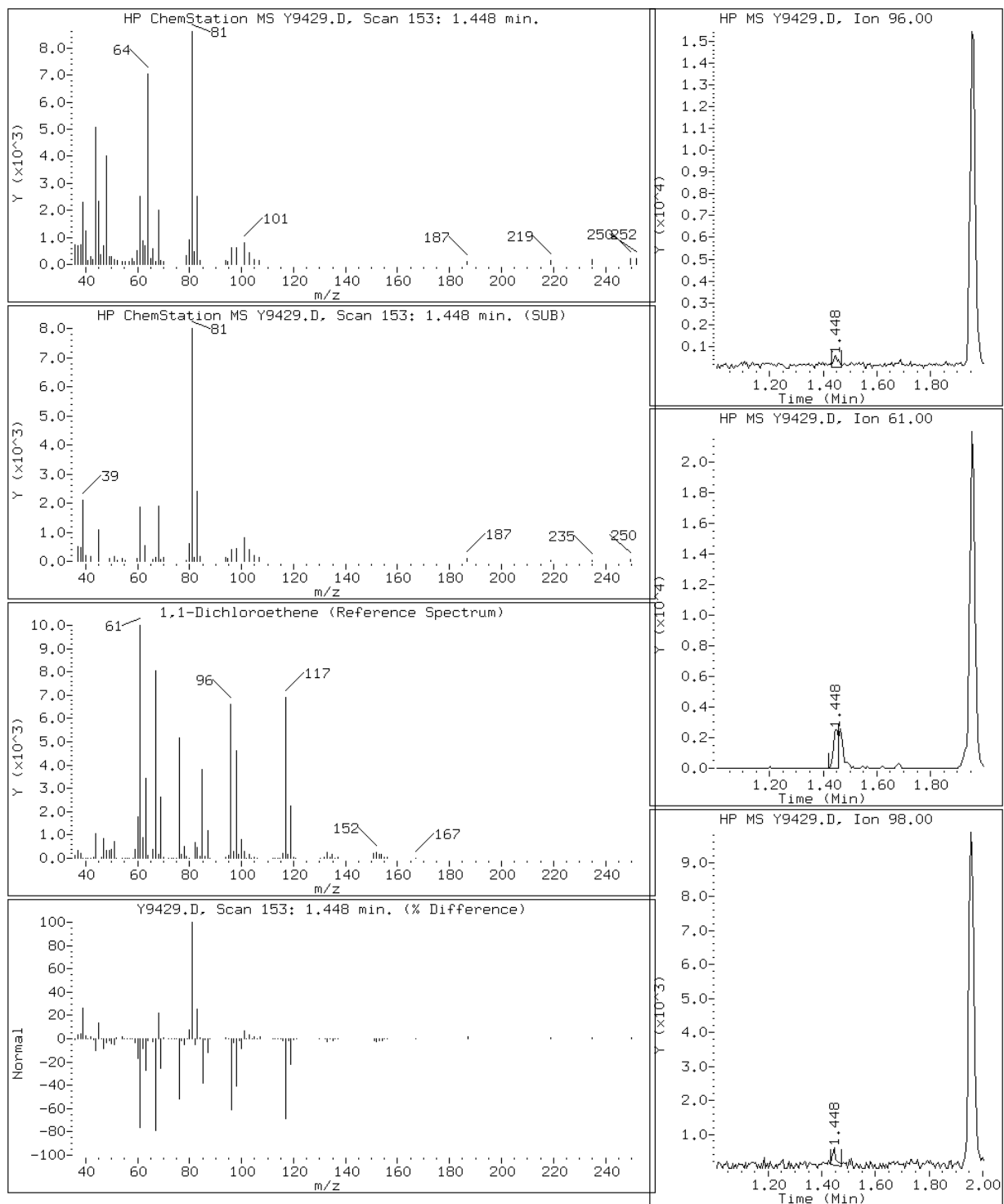
Client ID: MW-16D

Instrument: msy.i

Sample Info: 220-11150-A-5

Operator: D. HUMBERT

14 1,1-Dichloroethene



Data File: Y9429.D

Date: 30-DEC-2009 16:41

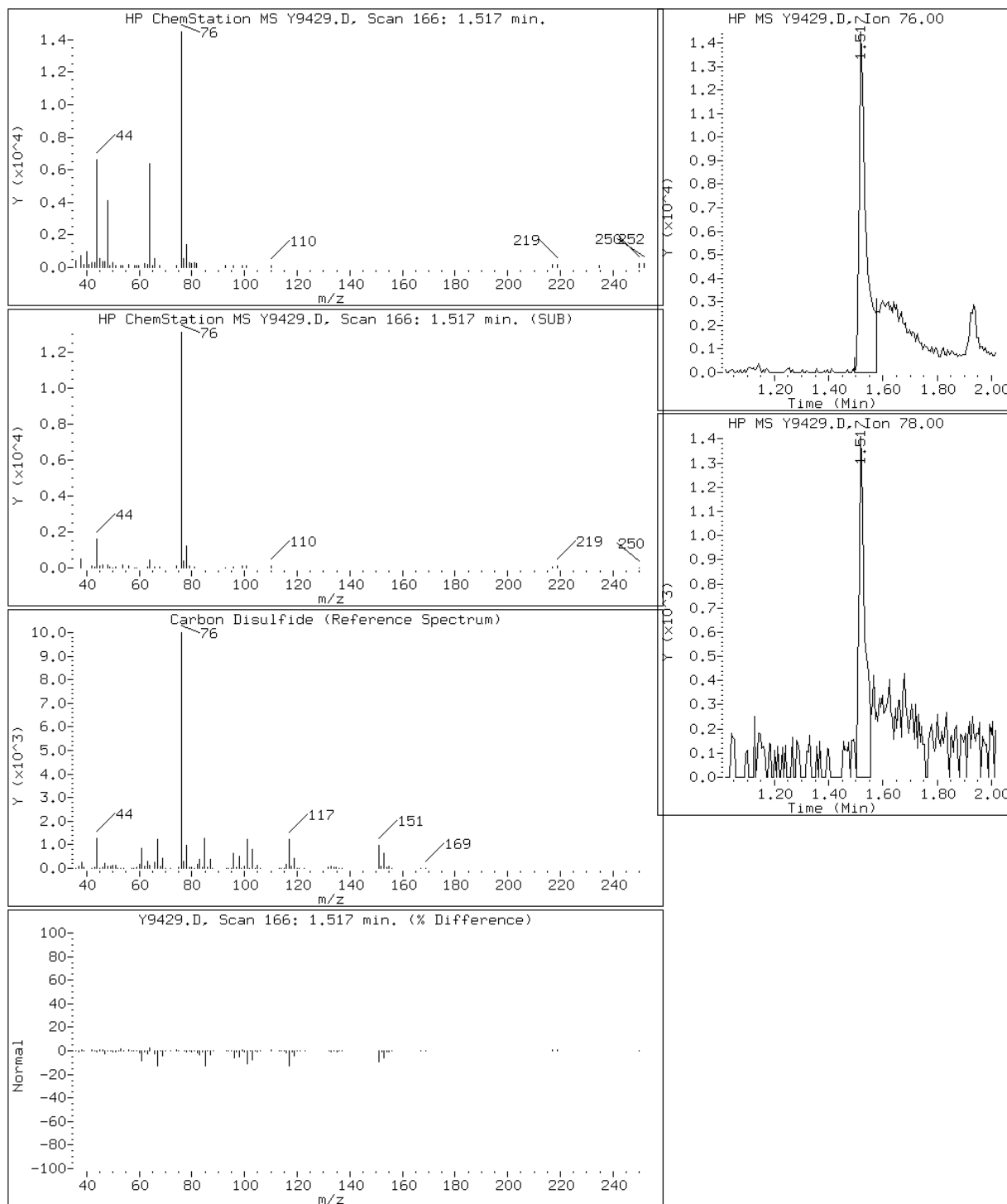
Client ID: MW-16D

Instrument: msy.i

Sample Info: 220-11150-A-5

Operator: D. HUMBERT

15 Carbon Disulfide



Data File: Y9429.D

Date: 30-DEC-2009 16:41

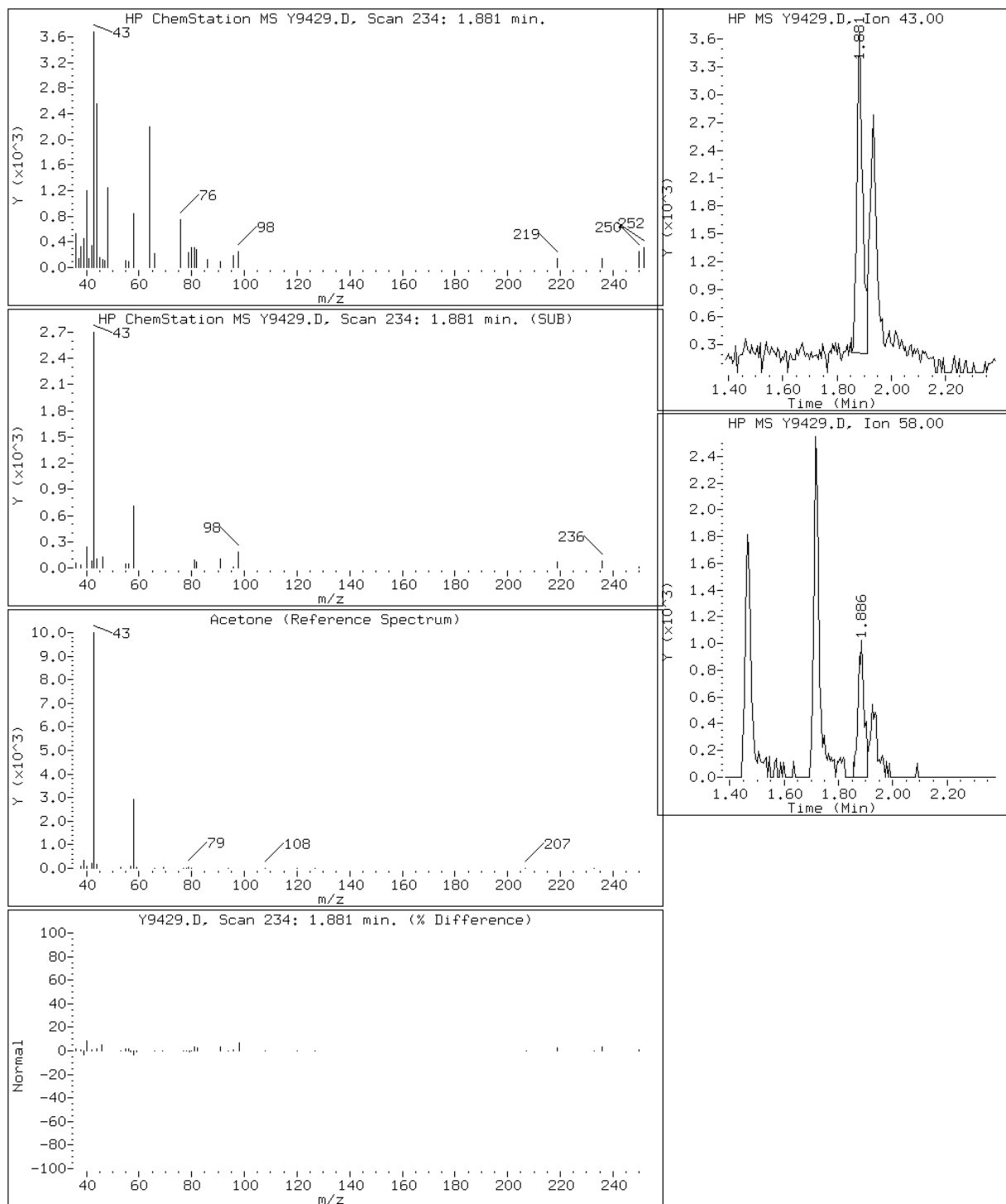
Client ID: MW-16D

Instrument: msy.i

Sample Info: 220-11150-A-5

Operator: D. HUMBERT

18 Acetone



Data File: Y9429.D

Date: 30-DEC-2009 16:41

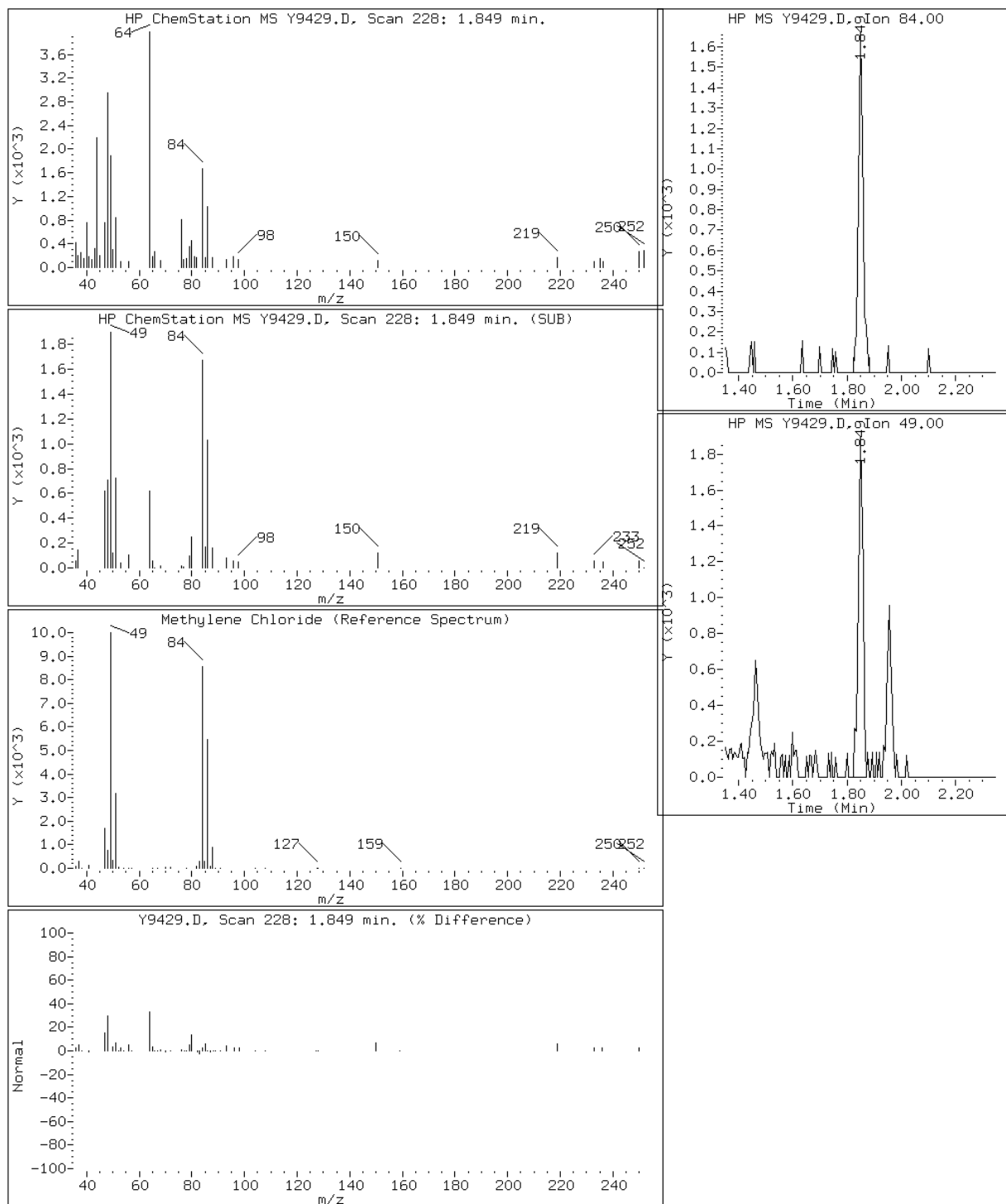
Client ID: MW-16D

Instrument: msy.i

Sample Info: 220-11150-A-5

Operator: D. HUMBERT

17 Methylene Chloride



Data File: Y9429.D

Date: 30-DEC-2009 16:41

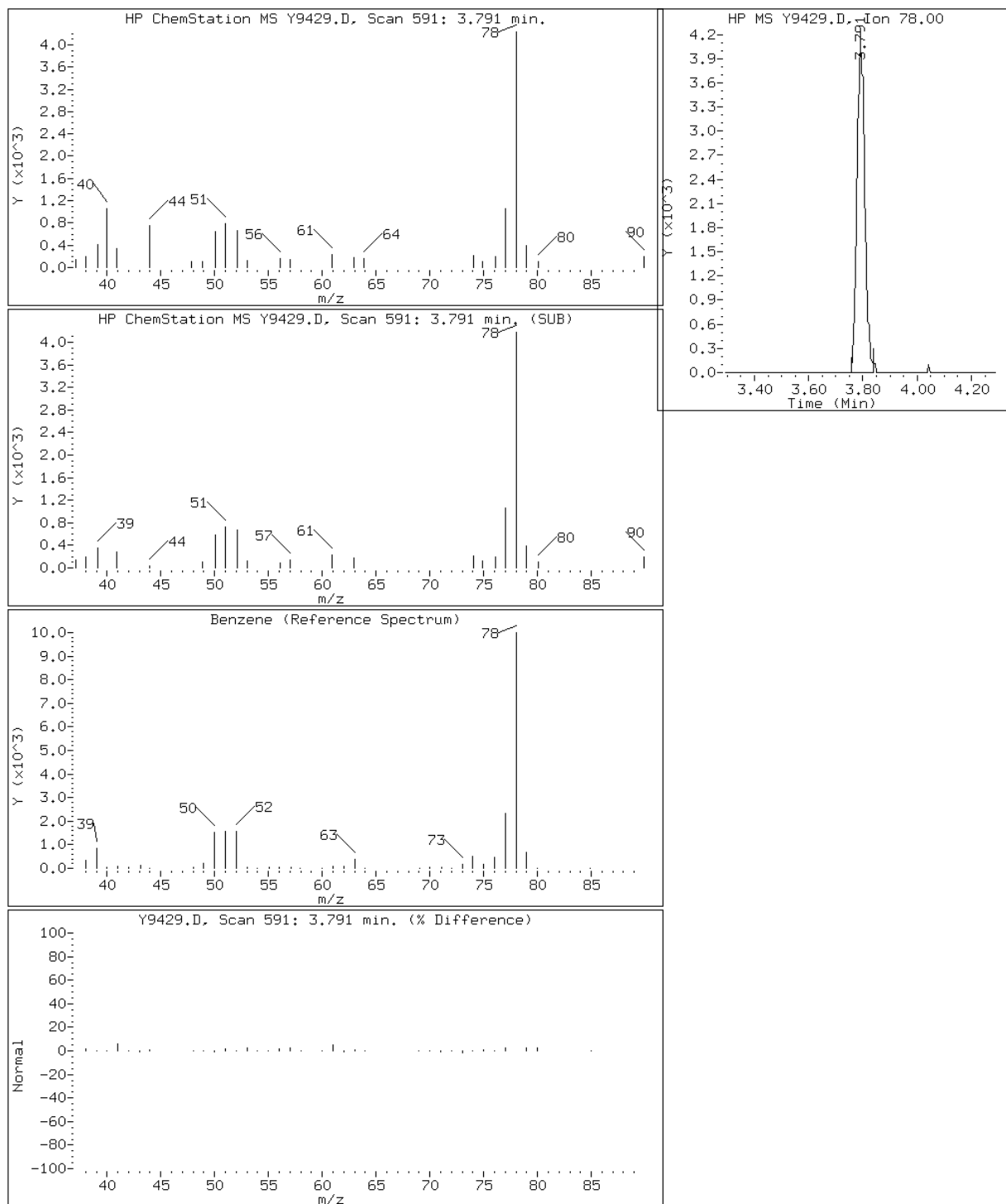
Client ID: MW-16D

Instrument: msy.i

Sample Info: 220-11150-A-5

Operator: D. HUMBERT

38 Benzene



Data File: Y9429.D

Date: 30-DEC-2009 16:41

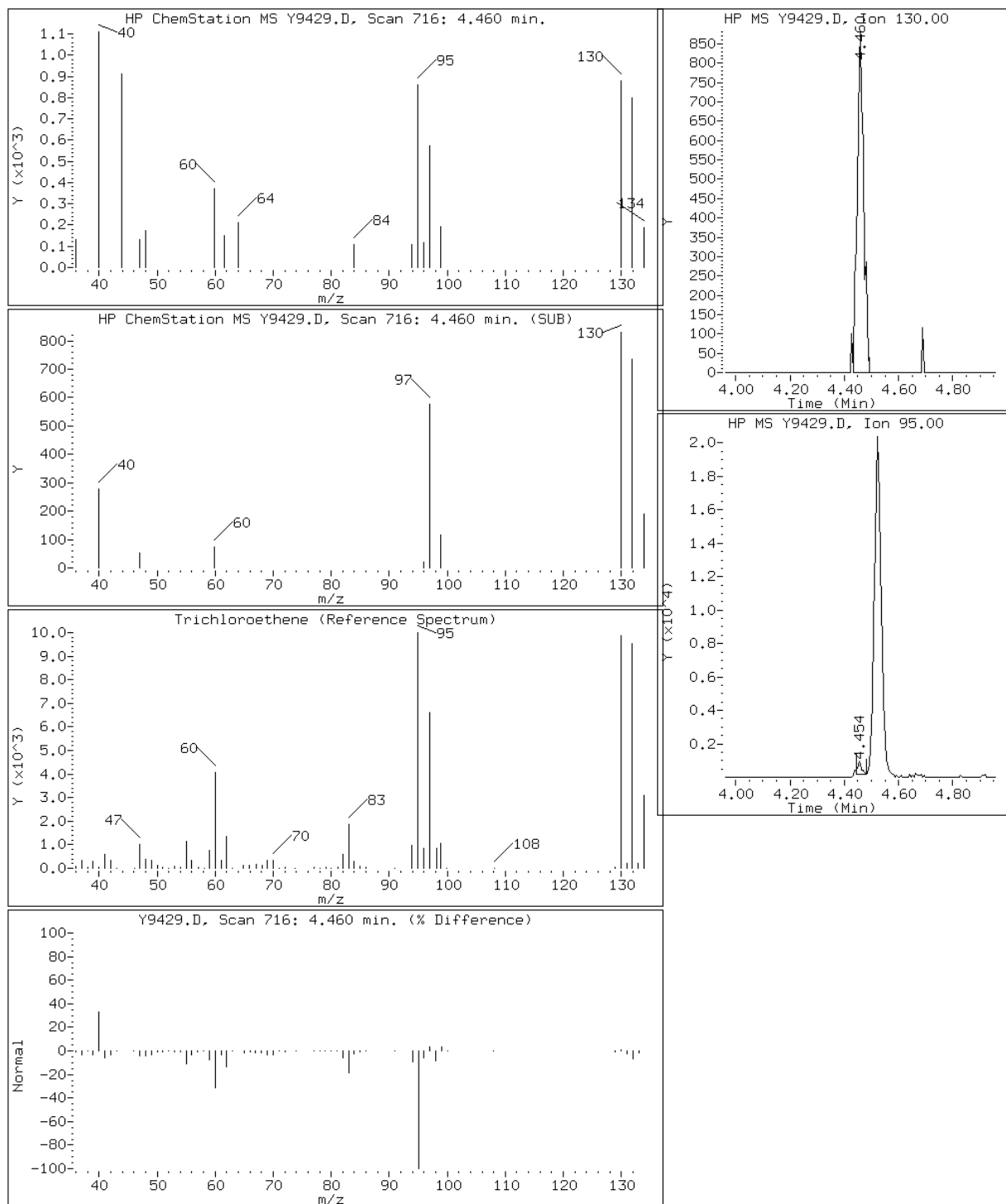
Client ID: MW-16D

Instrument: msy.i

Sample Info: 220-11150-A-5

Operator: D. HUMBERT

41 Trichloroethene



Data File: Y9429.D

Date: 30-DEC-2009 16:41

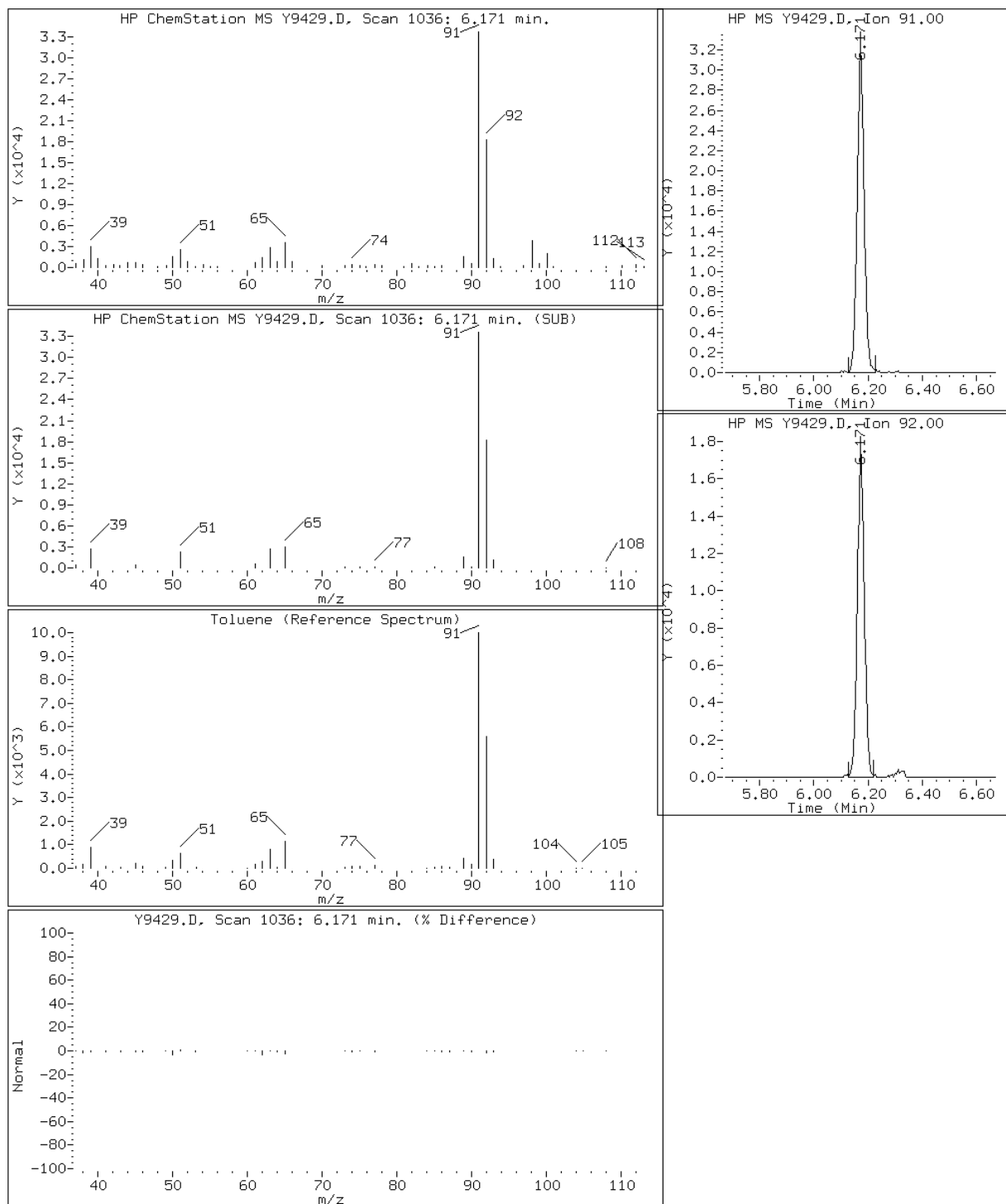
Client ID: MW-16D

Instrument: msy.i

Sample Info: 220-11150-A-5

Operator: D. HUMBERT

52 Toluene



Data File: Y9429.D

Date: 30-DEC-2009 16:41

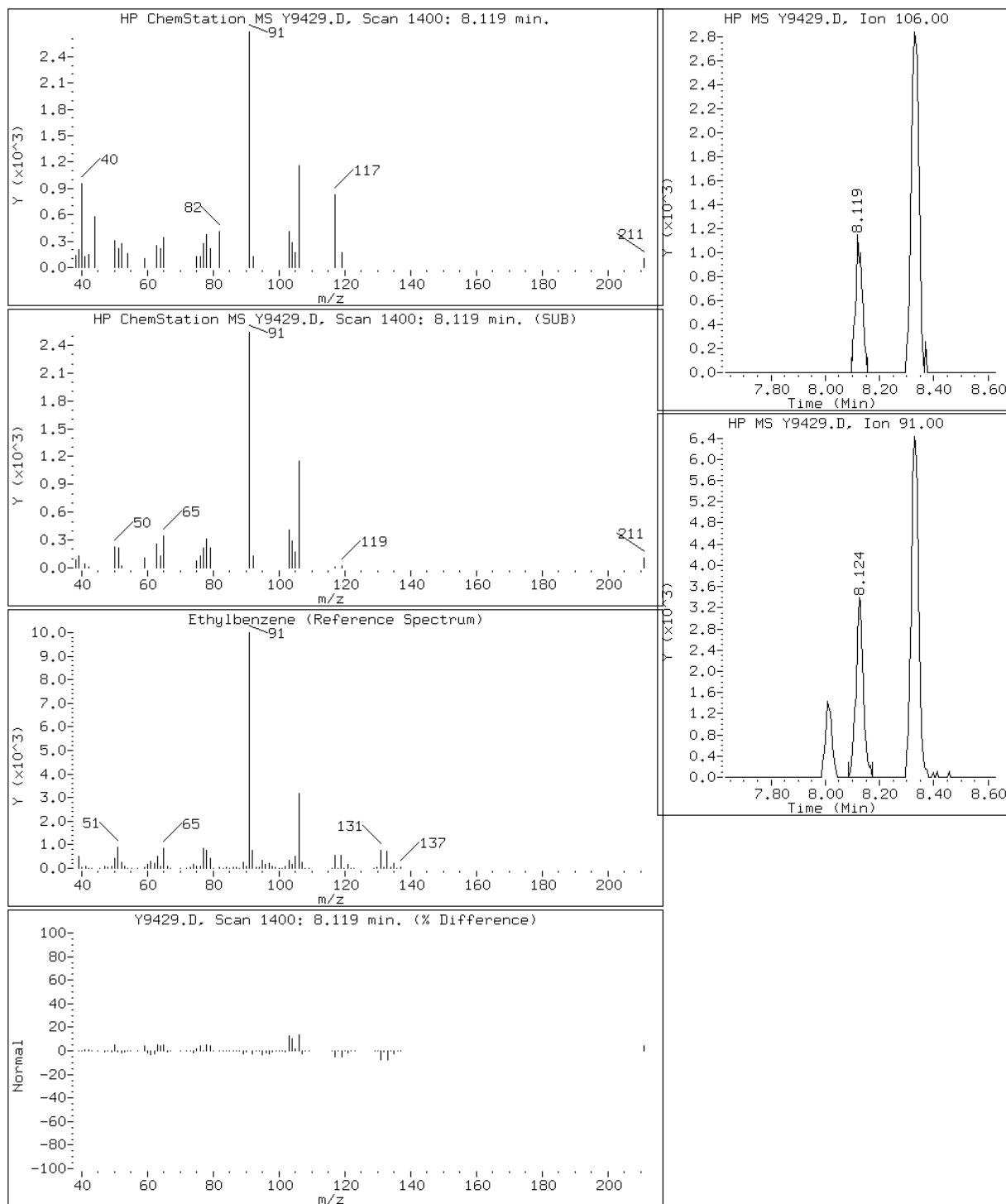
Client ID: MW-16D

Instrument: msy.i

Sample Info: 220-11150-A-5

Operator: D. HUMBERT

60 Ethylbenzene



Data File: Y9429.D

Date: 30-DEC-2009 16:41

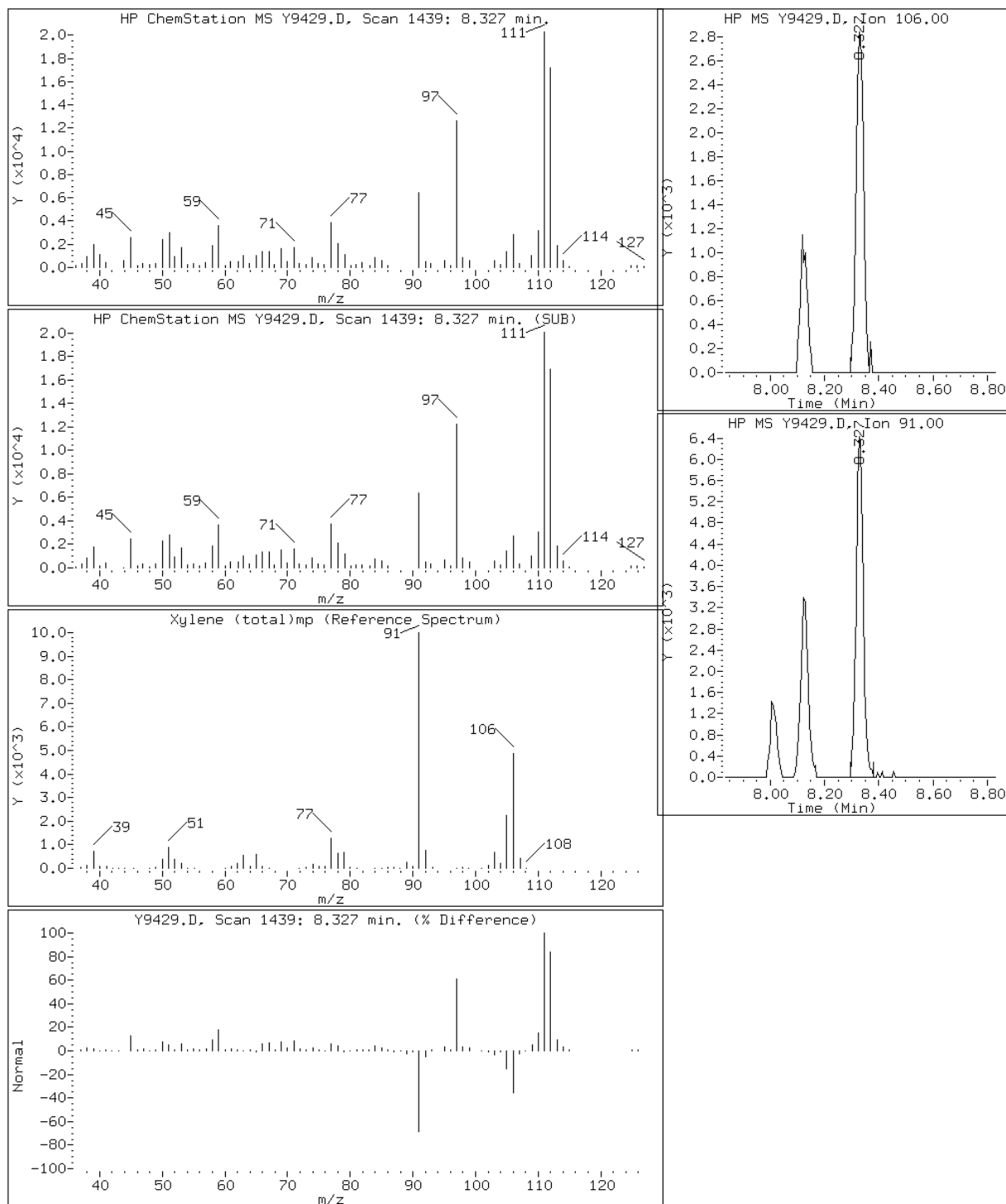
Client ID: MW-16D

Instrument: msy.i

Sample Info: 220-11150-A-5

Operator: D. HUMBERT

61 Xylene (total)mp



Data File: Y9429.D

Date: 30-DEC-2009 16:41

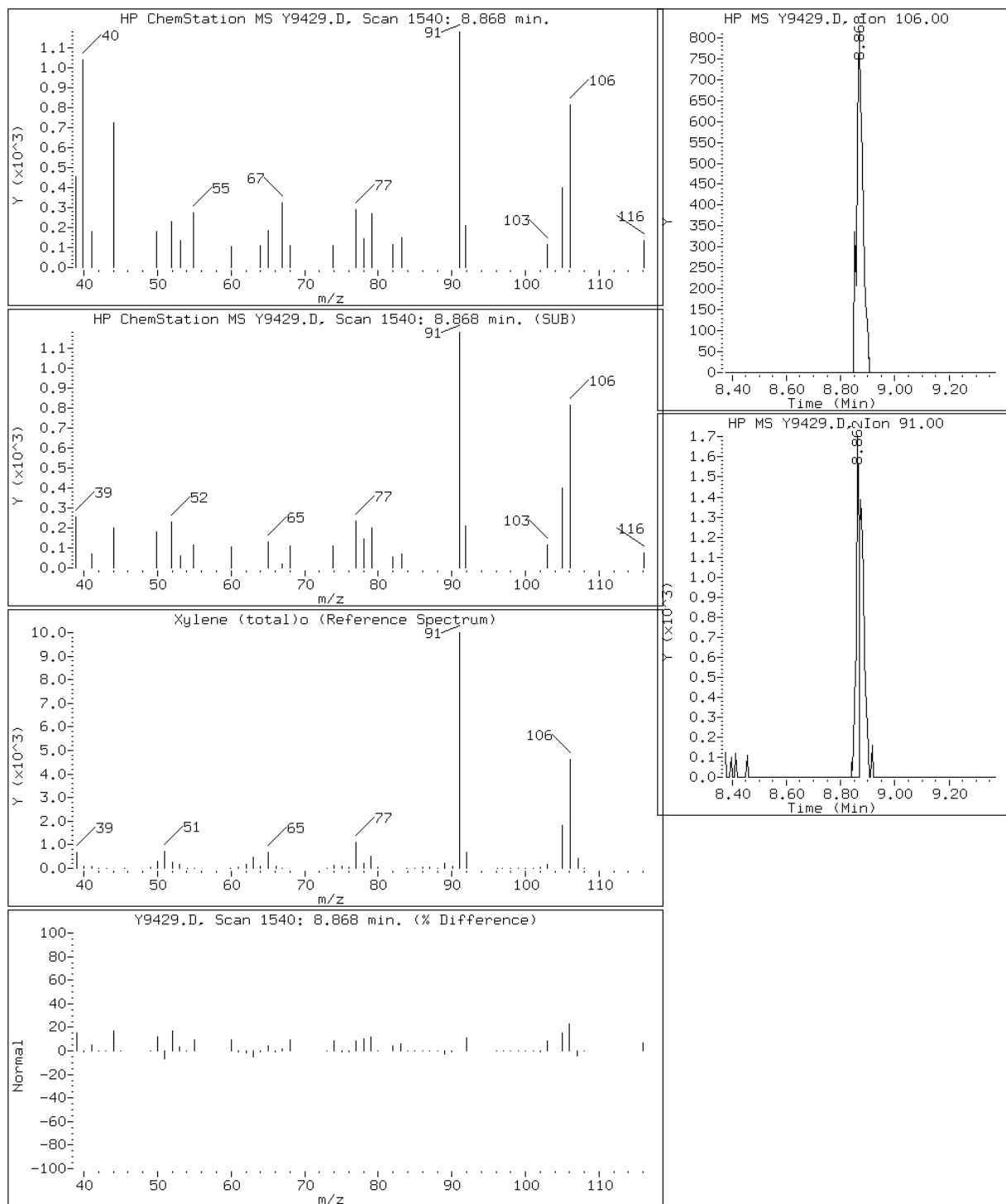
Client ID: MW-16D

Instrument: msy.i

Sample Info: 220-11150-A-5

Operator: D. HUMBERT

62 Xylene (total)o



Data File: Y9429.D

Date: 30-DEC-2009 16:41

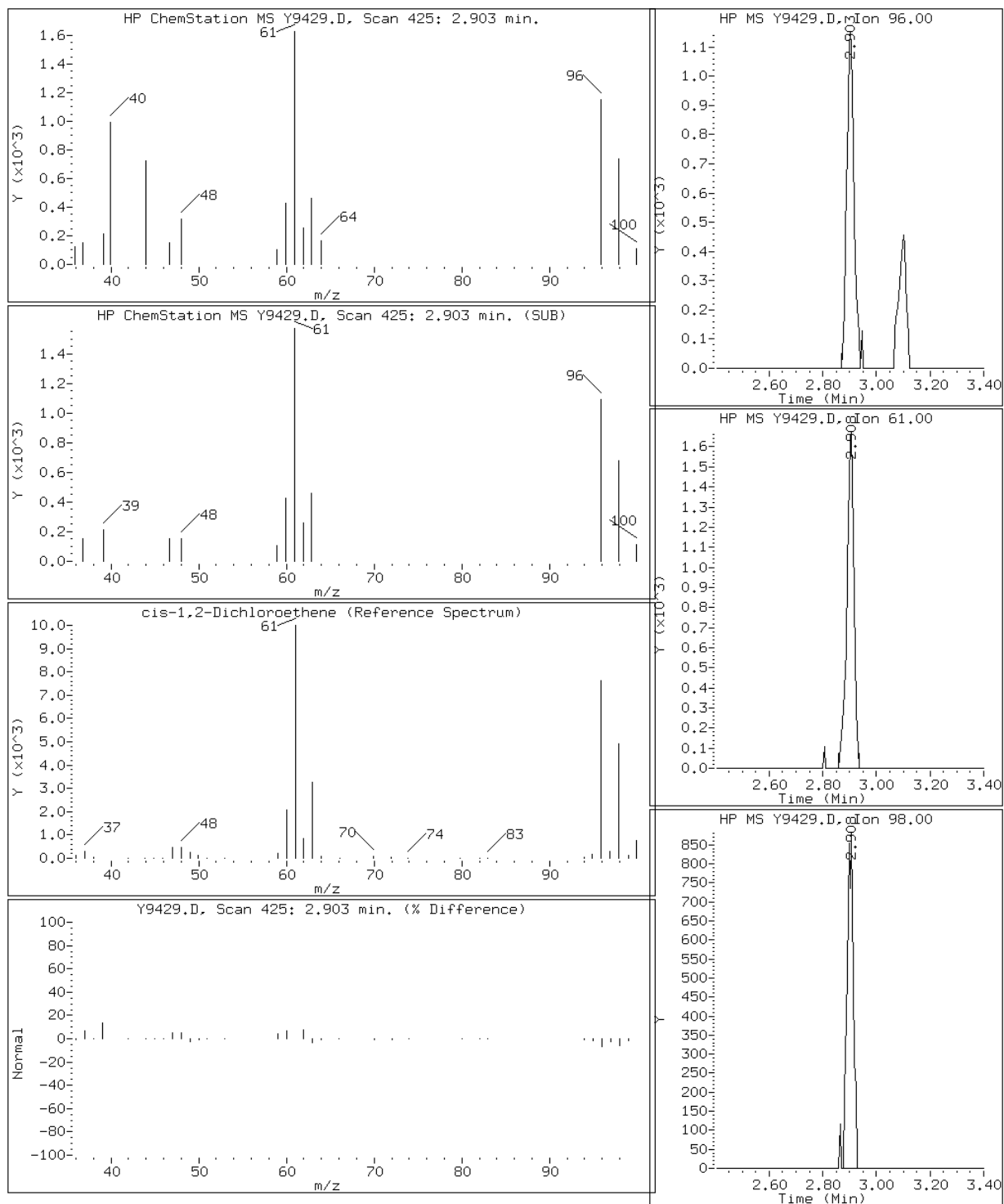
Client ID: MW-16D

Instrument: msy.i

Sample Info: 220-11150-A-5

Operator: D. HUMBERT

26 cis-1,2-Dichloroethene



Data File: Y9429.D

Date: 30-DEC-2009 16:41

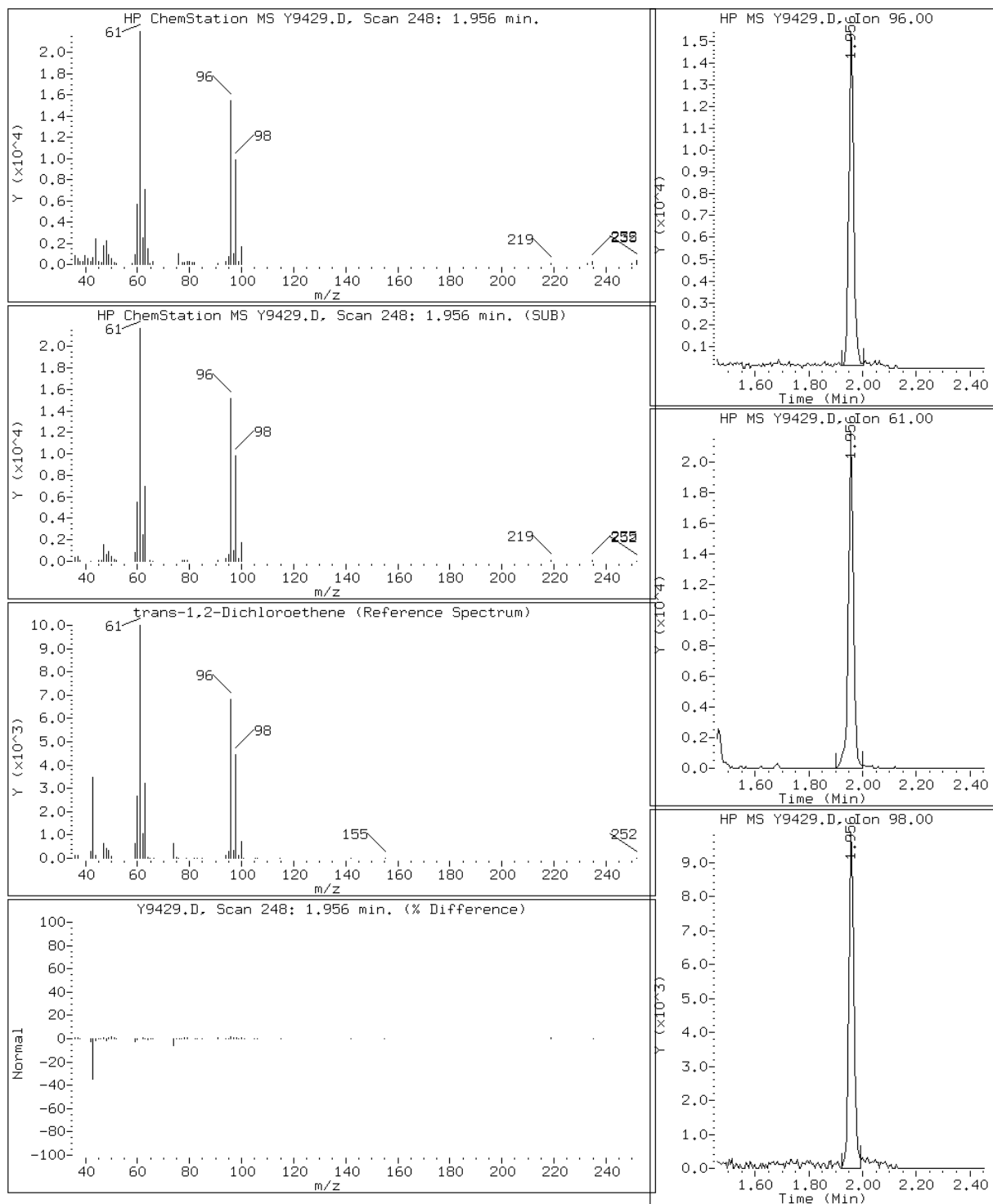
Client ID: MW-16D

Instrument: msy.i

Sample Info: 220-11150-A-5

Operator: D. HUMBERT

20 trans-1,2-Dichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Connecticut</u>	Job No.: <u>220-11150-1</u>
SDG No.: <u>220-11150</u>	
Client Sample ID: <u>MW-2D</u>	Lab Sample ID: <u>220-11150-6</u>
Matrix: <u>Water</u>	Lab File ID: <u>Y9427.D</u>
Analysis Method: <u>OLM04.2/Vol</u>	Date Collected: <u>12/21/2009 12:20</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>12/30/2009 15:48</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-VMS</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>34907</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	10	U	10	0.10
75-01-4	Vinyl chloride	0.28	J	10	0.10
74-83-9	Bromomethane	10	U *	10	0.10
75-00-3	Chloroethane	10	U	10	0.10
75-35-4	1,1-Dichloroethene	10	U	10	0.10
75-15-0	Carbon disulfide	0.75	J	10	0.10
67-64-1	Acetone	0.41	J * B	10	0.10
75-09-2	Methylene Chloride	0.32	J B	10	0.10
75-34-3	1,1-Dichloroethane	10	U	10	0.10
78-93-3	Methyl Ethyl Ketone	10	U *	10	0.10
67-66-3	Chloroform	10	U	10	0.10
71-55-6	1,1,1-Trichloroethane	10	U	10	0.10
56-23-5	Carbon tetrachloride	10	U	10	0.10
71-43-2	Benzene	10	U	10	0.10
107-06-2	1,2-Dichloroethane	10	U	10	0.10
79-01-6	Trichloroethene	10	U	10	0.10
78-87-5	1,2-Dichloropropane	10	U	10	0.10
75-27-4	Bromodichloromethane	10	U	10	0.10
10061-01-5	cis-1,3-Dichloropropene	10	U	10	0.10
108-10-1	methyl isobutyl ketone	10	U	10	0.10
108-88-3	Toluene	10	U	10	0.10
10061-02-6	trans-1,3-Dichloropropene	10	U	10	0.10
79-00-5	1,1,2-Trichloroethane	10	U	10	0.10
127-18-4	Tetrachloroethene	10	U	10	0.10
591-78-6	2-Hexanone	10	U *	10	0.10
124-48-1	Dibromochloromethane	10	U	10	0.10
108-90-7	Chlorobenzene	10	U	10	0.10
100-41-4	Ethylbenzene	10	U	10	0.10
100-42-5	Styrene	10	U	10	0.10
75-25-2	Bromoform	10	U	10	0.10
79-34-5	1,1,2,2-Tetrachloroethane	10	U	10	0.10
1330-20-7	Xylenes, Total	10	U	10	0.10
156-59-2	cis-1,2-Dichloroethene	10	U	10	0.10
156-60-5	trans-1,2-Dichloroethene	10	U	10	0.10
75-71-8	Dichlorodifluoromethane	10	U	10	0.10
75-69-4	Trichlorofluoromethane	10	U	10	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
 SDG No.: 220-11150
 Client Sample ID: MW-2D Lab Sample ID: 220-11150-6
 Matrix: Water Lab File ID: Y9427.D
 Analysis Method: OLM04.2/Vol Date Collected: 12/21/2009 12:20
 Sample wt/vol: 5 (mL) Date Analyzed: 12/30/2009 15:48
 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.: 34907 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	0.10
1634-04-4	Methyl tert-butyl ether	10	U	10	0.10
106-93-4	1,2-Dibromoethane	10	U	10	0.10
98-82-8	Isopropylbenzene	10	U	10	0.10
541-73-1	1,3-Dichlorobenzene	10	U	10	0.10
106-46-7	1,4-Dichlorobenzene	10	U	10	0.10
95-50-1	1,2-Dichlorobenzene	10	U	10	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	10	0.10
120-82-1	1,2,4-Trichlorobenzene	10	U	10	0.10
79-20-9	Methyl acetate	10	U *	10	0.10
110-82-7	Cyclohexane	10	U	10	0.10
108-87-2	Methylcyclohexane	10	U	10	0.10

CAS NO.	SURROGATE	%REC	LIMITS	Q
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102	76-114	
460-00-4	4-Bromofluorobenzene	89	86-115	
2037-26-5	Toluene-d8 (Surr)	98	88-110	

STL-INC

Volatile Report CLP METHOD OLM 4.2

Data file : \\consvr05\files\chem\VOA\msy.i\Y099415.b\Y9427.D
Lab Smp Id: 220-11150-A-6 Client Smp ID: MW-2D
Inj Date : 30-DEC-2009 15:48 MS Autotune Date: 23-NOV-2009 10:24
Operator : D. HUMBERT Inst ID: msy.i
Smp Info : 220-11150-A-6
Misc Info : 220-11150-A-6
Comment :
Method : \\consvr05\Files\chem\VOA\msy.i\Y099415.b\YCLPW42.m
Meth Date : 05-Jan-2010 14:46 msy.i Quant Type: ISTD
Cal Date : 30-DEC-2009 10:11 Cal File: Y9416.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.14
Compound Sublist: all.sub

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						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
* 1 Bromochloromethane	128	3.100	3.100	(1.000)	254394	50.0000		
7 Vinyl Chloride	62	0.944	0.944	(0.305)	1821	0.28295		0.3(H)
15 Carbon Disulfide	76	1.522	1.517	(0.491)	14003	0.75365		0.8
17 Methylene Chloride	84	1.848	1.848	(0.596)	2274	0.31544		0.3
18 Acetone	43	1.880	1.886	(0.607)	1376	0.41435		0.4
\$ 33 1,2-Dichloroethane-d4	65	3.940	3.940	(1.271)	453279	50.8732		51
* 34 1,4-Difluorobenzene	114	4.523	4.523	(1.000)	1297070	50.0000		
* 51 Chlorobenzene-d5	117	8.011	8.017	(1.000)	1177288	50.0000		
\$ 53 Toluene-d8	98	6.117	6.112	(0.764)	1190299	49.1255		49
\$ 72 Bromofluorobenzene	95	9.584	9.584	(1.196)	383113	44.2945		44

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: Y9427.D

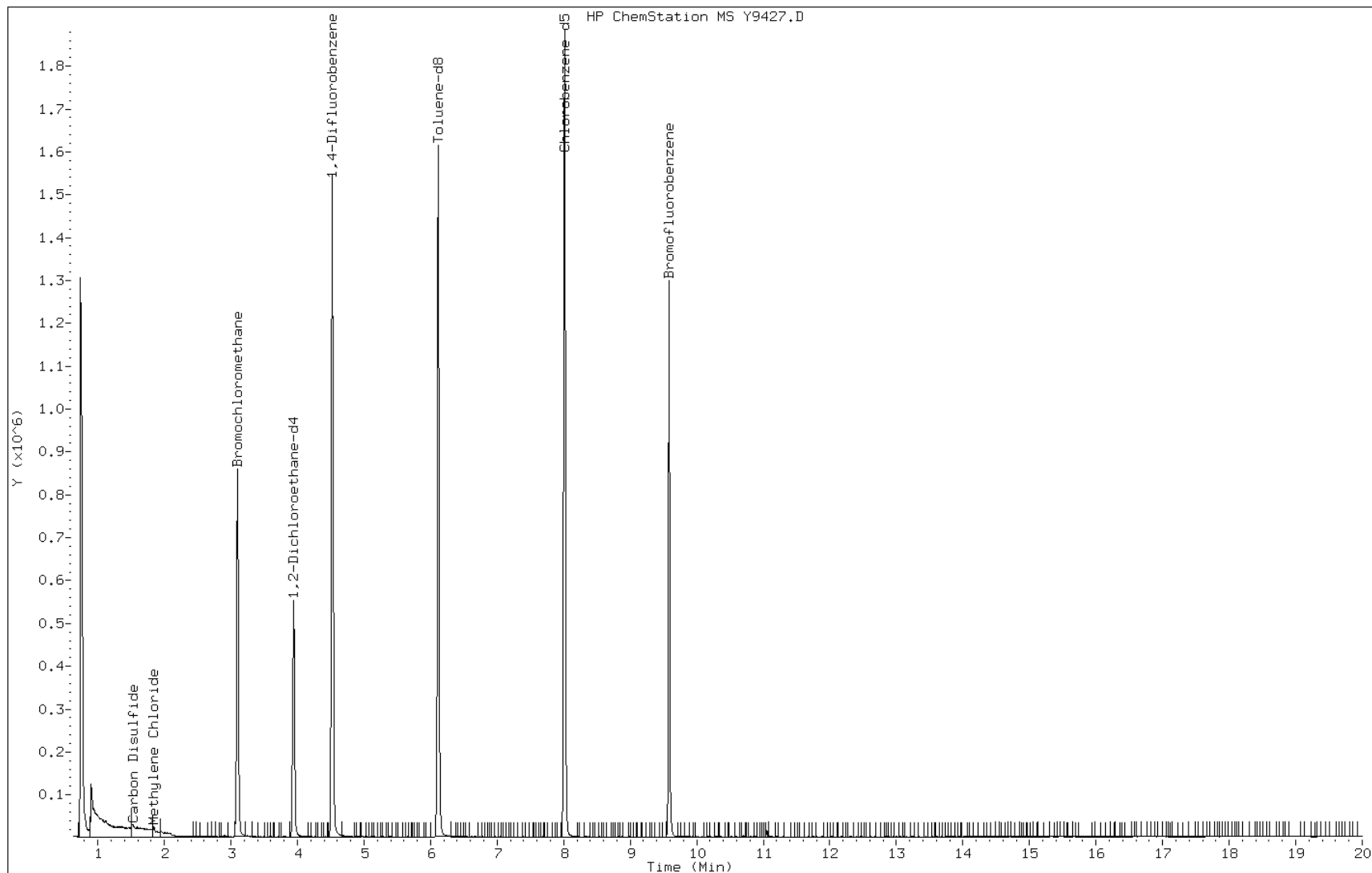
Date: 30-DEC-2009 15:48

Client ID: MW-2D

Instrument: msy.i

Sample Info: 220-11150-A-6

Operator: D. HUMBERT



Data File: Y9427.D

Date: 30-DEC-2009 15:48

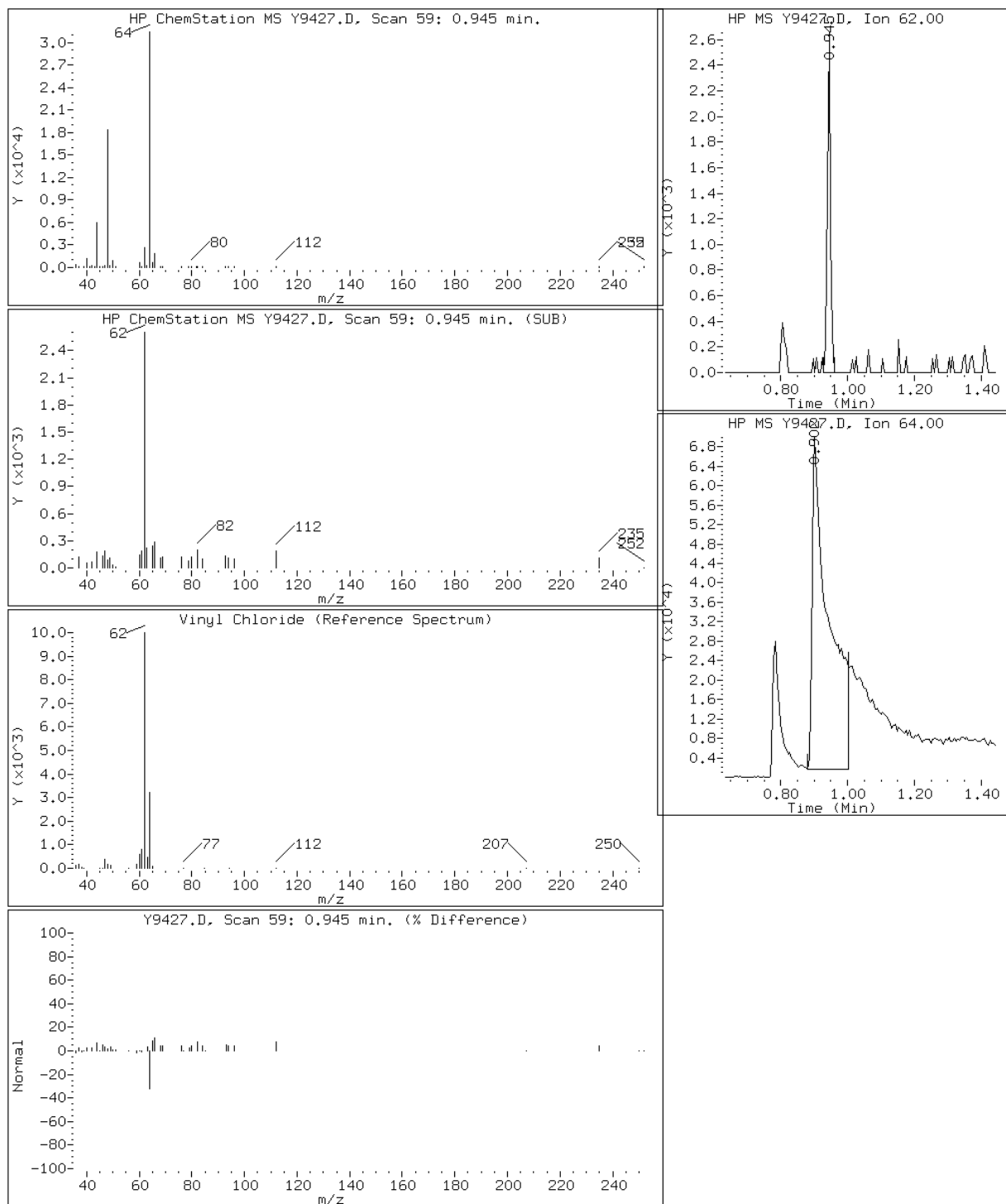
Client ID: MW-2D

Instrument: msy.i

Sample Info: 220-11150-A-6

Operator: D. HUMBERT

7 Vinyl Chloride



Data File: Y9427.D

Date: 30-DEC-2009 15:48

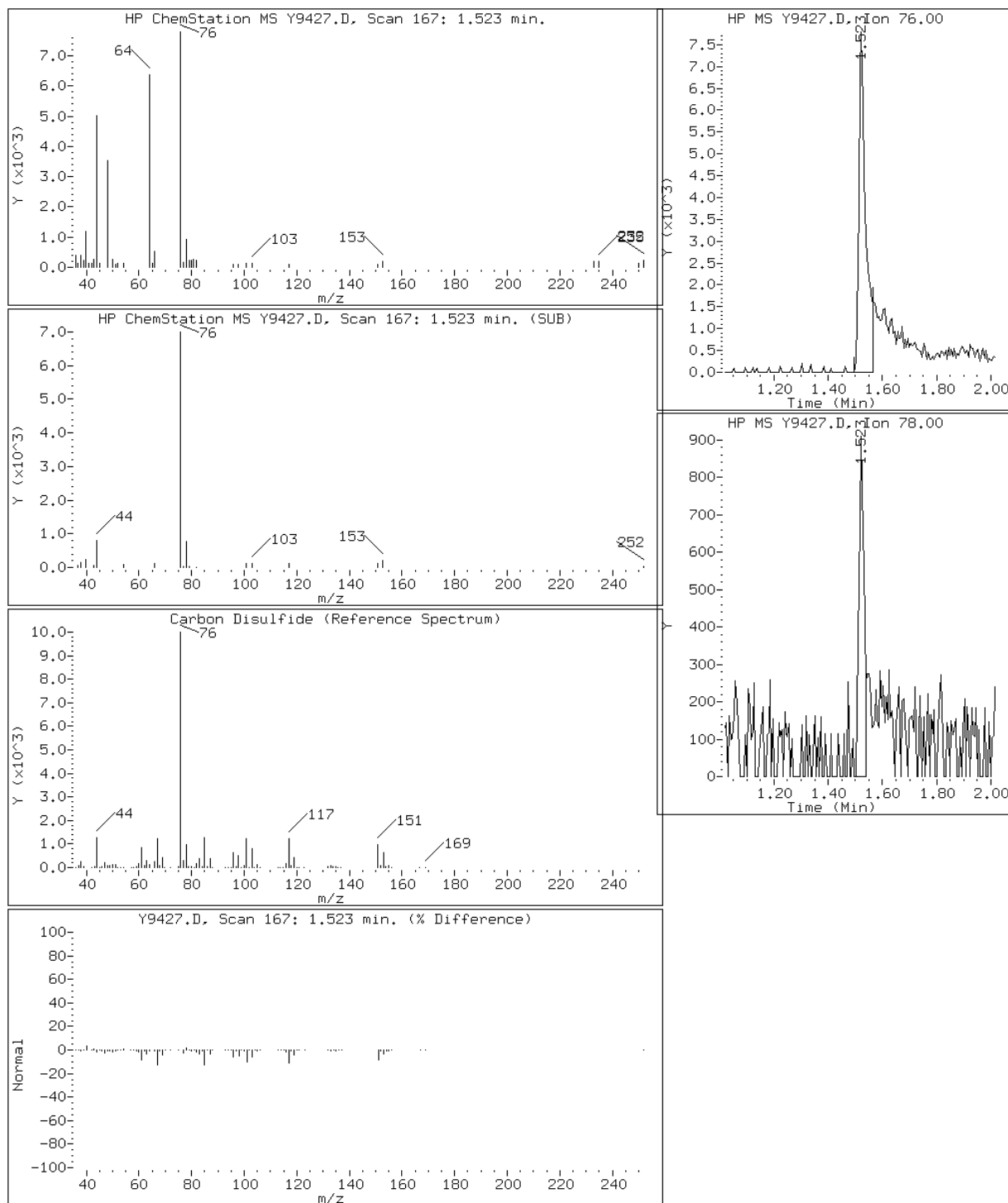
Client ID: MW-2D

Instrument: msy.i

Sample Info: 220-11150-A-6

Operator: D. HUMBERT

15 Carbon Disulfide



Data File: Y9427.D

Date: 30-DEC-2009 15:48

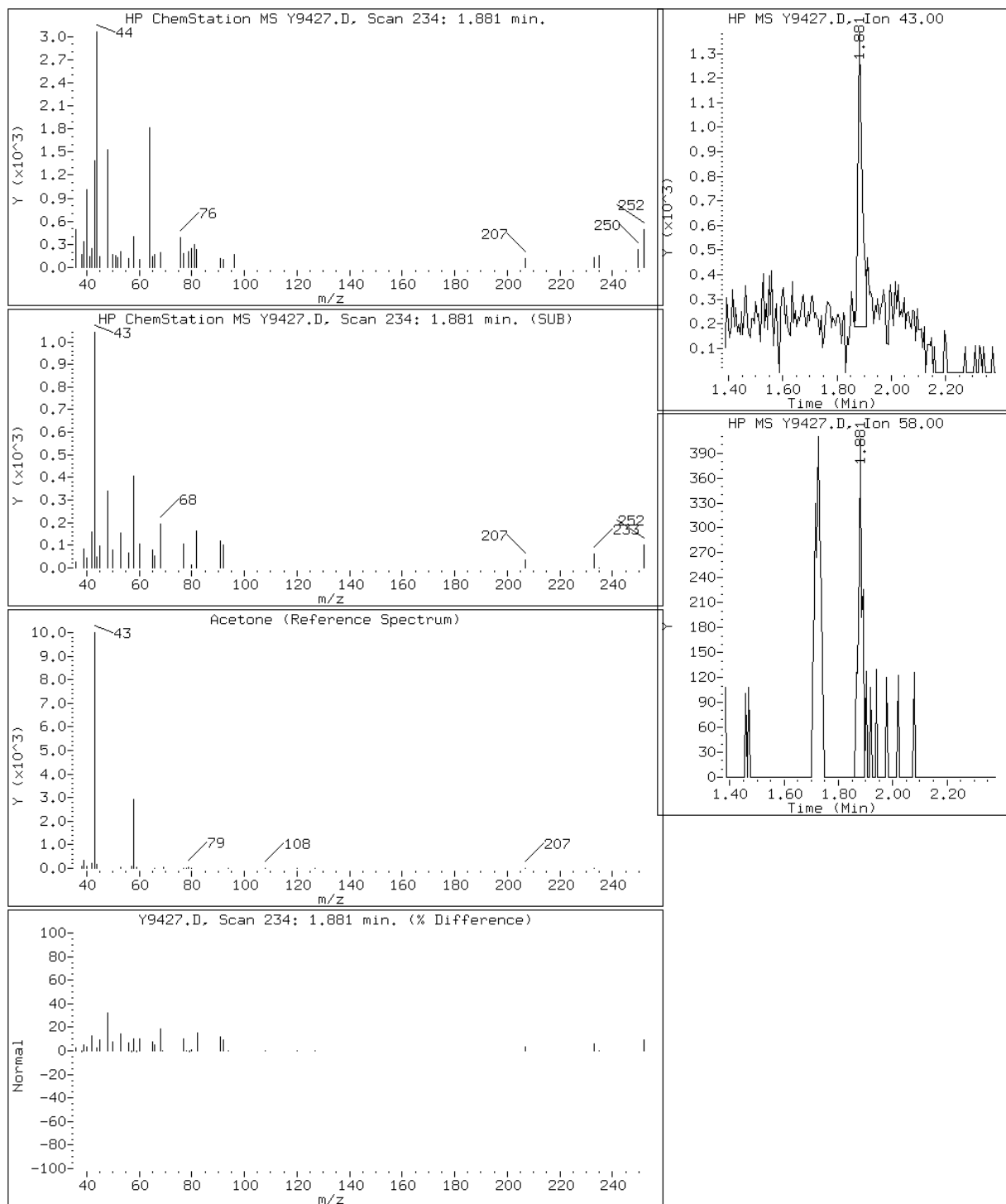
Client ID: MW-2D

Instrument: msy.i

Sample Info: 220-11150-A-6

Operator: D. HUMBERT

18 Acetone



Data File: Y9427.D

Date: 30-DEC-2009 15:48

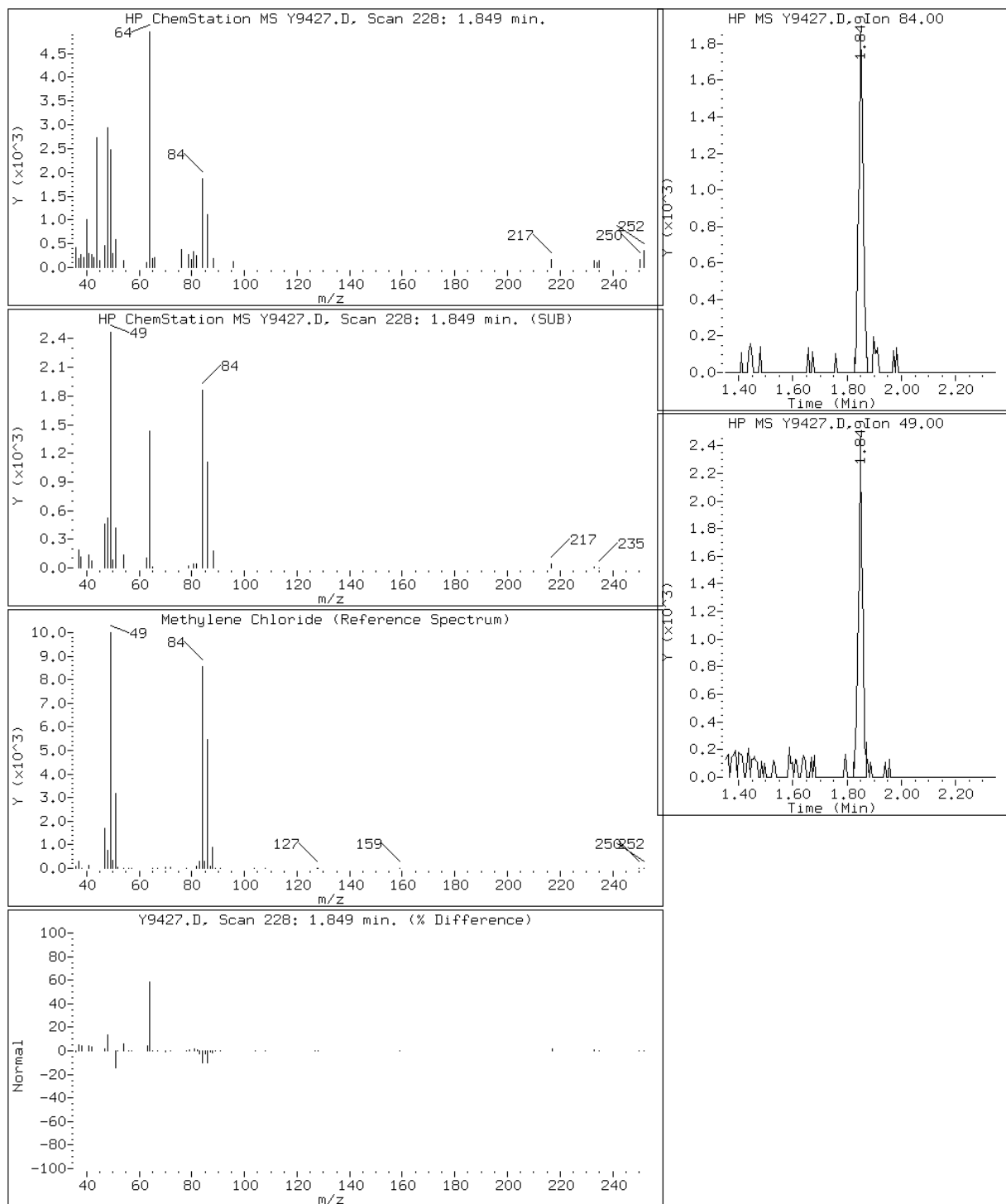
Client ID: MW-2D

Instrument: msy.i

Sample Info: 220-11150-A-6

Operator: D. HUMBERT

17 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Connecticut</u>	Job No.: <u>220-11150-1</u>
SDG No.: <u>220-11150</u>	
Client Sample ID: <u>MW-9D</u>	Lab Sample ID: <u>220-11150-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>Y9430.D</u>
Analysis Method: <u>OLM04.2/Vol</u>	Date Collected: <u>12/21/2009 13:40</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>12/30/2009 17:08</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-VMS</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>34907</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	10	U	10	0.10
75-01-4	Vinyl chloride	3.1	J	10	0.10
74-83-9	Bromomethane	10	U *	10	0.10
75-00-3	Chloroethane	10	U	10	0.10
75-35-4	1,1-Dichloroethene	0.10	J	10	0.10
75-15-0	Carbon disulfide	1.3	J	10	0.10
67-64-1	Acetone	0.60	J * B	10	0.10
75-09-2	Methylene Chloride	0.31	J B	10	0.10
75-34-3	1,1-Dichloroethane	10	U	10	0.10
78-93-3	Methyl Ethyl Ketone	10	U *	10	0.10
67-66-3	Chloroform	10	U	10	0.10
71-55-6	1,1,1-Trichloroethane	10	U	10	0.10
56-23-5	Carbon tetrachloride	10	U	10	0.10
71-43-2	Benzene	0.14	J	10	0.10
107-06-2	1,2-Dichloroethane	10	U	10	0.10
79-01-6	Trichloroethene	10	U	10	0.10
78-87-5	1,2-Dichloropropane	10	U	10	0.10
75-27-4	Bromodichloromethane	10	U	10	0.10
10061-01-5	cis-1,3-Dichloropropene	10	U	10	0.10
108-10-1	methyl isobutyl ketone	10	U	10	0.10
108-88-3	Toluene	10	U	10	0.10
10061-02-6	trans-1,3-Dichloropropene	10	U	10	0.10
79-00-5	1,1,2-Trichloroethane	10	U	10	0.10
127-18-4	Tetrachloroethene	10	U	10	0.10
591-78-6	2-Hexanone	10	U *	10	0.10
124-48-1	Dibromochloromethane	10	U	10	0.10
108-90-7	Chlorobenzene	10	U	10	0.10
100-41-4	Ethylbenzene	10	U	10	0.10
100-42-5	Styrene	10	U	10	0.10
75-25-2	Bromoform	10	U	10	0.10
79-34-5	1,1,2,2-Tetrachloroethane	10	U	10	0.10
1330-20-7	Xylenes, Total	10	U	10	0.10
156-59-2	cis-1,2-Dichloroethene	3.5	J	10	0.10
156-60-5	trans-1,2-Dichloroethene	0.36	J	10	0.10
75-71-8	Dichlorodifluoromethane	10	U	10	0.10
75-69-4	Trichlorofluoromethane	10	U	10	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
 SDG No.: 220-11150
 Client Sample ID: MW-9D Lab Sample ID: 220-11150-7
 Matrix: Water Lab File ID: Y9430.D
 Analysis Method: OLM04.2/Vol Date Collected: 12/21/2009 13:40
 Sample wt/vol: 5 (mL) Date Analyzed: 12/30/2009 17:08
 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.: 34907 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	0.10
1634-04-4	Methyl tert-butyl ether	0.32	J	10	0.10
106-93-4	1,2-Dibromoethane	10	U	10	0.10
98-82-8	Isopropylbenzene	10	U	10	0.10
541-73-1	1,3-Dichlorobenzene	10	U	10	0.10
106-46-7	1,4-Dichlorobenzene	10	U	10	0.10
95-50-1	1,2-Dichlorobenzene	10	U	10	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	10	0.10
120-82-1	1,2,4-Trichlorobenzene	10	U	10	0.10
79-20-9	Methyl acetate	10	U *	10	0.10
110-82-7	Cyclohexane	10	U	10	0.10
108-87-2	Methylcyclohexane	10	U	10	0.10

CAS NO.	SURROGATE	%REC	LIMITS	Q
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103	76-114	
460-00-4	4-Bromofluorobenzene	90	86-115	
2037-26-5	Toluene-d8 (Surr)	98	88-110	

STL-INC

Volatile Report CLP METHOD OLM 4.2

Data file : \\consvr05\files\chem\VOA\msy.i\Y099415.b\Y9430.D
 Lab Smp Id: 220-11150-A-7 Client Smp ID: MW-9D
 Inj Date : 30-DEC-2009 17:08 MS Autotune Date: 23-NOV-2009 10:24
 Operator : D. HUMBERT Inst ID: msy.i
 Smp Info : 220-11150-A-7
 Misc Info : 220-11150-A-7
 Comment :
 Method : \\consvr05\Files\chem\VOA\msy.i\Y099415.b\YCLPW42.m
 Meth Date : 05-Jan-2010 14:46 msy.i Quant Type: ISTD
 Cal Date : 30-DEC-2009 10:11 Cal File: Y9416.D
 Als bottle: 100
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Compound Sublist: all.sub

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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
* 1 Bromochloromethane	128	3.100	3.100	(1.000)	249897	50.0000	
7 Vinyl Chloride	62	0.944	0.944	(0.305)	19838	3.13792	3
14 1,1-Dichloroethene	96	1.501	1.501	(0.484)	633	0.10180	0.1
15 Carbon Disulfide	76	1.522	1.517	(0.491)	23869	1.30777	1
17 Methylene Chloride	84	1.848	1.848	(0.596)	2178	0.30756	0.3
18 Acetone	43	1.880	1.886	(0.607)	1948	0.59715	0.6
20 trans-1,2-Dichloroethene	96	1.961	1.955	(0.632)	2512	0.35519	0.4
21 Methyl tert-Butyl Ether	73	2.036	2.041	(0.657)	4809	0.31951	0.3
26 cis-1,2-Dichloroethene	96	2.902	2.902	(0.936)	25819	3.51126	4
\$ 33 1,2-Dichloroethane-d4	65	3.940	3.940	(1.271)	452268	51.6731	52
* 34 1,4-Difluorobenzene	114	4.523	4.523	(1.000)	1274627	50.0000	
38 Benzene	78	3.796	3.790	(0.839)	3269	0.13838	0.1
* 51 Chlorobenzene-d5	117	8.011	8.017	(1.000)	1142992	50.0000	
\$ 53 Toluene-d8	98	6.112	6.112	(0.763)	1154662	49.0846	49
\$ 72 Bromofluorobenzene	95	9.584	9.584	(1.196)	377700	44.9789	45
M 73 1,2-Dichloroethene (total)	100				28331	3.86645	4

Data File: Y9430.D

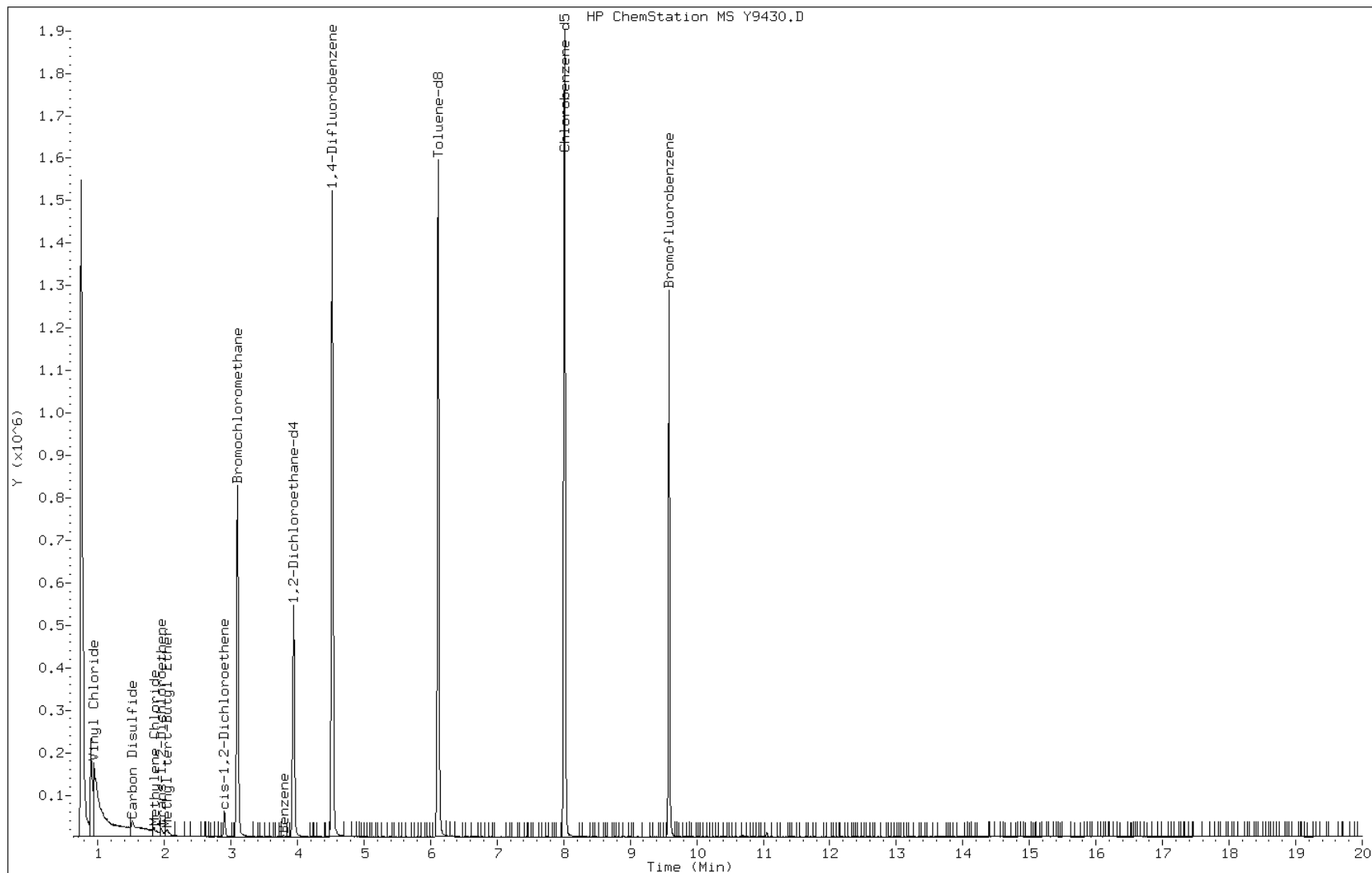
Date: 30-DEC-2009 17:08

Client ID: MW-9D

Instrument: msy.i

Sample Info: 220-11150-A-7

Operator: D. HUMBERT



Data File: Y9430.D

Date: 30-DEC-2009 17:08

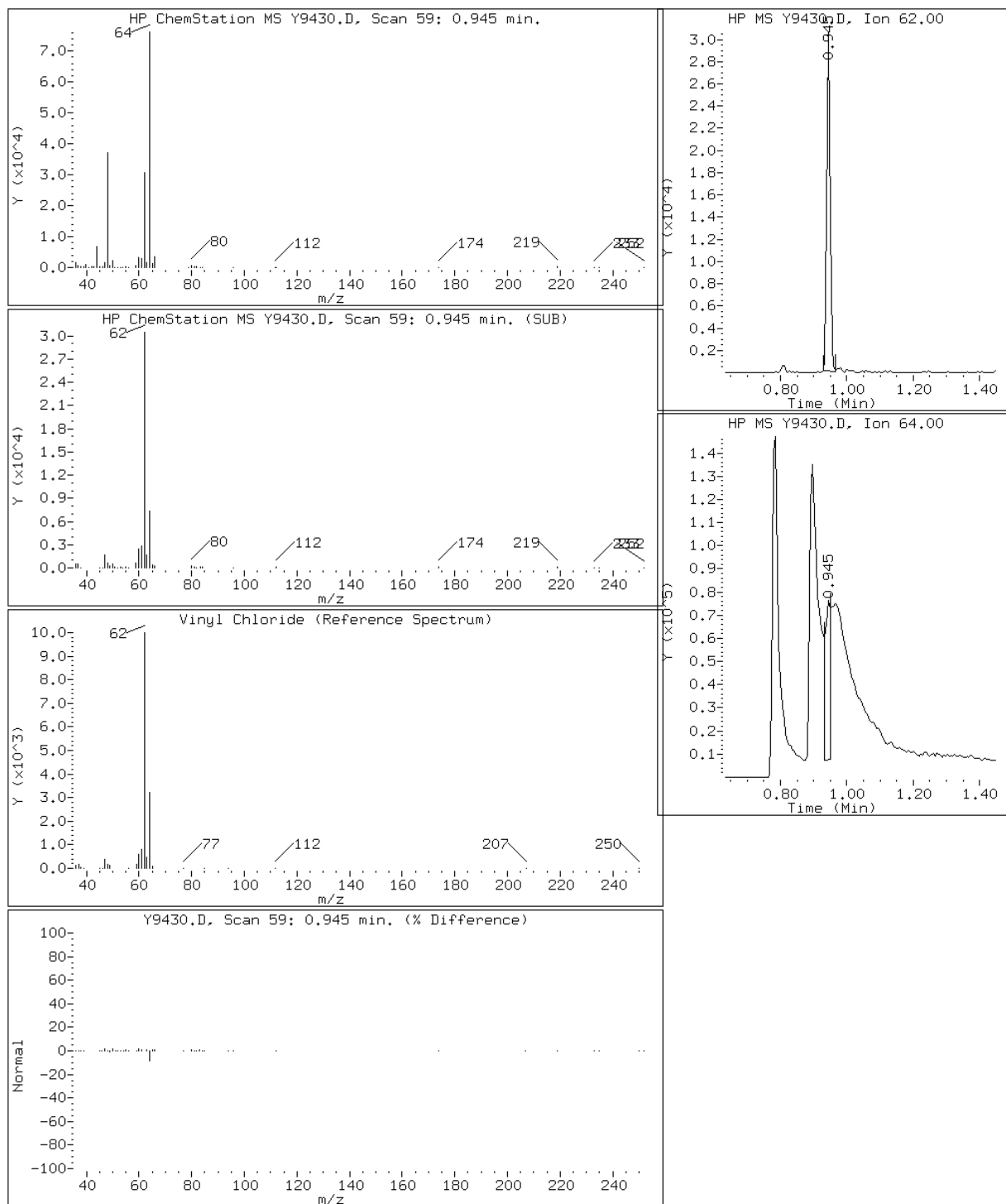
Client ID: MW-9D

Instrument: msy.i

Sample Info: 220-11150-A-7

Operator: D. HUMBERT

7 Vinyl Chloride



Data File: Y9430.D

Date: 30-DEC-2009 17:08

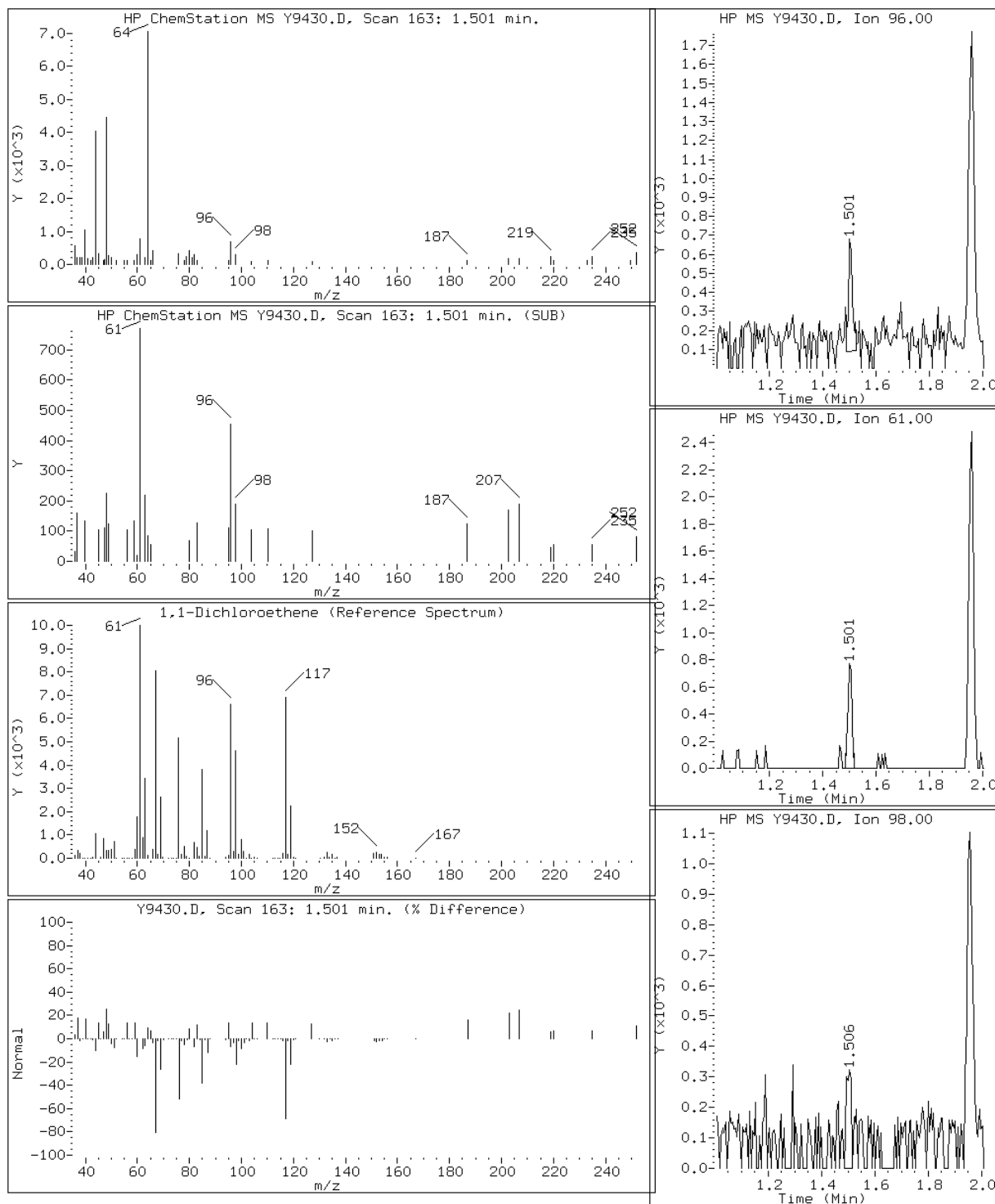
Client ID: MW-9D

Instrument: msy.i

Sample Info: 220-11150-A-7

Operator: D. HUMBERT

14 1,1-Dichloroethene



Data File: Y9430.D

Date: 30-DEC-2009 17:08

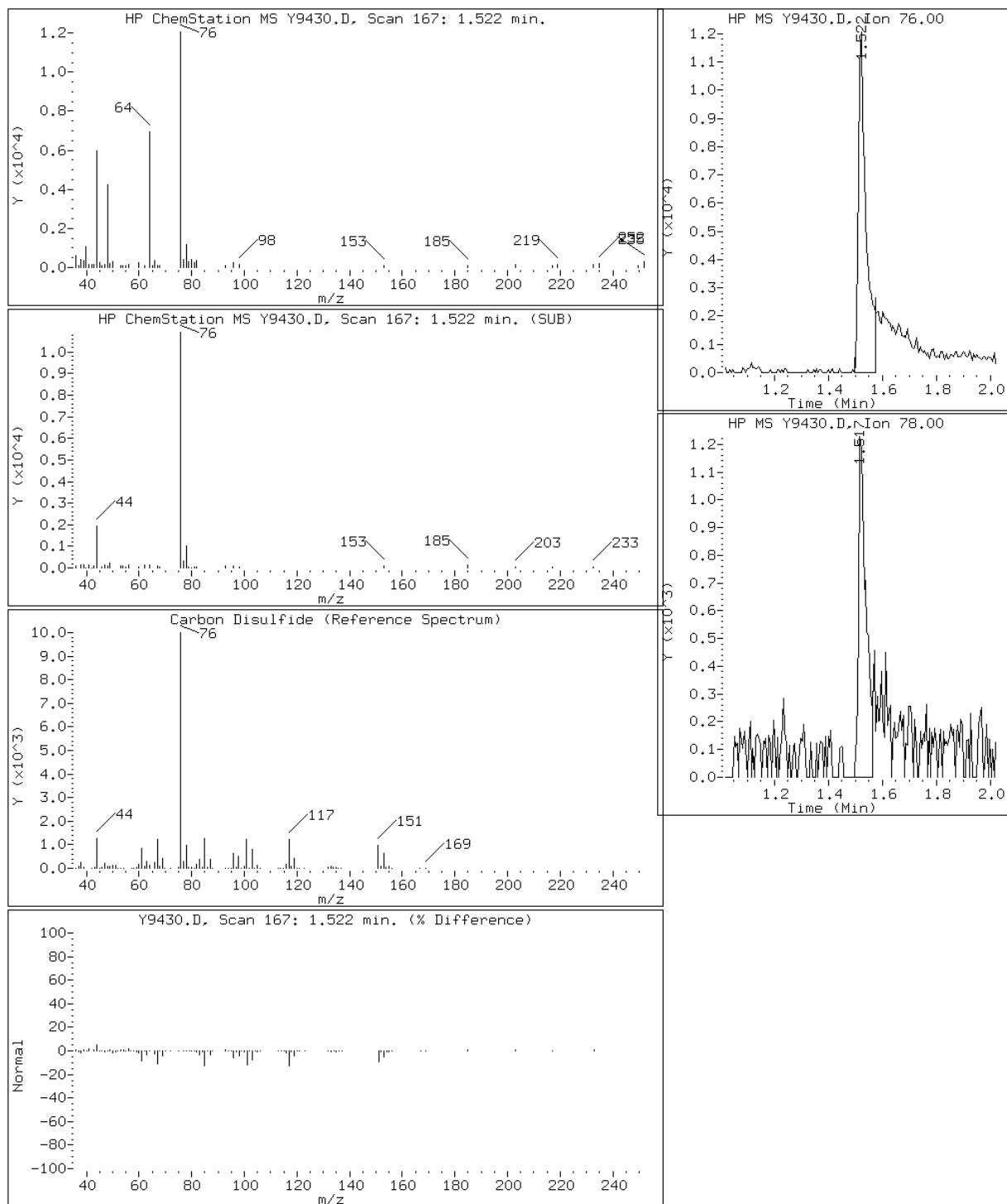
Client ID: MW-9D

Instrument: msy.i

Sample Info: 220-11150-A-7

Operator: D. HUMBERT

15 Carbon Disulfide



Data File: Y9430.D

Date: 30-DEC-2009 17:08

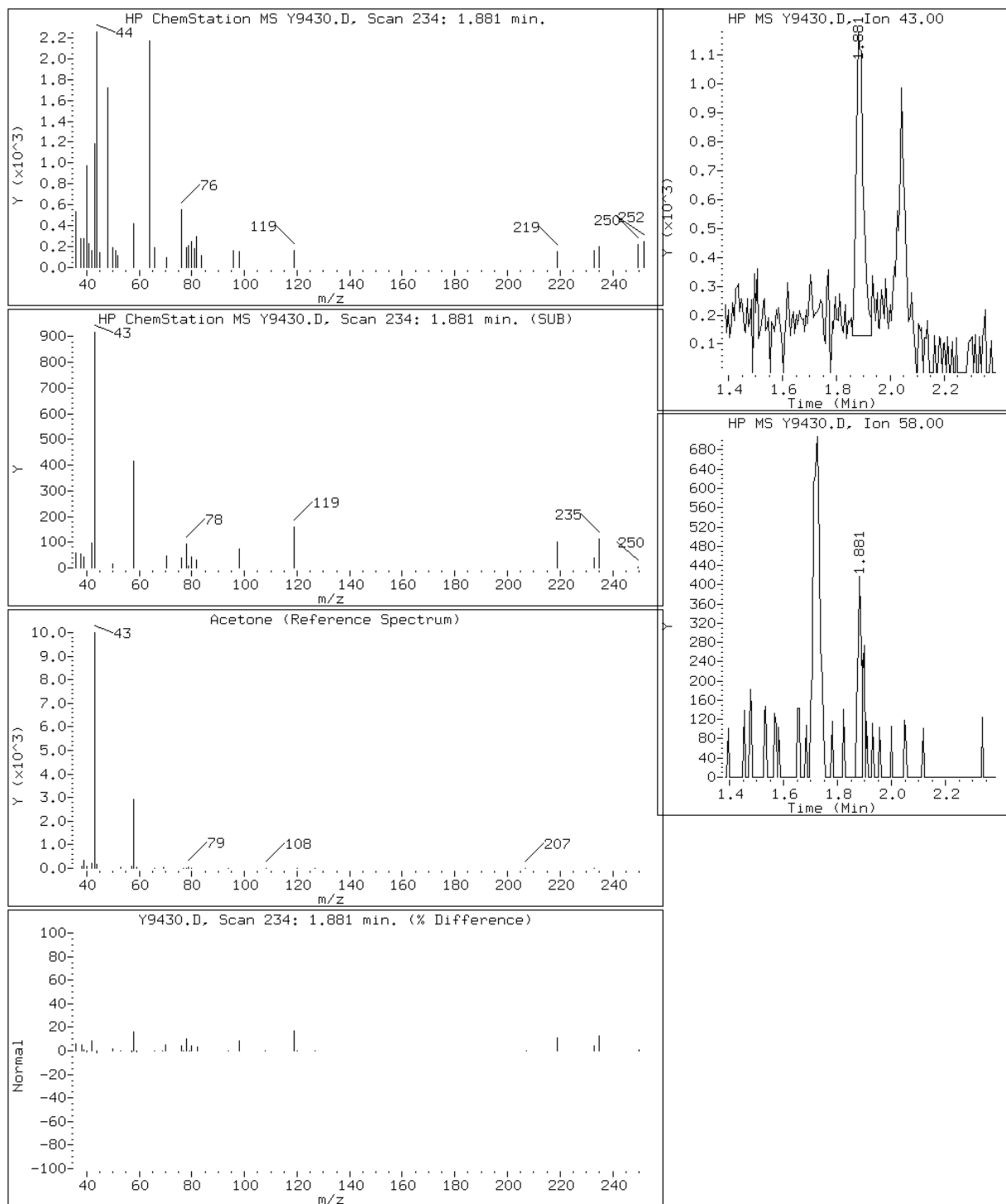
Client ID: MW-9D

Instrument: msy.i

Sample Info: 220-11150-A-7

Operator: D. HUMBERT

18 Acetone



Data File: Y9430.D

Date: 30-DEC-2009 17:08

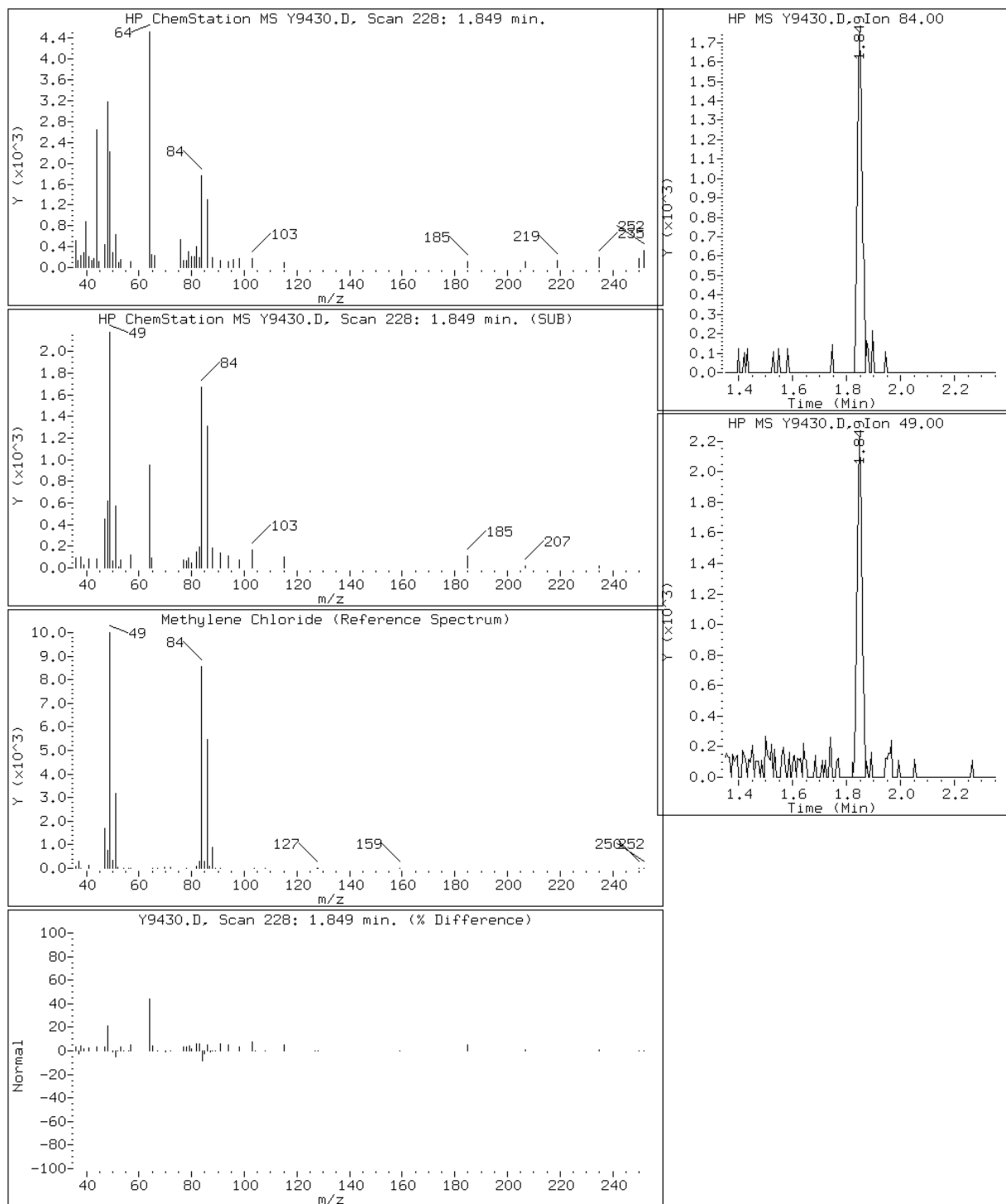
Client ID: MW-9D

Instrument: msy.i

Sample Info: 220-11150-A-7

Operator: D. HUMBERT

17 Methylene Chloride



Data File: Y9430.D

Date: 30-DEC-2009 17:08

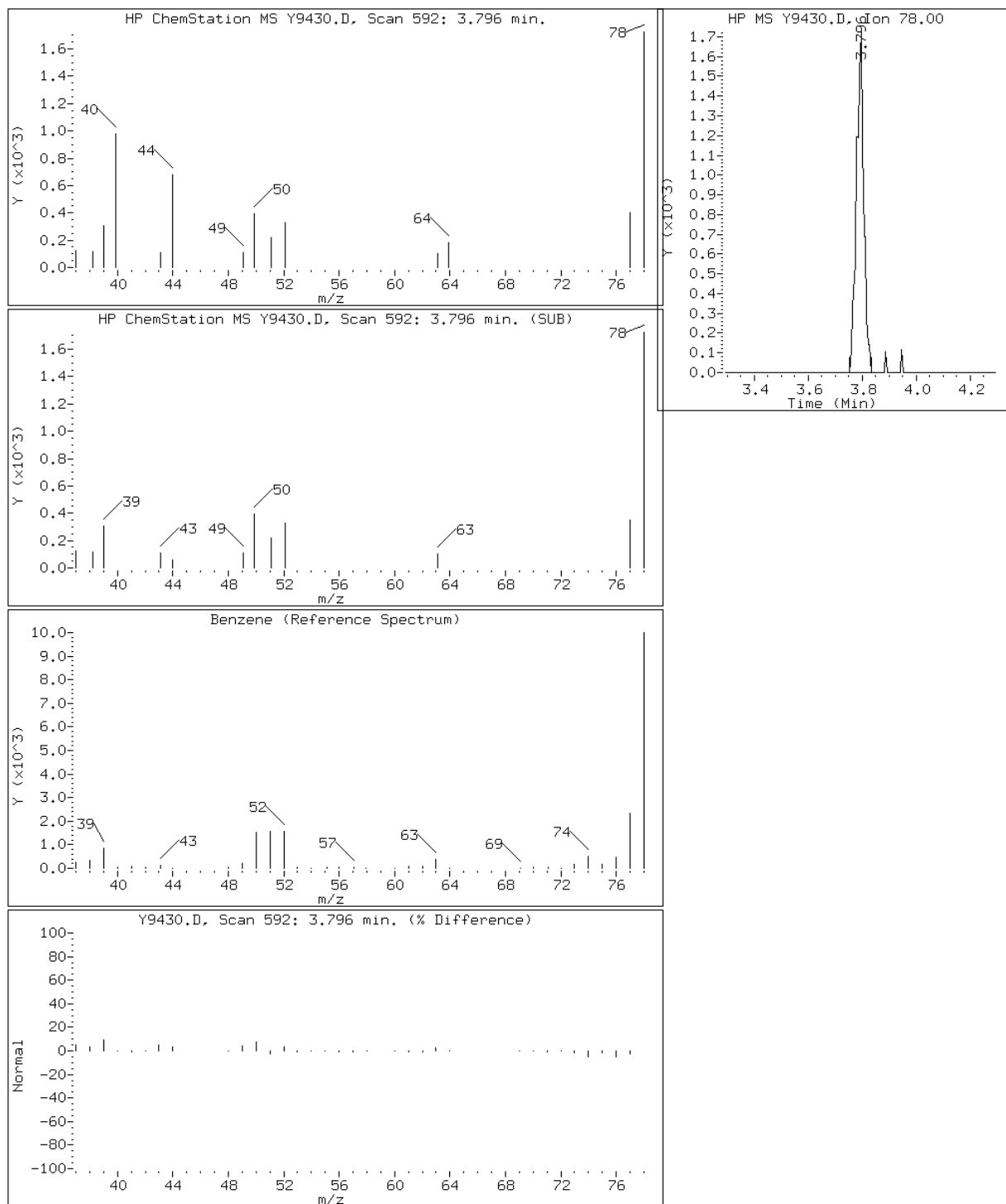
Client ID: MW-9D

Instrument: msy.i

Sample Info: 220-11150-A-7

Operator: D. HUMBERT

38 Benzene



Data File: Y9430.D

Date: 30-DEC-2009 17:08

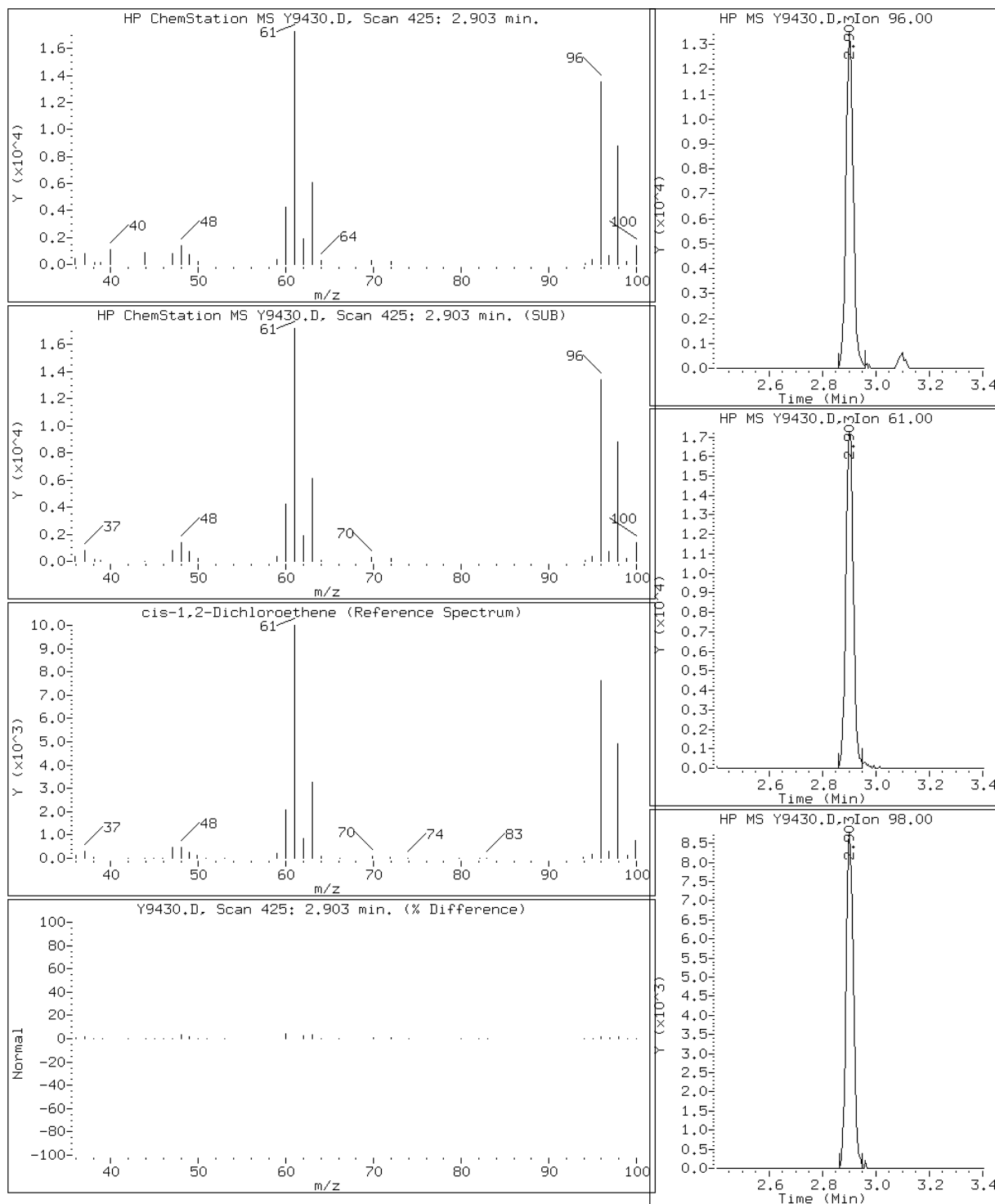
Client ID: MW-9D

Instrument: msy.i

Sample Info: 220-11150-A-7

Operator: D. HUMBERT

26 cis-1,2-Dichloroethene



Data File: Y9430.D

Date: 30-DEC-2009 17:08

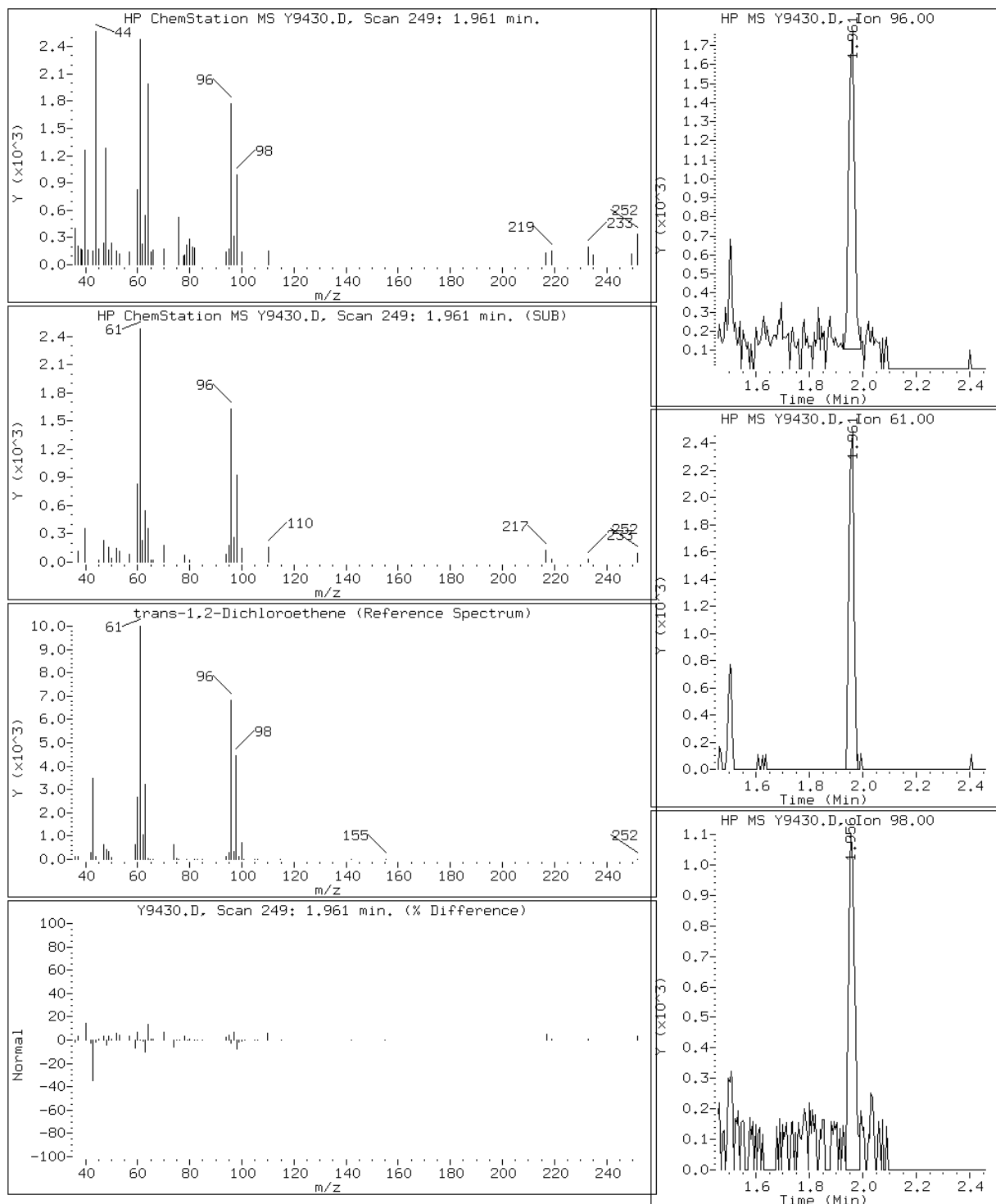
Client ID: MW-9D

Instrument: msy.i

Sample Info: 220-11150-A-7

Operator: D. HUMBERT

20 trans-1,2-Dichloroethene



Data File: Y9430.D

Date: 30-DEC-2009 17:08

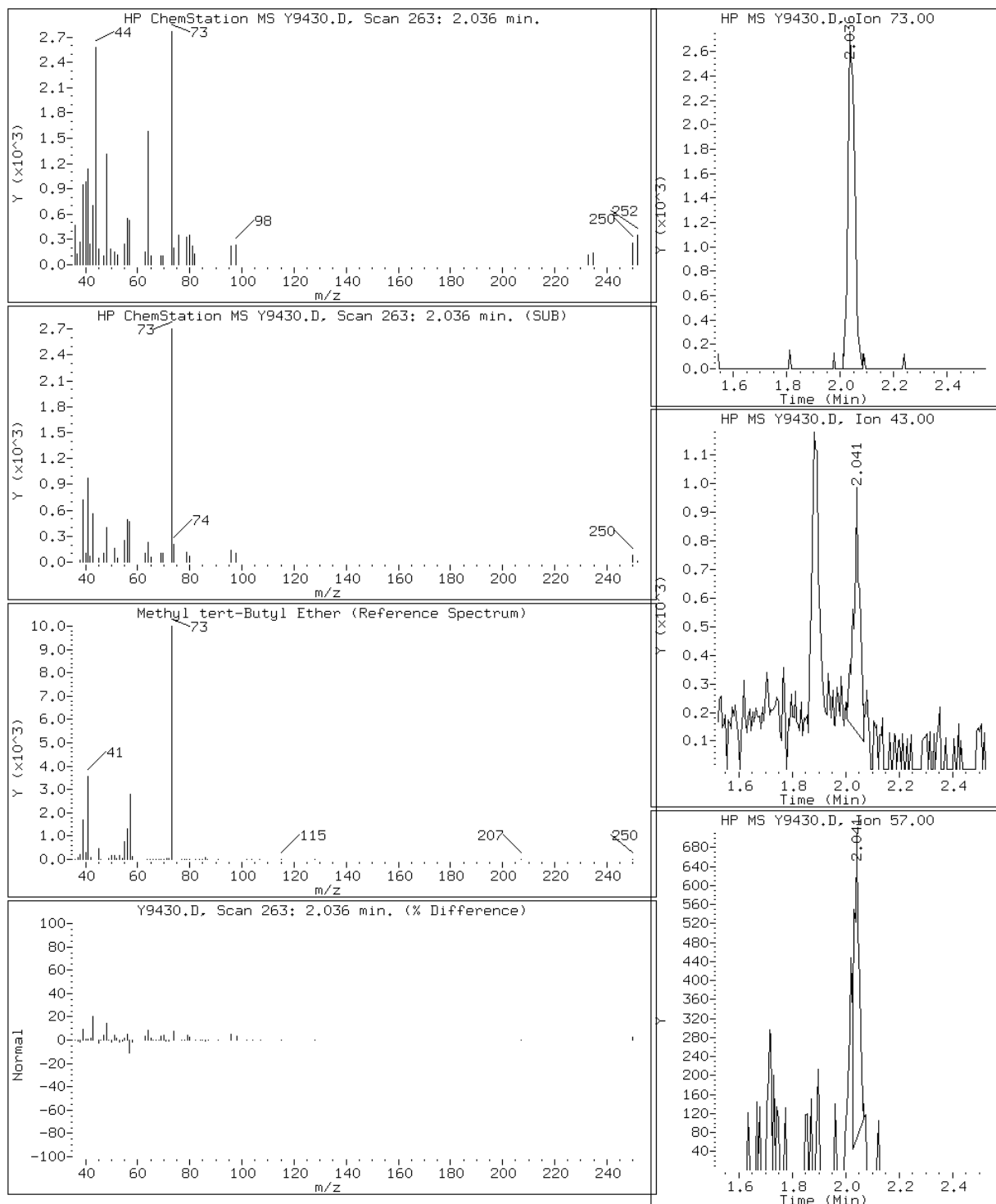
Client ID: MW-9D

Instrument: msy.i

Sample Info: 220-11150-A-7

Operator: D. HUMBERT

21 Methyl tert-Butyl Ether



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Connecticut</u>	Job No.: <u>220-11150-1</u>
SDG No.: <u>220-11150</u>	
Client Sample ID: <u>TRIP BLANK</u>	Lab Sample ID: <u>220-11150-8</u>
Matrix: <u>Water</u>	Lab File ID: <u>Y9420.D</u>
Analysis Method: <u>OLM04.2/Vol</u>	Date Collected: <u>12/21/2009 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>12/30/2009 12:41</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-VMS</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>34907</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	10	U	10	0.10
75-01-4	Vinyl chloride	10	U	10	0.10
74-83-9	Bromomethane	10	U *	10	0.10
75-00-3	Chloroethane	10	U	10	0.10
75-35-4	1,1-Dichloroethene	10	U	10	0.10
75-15-0	Carbon disulfide	0.10	J	10	0.10
67-64-1	Acetone	0.40	J * B	10	0.10
75-09-2	Methylene Chloride	0.46	J B	10	0.10
75-34-3	1,1-Dichloroethane	10	U	10	0.10
78-93-3	Methyl Ethyl Ketone	10	U *	10	0.10
67-66-3	Chloroform	10	U	10	0.10
71-55-6	1,1,1-Trichloroethane	10	U	10	0.10
56-23-5	Carbon tetrachloride	10	U	10	0.10
71-43-2	Benzene	10	U	10	0.10
107-06-2	1,2-Dichloroethane	10	U	10	0.10
79-01-6	Trichloroethene	10	U	10	0.10
78-87-5	1,2-Dichloropropane	10	U	10	0.10
75-27-4	Bromodichloromethane	10	U	10	0.10
10061-01-5	cis-1,3-Dichloropropene	10	U	10	0.10
108-10-1	methyl isobutyl ketone	10	U	10	0.10
108-88-3	Toluene	10	U	10	0.10
10061-02-6	trans-1,3-Dichloropropene	10	U	10	0.10
79-00-5	1,1,2-Trichloroethane	10	U	10	0.10
127-18-4	Tetrachloroethene	10	U	10	0.10
591-78-6	2-Hexanone	10	U *	10	0.10
124-48-1	Dibromochloromethane	10	U	10	0.10
108-90-7	Chlorobenzene	10	U	10	0.10
100-41-4	Ethylbenzene	10	U	10	0.10
100-42-5	Styrene	10	U	10	0.10
75-25-2	Bromoform	10	U	10	0.10
79-34-5	1,1,2,2-Tetrachloroethane	10	U	10	0.10
1330-20-7	Xylenes, Total	10	U	10	0.10
156-59-2	cis-1,2-Dichloroethene	10	U	10	0.10
156-60-5	trans-1,2-Dichloroethene	10	U	10	0.10
75-71-8	Dichlorodifluoromethane	0.12	J	10	0.10
75-69-4	Trichlorofluoromethane	10	U	10	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
 SDG No.: 220-11150
 Client Sample ID: TRIP BLANK Lab Sample ID: 220-11150-8
 Matrix: Water Lab File ID: Y9420.D
 Analysis Method: OLM04.2/Vol Date Collected: 12/21/2009 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 12/30/2009 12:41
 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.: 34907 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	0.10
1634-04-4	Methyl tert-butyl ether	10	U	10	0.10
106-93-4	1,2-Dibromoethane	10	U	10	0.10
98-82-8	Isopropylbenzene	10	U	10	0.10
541-73-1	1,3-Dichlorobenzene	10	U	10	0.10
106-46-7	1,4-Dichlorobenzene	10	U	10	0.10
95-50-1	1,2-Dichlorobenzene	10	U	10	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	10	0.10
120-82-1	1,2,4-Trichlorobenzene	0.12	J	10	0.10
79-20-9	Methyl acetate	10	U *	10	0.10
110-82-7	Cyclohexane	10	U	10	0.10
108-87-2	Methylcyclohexane	10	U	10	0.10

CAS NO.	SURROGATE	%REC	LIMITS	Q
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102	76-114	
460-00-4	4-Bromofluorobenzene	88	86-115	
2037-26-5	Toluene-d8 (Surr)	97	88-110	

STL-INC

Volatile Report CLP METHOD OLM 4.2

Data file : \\consvr05\files\chem\VOA\msy.i\Y099415.b\Y9420.D
Lab Smp Id: 220-11150-A-8 Client Smp ID: TRIP BLANK
Inj Date : 30-DEC-2009 12:41 MS Autotune Date: 23-NOV-2009 10:24
Operator : D. HUMBERT Inst ID: msy.i
Smp Info : 220-11150-A-8
Misc Info : 220-11150-A-8
Comment :
Method : \\consvr05\Files\chem\VOA\msy.i\Y099415.b\YCLPW42.m
Meth Date : 05-Jan-2010 14:46 msy.i Quant Type: ISTD
Cal Date : 30-DEC-2009 10:11 Cal File: Y9416.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.14
Compound Sublist: all.sub

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

						CONCENTRATIONS		
		QUANT	SIG				ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====		=====	=====	=====	=====	=====	=====	=====
*	1 Bromochloromethane	128	3.100	3.100	(1.000)	259789	50.0000	
	3 Dichlorodifluoromethane	85	0.816	0.816	(0.263)	774	0.12316	0.1
	15 Carbon Disulfide	76	1.517	1.517	(0.489)	1922	0.10130	0.1
	17 Methylene Chloride	84	1.848	1.848	(0.596)	3374	0.45831	0.4
	18 Acetone	43	1.881	1.886	(0.607)	1349	0.39778	0.4
	28 Tetrahydrofuran	42	3.352	3.352	(1.081)	1410	0.77440	0.8
\$	33 1,2-Dichloroethane-d4	65	3.940	3.940	(1.271)	464879	51.0916	51
*	34 1,4-Difluorobenzene	114	4.523	4.523	(1.000)	1343587	50.0000	
*	51 Chlorobenzene-d5	117	8.017	8.017	(1.000)	1215522	50.0000	
\$	53 Toluene-d8	98	6.118	6.112	(0.763)	1219042	48.7292	49
	71 1,2,4-Trichlorobenzene	180	12.173	12.173	(1.518)	1215	0.12076	0.1
\$	72 Bromofluorobenzene	95	9.584	9.584	(1.196)	391983	43.8945	44

Data File: Y9420.D

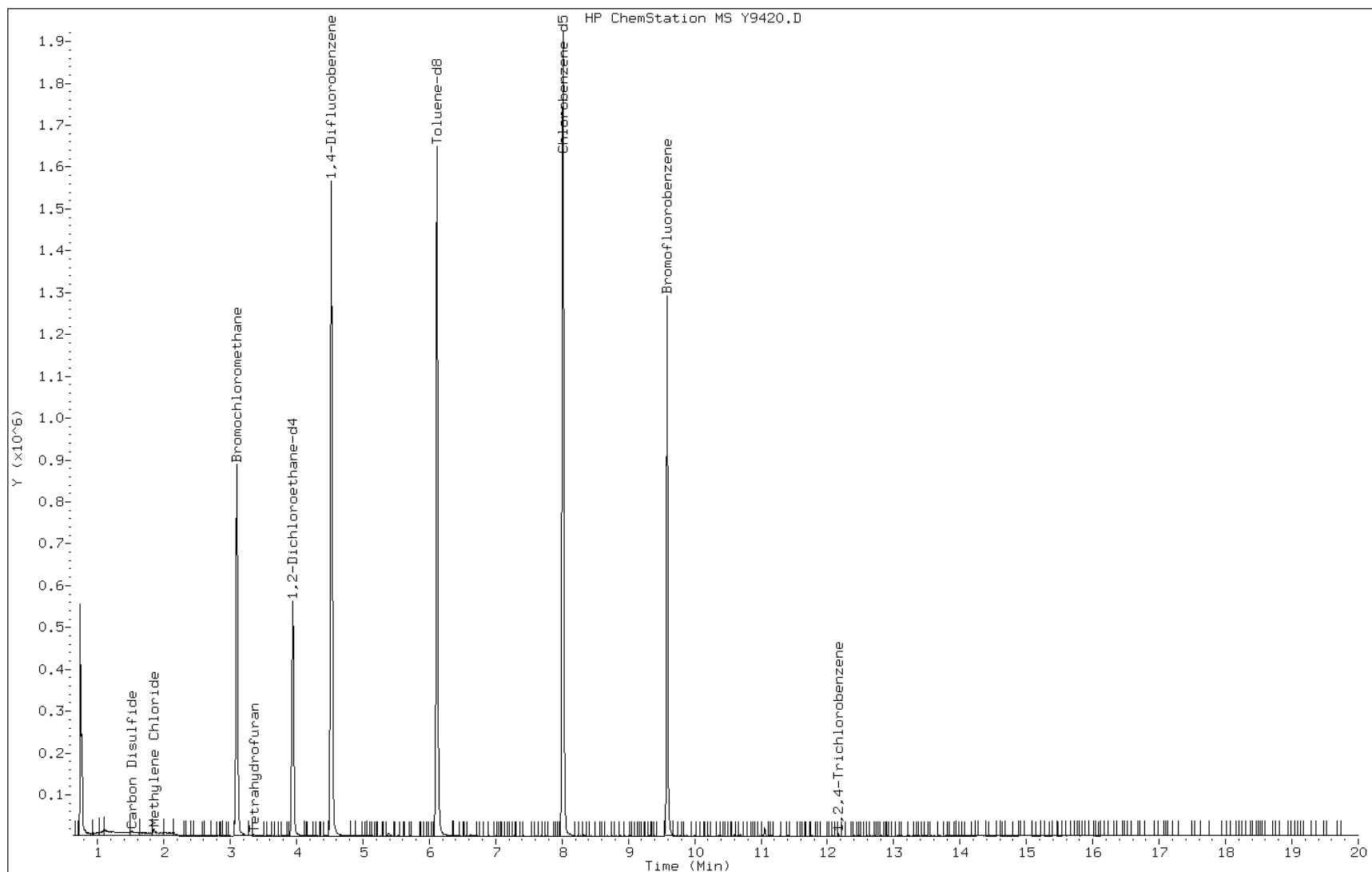
Date: 30-DEC-2009 12:41

Client ID: TRIP BLANK

Sample Info: 220-11150-A-8

Instrument: msy.i

Operator: D. HUMBERT



Data File: Y9420.D

Date: 30-DEC-2009 12:41

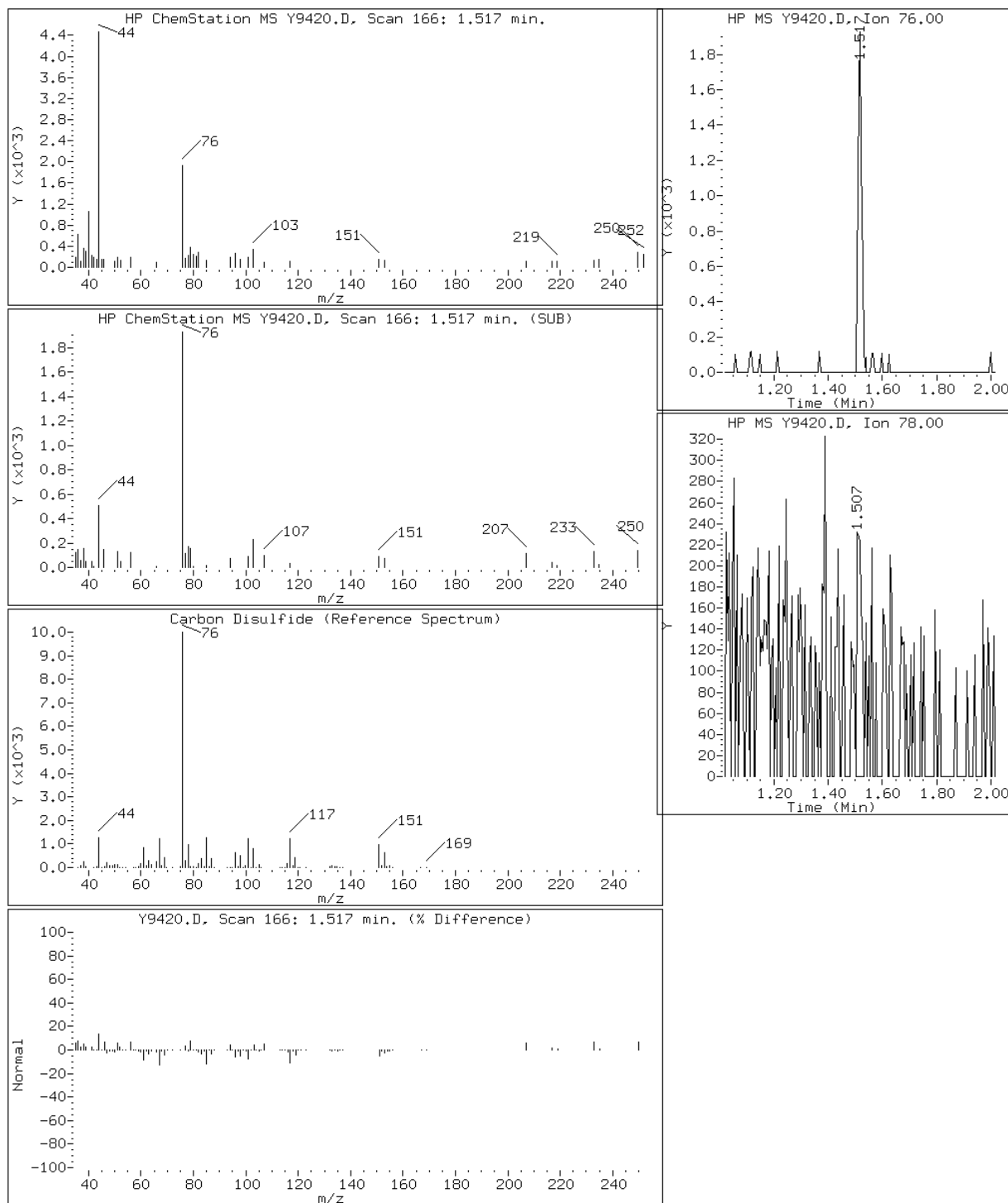
Client ID: TRIP BLANK

Instrument: msy.i

Sample Info: 220-11150-A-8

Operator: D. HUMBERT

15 Carbon Disulfide



Data File: Y9420.D

Date: 30-DEC-2009 12:41

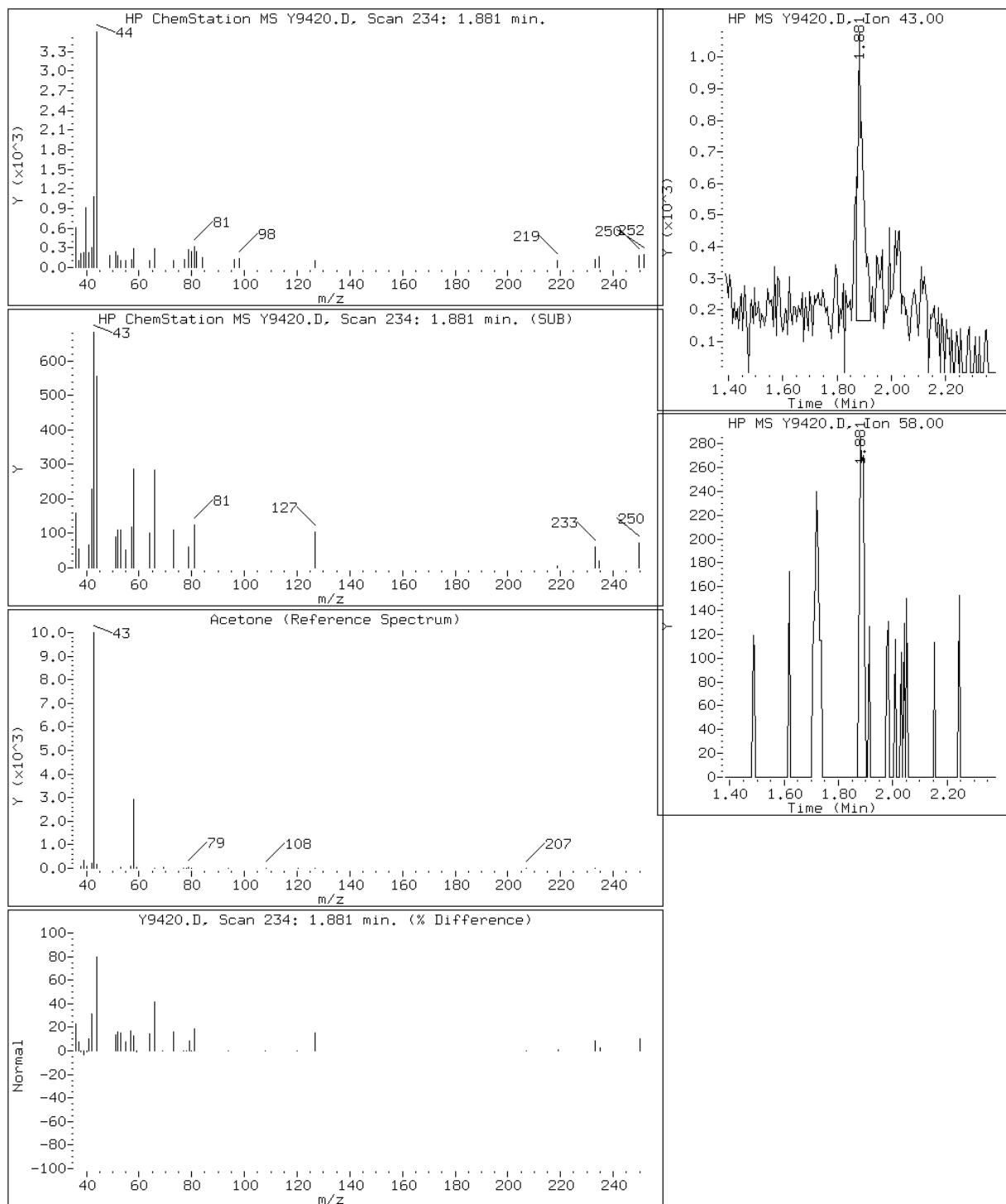
Client ID: TRIP BLANK

Instrument: msy.i

Sample Info: 220-11150-A-8

Operator: D. HUMBERT

18 Acetone



Data File: Y9420.D

Date: 30-DEC-2009 12:41

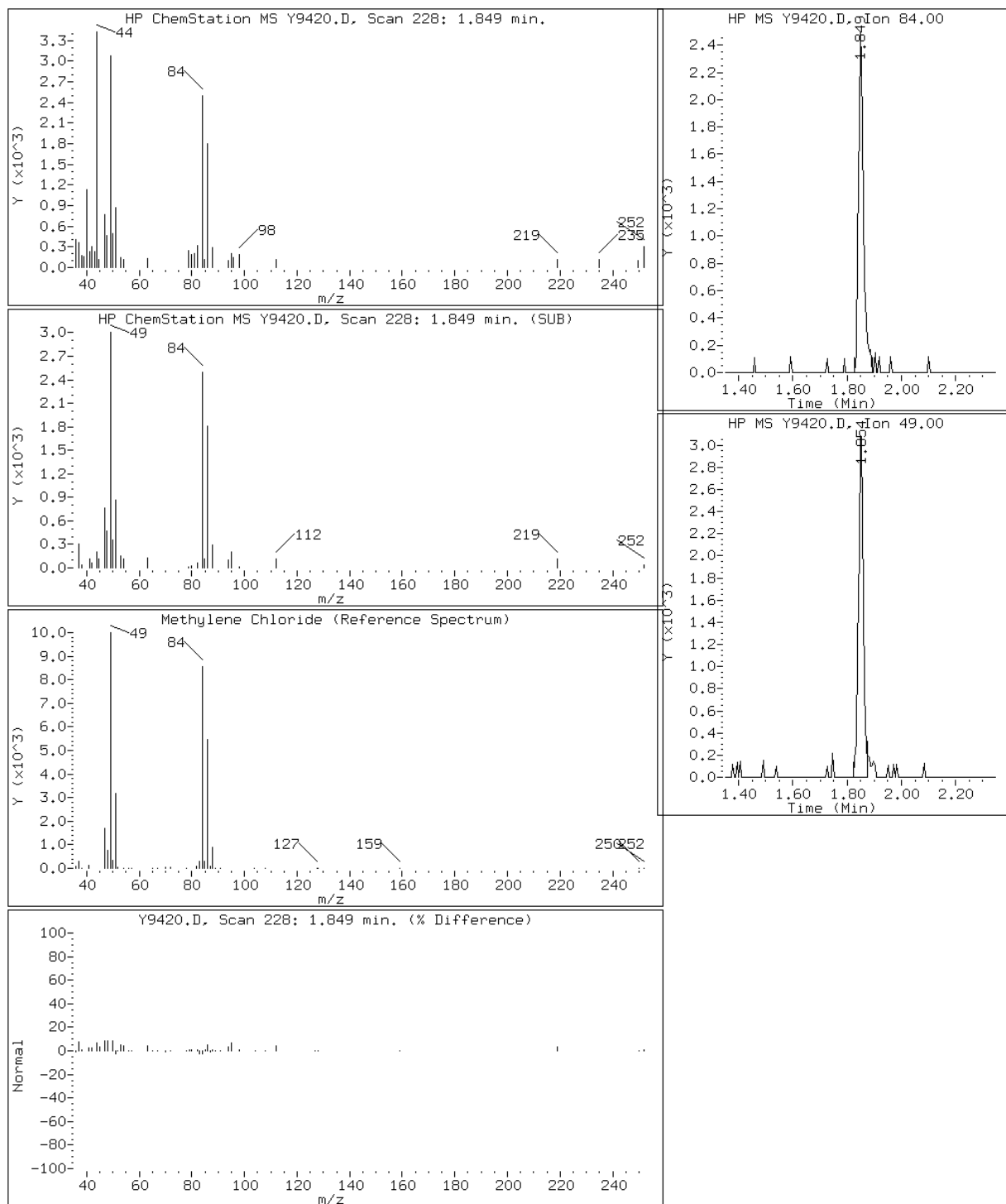
Client ID: TRIP BLANK

Instrument: msy.i

Sample Info: 220-11150-A-8

Operator: D. HUMBERT

17 Methylene Chloride



Data File: Y9420.D

Date: 30-DEC-2009 12:41

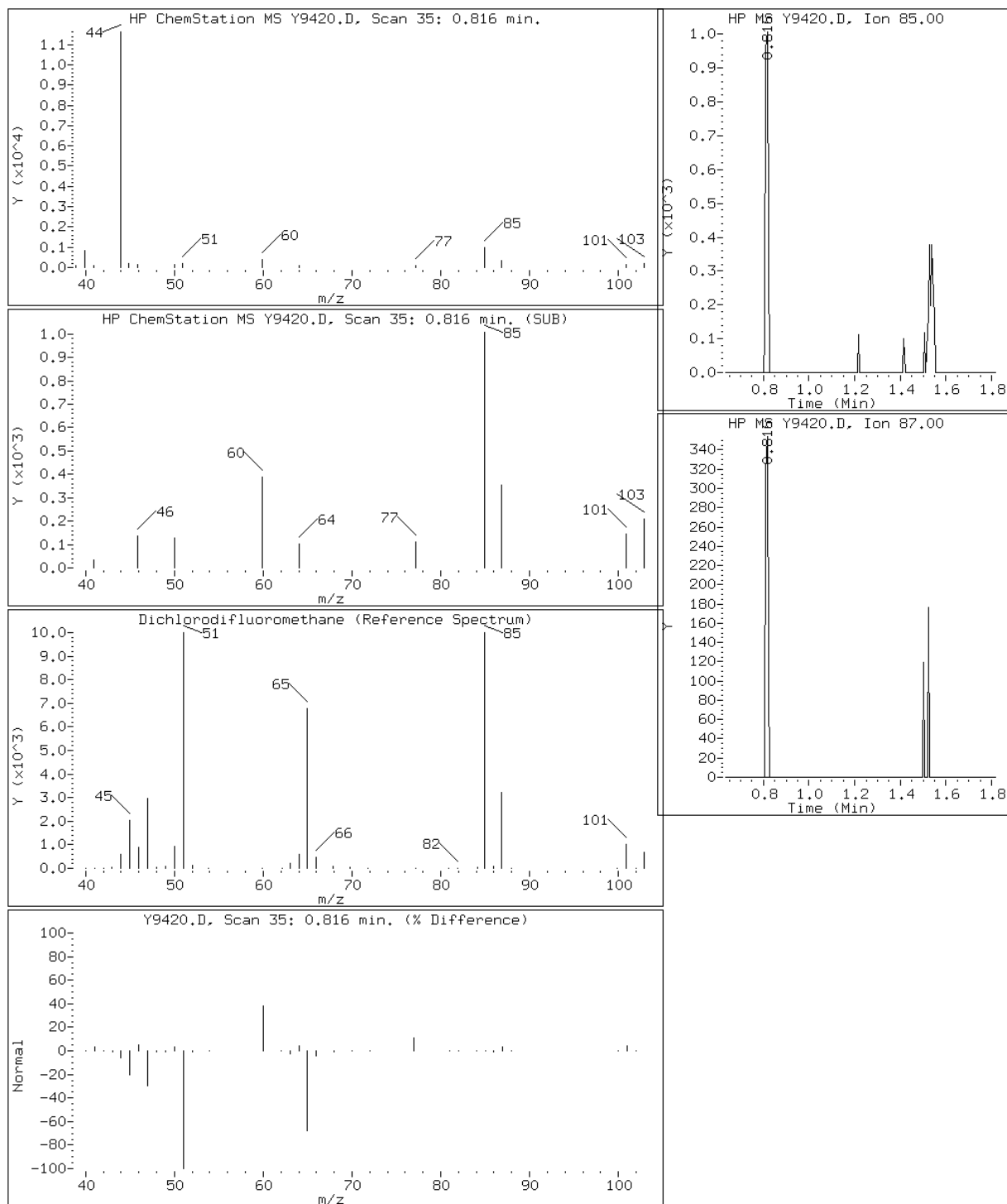
Client ID: TRIP BLANK

Instrument: msy.i

Sample Info: 220-11150-A-8

Operator: D. HUMBERT

3 Dichlorodifluoromethane



Data File: Y9420.D

Date: 30-DEC-2009 12:41

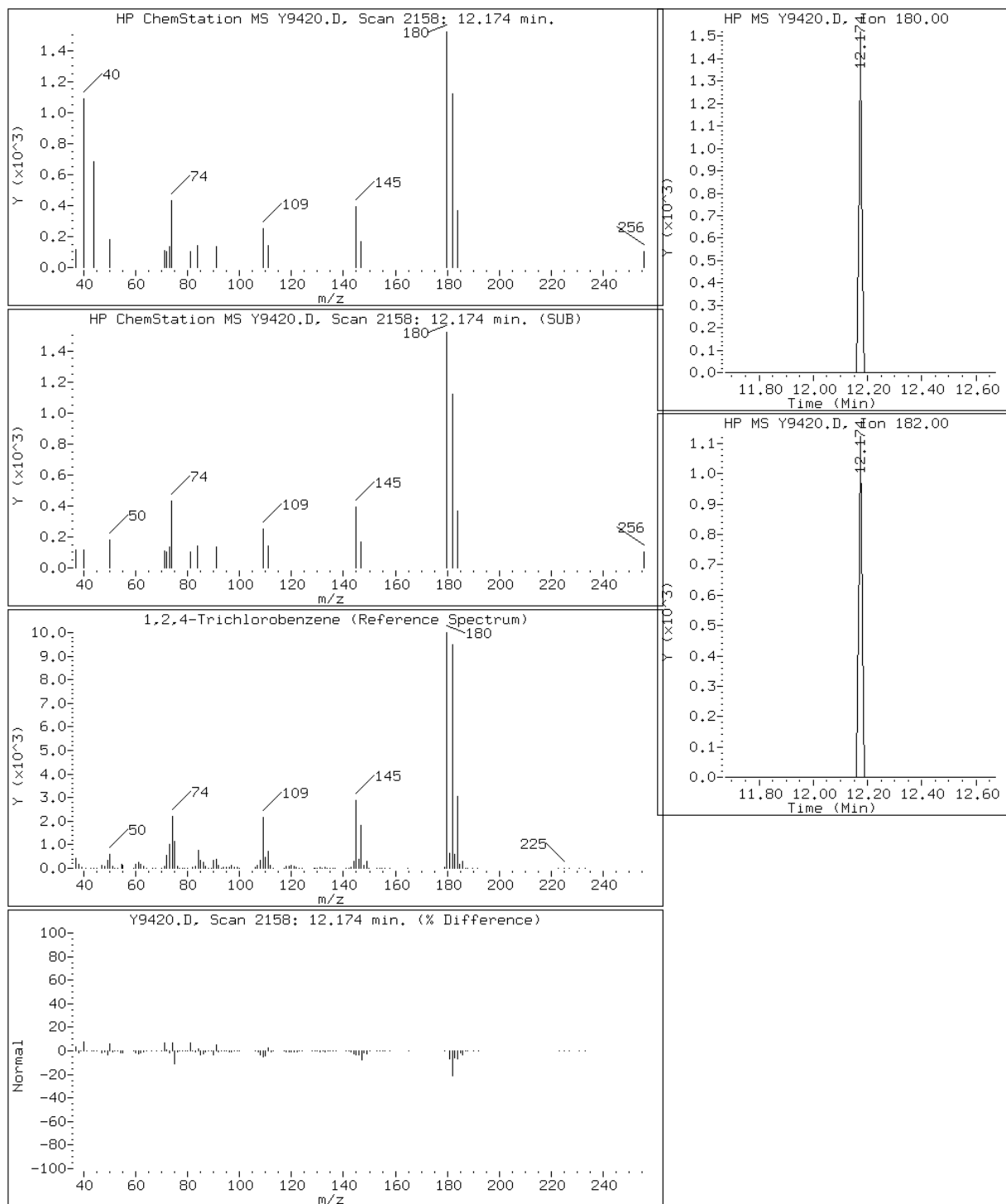
Client ID: TRIP BLANK

Instrument: msy.i

Sample Info: 220-11150-A-8

Operator: D. HUMBERT

71 1,2,4-Trichlorobenzene



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1 Analy Batch No.: 34432

SDG No.: 220-11150

Instrument ID: MSY GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2009 21:04 Calibration End Date: 12/17/2009 22:49 Calibration ID: 6060

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-34432/5	Y9179.D
Level 2	IC 220-34432/4	Y9178.D
Level 3	IC 220-34432/3	Y9177.D
Level 4	IC 220-34432/2	Y9176.D
Level 5	IC 220-34432/1	Y9175.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Monochloropentafluoroethane	0.0795	0.0799	0.0767	0.0806	0.0721	Ave		0.0778				4.5					
1,1-Difluoroethane	0.6500	0.6869	0.6889	0.6905	0.6093	Ave		0.6651				5.3					
Dichlorodifluoromethane	1.1065	1.2023	1.1892	1.2001	1.1096	Ave		1.1616			0.0100	4.2					
Chlorodifluoromethane	1.8151	2.0256	2.0372	2.0334	1.7788	Ave		1.9380				6.7					
Chloromethane	1.5049	1.5498	1.5857	1.6007	1.4010	Ave		1.5284			0.0100	5.3					
Vinyl chloride	1.2998	1.3269	1.3638	1.3764	1.2172	Ave		1.3168			0.1000	4.8	20.5				
Bromomethane	0.8120	0.8038	0.7937	0.7691	0.7202	Ave		0.7798			0.1000	4.7	20.5				
Chloroethane	0.6690	0.6695	0.6455	0.5796	0.5402	Ave		0.6208			0.0100	9.4					
Trichlorofluoromethane	2.5391	2.5819	2.5686	2.5613	2.3391	Ave		2.5180			0.0100	4.0					
1,1-Dichloro-1-fluoroethane	2.5318	2.6429	2.6782	2.7101	2.4863	Ave		2.6099				3.7					
1,1-Dichloroethene	1.2666	1.2782	1.3153	1.3024	1.1557	Ave		1.2636			0.1000	5.0	20.5				
Carbon disulfide	3.9102	4.0051	4.0974	4.0105	3.5191	Ave		3.9085			0.0100	5.8					
1,1,2-Trichloro-1,2,2-trifluoroethane	1.5779	1.6146	1.6472	1.6485	1.4666	Ave		1.5910			0.0100	4.7					
1,1,1-Trifluoro-2,2-dichloroethane	2.1930	2.2788	2.2959	2.3018	2.0348	Ave		2.2208				5.1					
Iodomethane	2.1374	2.2012	2.1957	2.1370	1.8422	Ave		2.1027				7.1					
Acrolein	0.2010	0.2073	0.2217	0.2271	0.2009	Ave		0.2116				5.7					
Methylene Chloride	1.4940	1.5368	1.5315	1.5204	1.3594	Ave		1.4884			0.0100	5.0					
Acetone	0.4436	0.4379	0.3959	0.3916	0.3219	Ave		0.3982			0.0100	12.2					
trans-1,2-Dichloroethene	1.4465	1.5107	1.5340	1.5462	1.3715	Ave		1.4818			0.0100	4.9					
Methyl acetate	4.7080	4.8470	4.9554	4.9570	4.2349	Ave		4.7405			0.0100	6.3					
Methyl tert-butyl ether	3.0162	3.1127	3.2419	3.2775	2.9090	Ave		3.1114			0.0100	4.9					
2-Methyl-2-propanol	0.0782	0.0868	0.0736	0.0791	0.0523	Ave		0.0740				17.6					
1,1-Dichloroethane	2.6020	2.7082	2.7554	2.7663	2.4807	Ave		2.6625			0.2000	4.5	20.5				
Acrylonitrile	0.5095	0.5165	0.5330	0.5488	0.4799	Ave		0.5175				5.0					
Vinyl acetate	0.3494	0.3802	0.4245	0.4516	0.4125	Ave		0.4037				9.8					
cis-1,2-Dichloroethene	1.4845	1.5906	1.6585	1.6760	1.5299	Ave		1.5879			0.0100	5.2					
Cyclohexane	0.3027	0.3236	0.3442	0.3507	0.3200	Ave		0.3282			0.0100	5.9					
Chloroform	2.7177	2.8000	2.8826	2.8789	2.6292	Ave		2.7817			0.2000	3.9	20.5				
Carbon tetrachloride	0.3122	0.3152	0.3287	0.3380	0.3124	Ave		0.3213			0.1000	3.6	20.5				
Tetrahydrofuran	0.3064	0.3113	0.3458	0.3677	0.3213	Ave		0.3305				7.8					
1,1,1-Trichloroethane	0.3594	0.3762	0.3931	0.3994	0.3720	Ave		0.3800			0.1000	4.3	20.5				
2-Butanone (MEK)	0.4717	0.5208	0.5499	0.5720	0.5106	Ave		0.5250			0.0100	7.3					

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1 Analy Batch No.: 34432

SDG No.: 220-11150

Instrument ID: MSY GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2009 21:04 Calibration End Date: 12/17/2009 22:49 Calibration ID: 6060

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzene	0.9377	0.9636	0.9835	0.9847	0.8890	Ave		0.9517			0.5000	4.2		20.5			
1,2-Dichloroethane	2.0690	2.1297	2.1735	2.1920	1.9959	Ave		2.1120			0.1000	3.8		20.5			
Methylcyclohexane	0.2663	0.2929	0.3129	0.3243	0.2965	Ave		0.2986			0.0100	7.4					
Trichloroethene	0.2683	0.2814	0.2819	0.2840	0.2609	Ave		0.2753		*	0.3000	3.7		20.5			
Dibromomethane	1.0651	1.1010	1.1257	1.1408	1.0328	Ave		1.0931				4.0					
1,2-Dichloropropane	0.2470	0.2555	0.2623	0.2639	0.2418	Ave		0.2541			0.0100	3.8					
Dichlorobromomethane	0.3257	0.3372	0.3467	0.3522	0.3268	Ave		0.3377			0.2000	3.5		20.5			
1,4-Dioxane	0.0176	0.0189	0.0163	0.0151	0.0065	Ave		0.0149				32.9					
Methyl methacrylate	0.1310	0.1480	0.1629	0.1703	0.1531	Ave		0.1531				9.8					
2-Chloroethyl vinyl ether	0.1143	0.1293	0.1469	0.1548	0.1436	Ave		0.1378				11.7					
cis-1,3-Dichloropropene	0.3494	0.3768	0.3940	0.4030	0.3714	Ave		0.3789			0.2000	5.5		20.5			
Toluene	1.1709	1.2217	1.2389	1.2363	1.1163	Ave		1.1968			0.4000	4.4		20.5			
Tetrachloroethene	0.2457	0.2482	0.2468	0.2500	0.2294	Ave		0.2440			0.2000	3.4		20.5			
4-Methyl-2-pentanone (MIBK)	0.1779	0.1944	0.2155	0.2285	0.2063	Ave		0.2045			0.0100	9.5					
trans-1,3-Dichloropropene	0.2964	0.3283	0.3554	0.3705	0.3465	Ave		0.3394			0.1000	8.4		20.5			
1,1,2-Trichloroethane	0.2255	0.2268	0.2335	0.2332	0.2137	Ave		0.2265			0.1000	3.6		20.5			
Ethyl methacrylate	0.2273	0.2639	0.3077	0.3298	0.3064	Ave		0.2870				14.3					
Chlorodibromomethane	0.2612	0.2745	0.2864	0.2966	0.2794	Ave		0.2796			0.1000	4.7		20.5			
Ethylene Dibromide	0.2702	0.2815	0.2893	0.2919	0.2675	Ave		0.2801			0.0100	3.9					
2-Hexanone	0.1088	0.1202	0.1379	0.1534	0.1381	Ave		0.1317			0.0100	13.2					
Chlorobenzene	0.8091	0.8146	0.8163	0.8197	0.7493	Ave		0.8018			0.5000	3.7		20.5			
Ethylbenzene	0.3742	0.3965	0.4106	0.4157	0.3830	Ave		0.3960			0.1000	4.5		20.5			
m-Xylene & p-Xylene	0.4617	0.4868	0.5002	0.5007	0.4558	Ave		0.4810			0.3000	4.4		20.5			
o-Xylene	0.3978	0.4358	0.4689	0.4821	0.4456	Ave		0.4460			0.3000	7.3		20.5			
Bromoform	0.1760	0.1844	0.1956	0.2096	0.2020	Ave		0.1935			0.1000	7.0		20.5			
Styrene	0.7366	0.7943	0.8232	0.8296	0.7702	Ave		0.7908			0.3000	4.9		20.5			
Isopropylbenzene	0.9730	1.0638	1.1231	1.1384	1.0543	Ave		1.0705			0.0100	6.1					
1,1,2,2-Tetrachloroethane	0.3157	0.3242	0.3311	0.3364	0.3096	Ave		0.3234			0.3000	3.4		20.5			
1,2,3-Trichloropropane	0.0804	0.0839	0.0841	0.0862	0.0796	Ave		0.0829				3.3					
1,3-Dichlorobenzene	0.6206	0.6576	0.6586	0.6693	0.6237	Ave		0.6460			0.6000	3.4		20.5			
1,4-Dichlorobenzene	0.6320	0.6697	0.6800	0.6953	0.6496	Ave		0.6653			0.5000	3.7		20.5			
1,2-Dichlorobenzene	0.6054	0.6450	0.6571	0.6720	0.6362	Ave		0.6431			0.4000	3.9		20.5			
1,2-Dibromo-3-Chloropropane	0.0598	0.0613	0.0666	0.0705	0.0655	Ave		0.0647			0.0100	6.6					
1,2,4-Trichlorobenzene	0.4608	0.4889	0.5160	0.5187	0.4541	Ave		0.4877			0.2000	6.2		20.5			
1,2-Dichloroethane-d4 (Surr)	1.6400	1.7823	1.9273	1.9569	1.8339	Ave		1.8281			0.0100	6.9					
Toluene-d8 (Surr)	0.9310	1.0512	1.1310	1.1504	1.0777	Ave		1.0683			0.0100	8.1					
4-Bromofluorobenzene	0.3431	0.3844	0.4150	0.4294	0.4120	Ave		0.3968			0.2000	8.6		20.5			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1 Analy Batch No.: 34432

SDG No.: 220-11150

Instrument ID: MSY GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2009 21:04 Calibration End Date: 12/17/2009 22:49 Calibration ID: 6060

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-34432/5	Y9179.D
Level 2	IC 220-34432/4	Y9178.D
Level 3	IC 220-34432/3	Y9177.D
Level 4	IC 220-34432/2	Y9176.D
Level 5	IC 220-34432/1	Y9175.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Monochloropentafluoroethane	CBM	Ave	5031	10148	24101	50368	88829	10.0	20.0	50.0	100	200
1,1-Difluoroethane	CBM	Ave	41118	87197	216444	431583	751054	10.0	20.0	50.0	100	200
Dichlorodifluoromethane	CBM	Ave	69994	152613	373626	750096	1367780	10.0	20.0	50.0	100	200
Chlorodifluoromethane	CBM	Ave	114813	257127	640046	1270939	2192595	10.0	20.0	50.0	100	200
Chloromethane	CBM	Ave	95189	196725	498200	1000465	1726869	10.0	20.0	50.0	100	200
Vinyl chloride	CBM	Ave	82221	168430	428466	860293	1500376	10.0	20.0	50.0	100	200
Bromomethane	CBM	Ave	51365	102028	249368	480722	887770	10.0	20.0	50.0	100	200
Chloroethane	CBM	Ave	42320	84988	202814	362284	665815	10.0	20.0	50.0	100	200
Trichlorofluoromethane	CBM	Ave	160610	327742	807000	1600870	2883224	10.0	20.0	50.0	100	200
1,1-Dichloro-1-fluoroethane	CBM	Ave	160149	335478	841425	1693893	3064633	10.0	20.0	50.0	100	200
1,1-Dichloroethene	CBM	Ave	80116	162245	413228	814052	1424495	10.0	20.0	50.0	100	200
Carbon disulfide	CBM	Ave	247342	508390	1287304	2506668	4337735	10.0	20.0	50.0	100	200
1,1,2-Trichloro-1,2,2-trifluoroethane	CBM	Ave	99809	204953	517502	1030378	1807813	10.0	20.0	50.0	100	200
1,1,1-Trifluoro-2,2-dichloroethane	CBM	Ave	138715	289262	721308	1438669	2508171	10.0	20.0	50.0	100	200
Iodomethane	CBM	Ave	135200	279407	689850	1335669	2270739	10.0	20.0	50.0	100	200
Acrolein	CBM	Ave	63582	131568	348201	709749	1237950	50.0	100	250	500	1000
Methylene Chloride	CBM	Ave	94502	195076	481172	950276	1675608	10.0	20.0	50.0	100	200
Acetone	CBM	Ave	28057	55581	124391	244778	396819	10.0	20.0	50.0	100	200
trans-1,2-Dichloroethene	CBM	Ave	91495	191767	481954	966430	1690550	10.0	20.0	50.0	100	200
Methyl acetate	CBM	Ave	297805	615262	1556861	3098253	5220030	10.0	20.0	50.0	100	200
Methyl tert-butyl ether	CBM	Ave	190786	395112	1018529	2048514	3585652	10.0	20.0	50.0	100	200
2-Methyl-2-propanol	CBM	Ave	24735	55065	115563	247121	322582	50.0	100	250	500	1000
1,1-Dichloroethane	CBM	Ave	164590	343765	865669	1728975	3057789	10.0	20.0	50.0	100	200
Acrylonitrile	CBM	Ave	64453	131126	334915	685975	1183143	20.0	40.0	100	200	400
Vinyl acetate	DFB	Ave	132096	293047	820719	1747202	3115065	10.0	20.0	50.0	100	200
cis-1,2-Dichloroethene	CBM	Ave	93904	201911	521052	1047515	1885811	10.0	20.0	50.0	100	200
Cyclohexane	DFB	Ave	114417	249384	665400	1356750	2416732	10.0	20.0	50.0	100	200
Chloroform	CBM	Ave	171905	355426	905648	1799396	3240762	10.0	20.0	50.0	100	200
Carbon tetrachloride	DFB	Ave	118020	242943	635597	1307698	2359137	10.0	20.0	50.0	100	200
Tetrahydrofuran	CBM	Ave	38761	79026	217277	459669	792149	20.0	40.0	100	200	400
1,1,1-Trichloroethane	DFB	Ave	135879	289942	760048	1545297	2808854	10.0	20.0	50.0	100	200
2-Butanone (MEK)	CBM	Ave	29837	66105	172779	357531	629390	10.0	20.0	50.0	100	200
Benzene	DFB	Ave	354489	742644	1901440	3809346	6712986	10.0	20.0	50.0	100	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1 Analy Batch No.: 34432

SDG No.: 220-11150

Instrument ID: MSY GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/17/2009 21:04 Calibration End Date: 12/17/2009 22:49 Calibration ID: 6060

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
1,2-Dichloroethane	CBM	Ave	130874	270337	682864	1370030	2460157	10.0	20.0	50.0	100	200
Methylcyclohexane	DFB	Ave	100657	225755	604905	1254734	2238599	10.0	20.0	50.0	100	200
Trichloroethene	DFB	Ave	101431	216885	545101	1098583	1970464	10.0	20.0	50.0	100	200
Dibromomethane	CBM	Ave	67371	139754	353676	713017	1273112	10.0	20.0	50.0	100	200
1,2-Dichloropropane	DFB	Ave	93373	196883	507066	1020916	1825606	10.0	20.0	50.0	100	200
Dichlorobromomethane	DFB	Ave	123133	259887	670294	1362531	2468119	10.0	20.0	50.0	100	200
1,4-Dioxane	CBM	Ave	11119	23946	51156	94201	80034	100	200	500	1000	2000
Methyl methacrylate	DFB	Ave	99067	228094	629882	1317782	2312551	20.0	40.0	100	200	400
2-Chloroethyl vinyl ether	DFB	Ave	43191	99647	283950	598789	1084245	10.0	20.0	50.0	100	200
cis-1,3-Dichloropropene	DFB	Ave	132098	290401	761738	1558964	2804444	10.0	20.0	50.0	100	200
Toluene	CBZ	Ave	383905	820784	2109638	4233965	7493240	10.0	20.0	50.0	100	200
Tetrachloroethene	CBZ	Ave	80556	166722	420250	856027	1539937	10.0	20.0	50.0	100	200
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	58336	130629	367036	782361	1384650	10.0	20.0	50.0	100	200
trans-1,3-Dichloropropene	DFB	Ave	112035	253055	687084	1433223	2616450	10.0	20.0	50.0	100	200
1,1,2-Trichloroethane	DFB	Ave	85231	174822	451446	902025	1613349	10.0	20.0	50.0	100	200
Ethyl methacrylate	CBZ	Ave	74513	177284	523976	1129259	2057095	10.0	20.0	50.0	100	200
Chlorodibromomethane	DFB	Ave	98744	211531	553671	1147619	2109475	10.0	20.0	50.0	100	200
Ethylene Dibromide	CBZ	Ave	88587	189149	492670	999572	1795632	10.0	20.0	50.0	100	200
2-Hexanone	CBZ	Ave	35683	80746	234899	525406	927137	10.0	20.0	50.0	100	200
Chlorobenzene	CBZ	Ave	265287	547267	1389937	2807028	5029641	10.0	20.0	50.0	100	200
Ethylbenzene	CBZ	Ave	122686	266370	699189	1423461	2571259	10.0	20.0	50.0	100	200
m-Xylene & p-Xylene	CBZ	Ave	302769	654133	1703636	3429158	6118784	20.0	40.0	100	200	400
o-Xylene	CBZ	Ave	130418	292802	798455	1651089	2991333	10.0	20.0	50.0	100	200
Bromoform	DFB	Ave	66522	142119	378164	811041	1525136	10.0	20.0	50.0	100	200
Styrene	CBZ	Ave	241501	533619	1401702	2840927	5170349	10.0	20.0	50.0	100	200
Isopropylbenzene	CBZ	Ave	319039	714747	1912477	3898446	7077458	10.0	20.0	50.0	100	200
1,1,2,2-Tetrachloroethane	CBZ	Ave	103516	217810	563785	1152098	2078110	10.0	20.0	50.0	100	200
1,2,3-Trichloropropane	CBZ	Ave	26372	56382	143249	295321	534606	10.0	20.0	50.0	100	200
1,3-Dichlorobenzene	CBZ	Ave	203471	441791	1121448	2292197	4186787	10.0	20.0	50.0	100	200
1,4-Dichlorobenzene	CBZ	Ave	207232	449937	1157873	2381129	4360597	10.0	20.0	50.0	100	200
1,2-Dichlorobenzene	CBZ	Ave	198504	433371	1118875	2301240	4270597	10.0	20.0	50.0	100	200
1,2-Dibromo-3-Chloropropane	CBZ	Ave	19609	41203	113468	241305	439394	10.0	20.0	50.0	100	200
1,2,4-Trichlorobenzene	CBZ	Ave	151082	328446	878585	1776405	3048007	10.0	20.0	50.0	100	200
1,2-Dichloroethane-d4 (Surr)	CBM	Ave	103740	226240	605512	1223107	2260460	10.0	20.0	50.0	100	200
Toluene-d8 (Surr)	CBZ	Ave	305257	706233	1925824	3939680	7234680	10.0	20.0	50.0	100	200
4-Bromofluorobenzene	CBZ	Ave	112478	258233	706662	1470519	2765595	10.0	20.0	50.0	100	200

Curve Type Legend:

Ave = Average ISTD

Test America Inc

Volatile Report CLP METHOD OLM 4.2

Data file : \\consrv05\Files\chem\VOA\msy.i\Y099172.b\Y9175.D
 Lab Smp Id: IC;200 Client Smp ID: IC;200
 Inj Date : 17-DEC-2009 21:04 MS Autotune Date: 23-NOV-2009 10:24
 Operator : D. HUMBERT Inst ID: msy.i
 Smp Info : IC;200
 Misc Info :
 Comment :
 Method : \\consrv05\Files\chem\VOA\msy.i\Y099172.b\YCLPW42.M
 Meth Date : 18-Dec-2009 11:42 msy.i Quant Type: ISTD
 Cal Date : 17-DEC-2009 21:57 Cal File: Y9177.D
 Als bottle: 100 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14
 Processing Host: CON1006

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						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
* 1 Bromochloromethane	128		3.100	3.100 (1.000)		308156	50.0000	
2 Freon 115	119		0.752	0.752 (0.243)		88829	200.000	180
3 Dichlorodifluoromethane	85		0.816	0.816 (0.263)		1367780	200.000	190
4 Freon 152a	65		0.816	0.816 (0.263)		751054	200.000	180
5 Chlorodifluoromethane	51		0.832	0.832 (0.268)		2192595	200.000	180
6 Chloromethane	50		0.907	0.907 (0.293)		1726869	200.000	180
7 Vinyl Chloride	62		0.944	0.944 (0.305)		1500376	200.000	180
8 Bromomethane	94		1.099	1.099 (0.355)		887770	200.000	180
9 Chloroethane	64		1.164	1.164 (0.375)		665815	200.000	170
10 Trichlorofluoromethane	101		1.239	1.239 (0.400)		2883224	200.000	180
11 Freon 141	81		1.447	1.447 (0.467)		3064633	200.000	190
12 Freon 123	83		1.538	1.538 (0.496)		2508171	200.000	180
13 Trichlorotrifluoroethane	101		1.527	1.527 (0.493)		1807813	200.000	180
14 1,1-Dichloroethene	96		1.506	1.506 (0.486)		1424495	200.000	180
15 Carbon Disulfide	76		1.517	1.517 (0.489)		4337735	200.000	180
16 Iodomethane	142		1.581	1.581 (0.510)		2270739	200.000	180
17 Methylene Chloride	84		1.848	1.848 (0.596)		1675608	200.000	180
18 Acetone	43		1.881	1.881 (0.607)		396819	200.000	160
19 Methyl Acetate	43		1.971	1.971 (0.636)		5220030	200.000	180
20 trans-1,2-Dichloroethene	96		1.955	1.955 (0.631)		1690550	200.000	180
21 Methyl tert-Butyl Ether	73		2.041	2.041 (0.658)		3585652	200.000	190
22 Acrolein	56		1.693	1.693 (0.546)		1237950	1000.00	950

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	=====	=====	=====	=====		=====	=====
23 tert-Butyl alcohol	59	2.121	2.121 (0.684)		322582		1000.00	710
24 Acrylonitrile	53	2.453	2.453 (0.791)		1183143		400.000	370
25 1,1-Dichloroethane	63	2.416	2.416 (0.779)		3057789		200.000	190
26 cis-1,2-Dichloroethene	96	2.902	2.902 (0.936)		1885811		200.000	190
27 Chloroform	83	3.202	3.202 (1.033)		3240762		200.000	190
28 Tetrahydrofuran	42	3.346	3.346 (1.079)		792149		400.000	390
29 2-Butanone	43	3.534	3.534 (1.140)		629390		200.000	190
30 1,2-Dichloroethane	62	4.015	4.015 (1.295)		2460157		200.000	190
31 Dibromomethane	93	4.914	4.914 (1.585)		1273112		200.000	190
32 1,4-Dioxane	58	5.406	5.406 (1.744)		80034		2000.00	870(M)
\$ 33 1,2-Dichloroethane-d4	65	3.940	3.940 (1.271)		2260460		200.000	200(A)
* 34 1,4-Difluorobenzene	114	4.523	4.523 (1.000)		1887827		50.0000	
35 Vinyl Acetate	43	2.656	2.656 (0.587)		3115065		200.000	200(A)
36 1,1,1-Trichloroethane	97	3.395	3.395 (0.750)		2808854		200.000	200
37 Carbon Tetrachloride	117	3.320	3.320 (0.734)		2359137		200.000	190
38 Benzene	78	3.796	3.796 (0.839)		6712986		200.000	190
39 Cyclohexane	56	3.100	3.100 (0.685)		2416732		200.000	200
40 Methyl Cyclohexane	83	4.432	4.432 (0.980)		2238599		200.000	200
41 Trichloroethene	130	4.459	4.459 (0.986)		1970464		200.000	190
42 1,2-Dichloropropane	63	5.037	5.037 (1.114)		1825606		200.000	190
43 Bromodichloromethane	83	5.144	5.144 (1.137)		2468119		200.000	190
44 Methyl Methacrylate	69	5.406	5.406 (1.195)		2312551		400.000	400(A)
45 2-Chloroethylvinylether	63	5.887	5.887 (1.302)		1084245		200.000	210(A)
46 cis-1,3-Dichloropropene	75	5.898	5.898 (1.304)		2804444		200.000	200
47 trans-1,3-Dichloropropene	75	6.717	6.717 (1.485)		2616450		200.000	200(A)
48 1,1,2-Trichloroethane	97	6.893	6.893 (1.524)		1613349		200.000	190
49 Dibromochloromethane	129	7.091	7.091 (1.568)		2109475		200.000	200
50 Bromoform	173	8.926	8.926 (1.973)		1525136		200.000	210(A)
* 51 Chlorobenzene-d5	117	8.017	8.017 (1.000)		1678217		50.0000	
52 Toluene	91	6.176	6.176 (0.770)		7493240		200.000	190
\$ 53 Toluene-d8	98	6.118	6.118 (0.763)		7234680		200.000	200(A)
54 4-Methyl-2-Pentanone	43	6.695	6.695 (0.835)		1384650		200.000	200(A)
55 Tetrachloroethene	164	6.626	6.626 (0.827)		1539937		200.000	190
56 Ethyl Methacrylate	69	7.006	7.006 (0.874)		2057095		200.000	210(A)
57 1,2-Dibromoethane	107	7.327	7.327 (0.914)		1795632		200.000	190
58 2-Hexanone	43	7.760	7.760 (0.968)		927137		200.000	210(A)
59 Chlorobenzene	112	8.033	8.033 (1.002)		5029641		200.000	190
60 Ethylbenzene	106	8.129	8.129 (1.014)		2571259		200.000	190
61 Xylene (total)mp	106	8.338	8.338 (1.040)		6118784		400.000	380
62 Xylene (total)o	106	8.878	8.878 (1.107)		2991333		200.000	200
63 Styrene	104	8.953	8.953 (1.117)		5170349		200.000	190
64 Isopropylbenzene	105	9.306	9.306 (1.161)		7077458		200.000	200
65 1,1,2,2-Tetrachloroethane	83	9.868	9.868 (1.231)		2078110		200.000	190
66 1,2,3-Trichloropropane	110	9.959	9.959 (1.242)		534606		200.000	190
67 1,3-Dichlorobenzene	146	10.601	10.601 (1.322)		4186787		200.000	190
68 1,4-Dichlorobenzene	146	10.686	10.686 (1.333)		4360597		200.000	200
69 1,2-Dichlorobenzene	146	11.029	11.029 (1.376)		4270597		200.000	200
70 1,2-Dibromo-3-chloropropane	75	11.665	11.665 (1.455)		439394		200.000	200(A)
71 1,2,4-Trichlorobenzene	180	12.173	12.173 (1.518)		3048007		200.000	190
\$ 72 Bromofluorobenzene	95	9.584	9.584 (1.196)		2765595		200.000	210(A)
M 73 1,2-Dichloroethene (total)	100				3576361		400.000	380
M 74 Xylene (total)	100				9110117		600.000	580

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Data File: Y9175.D

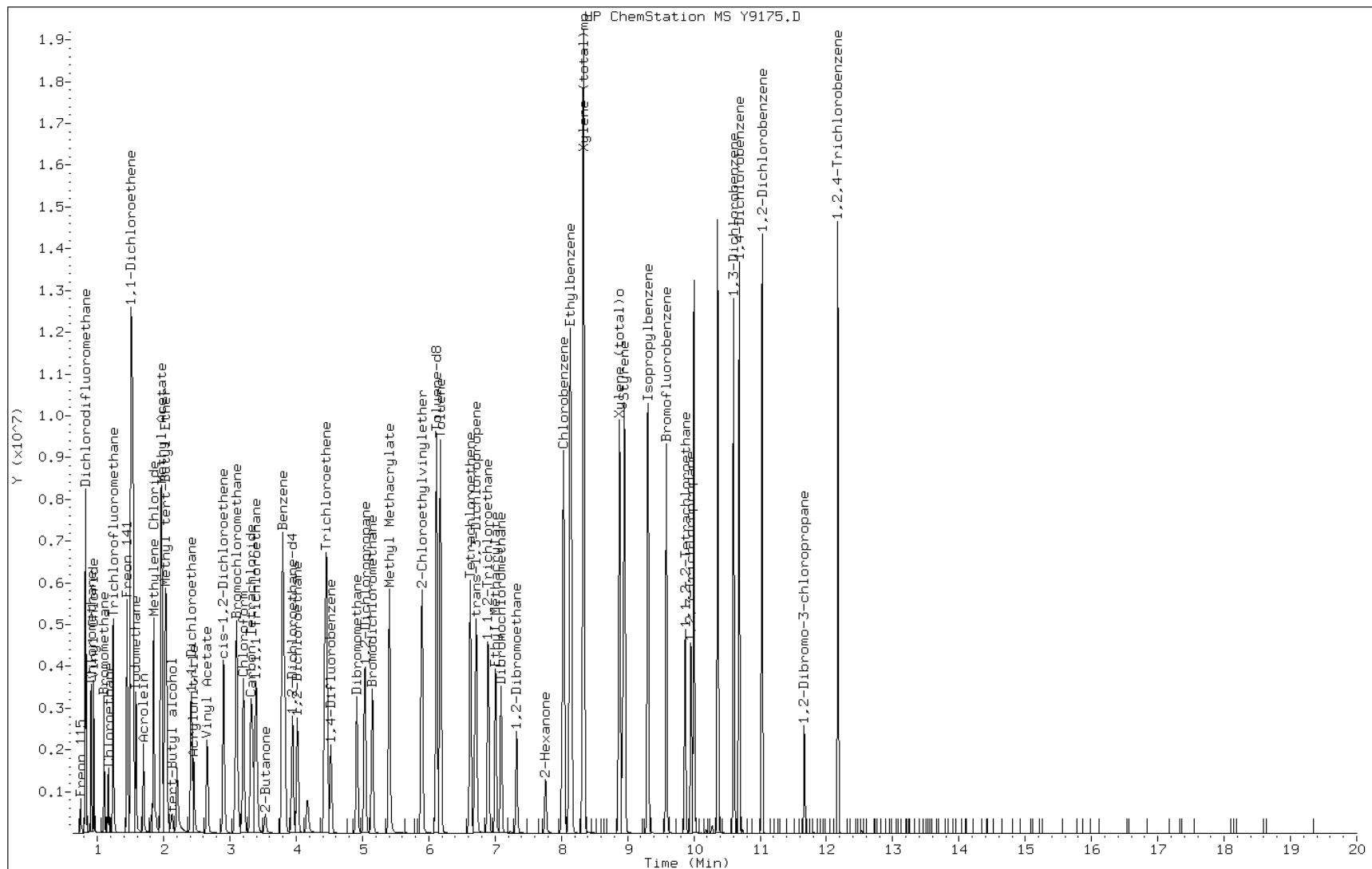
Date: 17-DEC-2009 21:04

Client ID: IC;200

Sample Info: IC;200

Instrument: msy.i

Operator: D. HUMBERT

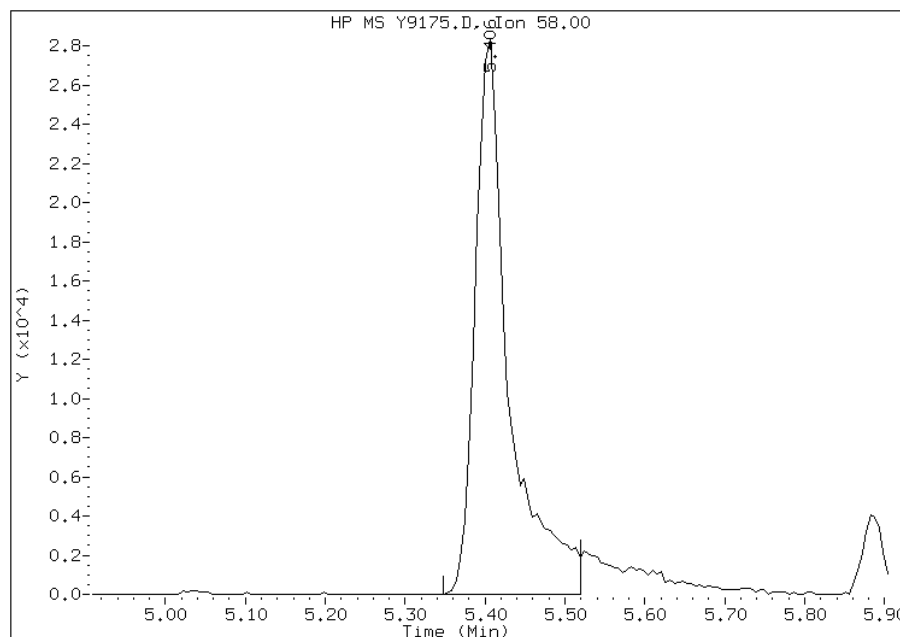


Manual Integration Report

Data File: Y9175.D
Inj. Date and Time: 17-DEC-2009 21:04
Instrument ID: msy.i
Client ID: IC;200
Compound: 32 1,4-Dioxane
CAS #: 123-91-1
Report Date: 12/18/2009

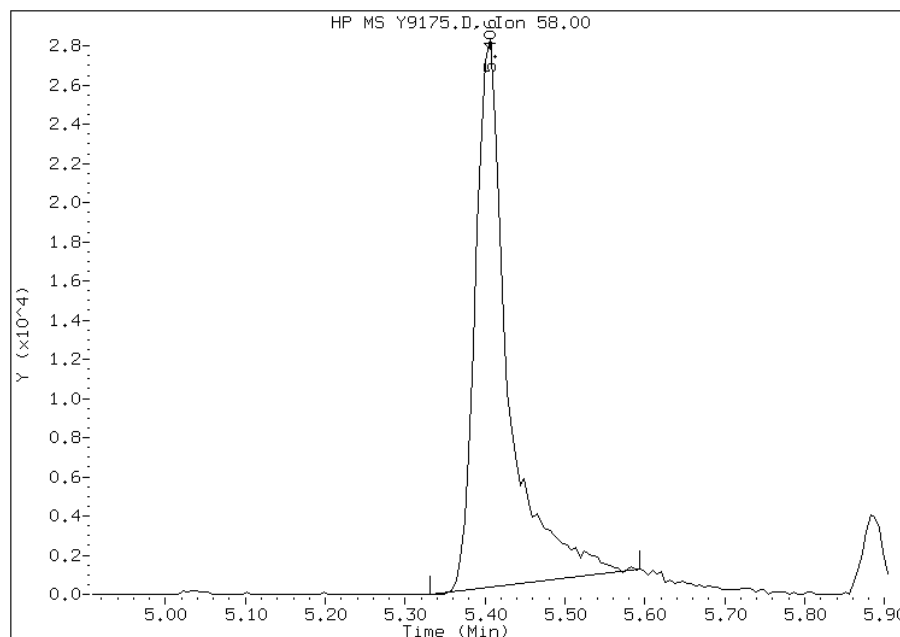
Processing Integration Results

RT: 5.41
Response: 83562
Amount: 1159
Conc: 1159



Manual Integration Results

RT: 5.41
Response: 80034
Amount: 874
Conc: 874



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

Test America Inc

Volatile Report CLP METHOD OLM 4.2

Data file : \\consrv05\Files\chem\VOA\msy.i\Y099172.b\Y9176.D
 Lab Smp Id: IC;100 Client Smp ID: IC;100
 Inj Date : 17-DEC-2009 21:30 MS Autotune Date: 23-NOV-2009 10:24
 Operator : D. HUMBERT Inst ID: msy.i
 Smp Info : IC;100
 Misc Info :
 Comment :
 Method : \\consrv05\Files\chem\VOA\msy.i\Y099172.b\YCLPW42.M
 Meth Date : 18-Dec-2009 11:42 msy.i Quant Type: ISTD
 Cal Date : 17-DEC-2009 21:04 Cal File: Y9175.D
 Als bottle: 100 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14
 Processing Host: CON1006

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						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
* 1 Bromochloromethane	128		3.100	3.100 (1.000)		312512	50.0000	
2 Freon 115	119		0.752	0.752 (0.243)		50368	100.000	110
3 Dichlorodifluoromethane	85		0.816	0.816 (0.263)		750096	100.000	110
4 Freon 152a	65		0.816	0.816 (0.263)		431583	100.000	110
5 Chlorodifluoromethane	51		0.832	0.832 (0.268)		1270939	100.000	110
6 Chloromethane	50		0.907	0.907 (0.293)		1000465	100.000	110
7 Vinyl Chloride	62		0.944	0.944 (0.305)		860293	100.000	110
8 Bromomethane	94		1.100	1.100 (0.355)		480722	100.000	110
9 Chloroethane	64		1.164	1.164 (0.375)		362284	100.000	110
10 Trichlorofluoromethane	101		1.233	1.233 (0.398)		1600870	100.000	110
11 Freon 141	81		1.447	1.447 (0.467)		1693893	100.000	110
12 Freon 123	83		1.538	1.538 (0.496)		1438669	100.000	110
13 Trichlorotrifluoroethane	101		1.527	1.527 (0.493)		1030378	100.000	110
14 1,1-Dichloroethene	96		1.501	1.501 (0.484)		814052	100.000	110
15 Carbon Disulfide	76		1.517	1.517 (0.489)		2506668	100.000	110
16 Iodomethane	142		1.581	1.581 (0.510)		1335669	100.000	120
17 Methylene Chloride	84		1.848	1.848 (0.596)		950276	100.000	110
18 Acetone	43		1.881	1.881 (0.607)		244778	100.000	120
19 Methyl Acetate	43		1.972	1.972 (0.636)		3098253	100.000	120
20 trans-1,2-Dichloroethene	96		1.955	1.955 (0.631)		966430	100.000	110
21 Methyl tert-Butyl Ether	73		2.041	2.041 (0.658)		2048514	100.000	110
22 Acrolein	56		1.693	1.693 (0.546)		709749	500.000	560

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	=====	=====	=====	=====		=====	=====
23 tert-Butyl alcohol	59	2.121	2.121 (0.684)		247121		500.000	760
24 Acrylonitrile	53	2.453	2.453 (0.791)		685975		200.000	230
25 1,1-Dichloroethane	63	2.416	2.416 (0.779)		1728975		100.000	110
26 cis-1,2-Dichloroethene	96	2.902	2.902 (0.936)		1047515		100.000	110
27 Chloroform	83	3.202	3.202 (1.033)		1799396		100.000	110
28 Tetrahydrofuran	42	3.346	3.346 (1.079)		459669		200.000	230
29 2-Butanone	43	3.534	3.534 (1.140)		357531		100.000	110
30 1,2-Dichloroethane	62	4.015	4.015 (1.295)		1370030		100.000	110
31 Dibromomethane	93	4.914	4.914 (1.585)		713017		100.000	110
32 1,4-Dioxane	58	5.401	5.401 (1.742)		94201		1000.00	2300(AM)
\$ 33 1,2-Dichloroethane-d4	65	3.940	3.940 (1.271)		1223107		100.000	110
* 34 1,4-Difluorobenzene	114	4.523	4.523 (1.000)		1934322		50.0000	
35 Vinyl Acetate	43	2.656	2.656 (0.587)		1747202		100.000	110
36 1,1,1-Trichloroethane	97	3.395	3.395 (0.750)		1545297		100.000	110
37 Carbon Tetrachloride	117	3.320	3.320 (0.734)		1307698		100.000	110
38 Benzene	78	3.790	3.790 (0.838)		3809346		100.000	110
39 Cyclohexane	56	3.100	3.100 (0.685)		1356750		100.000	110
40 Methyl Cyclohexane	83	4.432	4.432 (0.980)		1254734		100.000	110
41 Trichloroethene	130	4.459	4.459 (0.986)		1098583		100.000	110
42 1,2-Dichloropropane	63	5.032	5.032 (1.112)		1020916		100.000	110
43 Bromodichloromethane	83	5.144	5.144 (1.137)		1362531		100.000	110
44 Methyl Methacrylate	69	5.406	5.406 (1.195)		1317782		200.000	220
45 2-Chloroethylvinylether	63	5.882	5.882 (1.300)		598789		100.000	110
46 cis-1,3-Dichloropropene	75	5.898	5.898 (1.304)		1558964		100.000	110
47 trans-1,3-Dichloropropene	75	6.717	6.717 (1.485)		1433223		100.000	110
48 1,1,2-Trichloroethane	97	6.893	6.893 (1.524)		902025		100.000	110
49 Dibromochloromethane	129	7.091	7.091 (1.568)		1147619		100.000	110
50 Bromoform	173	8.921	8.921 (1.972)		811041		100.000	100
* 51 Chlorobenzene-d5	117	8.017	8.017 (1.000)		1712292		50.0000	
52 Toluene	91	6.176	6.176 (0.770)		4233965		100.000	110
\$ 53 Toluene-d8	98	6.112	6.112 (0.762)		3939680		100.000	110
54 4-Methyl-2-Pentanone	43	6.695	6.695 (0.835)		782361		100.000	110
55 Tetrachloroethene	164	6.626	6.626 (0.827)		856027		100.000	110
56 Ethyl Methacrylate	69	7.006	7.006 (0.874)		1129259		100.000	110
57 1,2-Dibromoethane	107	7.321	7.321 (0.913)		999572		100.000	110
58 2-Hexanone	43	7.760	7.760 (0.968)		525406		100.000	110
59 Chlorobenzene	112	8.033	8.033 (1.002)		2807028		100.000	110
60 Ethylbenzene	106	8.129	8.129 (1.014)		1423461		100.000	110
61 Xylene (total)mp	106	8.332	8.332 (1.039)		3429158		200.000	220
62 Xylene (total)o	106	8.873	8.873 (1.107)		1651089		100.000	110
63 Styrene	104	8.953	8.953 (1.117)		2840927		100.000	110
64 Isopropylbenzene	105	9.306	9.306 (1.161)		3898446		100.000	110
65 1,1,2,2-Tetrachloroethane	83	9.868	9.868 (1.231)		1152098		100.000	110
66 1,2,3-Trichloropropane	110	9.959	9.959 (1.242)		295321		100.000	110
67 1,3-Dichlorobenzene	146	10.601	10.601 (1.322)		2292197		100.000	110
68 1,4-Dichlorobenzene	146	10.681	10.681 (1.332)		2381129		100.000	110
69 1,2-Dichlorobenzene	146	11.029	11.029 (1.376)		2301240		100.000	100
70 1,2-Dibromo-3-chloropropane	75	11.665	11.665 (1.455)		241305		100.000	110
71 1,2,4-Trichlorobenzene	180	12.173	12.173 (1.518)		1776405		100.000	110
\$ 72 Bromofluorobenzene	95	9.584	9.584 (1.196)		1470519		100.000	100
M 73 1,2-Dichloroethene (total)	100				2013945		200.000	220
M 74 Xylene (total)	100				5080247		300.000	330

QC Flag Legend

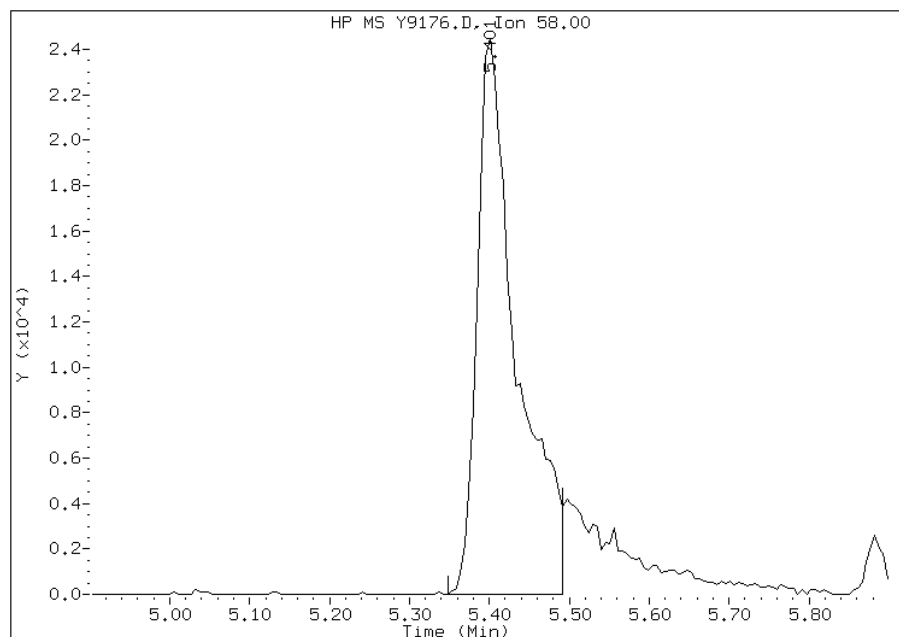
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Manual Integration Report

Data File: Y9176.D
Inj. Date and Time: 17-DEC-2009 21:30
Instrument ID: msy.i
Client ID: IC;100
Compound: 32 1,4-Dioxane
CAS #: 123-91-1
Report Date: 12/18/2009

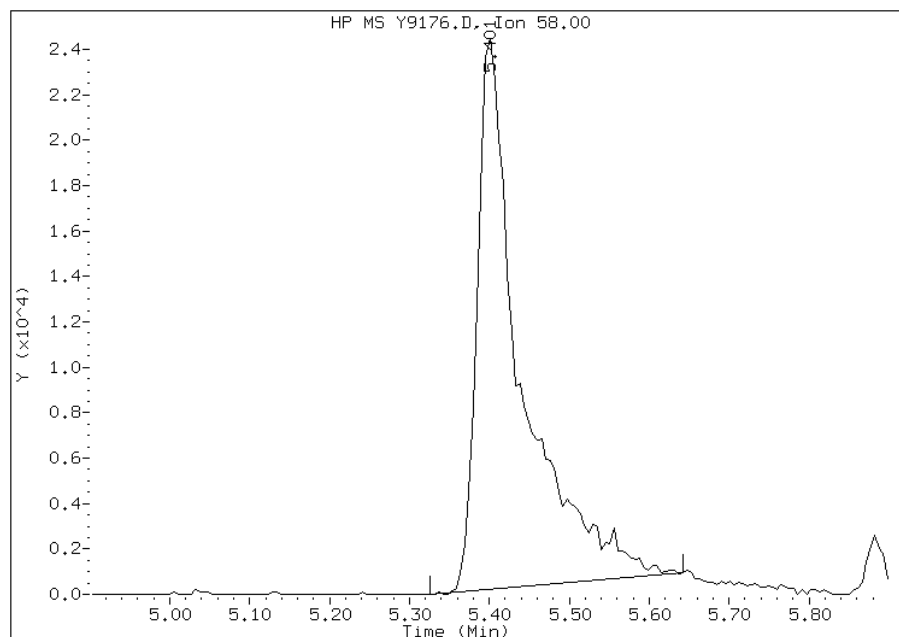
Processing Integration Results

RT: 5.40
Response: 84705
Amount: 1090
Conc: 1090



Manual Integration Results

RT: 5.40
Response: 94201
Amount: 2321
Conc: 2321



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

Test America Inc

Volatile Report CLP METHOD OLM 4.2

Data file : \\consrv05\Files\chem\VOA\msy.i\Y099172.b\Y9177.D
 Lab Smp Id: IC;50 Client Smp ID: IC;50
 Inj Date : 17-DEC-2009 21:57 MS Autotune Date: 23-NOV-2009 10:24
 Operator : D. HUMBERT Inst ID: msy.i
 Smp Info : IC;50
 Misc Info :
 Comment :
 Method : \\consrv05\Files\chem\VOA\msy.i\Y099172.b\YCLPW42.M
 Meth Date : 18-Dec-2009 11:42 msy.i Quant Type: ISTD
 Cal Date : 17-DEC-2009 21:30 Cal File: Y9176.D
 Als bottle: 100 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14
 Processing Host: CON1006

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						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
* 1 Bromochloromethane	128			3.100	3.100	(1.000)	314176	50.0000	
2 Freon 115	119			0.752	0.752	(0.243)	24101	50.0000	50
3 Dichlorodifluoromethane	85			0.816	0.816	(0.263)	373626	50.0000	51
4 Freon 152a	65			0.816	0.816	(0.263)	216444	50.0000	53
5 Chlorodifluoromethane	51			0.832	0.832	(0.268)	640046	50.0000	53
6 Chloromethane	50			0.907	0.907	(0.293)	498200	50.0000	53
7 Vinyl Chloride	62			0.944	0.944	(0.305)	428466	50.0000	52
8 Bromomethane	94			1.099	1.099	(0.355)	249368	50.0000	53
9 Chloroethane	64			1.164	1.164	(0.375)	202814	50.0000	58
10 Trichlorofluoromethane	101			1.239	1.239	(0.400)	807000	50.0000	52
11 Freon 141	81			1.447	1.447	(0.467)	841425	50.0000	52
12 Freon 123	83			1.538	1.538	(0.496)	721308	50.0000	53
13 Trichlorotrifluoroethane	101			1.527	1.527	(0.493)	517502	50.0000	53
14 1,1-Dichloroethene	96			1.506	1.506	(0.486)	413228	50.0000	54
15 Carbon Disulfide	76			1.517	1.517	(0.489)	1287304	50.0000	54
16 Iodomethane	142			1.581	1.581	(0.510)	689850	50.0000	55
17 Methylene Chloride	84			1.848	1.848	(0.596)	481172	50.0000	53
18 Acetone	43			1.881	1.881	(0.607)	124391	50.0000	55
19 Methyl Acetate	43			1.971	1.971	(0.636)	1556861	50.0000	54
20 trans-1,2-Dichloroethene	96			1.955	1.955	(0.631)	481954	50.0000	52
21 Methyl tert-Butyl Ether	73			2.041	2.041	(0.658)	1018529	50.0000	52
22 Acrolein	56			1.693	1.693	(0.546)	348201	250.000	260

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	=====	=====	=====	=====		=====	=====
23 tert-Butyl alcohol	59	2.121	2.121 (0.684)		115563		250.000	280
24 Acrylonitrile	53	2.453	2.453 (0.791)		334915		100.000	100
25 1,1-Dichloroethane	63	2.416	2.416 (0.779)		865669		50.0000	52
26 cis-1,2-Dichloroethene	96	2.902	2.902 (0.936)		521052		50.0000	52
27 Chloroform	83	3.202	3.202 (1.033)		905648		50.0000	52
28 Tetrahydrofuran	42	3.346	3.346 (1.079)		217277		100.000	100
29 2-Butanone	43	3.534	3.534 (1.140)		172779		50.0000	51
30 1,2-Dichloroethane	62	4.015	4.015 (1.295)		682864		50.0000	52
31 Dibromomethane	93	4.914	4.914 (1.585)		353676		50.0000	52
32 1,4-Dioxane	58	5.401	5.401 (1.742)		51156		500.000	760(M)
\$ 33 1,2-Dichloroethane-d4	65	3.940	3.940 (1.271)		605512		50.0000	51
* 34 1,4-Difluorobenzene	114	4.523	4.523 (1.000)		1933393		50.0000	
35 Vinyl Acetate	43	2.656	2.656 (0.587)		820719		50.0000	49
36 1,1,1-Trichloroethane	97	3.395	3.395 (0.750)		760048		50.0000	51
37 Carbon Tetrachloride	117	3.320	3.320 (0.734)		635597		50.0000	50
38 Benzene	78	3.790	3.790 (0.838)		1901440		50.0000	52
39 Cyclohexane	56	3.100	3.100 (0.685)		665400		50.0000	51
40 Methyl Cyclohexane	83	4.432	4.432 (0.980)		604905		50.0000	50
41 Trichloroethene	130	4.459	4.459 (0.986)		545101		50.0000	52
42 1,2-Dichloropropane	63	5.032	5.032 (1.112)		507066		50.0000	52
43 Bromodichloromethane	83	5.144	5.144 (1.137)		670294		50.0000	51
44 Methyl Methacrylate	69	5.406	5.406 (1.195)		629882		100.000	100
45 2-Chloroethylvinylether	63	5.882	5.882 (1.300)		283950		50.0000	49
46 cis-1,3-Dichloropropene	75	5.898	5.898 (1.304)		761738		50.0000	51
47 trans-1,3-Dichloropropene	75	6.717	6.717 (1.485)		687084		50.0000	50
48 1,1,2-Trichloroethane	97	6.893	6.893 (1.524)		451446		50.0000	52
49 Dibromochloromethane	129	7.091	7.091 (1.568)		553671		50.0000	50
50 Bromoform	173	8.921	8.921 (1.972)		378164		50.0000	48
* 51 Chlorobenzene-d5	117	8.011	8.011 (1.000)		1702802		50.0000	
52 Toluene	91	6.171	6.171 (0.770)		2109638		50.0000	53
\$ 53 Toluene-d8	98	6.112	6.112 (0.763)		1925824		50.0000	51
54 4-Methyl-2-Pentanone	43	6.695	6.695 (0.836)		367036		50.0000	50
55 Tetrachloroethene	164	6.626	6.626 (0.827)		420250		50.0000	51
56 Ethyl Methacrylate	69	7.006	7.006 (0.874)		523976		50.0000	48
57 1,2-Dibromoethane	107	7.327	7.327 (0.915)		492670		50.0000	52
58 2-Hexanone	43	7.760	7.760 (0.969)		234899		50.0000	47
59 Chlorobenzene	112	8.033	8.033 (1.003)		1389937		50.0000	52
60 Ethylbenzene	106	8.129	8.129 (1.015)		699189		50.0000	51
61 Xylene (total)mp	106	8.332	8.332 (1.040)		1703636		100.000	100
62 Xylene (total)o	106	8.873	8.873 (1.108)		798455		50.0000	50
63 Styrene	104	8.953	8.953 (1.118)		1401702		50.0000	51
64 Isopropylbenzene	105	9.306	9.306 (1.162)		1912477		50.0000	51
65 1,1,2,2-Tetrachloroethane	83	9.868	9.868 (1.232)		563785		50.0000	51
66 1,2,3-Trichloropropane	110	9.953	9.953 (1.242)		143249		50.0000	51
67 1,3-Dichlorobenzene	146	10.595	10.595 (1.323)		1121448		50.0000	51
68 1,4-Dichlorobenzene	146	10.681	10.681 (1.333)		1157873		50.0000	50
69 1,2-Dichlorobenzene	146	11.029	11.029 (1.377)		1118875		50.0000	50
70 1,2-Dibromo-3-chloropropane	75	11.665	11.665 (1.456)		113468		50.0000	49
71 1,2,4-Trichlorobenzene	180	12.173	12.173 (1.519)		878585		50.0000	53
\$ 72 Bromofluorobenzene	95	9.579	9.579 (1.196)		706662		50.0000	49
M 73 1,2-Dichloroethene (total)	100				1003006		100.000	100
M 74 Xylene (total)	100				2502091		150.000	160

QC Flag Legend

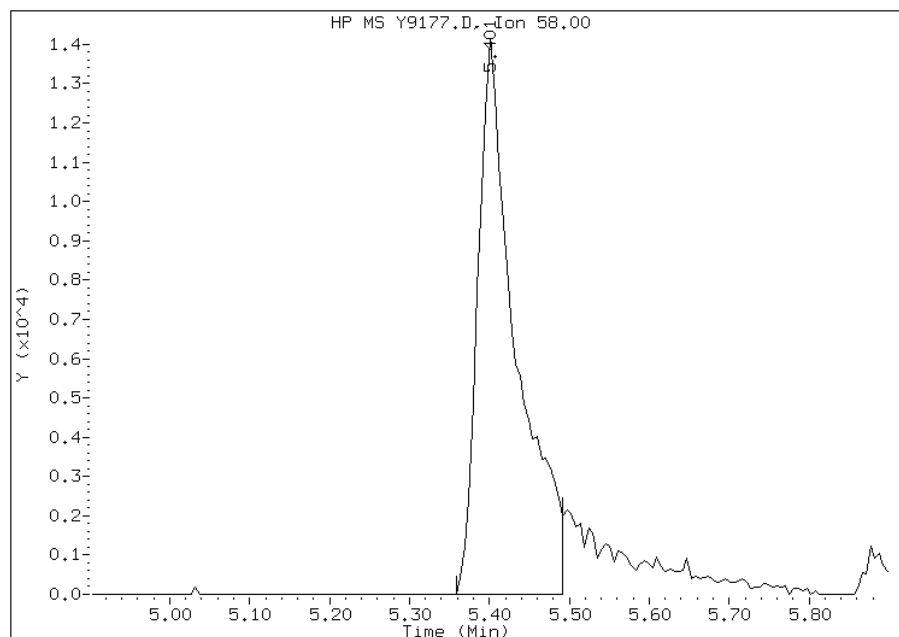
M - Compound response manually integrated.

Manual Integration Report

Data File: Y9177.D
Inj. Date and Time: 17-DEC-2009 21:57
Instrument ID: msy.i
Client ID: IC;50
Compound: 32 1,4-Dioxane
CAS #: 123-91-1
Report Date: 12/18/2009

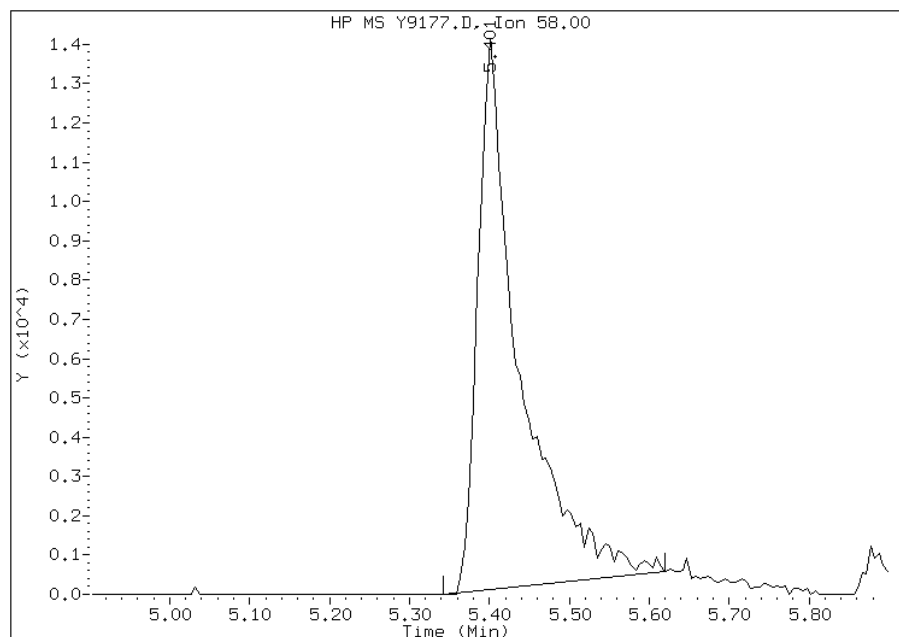
Processing Integration Results

RT: 5.40
Response: 47408
Amount: 581
Conc: 581



Manual Integration Results

RT: 5.40
Response: 51156
Amount: 755
Conc: 755



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

Test America Inc

Volatile Report CLP METHOD OLM 4.2

Data file : \\consrv05\Files\chem\VOA\msy.i\Y099172.b\Y9178.D
Lab Smp Id: IC;20 Client Smp ID: IC;20
Inj Date : 17-DEC-2009 22:23 MS Autotune Date: 23-NOV-2009 10:24
Operator : D. HUMBERT Inst ID: msy.i
Smp Info : IC;20
Misc Info :
Comment :
Method : \\consrv05\Files\chem\VOA\msy.i\Y099172.b\YCLPW42.M
Meth Date : 18-Dec-2009 11:42 msy.i Quant Type: ISTD
Cal Date : 17-DEC-2009 21:57 Cal File: Y9177.D
Als bottle: 100 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1006

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

						AMOUNTS	
		QUANT	SIG			CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====							
* 1 Bromochloromethane	128	3.100	3.100	(1.000)	317341	50.0000	
2 Freon 115	119	0.752	0.752	(0.243)	10148	20.0000	21
3 Dichlorodifluoromethane	85	0.816	0.816	(0.263)	152613	20.0000	21
4 Freon 152a	65	0.816	0.816	(0.263)	87197	20.0000	21
5 Chlorodifluoromethane	51	0.832	0.832	(0.268)	257127	20.0000	21
6 Chloromethane	50	0.907	0.907	(0.293)	196725	20.0000	20
7 Vinyl Chloride	62	0.944	0.944	(0.305)	168430	20.0000	20
8 Bromomethane	94	1.099	1.099	(0.355)	102028	20.0000	21
9 Chloroethane	64	1.164	1.164	(0.375)	84988	20.0000	23
10 Trichlorofluoromethane	101	1.238	1.238	(0.400)	327742	20.0000	21
11 Freon 141	81	1.447	1.447	(0.467)	335478	20.0000	20
12 Freon 123	83	1.538	1.538	(0.496)	289262	20.0000	21
13 Trichlorotrifluoroethane	101	1.527	1.527	(0.493)	204953	20.0000	20
14 1,1-Dichloroethene	96	1.506	1.506	(0.486)	162245	20.0000	20
15 Carbon Disulfide	76	1.517	1.517	(0.489)	508390	20.0000	21
16 Iodomethane	142	1.581	1.581	(0.510)	279407	20.0000	21
17 Methylene Chloride	84	1.848	1.848	(0.596)	195076	20.0000	21
18 Acetone	43	1.880	1.880	(0.607)	55581	20.0000	24
19 Methyl Acetate	43	1.971	1.971	(0.636)	615262	20.0000	20
20 trans-1,2-Dichloroethene	96	1.955	1.955	(0.631)	191767	20.0000	20
21 Methyl tert-Butyl Ether	73	2.041	2.041	(0.658)	395112	20.0000	20
22 Acrolein	56	1.693	1.693	(0.546)	131568	100.000	96

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
23 tert-Butyl alcohol	59		2.121	2.121	(0.684)		55065	100.000	130
24 Acrylonitrile	53		2.453	2.453	(0.791)		131126	40.0000	40
25 1,1-Dichloroethane	63		2.415	2.415	(0.779)		343765	20.0000	20
26 cis-1,2-Dichloroethene	96		2.902	2.902	(0.936)		201911	20.0000	20
27 Chloroform	83		3.202	3.202	(1.033)		355426	20.0000	20
28 Tetrahydrofuran	42		3.346	3.346	(1.079)		79026	40.0000	36
29 2-Butanone	43		3.534	3.534	(1.140)		66105	20.0000	19
30 1,2-Dichloroethane	62		4.015	4.015	(1.295)		270337	20.0000	20
31 Dibromomethane	93		4.914	4.914	(1.585)		139754	20.0000	20
32 1,4-Dioxane	58		5.401	5.401	(1.742)		23946	200.000	300(M)
\$ 33 1,2-Dichloroethane-d4	65		3.940	3.940	(1.271)		226240	20.0000	19
* 34 1,4-Difluorobenzene	114		4.523	4.523	(1.000)		1926730	50.0000	
35 Vinyl Acetate	43		2.656	2.656	(0.587)		293047	20.0000	18
36 1,1,1-Trichloroethane	97		3.394	3.394	(0.750)		289942	20.0000	19
37 Carbon Tetrachloride	117		3.320	3.320	(0.734)		242943	20.0000	19
38 Benzene	78		3.790	3.790	(0.838)		742644	20.0000	20
39 Cyclohexane	56		3.100	3.100	(0.685)		249384	20.0000	19
40 Methyl Cyclohexane	83		4.432	4.432	(0.980)		225755	20.0000	19
41 Trichloroethene	130		4.459	4.459	(0.986)		216885	20.0000	20
42 1,2-Dichloropropane	63		5.031	5.031	(1.112)		196883	20.0000	20
43 Bromodichloromethane	83		5.144	5.144	(1.137)		259887	20.0000	20
44 Methyl Methacrylate	69		5.406	5.406	(1.195)		228094	40.0000	36
45 2-Chloroethylvinylether	63		5.882	5.882	(1.300)		99647	20.0000	17
46 cis-1,3-Dichloropropene	75		5.898	5.898	(1.304)		290401	20.0000	19
47 trans-1,3-Dichloropropene	75		6.717	6.717	(1.485)		253055	20.0000	18
48 1,1,2-Trichloroethane	97		6.893	6.893	(1.524)		174822	20.0000	20
49 Dibromochloromethane	129		7.091	7.091	(1.568)		211531	20.0000	19
50 Bromoform	173		8.921	8.921	(1.972)		142119	20.0000	18
* 51 Chlorobenzene-d5	117		8.011	8.011	(1.000)		1679626	50.0000	
52 Toluene	91		6.171	6.171	(0.770)		820784	20.0000	20
\$ 53 Toluene-d8	98		6.112	6.112	(0.763)		706233	20.0000	19
54 4-Methyl-2-Pentanone	43		6.695	6.695	(0.836)		130629	20.0000	18
55 Tetrachloroethene	164		6.620	6.620	(0.826)		166722	20.0000	20
56 Ethyl Methacrylate	69		7.005	7.005	(0.874)		177284	20.0000	17
57 1,2-Dibromoethane	107		7.321	7.321	(0.914)		189149	20.0000	20
58 2-Hexanone	43		7.760	7.760	(0.969)		80746	20.0000	17
59 Chlorobenzene	112		8.033	8.033	(1.003)		547267	20.0000	20
60 Ethylbenzene	106		8.129	8.129	(1.015)		266370	20.0000	20
61 Xylene (total)mp	106		8.332	8.332	(1.040)		654133	40.0000	40
62 Xylene (total)o	106		8.873	8.873	(1.108)		292802	20.0000	19
63 Styrene	104		8.953	8.953	(1.118)		533619	20.0000	20
64 Isopropylbenzene	105		9.306	9.306	(1.162)		714747	20.0000	19
65 1,1,2,2-Tetrachloroethane	83		9.868	9.868	(1.232)		217810	20.0000	20
66 1,2,3-Trichloropropane	110		9.953	9.953	(1.242)		56382	20.0000	20
67 1,3-Dichlorobenzene	146		10.595	10.595	(1.323)		441791	20.0000	20
68 1,4-Dichlorobenzene	146		10.681	10.681	(1.333)		449937	20.0000	20
69 1,2-Dichlorobenzene	146		11.028	11.028	(1.377)		433371	20.0000	20
70 1,2-Dibromo-3-chloropropane	75		11.665	11.665	(1.456)		41203	20.0000	18
71 1,2,4-Trichlorobenzene	180		12.173	12.173	(1.519)		328446	20.0000	20
\$ 72 Bromofluorobenzene	95		9.584	9.584	(1.196)		258233	20.0000	18
M 73 1,2-Dichloroethene (total)	100						393678	40.0000	40
M 74 Xylene (total)	100						946935	60.0000	59

QC Flag Legend

M - Compound response manually integrated.

Data File: Y9178.D

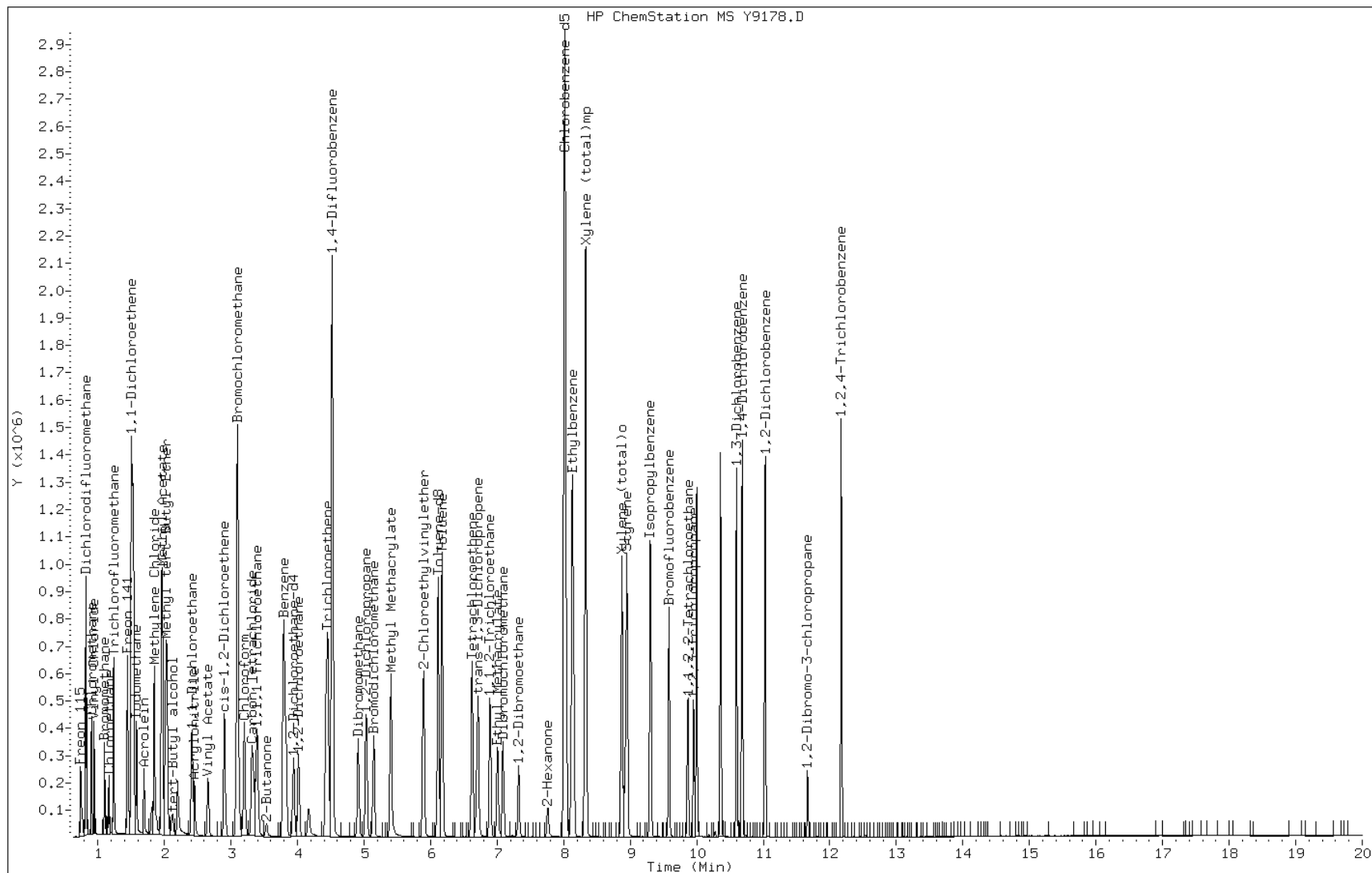
Date: 17-DEC-2009 22:23

Client ID: IC;20

Sample Info: IC;20

Instrument: msy.i

Operator: D. HUMBERT

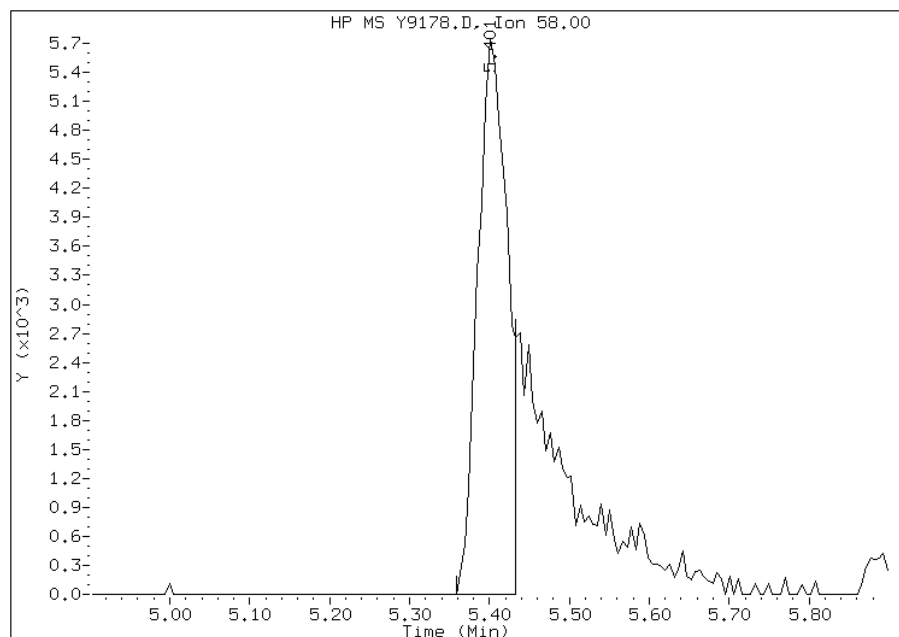


Manual Integration Report

Data File: Y9178.D
Inj. Date and Time: 17-DEC-2009 22:23
Instrument ID: msy.i
Client ID: IC;20
Compound: 32 1,4-Dioxane
CAS #: 123-91-1
Report Date: 12/18/2009

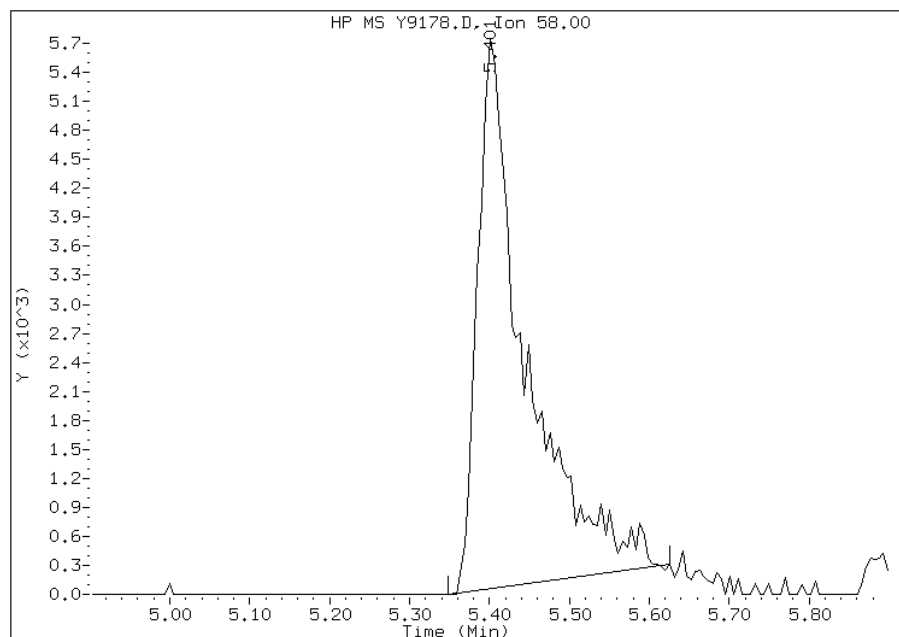
Processing Integration Results

RT: 5.40
Response: 14921
Amount: 194
Conc: 194



Manual Integration Results

RT: 5.40
Response: 23946
Amount: 299
Conc: 299



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

Test America Inc

Volatile Report CLP METHOD OLM 4.2

Data file : \\consrv05\Files\chem\VOA\msy.i\Y099172.b\Y9179.D
 Lab Smp Id: IC;10 Client Smp ID: IC;10
 Inj Date : 17-DEC-2009 22:49 MS Autotune Date: 23-NOV-2009 10:24
 Operator : D. HUMBERT Inst ID: msy.i
 Smp Info : IC;10
 Misc Info :
 Comment :
 Method : \\consrv05\Files\chem\VOA\msy.i\Y099172.b\YCLPW42.M
 Meth Date : 18-Dec-2009 11:42 msy.i Quant Type: ISTD
 Cal Date : 17-DEC-2009 21:57 Cal File: Y9177.D
 Als bottle: 100 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14
 Processing Host: CON1006

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

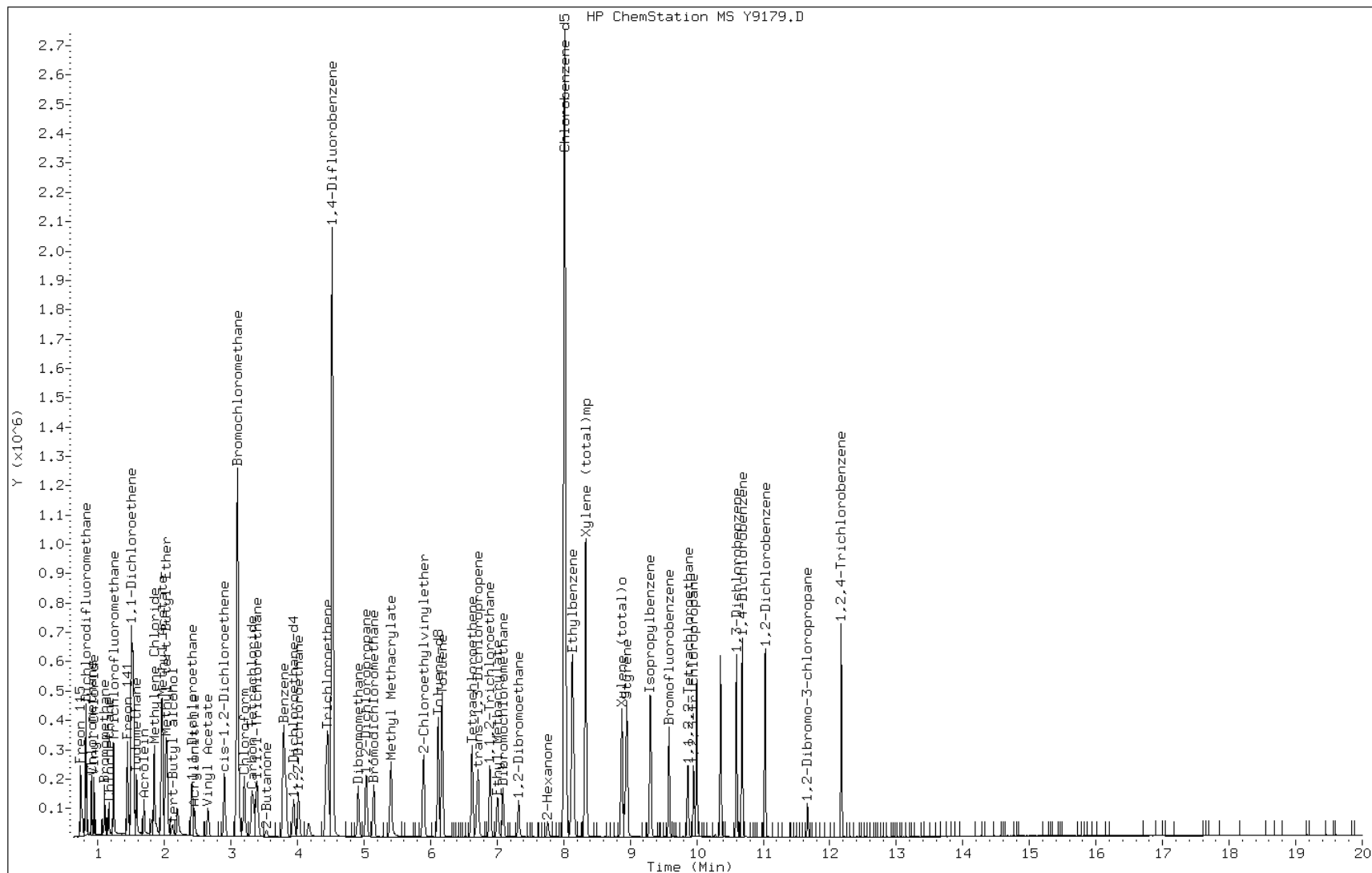
Compounds	QUANT	SIG					AMOUNTS	
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	MASS							
	=====	=====	=====	=====	=====	=====	=====	=====
* 1 Bromochloromethane	128		3.100	3.100 (1.000)		316274	50.0000	
2 Freon 115	119		0.752	0.752 (0.243)		5031	10.0000	10
3 Dichlorodifluoromethane	85		0.816	0.816 (0.263)		69994	10.0000	9
4 Freon 152a	65		0.816	0.816 (0.263)		41118	10.0000	10
5 Chlorodifluoromethane	51		0.832	0.832 (0.268)		114813	10.0000	9
6 Chloromethane	50		0.907	0.907 (0.293)		95189	10.0000	10
7 Vinyl Chloride	62		0.944	0.944 (0.305)		82221	10.0000	10
8 Bromomethane	94		1.099	1.099 (0.355)		51365	10.0000	10
9 Chloroethane	64		1.164	1.164 (0.375)		42320	10.0000	11
10 Trichlorofluoromethane	101		1.238	1.238 (0.400)		160610	10.0000	10
11 Freon 141	81		1.447	1.447 (0.467)		160149	10.0000	10
12 Freon 123	83		1.538	1.538 (0.496)		138715	10.0000	10
13 Trichlorotrifluoroethane	101		1.527	1.527 (0.493)		99809	10.0000	10
14 1,1-Dichloroethene	96		1.506	1.506 (0.486)		80116	10.0000	10
15 Carbon Disulfide	76		1.517	1.517 (0.489)		247342	10.0000	10
16 Iodomethane	142		1.581	1.581 (0.510)		135200	10.0000	10
17 Methylene Chloride	84		1.848	1.848 (0.596)		94502	10.0000	10
18 Acetone	43		1.880	1.880 (0.607)		28057	10.0000	11
19 Methyl Acetate	43		1.971	1.971 (0.636)		297805	10.0000	10
20 trans-1,2-Dichloroethene	96		1.955	1.955 (0.631)		91495	10.0000	10
21 Methyl tert-Butyl Ether	73		2.041	2.041 (0.658)		190786	10.0000	10
22 Acrolein	56		1.693	1.693 (0.546)		63582	50.0000	47

						AMOUNTS	
QUANT SIG						CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====
23 tert-Butyl alcohol	59	2.121	2.121	(0.684)	24735	50.0000	54
24 Acrylonitrile	53	2.453	2.453	(0.791)	64453	20.0000	20
25 1,1-Dichloroethane	63	2.415	2.415	(0.779)	164590	10.0000	10
26 cis-1,2-Dichloroethene	96	2.902	2.902	(0.936)	93904	10.0000	9
27 Chloroform	83	3.202	3.202	(1.033)	171905	10.0000	10
28 Tetrahydrofuran	42	3.352	3.352	(1.081)	38761	20.0000	18
29 2-Butanone	43	3.539	3.539	(1.141)	29837	10.0000	9
30 1,2-Dichloroethane	62	4.015	4.015	(1.295)	130874	10.0000	10
31 Dibromomethane	93	4.914	4.914	(1.585)	67371	10.0000	10
32 1,4-Dioxane	58	5.401	5.401	(1.742)	11119	100.000	120(M)
\$ 33 1,2-Dichloroethane-d4	65	3.940	3.940	(1.271)	103740	10.0000	9
* 34 1,4-Difluorobenzene	114	4.523	4.523	(1.000)	1890136	50.0000	
35 Vinyl Acetate	43	2.656	2.656	(0.587)	132096	10.0000	8
36 1,1,1-Trichloroethane	97	3.389	3.389	(0.749)	135879	10.0000	9
37 Carbon Tetrachloride	117	3.319	3.319	(0.734)	118020	10.0000	10
38 Benzene	78	3.790	3.790	(0.838)	354489	10.0000	10
39 Cyclohexane	56	3.095	3.095	(0.684)	114417	10.0000	9
40 Methyl Cyclohexane	83	4.432	4.432	(0.980)	100657	10.0000	9
41 Trichloroethene	130	4.459	4.459	(0.986)	101431	10.0000	10
42 1,2-Dichloropropane	63	5.031	5.031	(1.112)	93373	10.0000	10
43 Bromodichloromethane	83	5.144	5.144	(1.137)	123133	10.0000	10
44 Methyl Methacrylate	69	5.406	5.406	(1.195)	99067	20.0000	16
45 2-Chloroethylvinylether	63	5.882	5.882	(1.300)	43191	10.0000	8
46 cis-1,3-Dichloropropene	75	5.898	5.898	(1.304)	132098	10.0000	9
47 trans-1,3-Dichloropropene	75	6.711	6.711	(1.484)	112035	10.0000	8
48 1,1,2-Trichloroethane	97	6.893	6.893	(1.524)	85231	10.0000	10
49 Dibromochloromethane	129	7.091	7.091	(1.568)	98744	10.0000	9
50 Bromoform	173	8.921	8.921	(1.972)	66522	10.0000	9
* 51 Chlorobenzene-d5	117	8.011	8.011	(1.000)	1639381	50.0000	
52 Toluene	91	6.171	6.171	(0.770)	383905	10.0000	10
\$ 53 Toluene-d8	98	6.112	6.112	(0.763)	305257	10.0000	8
54 4-Methyl-2-Pentanone	43	6.695	6.695	(0.836)	58336	10.0000	8
55 Tetrachloroethene	164	6.620	6.620	(0.826)	80556	10.0000	10
56 Ethyl Methacrylate	69	7.011	7.011	(0.875)	74513	10.0000	8
57 1,2-Dibromoethane	107	7.321	7.321	(0.914)	88587	10.0000	10
58 2-Hexanone	43	7.760	7.760	(0.969)	35683	10.0000	8
59 Chlorobenzene	112	8.033	8.033	(1.003)	265287	10.0000	10
60 Ethylbenzene	106	8.124	8.124	(1.014)	122686	10.0000	9
61 Xylene (total)mp	106	8.332	8.332	(1.040)	302769	20.0000	19
62 Xylene (total)o	106	8.872	8.872	(1.108)	130418	10.0000	9
63 Styrene	104	8.947	8.947	(1.117)	241501	10.0000	9
64 Isopropylbenzene	105	9.300	9.300	(1.161)	319039	10.0000	9
65 1,1,2,2-Tetrachloroethane	83	9.868	9.868	(1.232)	103516	10.0000	10
66 1,2,3-Trichloropropane	110	9.953	9.953	(1.242)	26372	10.0000	10
67 1,3-Dichlorobenzene	146	10.595	10.595	(1.323)	203471	10.0000	10
68 1,4-Dichlorobenzene	146	10.681	10.681	(1.333)	207232	10.0000	9
69 1,2-Dichlorobenzene	146	11.028	11.028	(1.377)	198504	10.0000	9
70 1,2-Dibromo-3-chloropropane	75	11.665	11.665	(1.456)	19609	10.0000	9
71 1,2,4-Trichlorobenzene	180	12.173	12.173	(1.520)	151082	10.0000	9
\$ 72 Bromofluorobenzene	95	9.579	9.579	(1.196)	112478	10.0000	8
M 73 1,2-Dichloroethene (total)	100				185399	20.0000	19
M 74 Xylene (total)	100				433187	30.0000	28

QC Flag Legend

M - Compound response manually integrated.

Operator: D. HUMBERT

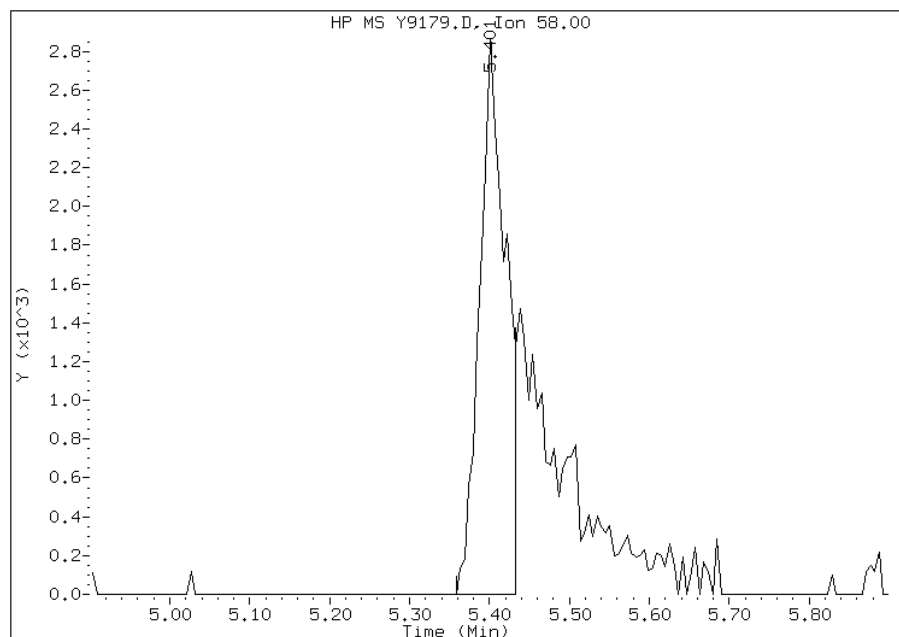


Manual Integration Report

Data File: Y9179.D
Inj. Date and Time: 17-DEC-2009 22:49
Instrument ID: msy.i
Client ID: IC;10
Compound: 32 1,4-Dioxane
CAS #: 123-91-1
Report Date: 12/18/2009

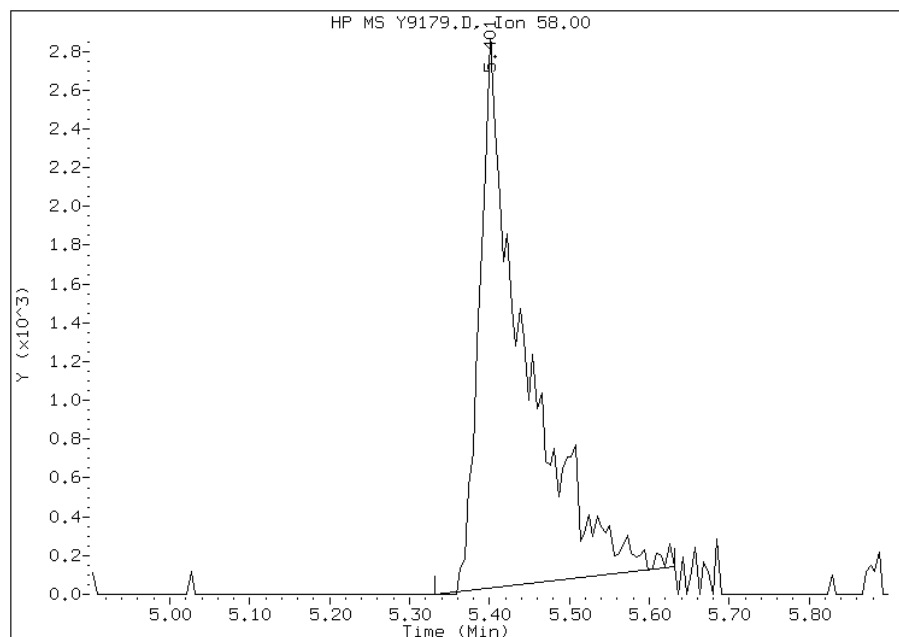
Processing Integration Results

RT: 5.40
Response: 6613
Amount: 91
Conc: 91



Manual Integration Results

RT: 5.40
Response: 11119
Amount: 124
Conc: 124



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
 SDG No.: 220-11150
 Lab Sample ID: CCVIS 220-34907/1 Calibration Date: 12/30/2009 10:11
 Instrument ID: MSY Calib Start Date: 12/17/2009 21:04
 GC Column: RTX-VMS ID: 0.18 (mm) Calib End Date: 12/17/2009 22:49
 Lab File ID: Y9416.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
Monochloropentafluoroethane	Ave	0.0778	0.0814		52.3	50.0	4.6	
1,1-Difluoroethane	Ave	0.6651	0.6545		49.2	50.0	-1.6	
Dichlorodifluoromethane	Ave	1.162	1.210	0.0100	52.1	50.0	4.1	
Chlorodifluoromethane	Ave	1.938	2.060		53.1	50.0	6.3	
Chloromethane	Ave	1.528	1.464	0.0100	47.9	50.0	-4.2	
Vinyl chloride	Ave	1.317	1.265	0.1000	48.0	50.0	-3.9	25.0
Bromomethane	Ave	0.7798	0.8601	0.1000	55.1	50.0	10.3	25.0
Chloroethane	Ave	0.6208	0.6289	0.0100	50.7	50.0	1.3	
Trichlorofluoromethane	Ave	2.518	2.599	0.0100	51.6	50.0	3.2	
1,1-Dichloro-1-fluoroethane	Ave	2.610	2.607		49.9	50.0	-0.1	
1,1-Dichloroethene	Ave	1.264	1.244	0.1000	49.2	50.0	-1.5	25.0
Carbon disulfide	Ave	3.908	3.652	0.0100	46.7	50.0	-6.6	
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.591	1.586	0.0100	49.9	50.0	-0.3	
1,1,1-Trifluoro-2,2-dichloroethane	Ave	2.221	2.180		49.1	50.0	-1.8	
Iodomethane	Ave	2.103	1.743		41.5	50.0	-17.1	
Acrolein	Ave	0.2116	0.2041		242	250	-3.5	
Methylene Chloride	Ave	1.488	1.417	0.0100	47.6	50.0	-4.8	
Acetone	Ave	0.3982	0.6527	0.0100	82.0	50.0	63.9	
trans-1,2-Dichloroethene	Ave	1.482	1.415	0.0100	47.7	50.0	-4.5	
Methyl acetate	Ave	4.740	5.190	0.0100	54.7	50.0	9.5	
Methyl tert-butyl ether	Ave	3.111	3.011	0.0100	48.4	50.0	-3.2	
2-Methyl-2-propanol	Ave	0.0740	0.0790		267	250	6.7	
1,1-Dichloroethane	Ave	2.663	2.482	0.2000	46.6	50.0	-6.8	25.0
Acrylonitrile	Ave	0.5175	0.5448		105	100	5.3	
Vinyl acetate	Ave	0.4037	0.4438		54.9	50.0	9.9	
cis-1,2-Dichloroethene	Ave	1.588	1.471	0.0100	46.3	50.0	-7.3	
Cyclohexane	Ave	0.3282	0.3121	0.0100	47.5	50.0	-4.9	
Chloroform	Ave	2.782	2.712	0.2000	48.7	50.0	-2.5	25.0
Carbon tetrachloride	Ave	0.3213	0.3378	0.1000	52.6	50.0	5.1	25.0
Tetrahydrofuran	Ave	0.3305	0.3504		106	100	6.0	
1,1,1-Trichloroethane	Ave	0.3800	0.3960	0.1000	52.1	50.0	4.2	25.0
2-Butanone (MEK)	Ave	0.5250	0.6870	0.0100	65.4	50.0	30.9	
Benzene	Ave	0.9517	0.9267	0.5000	48.7	50.0	-2.6	25.0
1,2-Dichloroethane	Ave	2.112	2.144	0.1000	50.8	50.0	1.5	25.0
Methylcyclohexane	Ave	0.2986	0.2758	0.0100	46.2	50.0	-7.6	
Trichloroethene	Ave	0.2753	0.2793*	0.3000	50.7	50.0	1.4	25.0
Dibromomethane	Ave	1.093	1.085		49.6	50.0	-0.7	
1,2-Dichloropropane	Ave	0.2541	0.2417	0.0100	47.6	50.0	-4.9	
Dichlorobromomethane	Ave	0.3377	0.3489	0.2000	51.7	50.0	3.3	25.0
1,4-Dioxane	Ave	0.0149	0.0109		365	499	-26.8	

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
 SDG No.: 220-11150
 Lab Sample ID: CCVIS 220-34907/1 Calibration Date: 12/30/2009 10:11
 Instrument ID: MSY Calib Start Date: 12/17/2009 21:04
 GC Column: RTX-VMS ID: 0.18 (mm) Calib End Date: 12/17/2009 22:49
 Lab File ID: Y9416.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 methacrylate	Ave	0.1531	0.1685		110	100	10.0	
2-Chloroethyl vinyl ether	Ave	0.1378	0.1534		55.6	49.9	11.3	
cis-1,3-Dichloropropene	Ave	0.3789	0.3747	0.2000	49.4	50.0	-1.1	25.0
Toluene	Ave	1.197	1.247	0.4000	52.1	50.0	4.2	25.0
Tetrachloroethene	Ave	0.2440	0.2441	0.2000	50.0	50.0	0.0	25.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2045	0.2416	0.0100	59.1	50.0	18.1	
trans-1,3-Dichloropropene	Ave	0.3394	0.3514	0.1000	51.8	50.0	3.5	25.0
1,1,2-Trichloroethane	Ave	0.2265	0.2362	0.1000	52.1	50.0	4.3	25.0
Ethyl methacrylate	Ave	0.2870	0.3032		52.8	50.0	5.6	
Chlorodibromomethane	Ave	0.2796	0.2995	0.1000	53.6	50.0	7.1	25.0
Ethylene Dibromide	Ave	0.2801	0.2920	0.0100	52.1	50.0	4.3	
2-Hexanone	Ave	0.1317	0.1759	0.0100	66.8	50.0	33.5	
Chlorobenzene	Ave	0.8018	0.8306	0.5000	51.8	50.0	3.6	25.0
Ethylbenzene	Ave	0.3960	0.4120	0.1000	52.0	50.0	4.1	25.0
m-Xylene & p-Xylene	Ave	0.4810	0.5016	0.3000	104	100	4.3	25.0
o-Xylene	Ave	0.4460	0.4539	0.3000	50.9	50.0	1.8	25.0
Bromoform	Ave	0.1935	0.2204	0.1000	57.0	50.0	13.9	25.0
Styrene	Ave	0.7908	0.8298	0.3000	52.5	50.0	4.9	25.0
Isopropylbenzene	Ave	1.071	1.099	0.0100	51.3	50.0	2.6	
1,1,2,2-Tetrachloroethane	Ave	0.3234	0.3739	0.3000	57.8	50.0	15.6	25.0
1,2,3-Trichloropropane	Ave	0.0829	0.0977		58.9	50.0	17.8	
1,3-Dichlorobenzene	Ave	0.6460	0.6548	0.6000	50.7	50.0	1.4	25.0
1,4-Dichlorobenzene	Ave	0.6653	0.6827	0.5000	51.3	50.0	2.6	25.0
1,2-Dichlorobenzene	Ave	0.6431	0.6549	0.4000	50.9	50.0	1.8	25.0
1,2-Dibromo-3-Chloropropane	Ave	0.0647	0.0761	0.0100	58.8	50.0	17.5	
1,2,4-Trichlorobenzene	Ave	0.4877	0.4139	0.2000	42.4	50.0	-15.1	25.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.828	1.751	0.0100	47.9	50.0	-4.2	
Toluene-d8 (Surr)	Ave	1.068	1.029	0.0100	48.2	50.0	-3.7	
4-Bromofluorobenzene	Ave	0.3968	0.3673	0.2000	46.3	50.0	-7.4	25.0

Test America Inc

Volatile Report CLP METHOD OLM 4.2

Data file : \\consrv05\Files\chem\VOA\msy.i\Y099415.b\Y9416.D
 Lab Smp Id: CCVIS Client Smp ID: CCVIS
 Inj Date : 30-DEC-2009 10:11 MS Autotune Date: 23-NOV-2009 10:24
 Operator : D. HUMBERT Inst ID: msy.i
 Smp Info : CCVIS
 Misc Info :
 Comment :
 Method : \\consrv05\Files\chem\VOA\msy.i\Y099415.b\YCLPW42.m
 Meth Date : 30-Dec-2009 10:34 dave Quant Type: ISTD
 Cal Date : 30-DEC-2009 10:11 Cal File: Y9416.D
 Als bottle: 100 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14
 Processing Host: CON1006

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						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
* 1 Bromochloromethane	128		3.100	3.100 (1.000)		274211	50.0000	
2 Freon 115	119		0.752	0.752 (0.243)		22316	50.0000	52
3 Dichlorodifluoromethane	85		0.816	0.816 (0.263)		331680	50.0000	52
4 Freon 152a	65		0.816	0.816 (0.263)		179475	50.0000	49
5 Chlorodifluoromethane	51		0.832	0.832 (0.268)		564756	50.0000	53
6 Chloromethane	50		0.907	0.907 (0.293)		401515	50.0000	48
7 Vinyl Chloride	62		0.944	0.944 (0.305)		346856	50.0000	48
8 Bromomethane	94		1.100	1.100 (0.355)		235841	50.0000	55
9 Chloroethane	64		1.164	1.164 (0.375)		172450	50.0000	51
10 Trichlorofluoromethane	101		1.233	1.233 (0.398)		712553	50.0000	52
11 Freon 141	81		1.447	1.447 (0.467)		714869	50.0000	50
12 Freon 123	83		1.538	1.538 (0.496)		597863	50.0000	49
13 Trichlorotrifluoroethane	101		1.527	1.527 (0.493)		434956	50.0000	50
14 1,1-Dichloroethene	96		1.501	1.501 (0.484)		341147	50.0000	49
15 Carbon Disulfide	76		1.517	1.517 (0.489)		1001375	50.0000	47
16 Iodomethane	142		1.581	1.581 (0.510)		478078	50.0000	41
17 Methylene Chloride	84		1.848	1.848 (0.596)		388529	50.0000	48
18 Acetone	43		1.886	1.886 (0.608)		178978	50.0000	82
19 Methyl Acetate	43		1.972	1.972 (0.636)		1423160	50.0000	55
20 trans-1,2-Dichloroethene	96		1.955	1.955 (0.631)		388014	50.0000	48
21 Methyl tert-Butyl Ether	73		2.041	2.041 (0.658)		825781	50.0000	48
22 Acrolein	56		1.693	1.693 (0.546)		280273	250.000	240

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	=====	=====	=====	=====		=====	=====
23 tert-Butyl alcohol	59	2.127	2.127 (0.686)		108241		250.000	270
24 Acrylonitrile	53	2.453	2.453 (0.791)		298788		100.000	100
25 1,1-Dichloroethane	63	2.416	2.416 (0.779)		680616		50.0000	47
26 cis-1,2-Dichloroethene	96	2.902	2.902 (0.936)		403432		50.0000	46
27 Chloroform	83	3.202	3.202 (1.033)		743651		50.0000	49
28 Tetrahydrofuran	42	3.352	3.352 (1.081)		192185		100.000	110
29 2-Butanone	43	3.534	3.534 (1.140)		188392		50.0000	65
30 1,2-Dichloroethane	62	4.015	4.015 (1.295)		587957		50.0000	51
31 Dibromomethane	93	4.914	4.914 (1.585)		297502		50.0000	50
32 1,4-Dioxane	58	5.406	5.406 (1.744)		29756		500.000	360
\$ 33 1,2-Dichloroethane-d4	65	3.940	3.940 (1.271)		480203		50.0000	48
* 34 1,4-Difluorobenzene	114	4.523	4.523 (1.000)		1598549		50.0000	
35 Vinyl Acetate	43	2.656	2.656 (0.587)		708959		50.0000	55
36 1,1,1-Trichloroethane	97	3.389	3.389 (0.749)		633088		50.0000	52
37 Carbon Tetrachloride	117	3.320	3.320 (0.734)		539981		50.0000	52
38 Benzene	78	3.790	3.790 (0.838)		1481297		50.0000	49
39 Cyclohexane	56	3.095	3.095 (0.684)		498928		50.0000	48
40 Methyl Cyclohexane	83	4.432	4.432 (0.980)		440806		50.0000	46
41 Trichloroethene	130	4.459	4.459 (0.986)		446441		50.0000	51
42 1,2-Dichloropropane	63	5.037	5.037 (1.114)		386282		50.0000	48
43 Bromodichloromethane	83	5.144	5.144 (1.137)		557726		50.0000	52
44 Methyl Methacrylate	69	5.406	5.406 (1.195)		538562		100.000	110
45 2-Chloroethylvinylether	63	5.888	5.888 (1.302)		244757		50.0000	56
46 cis-1,3-Dichloropropene	75	5.898	5.898 (1.304)		598926		50.0000	49
47 trans-1,3-Dichloropropene	75	6.717	6.717 (1.485)		561648		50.0000	52
48 1,1,2-Trichloroethane	97	6.893	6.893 (1.524)		377542		50.0000	52
49 Dibromochloromethane	129	7.091	7.091 (1.568)		478826		50.0000	54
50 Bromoform	173	8.921	8.921 (1.972)		352364		50.0000	57
* 51 Chlorobenzene-d5	117	8.017	8.017 (1.000)		1375508		50.0000	
52 Toluene	91	6.171	6.171 (0.770)		1714733		50.0000	52
\$ 53 Toluene-d8	98	6.112	6.112 (0.762)		1415466		50.0000	48
54 4-Methyl-2-Pentanone	43	6.695	6.695 (0.835)		332375		50.0000	59
55 Tetrachloroethene	164	6.626	6.626 (0.827)		335775		50.0000	50
56 Ethyl Methacrylate	69	7.006	7.006 (0.874)		417015		50.0000	53
57 1,2-Dibromoethane	107	7.321	7.321 (0.913)		401706		50.0000	52
58 2-Hexanone	43	7.765	7.765 (0.969)		241906		50.0000	67
59 Chlorobenzene	112	8.033	8.033 (1.002)		1142471		50.0000	52
60 Ethylbenzene	106	8.129	8.129 (1.014)		566765		50.0000	52
61 Xylene (total)mp	106	8.332	8.332 (1.039)		1379932		100.000	100
62 Xylene (total)o	106	8.873	8.873 (1.107)		624377		50.0000	51
63 Styrene	104	8.953	8.953 (1.117)		1141378		50.0000	52
64 Isopropylbenzene	105	9.306	9.306 (1.161)		1511485		50.0000	51
65 1,1,2,2-Tetrachloroethane	83	9.868	9.868 (1.231)		514328		50.0000	58
66 1,2,3-Trichloropropane	110	9.953	9.953 (1.242)		134324		50.0000	59
67 1,3-Dichlorobenzene	146	10.601	10.601 (1.322)		900615		50.0000	51
68 1,4-Dichlorobenzene	146	10.681	10.681 (1.332)		939007		50.0000	51
69 1,2-Dichlorobenzene	146	11.029	11.029 (1.376)		900785		50.0000	51
70 1,2-Dibromo-3-chloropropane	75	11.665	11.665 (1.455)		104663		50.0000	59
71 1,2,4-Trichlorobenzene	180	12.173	12.173 (1.518)		569260		50.0000	42
\$ 72 Bromofluorobenzene	95	9.584	9.584 (1.196)		505275		50.0000	46
M 73 1,2-Dichloroethene (total)	100				791446		100.000	94
M 74 Xylene (total)	100				2004309		150.000	160

Test America Inc

Data file : \\consrv05\Files\chem\VOA\msy.i\Y099172.b\YB242.D
 Lab Smp Id: BFB Client Smp ID: BFB
 Inj Date : 17-DEC-2009 18:11 MS Autotune Date: 23-NOV-2009 10:24
 Operator : D. HUMBERT Inst ID: msy.i
 Smp Info : BFB
 Misc Info :
 Comment :
 Method : \\consrv05\Files\chem\VOA\msy.i\Y099172.b\YBFBOLM4.m
 Meth Date : 16-Jan-2009 12:33 Quant Type: ISTD
 Cal Date : Cal File:
 Als bottle: 5 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CON1006

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	REL RT	MASS	RESPONSE	(ug/L)	(ug/Kg)	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 bfb			CAS #: 460-00-4					
2.325	2.500 (0.000)	95	439936				0.00- 100.00	100.00
2.325	2.500 (0.000)	50	73240				15.00- 40.00	16.65
2.325	2.500 (0.000)	75	205248				30.00- 60.00	46.65
2.325	2.500 (0.000)	96	31008				5.00- 9.00	7.05
2.325	2.500 (0.000)	173	2361				0.00- 2.00	0.60
2.325	2.500 (0.000)	174	392320				50.00- 100.00	89.18
2.325	2.500 (0.000)	175	28384				5.00- 9.00	7.23
2.325	2.500 (0.000)	176	381504				95.00- 101.00	97.24
2.325	2.500 (0.000)	177	24952				5.00- 9.00	6.54

Data File: YB242.D

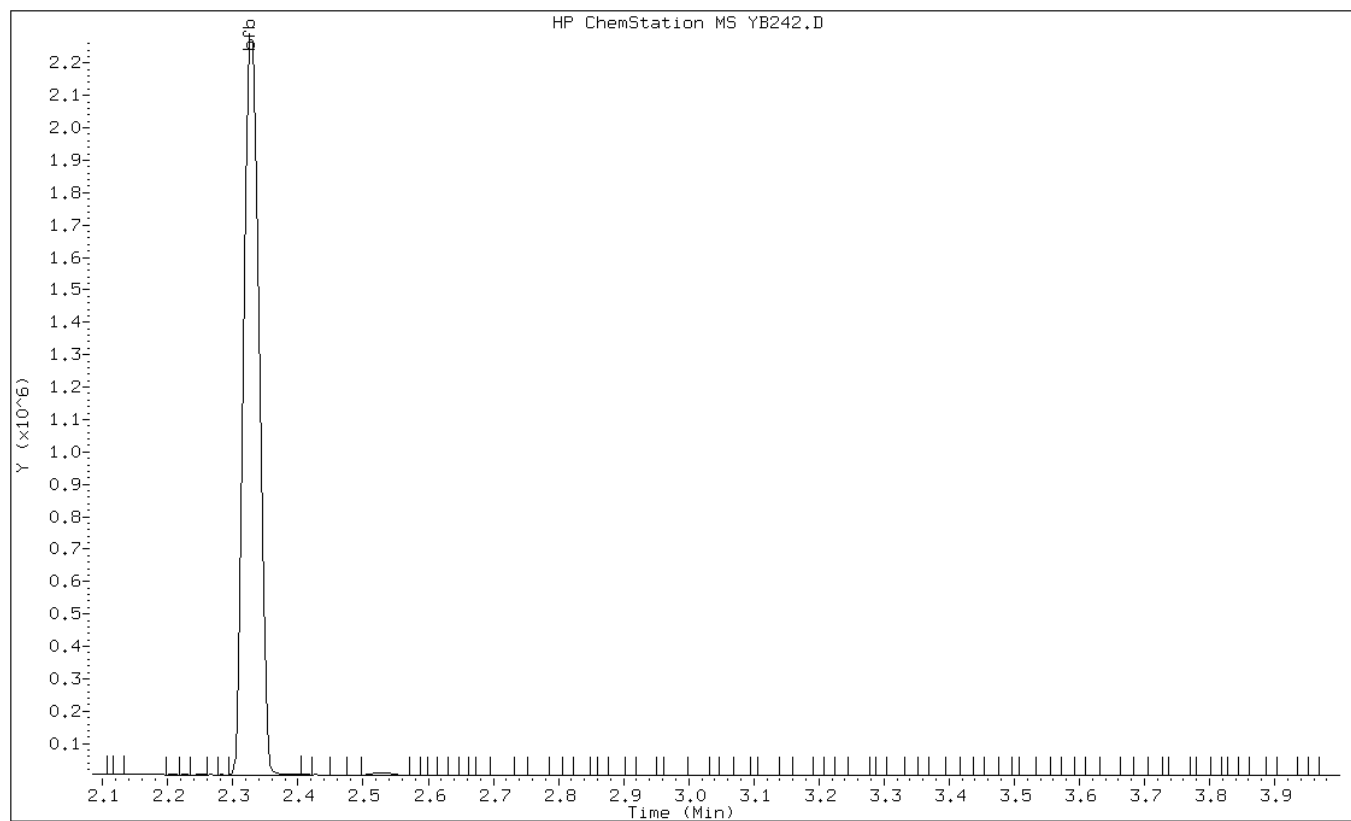
Date: 17-DEC-2009 18:11

Client ID: BFB

Instrument: msy.i

Sample Info: BFB

Operator: D. HUMBERT



Data File: YB242.D

Date: 17-DEC-2009 18:11

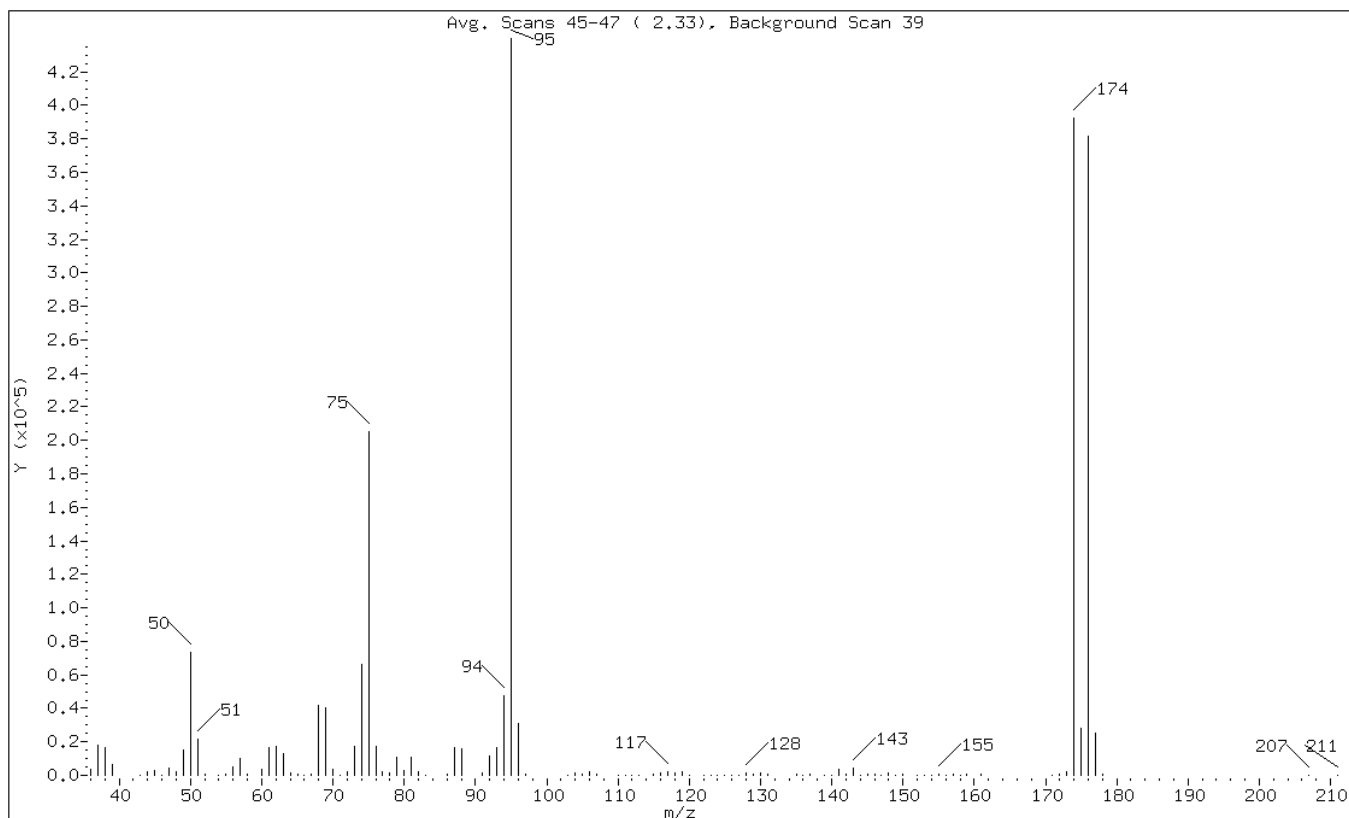
Client ID: BFB

Instrument: msy.i

Sample Info: BFB

Operator: D. HUMBERT

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	16.65
75	30.00 - 60.00% of mass 95	46.65
96	5.00 - 9.00% of mass 95	7.05
173	Less than 2.00% of mass 174	0.54 (0.60)
174	50.00 - 100.00% of mass 95	89.18
175	5.00 - 9.00% of mass 174	6.45 (7.23)
176	95.00 - 101.00% of mass 174	86.72 (97.24)
177	5.00 - 9.00% of mass 176	5.67 (6.54)

Data File: YB242.D

Date: 17-DEC-2009 18:11

Client ID: BFB

Instrument: msy.i

Sample Info: BFB

Operator: D. HUMBERT

Data File: \\consrv05\Files\chem\VOA\msy.i\Y099172.b\YB242.D
Spectrum: Avg. Scans 45-47 (2.33), Background Scan 39
Location of Maximum: 95.00
Number of points: 112

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3251	70.00	3276	110.00	213	145.00	428
37.00	17912	71.00	159	111.00	279	146.00	647
38.00	16337	72.00	2006	112.00	208	147.00	211
39.00	6283	73.00	17312	113.00	300	148.00	1105
43.00	244	74.00	66584	115.00	428	149.00	298
44.00	1821	75.00	205248	116.00	1357	150.00	439
45.00	3235	76.00	17152	117.00	2452	152.00	189
46.00	235	77.00	2334	118.00	1449	153.00	344
47.00	3997	78.00	1546	119.00	2152	154.00	286
48.00	2172	79.00	10445	120.00	67	155.00	1054
49.00	15216	80.00	2705	122.00	82	156.00	343
50.00	73240	81.00	10828	123.00	61	157.00	864
51.00	21840	82.00	2023	124.00	248	158.00	278
52.00	1006	83.00	225	125.00	196	159.00	544
54.00	39	86.00	512	126.00	137	161.00	505
55.00	960	87.00	16600	127.00	131	171.00	87
56.00	5120	88.00	15501	128.00	1367	172.00	912
57.00	10278	91.00	1412	129.00	771	173.00	2361
58.00	464	92.00	11389	130.00	1360	174.00	392320
60.00	3541	93.00	16688	131.00	548	175.00	28384
61.00	16648	94.00	47312	135.00	737	176.00	381504
62.00	17336	95.00	439936	136.00	128	177.00	24952
63.00	13193	96.00	31008	137.00	748	178.00	712
64.00	1542	97.00	808	139.00	151	207.00	37
65.00	557	103.00	196	140.00	249	211.00	47
66.00	103	104.00	1779	141.00	3816		
67.00	986	105.00	511	142.00	497		
68.00	41504	106.00	1831	143.00	4365		
69.00	40640	107.00	444	144.00	228		

Test America Inc

Data file : \\consrv05\Files\chem\VOA\msy.i\Y099415.b\YB253.D
 Lab Smp Id: BFB Client Smp ID: BFB
 Inj Date : 30-DEC-2009 09:44 MS Autotune Date: 23-NOV-2009 10:24
 Operator : D. HUMBERT Inst ID: msy.i
 Smp Info : BFB
 Misc Info :
 Comment :
 Method : \\consrv05\Files\chem\VOA\msy.i\Y099415.b\YBFBOLM4.m
 Meth Date : 16-Jan-2009 12:33 Quant Type: ISTD
 Cal Date : Cal File:
 Als bottle: 6 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: CON1006

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	REL RT	MASS	RESPONSE	(ug/L)	(ug/Kg)	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 bfb			CAS #: 460-00-4					
2.325	2.500 (0.000)		95	412352			0.00- 100.00	100.00
2.325	2.500 (0.000)		50	70096			15.00- 40.00	17.00
2.325	2.500 (0.000)		75	193664			30.00- 60.00	46.97
2.325	2.500 (0.000)		96	28392			5.00- 9.00	6.89
2.325	2.500 (0.000)		173	2227			0.00- 2.00	0.61
2.325	2.500 (0.000)		174	366784			50.00- 100.00	88.95
2.325	2.500 (0.000)		175	25608			5.00- 9.00	6.98
2.325	2.500 (0.000)		176	357888			95.00- 101.00	97.57
2.325	2.500 (0.000)		177	22496			5.00- 9.00	6.29

Data File: YB253.D

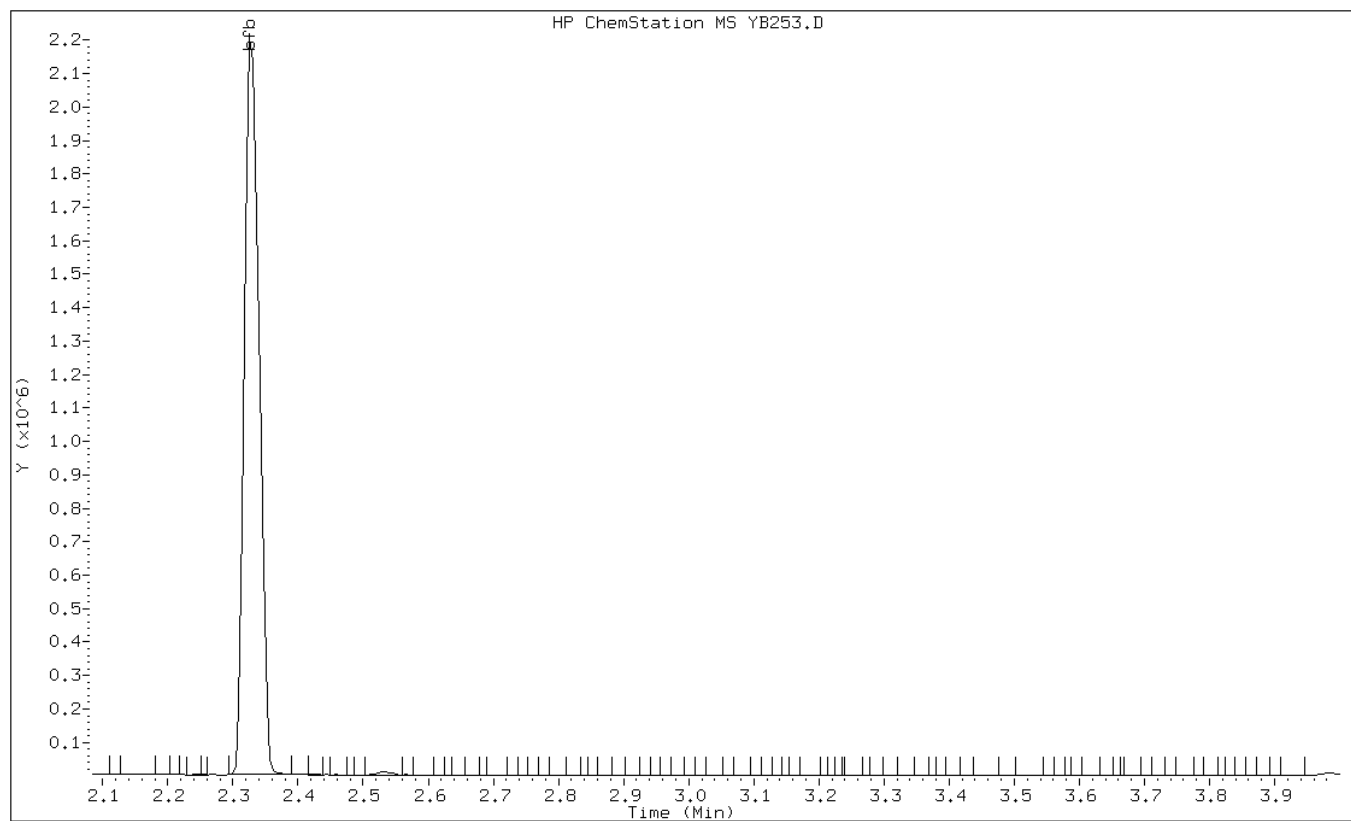
Date: 30-DEC-2009 09:44

Client ID: BFB

Instrument: msy.i

Sample Info: BFB

Operator: D. HUMBERT



Data File: YB253.D

Date: 30-DEC-2009 09:44

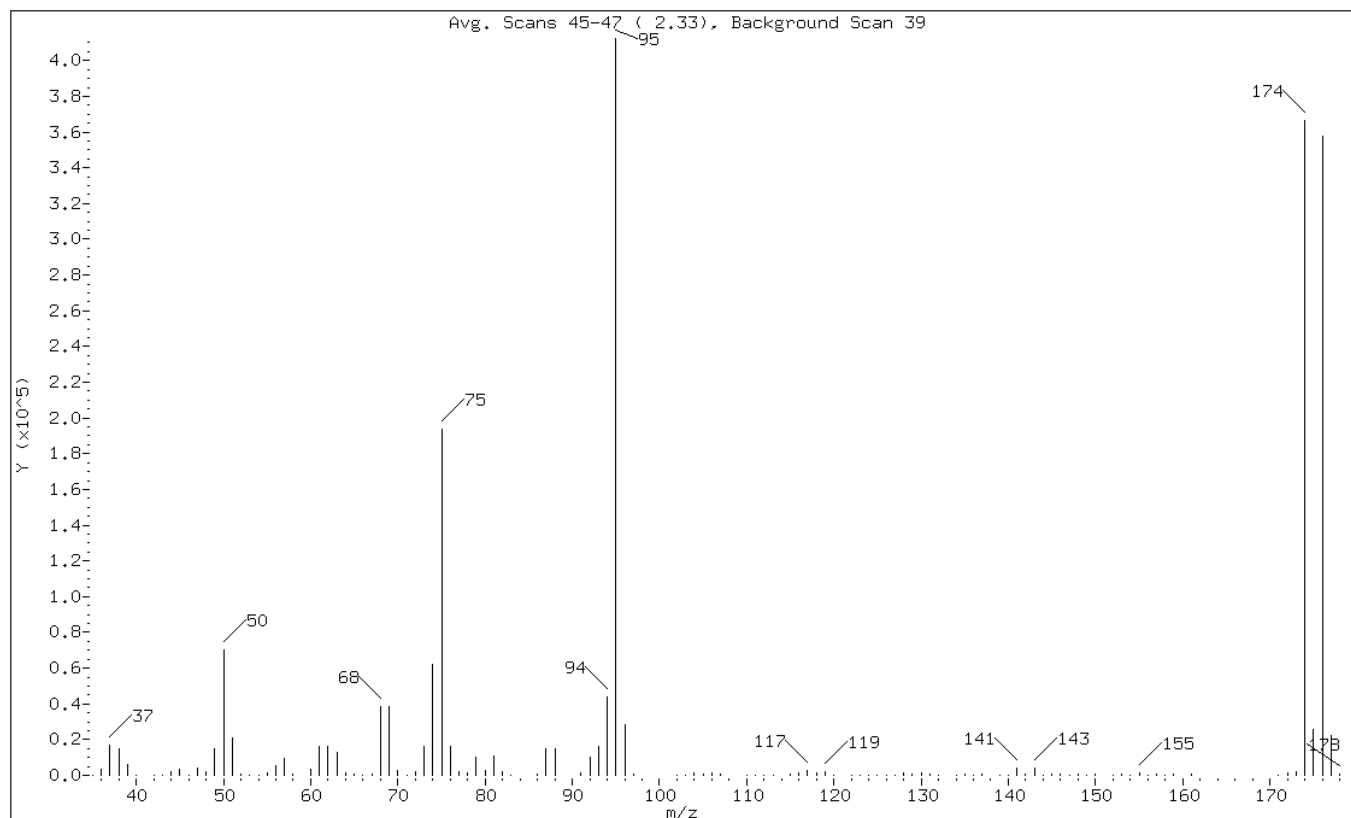
Client ID: BFB

Instrument: msy.i

Sample Info: BFB

Operator: D. HUMBERT

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	17.00
75	30.00 - 60.00% of mass 95	46.97
96	5.00 - 9.00% of mass 95	6.89
173	Less than 2.00% of mass 174	0.54 (0.61)
174	50.00 - 100.00% of mass 95	88.95
175	5.00 - 9.00% of mass 174	6.21 (6.98)
176	95.00 - 101.00% of mass 174	86.79 (97.57)
177	5.00 - 9.00% of mass 176	5.46 (6.29)

Data File: YB253.D

Date: 30-DEC-2009 09:44

Client ID: BFB

Instrument: msy.i

Sample Info: BFB

Operator: D. HUMBERT

Data File: \\consrv05\files\chem\VOA\msy.i\Y099415.b\YB253.D
Spectrum: Avg. Scans 45-47 (2.33), Background Scan 39
Location of Maximum: 95.00
Number of points: 117

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	54	67.00	867	105.00	482	141.00	3733
36.00	3044	68.00	38248	106.00	1575	142.00	522
37.00	16832	69.00	38200	107.00	385	143.00	4200
38.00	14559	70.00	3020	110.00	285	144.00	202
39.00	5823	71.00	119	111.00	275	145.00	807
40.00	109	72.00	1918	112.00	280	146.00	613
42.00	74	73.00	16160	113.00	280	147.00	226
43.00	227	74.00	62000	115.00	405	148.00	945
44.00	1732	75.00	193664	116.00	1263	149.00	270
45.00	3177	76.00	15888	117.00	2575	150.00	437
46.00	236	77.00	2261	118.00	1396	152.00	160
47.00	4010	78.00	1379	119.00	2035	153.00	381
48.00	1968	79.00	10193	120.00	50	154.00	279
49.00	14772	80.00	2683	122.00	39	155.00	1106
50.00	70096	81.00	10461	123.00	167	156.00	270
51.00	21192	82.00	1899	124.00	238	157.00	923
52.00	786	83.00	290	125.00	103	158.00	230
53.00	159	86.00	437	126.00	141	159.00	441
54.00	71	87.00	15046	127.00	182	161.00	482
55.00	1040	88.00	14517	128.00	1262	171.00	172
56.00	5274	91.00	1107	129.00	618	172.00	1191
57.00	9580	92.00	10098	130.00	1422	173.00	2227
58.00	445	93.00	16203	131.00	496	174.00	366784
60.00	3415	94.00	44120	132.00	40	175.00	25608
61.00	16024	95.00	412352	134.00	91	176.00	357888
62.00	16456	96.00	28392	135.00	666	177.00	22496
63.00	12592	97.00	809	136.00	91	178.00	728
64.00	1472	102.00	43	137.00	623		
65.00	817	103.00	108	139.00	210		
66.00	136	104.00	1548	140.00	271		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
 SDG No.: 220-11150
 Client Sample ID: _____ Lab Sample ID: MB 220-34907/3
 Matrix: Water Lab File ID: Y9419.D
 Analysis Method: OLM04.2/Vol Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 12/30/2009 12:02
 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.: 34907 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	10	U	10	0.10
75-01-4	Vinyl chloride	10	U	10	0.10
74-83-9	Bromomethane	10	U	10	0.10
75-00-3	Chloroethane	10	U	10	0.10
75-35-4	1,1-Dichloroethene	10	U	10	0.10
75-15-0	Carbon disulfide	10	U	10	0.10
67-64-1	Acetone	0.524	J	10	0.10
75-09-2	Methylene Chloride	0.616	J	10	0.10
75-34-3	1,1-Dichloroethane	10	U	10	0.10
78-93-3	Methyl Ethyl Ketone	10	U	10	0.10
67-66-3	Chloroform	10	U	10	0.10
71-55-6	1,1,1-Trichloroethane	10	U	10	0.10
56-23-5	Carbon tetrachloride	10	U	10	0.10
71-43-2	Benzene	10	U	10	0.10
107-06-2	1,2-Dichloroethane	10	U	10	0.10
79-01-6	Trichloroethene	10	U	10	0.10
78-87-5	1,2-Dichloropropane	10	U	10	0.10
75-27-4	Bromodichloromethane	10	U	10	0.10
10061-01-5	cis-1,3-Dichloropropene	10	U	10	0.10
108-10-1	methyl isobutyl ketone	10	U	10	0.10
108-88-3	Toluene	10	U	10	0.10
10061-02-6	trans-1,3-Dichloropropene	10	U	10	0.10
79-00-5	1,1,2-Trichloroethane	10	U	10	0.10
127-18-4	Tetrachloroethene	10	U	10	0.10
591-78-6	2-Hexanone	10	U	10	0.10
124-48-1	Dibromochloromethane	10	U	10	0.10
108-90-7	Chlorobenzene	10	U	10	0.10
100-41-4	Ethylbenzene	10	U	10	0.10
100-42-5	Styrene	10	U	10	0.10
75-25-2	Bromoform	10	U	10	0.10
79-34-5	1,1,2,2-Tetrachloroethane	10	U	10	0.10
1330-20-7	Xylenes, Total	10	U	10	0.10
156-59-2	cis-1,2-Dichloroethene	10	U	10	0.10
156-60-5	trans-1,2-Dichloroethene	10	U	10	0.10
75-71-8	Dichlorodifluoromethane	10	U	10	0.10
75-69-4	Trichlorofluoromethane	10	U	10	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
 SDG No.: 220-11150
 Client Sample ID: _____ Lab Sample ID: MB 220-34907/3
 Matrix: Water Lab File ID: Y9419.D
 Analysis Method: OLM04.2/Vol Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 12/30/2009 12:02
 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.: 34907 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	0.10
1634-04-4	Methyl tert-butyl ether	10	U	10	0.10
106-93-4	1,2-Dibromoethane	10	U	10	0.10
98-82-8	Isopropylbenzene	10	U	10	0.10
541-73-1	1,3-Dichlorobenzene	10	U	10	0.10
106-46-7	1,4-Dichlorobenzene	10	U	10	0.10
95-50-1	1,2-Dichlorobenzene	10	U	10	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	10	0.10
120-82-1	1,2,4-Trichlorobenzene	10	U	10	0.10
79-20-9	Methyl acetate	10	U	10	0.10
110-82-7	Cyclohexane	10	U	10	0.10
108-87-2	Methylcyclohexane	10	U	10	0.10

CAS NO.	SURROGATE	%REC	LIMITS	Q
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101	76-114	
460-00-4	4-Bromofluorobenzene	88	86-115	
2037-26-5	Toluene-d8 (Surr)	98	88-110	

Test America Inc

Volatile Report CLP METHOD OLM 4.2

Data file : \\consrv05\Files\chem\VOA\msy.i\Y099415.b\Y9419.D
 Lab Smp Id: MB Client Smp ID: MB
 Inj Date : 30-DEC-2009 12:02 MS Autotune Date: 23-NOV-2009 10:24
 Operator : D. HUMBERT Inst ID: msy.i
 Smp Info : MB
 Misc Info :
 Comment :
 Method : \\consrv05\Files\chem\VOA\msy.i\Y099415.b\YCLPW42.m
 Meth Date : 30-Dec-2009 10:34 dave Quant Type: ISTD
 Cal Date : 30-DEC-2009 10:11 Cal File: Y9416.D
 Als bottle: 100 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14
 Processing Host: CON1006

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

						CONCENTRATIONS		
		QUANT	SIG			ON-COLUMN	FINAL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====		=====	=====	=====	=====	=====	=====	=====
* 1	Bromochloromethane	128	3.100	3.100	(1.000)	261623	50.0000	
17	Methylene Chloride	84	1.854	1.848	(0.598)	4564	0.61560	0.6
18	Acetone	43	1.881	1.886	(0.607)	1791	0.52441	0.5
\$ 33	1,2-Dichloroethane-d4	65	3.940	3.940	(1.271)	464307	50.6710	51
* 34	1,4-Difluorobenzene	114	4.523	4.523	(1.000)	1359343	50.0000	
* 51	Chlorobenzene-d5	117	8.011	8.017	(1.000)	1219433	50.0000	
\$ 53	Toluene-d8	98	6.118	6.112	(0.764)	1231701	49.0773	49
\$ 72	Bromofluorobenzene	95	9.584	9.584	(1.196)	394825	44.0709	44

Data File: Y9419.D

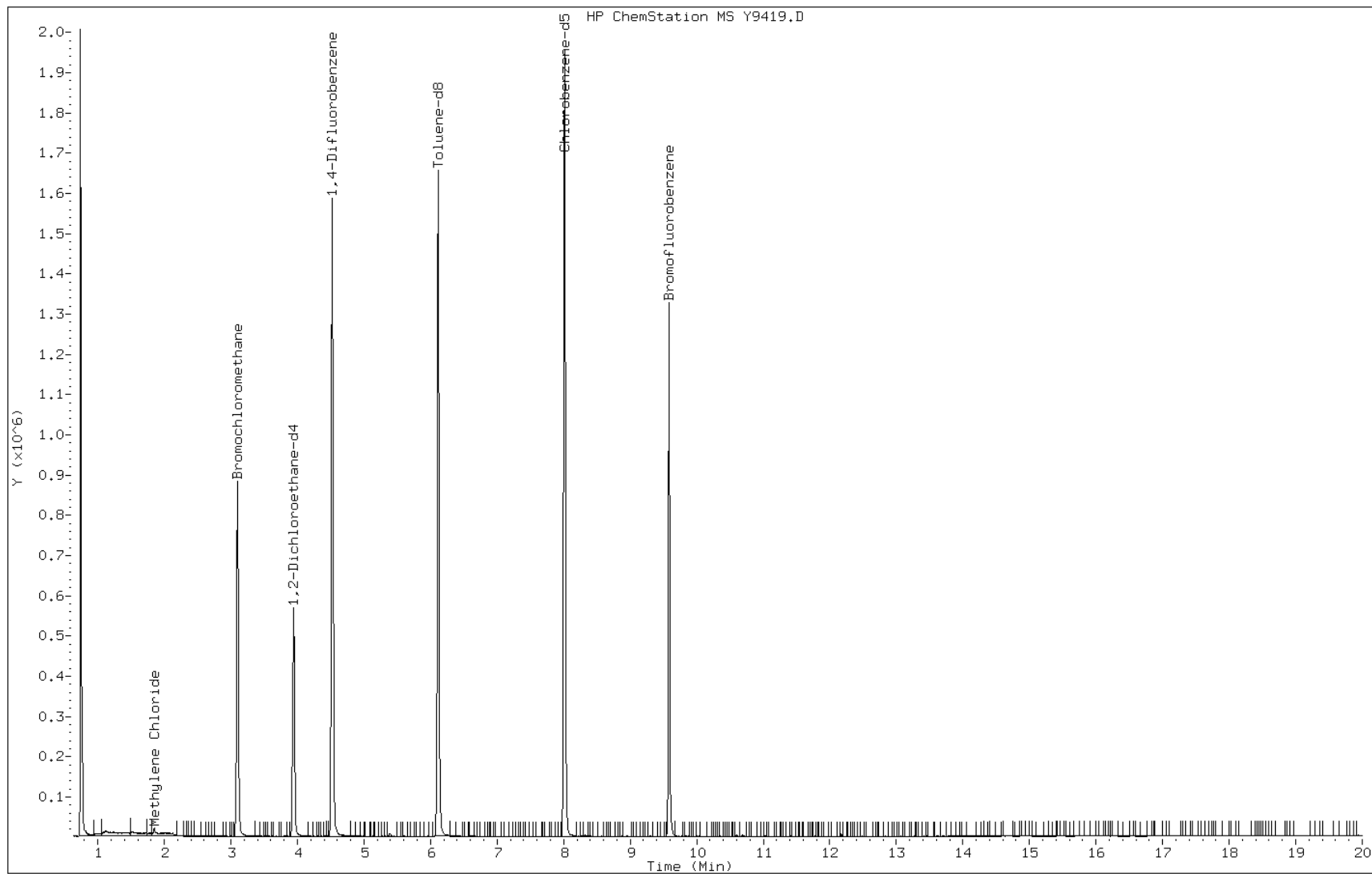
Date: 30-DEC-2009 12:02

Client ID: MB

Instrument: msy.i

Sample Info: MB

Operator: D. HUMBERT



Data File: Y9419.D

Date: 30-DEC-2009 12:02

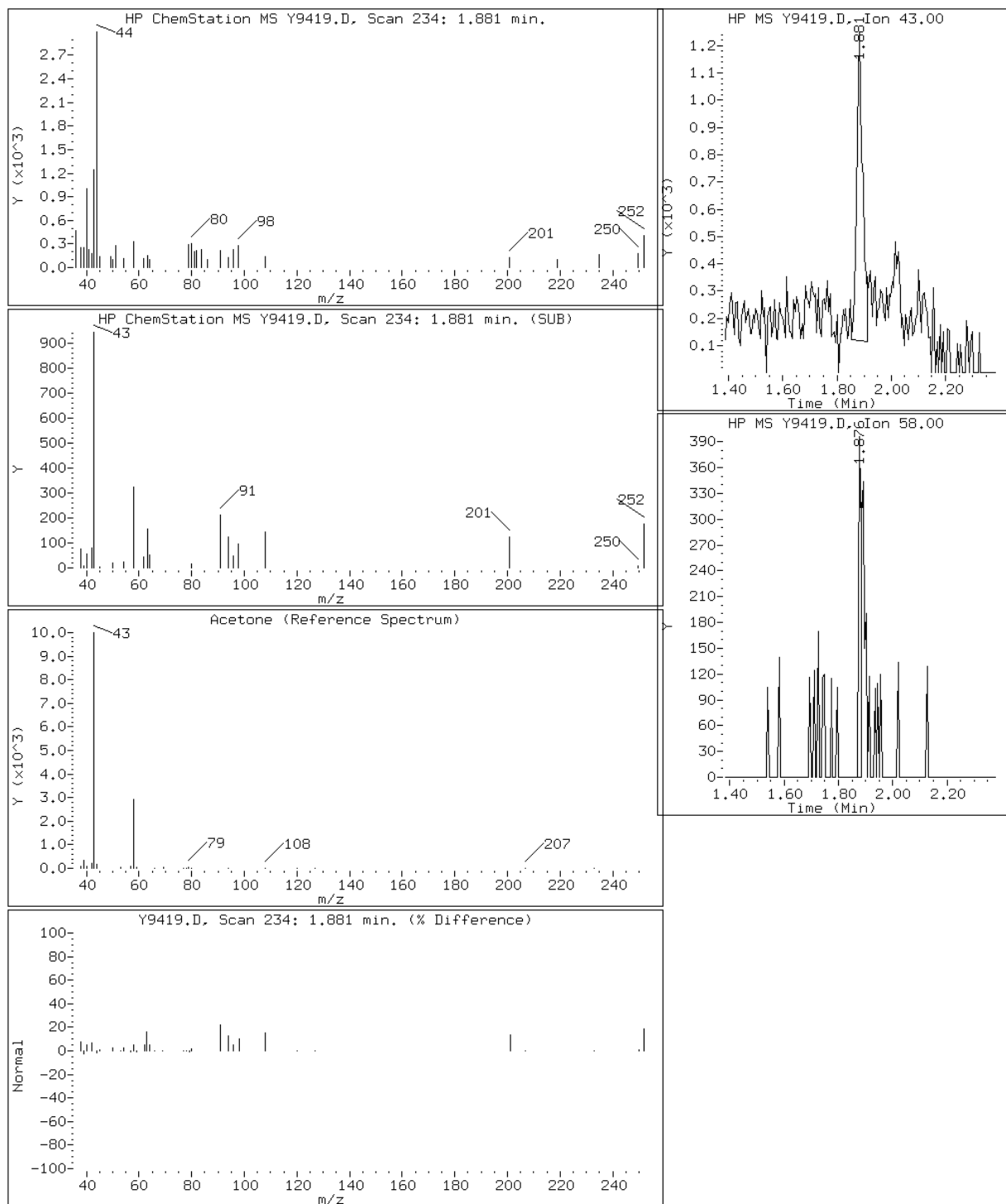
Client ID: MB

Instrument: msy.i

Sample Info: MB

Operator: D. HUMBERT

18 Acetone



Data File: Y9419.D

Date: 30-DEC-2009 12:02

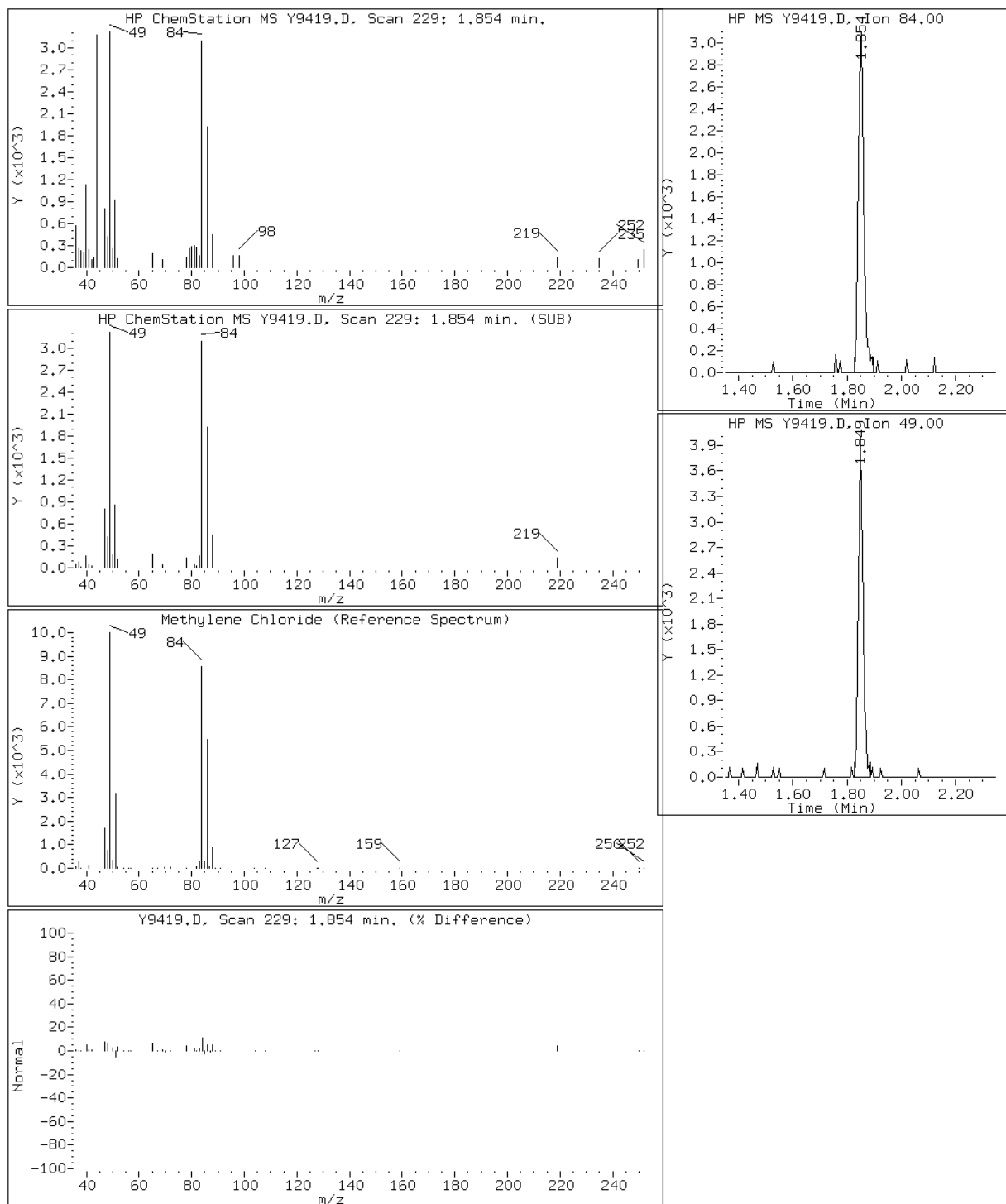
Client ID: MB

Instrument: msy.i

Sample Info: MB

Operator: D. HUMBERT

17 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
 SDG No.: 220-11150
 Client Sample ID: _____ Lab Sample ID: LCS 220-34907/2
 Matrix: Water Lab File ID: Y9417.D
 Analysis Method: OLM04.2/Vol Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 12/30/2009 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.: 34907 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	18.6		10	0.10
75-01-4	Vinyl chloride	21.3		10	0.10
74-83-9	Bromomethane	13.8		10	0.10
75-00-3	Chloroethane	20.4		10	0.10
75-35-4	1,1-Dichloroethene	20.7		10	0.10
75-15-0	Carbon disulfide	19.7		10	0.10
67-64-1	Acetone	30.0		10	0.10
75-09-2	Methylene Chloride	21.0		10	0.10
75-34-3	1,1-Dichloroethane	20.4		10	0.10
78-93-3	Methyl Ethyl Ketone	27.0		10	0.10
67-66-3	Chloroform	20.7		10	0.10
71-55-6	1,1,1-Trichloroethane	19.5		10	0.10
56-23-5	Carbon tetrachloride	20.0		10	0.10
71-43-2	Benzene	19.6		10	0.10
107-06-2	1,2-Dichloroethane	20.0		10	0.10
79-01-6	Trichloroethene	20.7		10	0.10
78-87-5	1,2-Dichloropropane	19.7		10	0.10
75-27-4	Bromodichloromethane	19.6		10	0.10
10061-01-5	cis-1,3-Dichloropropene	15.5		10	0.10
108-10-1	methyl isobutyl ketone	21.2		10	0.10
108-88-3	Toluene	19.8		10	0.10
10061-02-6	trans-1,3-Dichloropropene	18.6		10	0.10
79-00-5	1,1,2-Trichloroethane	20.4		10	0.10
127-18-4	Tetrachloroethene	20.3		10	0.10
591-78-6	2-Hexanone	26.3		10	0.10
124-48-1	Dibromochloromethane	18.5		10	0.10
108-90-7	Chlorobenzene	20.1		10	0.10
100-41-4	Ethylbenzene	18.9		10	0.10
100-42-5	Styrene	18.1		10	0.10
75-25-2	Bromoform	19.1		10	0.10
79-34-5	1,1,2,2-Tetrachloroethane	20.0		10	0.10
1330-20-7	Xylenes, Total	56.1		10	0.10
156-59-2	cis-1,2-Dichloroethene	17.3		10	0.10
156-60-5	trans-1,2-Dichloroethene	19.7		10	0.10
75-71-8	Dichlorodifluoromethane	17.9		10	0.10
75-69-4	Trichlorofluoromethane	18.9		10	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
 SDG No.: 220-11150
 Client Sample ID: _____ Lab Sample ID: LCS 220-34907/2
 Matrix: Water Lab File ID: Y9417.D
 Analysis Method: OLM04.2/Vol Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 12/30/2009 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.: 34907 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	18.5		10	0.10
1634-04-4	Methyl tert-butyl ether	19.1		10	0.10
106-93-4	1,2-Dibromoethane	18.8		10	0.10
98-82-8	Isopropylbenzene	16.3		10	0.10
541-73-1	1,3-Dichlorobenzene	17.6		10	0.10
106-46-7	1,4-Dichlorobenzene	17.6		10	0.10
95-50-1	1,2-Dichlorobenzene	18.5		10	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	18.3		10	0.10
120-82-1	1,2,4-Trichlorobenzene	18.1		10	0.10
79-20-9	Methyl acetate	4.39	J	10	0.10
110-82-7	Cyclohexane	18.2		10	0.10
108-87-2	Methylcyclohexane	16.3		10	0.10

CAS NO.	SURROGATE	%REC	LIMITS	Q
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100	76-114	
460-00-4	4-Bromofluorobenzene	101	86-115	
2037-26-5	Toluene-d8 (Surr)	97	88-110	

Test America Inc

Volatile Report CLP METHOD OLM 4.2

Data file : \\consrv05\Files\chem\VOA\msy.i\Y099415.b\Y9417.D
 Lab Smp Id: LCS Client Smp ID: LCS
 Inj Date : 30-DEC-2009 10:54 MS Autotune Date: 23-NOV-2009 10:24
 Operator : D. HUMBERT Inst ID: msy.i
 Smp Info : LCS
 Misc Info :
 Comment :
 Method : \\consrv05\Files\chem\VOA\msy.i\Y099415.b\YCLPW42.m
 Meth Date : 30-Dec-2009 10:34 dave Quant Type: ISTD
 Cal Date : 30-DEC-2009 10:11 Cal File: Y9416.D
 Als bottle: 100 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14
 Processing Host: CON1006

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

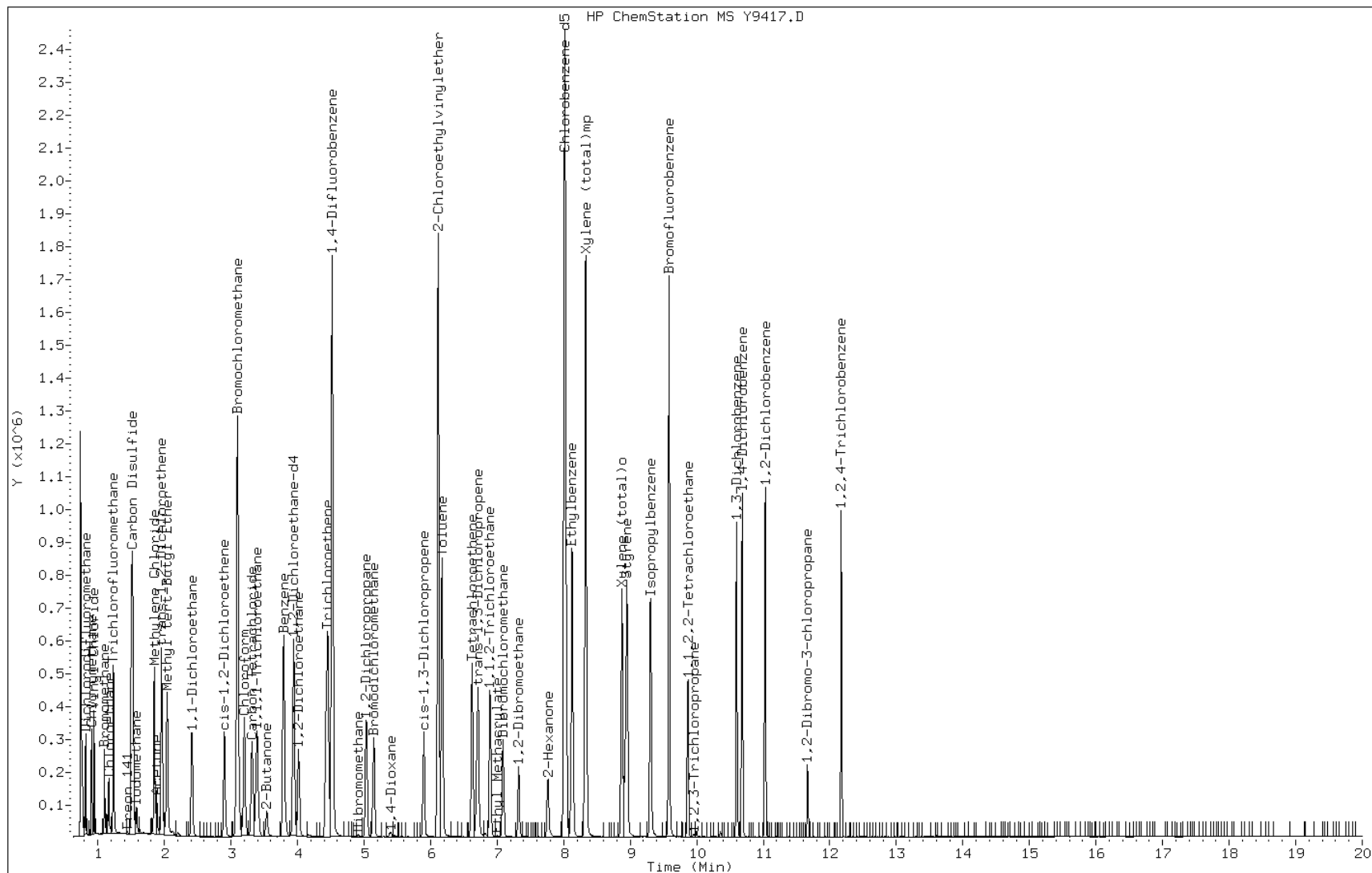
Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
* 1 Bromochloromethane	128	3.100	3.100 (1.000)		277183	50.0000	
3 Dichlorodifluoromethane	85	0.816	0.816 (0.263)		119978	17.8925	18
4 Freon 152a	65	0.816	0.816 (0.263)		674	0.18576	0.2
5 Chlorodifluoromethane	51	0.832	0.832 (0.268)		3114	0.27274	0.3
6 Chloromethane	50	0.907	0.907 (0.293)		150934	18.5940	18
7 Vinyl Chloride	62	0.944	0.944 (0.305)		149329	21.2953	21
8 Bromomethane	94	1.099	1.100 (0.355)		65816	13.8039	14
9 Chloroethane	64	1.164	1.164 (0.375)		71123	20.4002	20
10 Trichlorofluoromethane	101	1.233	1.233 (0.398)		271592	18.8533	19
11 Freon 141	81	1.442	1.447 (0.465)		3248	0.22474	0.2
12 Freon 123	83	1.538	1.538 (0.496)		3329	0.27542	0.3
13 Trichlorotrifluoroethane	101	1.527	1.527 (0.493)		162955	18.5315	18
14 1,1-Dichloroethene	96	1.501	1.501 (0.484)		142862	20.7140	21
15 Carbon Disulfide	76	1.517	1.517 (0.489)		398340	19.6764	20
16 Iodomethane	142	1.581	1.581 (0.510)		52622	5.44449	5
17 Methylene Chloride	84	1.848	1.848 (0.596)		164618	20.9576	21
18 Acetone	43	1.886	1.886 (0.608)		108597	30.0128	30
19 Methyl Acetate	43	1.971	1.972 (0.636)		126263	4.38845	4
20 trans-1,2-Dichloroethene	96	1.955	1.955 (0.631)		154333	19.6743	20
21 Methyl tert-Butyl Ether	73	2.041	2.041 (0.658)		319534	19.1399	19
22 Acrolein	56	1.699	1.693 (0.548)		2206	1.94663	2
23 tert-Butyl alcohol	59	2.127	2.127 (0.686)		4026	9.19899	9

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
						(ug/L)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====
24 Acrylonitrile	53	2.453	2.453	(0.791)	2408	0.79728	0.8
25 1,1-Dichloroethane	63	2.415	2.416	(0.779)	280718	20.4012	20
26 cis-1,2-Dichloroethene	96	2.902	2.902	(0.936)	141197	17.3118	17
27 Chloroform	83	3.202	3.202	(1.033)	311073	20.6910	21
28 Tetrahydrofuran	42	3.357	3.352	(1.083)	1054	0.54255	0.5
29 2-Butanone	43	3.539	3.534	(1.141)	102748	26.9773	27
30 1,2-Dichloroethane	62	4.015	4.015	(1.295)	238154	20.0355	20
31 Dibromomethane	93	4.914	4.914	(1.585)	2185	0.36329	0.4
32 1,4-Dioxane	58	5.401	5.406	(1.742)	817	13.5811	14
\$ 33 1,2-Dichloroethane-d4	65	3.940	3.940	(1.271)	486956	50.1595	50
* 34 1,4-Difluorobenzene	114	4.523	4.523	(1.000)	1586373	50.0000	
35 Vinyl Acetate	43	3.100	2.656	(0.685)	18004	1.27949	1
36 1,1,1-Trichloroethane	97	3.394	3.389	(0.750)	245252	19.5182	20
37 Carbon Tetrachloride	117	3.319	3.320	(0.734)	214078	19.9749	20
38 Benzene	78	3.790	3.790	(0.838)	577066	19.6279	20
39 Cyclohexane	56	3.100	3.095	(0.685)	180370	18.2145	18
40 Methyl Cyclohexane	83	4.438	4.432	(0.981)	142891	16.3323	16
41 Trichloroethene	130	4.459	4.459	(0.986)	183475	20.7063	21
42 1,2-Dichloropropane	63	5.031	5.037	(1.112)	150772	19.6656	20
43 Bromodichloromethane	83	5.144	5.144	(1.137)	217180	19.6196	20
44 Methyl Methacrylate	69	5.411	5.406	(1.196)	1585	0.29656	0.3
45 2-Chloroethylvinylether	63	6.117	5.888	(1.352)	1133	0.23323	0.2
46 cis-1,3-Dichloropropene	75	5.898	5.898	(1.304)	184241	15.4990	15(R)
47 trans-1,3-Dichloropropene	75	6.717	6.717	(1.485)	207369	18.6025	19
48 1,1,2-Trichloroethane	97	6.893	6.893	(1.524)	152853	20.3986	20
49 Dibromochloromethane	129	7.091	7.091	(1.568)	176079	18.5277	18
50 Bromoform	173	8.921	8.921	(1.972)	133892	19.1449	19
* 51 Chlorobenzene-d5	117	8.011	8.017	(1.000)	1367967	50.0000	
52 Toluene	91	6.171	6.171	(0.770)	676600	19.8378	20
\$ 53 Toluene-d8	98	6.112	6.112	(0.763)	1363996	48.4475	48
54 4-Methyl-2-Pentanone	43	6.695	6.695	(0.836)	139873	21.1574	21
55 Tetrachloroethene	164	6.626	6.626	(0.827)	135888	20.3465	20
56 Ethyl Methacrylate	69	7.005	7.006	(0.874)	1510	0.18205	0.2
57 1,2-Dibromoethane	107	7.321	7.321	(0.914)	150027	18.7767	19
58 2-Hexanone	43	7.765	7.765	(0.969)	126627	26.3170	26
59 Chlorobenzene	112	8.033	8.033	(1.003)	456576	20.0921	20
60 Ethylbenzene	106	8.129	8.129	(1.015)	212998	18.8943	19
61 Xylene (total)mp	106	8.332	8.332	(1.040)	528439	38.5057	38
62 Xylene (total)o	106	8.872	8.873	(1.108)	219071	17.6399	18
63 Styrene	104	8.953	8.953	(1.118)	411251	18.1149	18
64 Isopropylbenzene	105	9.306	9.306	(1.162)	491125	16.3360	16
65 1,1,2,2-Tetrachloroethane	83	9.868	9.868	(1.232)	204555	19.9953	20
66 1,2,3-Trichloropropane	110	9.958	9.953	(1.243)	960	0.35931	0.4
67 1,3-Dichlorobenzene	146	10.595	10.601	(1.323)	315627	17.6195	18
68 1,4-Dichlorobenzene	146	10.681	10.681	(1.333)	328454	17.5858	18
69 1,2-Dichlorobenzene	146	11.028	11.029	(1.377)	331868	18.5226	18
70 1,2-Dibromo-3-chloropropane	75	11.665	11.665	(1.456)	38151	18.3261	18
71 1,2,4-Trichlorobenzene	180	12.173	12.173	(1.519)	205188	18.1217	18
\$ 72 Bromofluorobenzene	95	9.584	9.584	(1.196)	508108	50.5575	50
M 73 1,2-Dichloroethene (total)	100				295530	36.9862	37
M 74 Xylene (total)	100				747510	56.1455	56

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Operator: D. HUMBERT



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
 SDG No.: 220-11150
 Client Sample ID: _____ Lab Sample ID: MSB 220-34907/12
 Matrix: Water Lab File ID: Y9435.D
 Analysis Method: OLM04.2/Vol Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 12/30/2009 19:21
 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.: 34907 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	42.8		10	0.10
75-01-4	Vinyl chloride	50.0		10	0.10
74-83-9	Bromomethane	28.0		10	0.10
75-00-3	Chloroethane	57.1		10	0.10
75-35-4	1,1-Dichloroethene	50.6		10	0.10
75-15-0	Carbon disulfide	58.9		10	0.10
67-64-1	Acetone	33.9		10	0.10
75-09-2	Methylene Chloride	49.9		10	0.10
75-34-3	1,1-Dichloroethane	51.3		10	0.10
78-93-3	Methyl Ethyl Ketone	47.0		10	0.10
67-66-3	Chloroform	51.9		10	0.10
71-55-6	1,1,1-Trichloroethane	50.9		10	0.10
56-23-5	Carbon tetrachloride	48.8		10	0.10
71-43-2	Benzene	52.7		10	0.10
107-06-2	1,2-Dichloroethane	51.4		10	0.10
79-01-6	Trichloroethene	51.7		10	0.10
78-87-5	1,2-Dichloropropane	51.8		10	0.10
75-27-4	Bromodichloromethane	50.5		10	0.10
10061-01-5	cis-1,3-Dichloropropene	50.6		10	0.10
108-10-1	methyl isobutyl ketone	56.9		10	0.10
108-88-3	Toluene	51.4		10	0.10
10061-02-6	trans-1,3-Dichloropropene	50.9		10	0.10
79-00-5	1,1,2-Trichloroethane	52.8		10	0.10
127-18-4	Tetrachloroethene	51.3		10	0.10
591-78-6	2-Hexanone	51.5		10	0.10
124-48-1	Dibromochloromethane	52.2		10	0.10
108-90-7	Chlorobenzene	51.0		10	0.10
100-41-4	Ethylbenzene	50.8		10	0.10
100-42-5	Styrene	51.3		10	0.10
75-25-2	Bromoform	54.5		10	0.10
79-34-5	1,1,2,2-Tetrachloroethane	54.3		10	0.10
1330-20-7	Xylenes, Total	154		10	0.10
156-59-2	cis-1,2-Dichloroethene	51.1		10	0.10
156-60-5	trans-1,2-Dichloroethene	51.1		10	0.10
75-71-8	Dichlorodifluoromethane	50.1		10	0.10
75-69-4	Trichlorofluoromethane	49.4		10	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
 SDG No.: 220-11150
 Client Sample ID: _____ Lab Sample ID: MSB 220-34907/12
 Matrix: Water Lab File ID: Y9435.D
 Analysis Method: OLM04.2/Vol Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 12/30/2009 19:21
 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.: 34907 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	50.3		10	0.10
1634-04-4	Methyl tert-butyl ether	51.2		10	0.10
106-93-4	1,2-Dibromoethane	53.5		10	0.10
98-82-8	Isopropylbenzene	51.7		10	0.10
541-73-1	1,3-Dichlorobenzene	52.1		10	0.10
106-46-7	1,4-Dichlorobenzene	52.1		10	0.10
95-50-1	1,2-Dichlorobenzene	51.5		10	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	56.6		10	0.10
120-82-1	1,2,4-Trichlorobenzene	51.0		10	0.10
79-20-9	Methyl acetate	52.8		10	0.10
110-82-7	Cyclohexane	51.8		10	0.10
108-87-2	Methylcyclohexane	50.9		10	0.10

CAS NO.	SURROGATE	%REC	LIMITS	Q
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99	76-114	
460-00-4	4-Bromofluorobenzene	100	86-115	
2037-26-5	Toluene-d8 (Surr)	99	88-110	

Test America Inc

Volatile Report CLP METHOD OLM 4.2

Data file : \\consrv05\Files\chem\VOA\msy.i\Y099415.b\Y9435.D
 Lab Smp Id: MSB Client Smp ID: MSB
 Inj Date : 30-DEC-2009 19:21 MS Autotune Date: 23-NOV-2009 10:24
 Operator : D. HUMBERT Inst ID: msy.i
 Smp Info : MSB
 Misc Info :
 Comment :
 Method : \\consrv05\Files\chem\VOA\msy.i\Y099415.b\YCLPW42.m
 Meth Date : 30-Dec-2009 10:34 dave Quant Type: ISTD
 Cal Date : 30-DEC-2009 10:11 Cal File: Y9416.D
 Als bottle: 100 QC Sample: MS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14
 Processing Host: CON1006

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	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
* 1 Bromochloromethane	128	3.100	3.100 (1.000)		273818	50.0000	
2 Freon 115	119	0.752	0.752 (0.243)		22305	50.0471	50
3 Dichlorodifluoromethane	85	0.816	0.816 (0.263)		331861	50.0991	50
4 Freon 152a	65	0.816	0.816 (0.263)		178804	49.8846	50
5 Chlorodifluoromethane	51	0.832	0.832 (0.268)		479440	42.5076	42
6 Chloromethane	50	0.907	0.907 (0.293)		343290	42.8107	43
7 Vinyl Chloride	62	0.944	0.944 (0.305)		346456	50.0140	50
8 Bromomethane	94	1.099	1.100 (0.355)		132046	28.0349	28
9 Chloroethane	64	1.164	1.164 (0.375)		196599	57.0836	57
10 Trichlorofluoromethane	101	1.239	1.233 (0.400)		702871	49.3914	49
11 Freon 141	81	1.447	1.447 (0.467)		732574	51.3119	51
12 Freon 123	83	1.538	1.538 (0.496)		597322	50.0265	50
13 Trichlorotrifluoroethane	101	1.527	1.527 (0.493)		436656	50.2675	50
14 1,1-Dichloroethene	96	1.501	1.501 (0.484)		344888	50.6208	51
15 Carbon Disulfide	76	1.517	1.517 (0.489)		1178225	58.9148	59
16 Iodomethane	142	1.581	1.581 (0.510)		333497	34.9290	35
17 Methylene Chloride	84	1.848	1.848 (0.596)		387470	49.9353	50
18 Acetone	43	1.886	1.886 (0.608)		121022	33.8577	34
19 Methyl Acetate	43	1.971	1.972 (0.636)		1499862	52.7704	53
20 trans-1,2-Dichloroethene	96	1.955	1.955 (0.631)		395645	51.0565	51
21 Methyl tert-Butyl Ether	73	2.041	2.041 (0.658)		844854	51.2283	51
22 Acrolein	56	1.699	1.693 (0.548)		383404	342.482	340

						CONCENTRATIONS	
QUANT SIG						ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====
23 tert-Butyl alcohol	59	2.132	2.127	(0.688)	123585	285.849	280
24 Acrylonitrile	53	2.453	2.453	(0.791)	315995	105.911	100
25 1,1-Dichloroethane	63	2.415	2.416	(0.779)	697224	51.2936	51
26 cis-1,2-Dichloroethene	96	2.902	2.902	(0.936)	412055	51.1420	51
27 Chloroform	83	3.202	3.202	(1.033)	770888	51.9057	52
28 Tetrahydrofuran	42	3.352	3.352	(1.081)	213964	111.492	110
29 2-Butanone	43	3.539	3.534	(1.141)	176896	47.0163	47
30 1,2-Dichloroethane	62	4.015	4.015	(1.295)	603590	51.4031	51
31 Dibromomethane	93	4.914	4.914	(1.585)	308126	51.8599	52
32 1,4-Dioxane	58	5.401	5.406	(1.742)	30868	519.430	520
\$ 33 1,2-Dichloroethane-d4	65	3.940	3.940	(1.271)	476153	49.6495	50
* 34 1,4-Difluorobenzene	114	4.523	4.523	(1.000)	1561105	50.0000	
35 Vinyl Acetate	43	2.656	2.656	(0.587)	780176	56.3424	56
36 1,1,1-Trichloroethane	97	3.394	3.389	(0.750)	628936	50.8635	51
37 Carbon Tetrachloride	117	3.320	3.320	(0.734)	514868	48.8181	49
38 Benzene	78	3.790	3.790	(0.838)	1523883	52.6712	53
39 Cyclohexane	56	3.095	3.095	(0.684)	504409	51.7617	52
40 Methyl Cyclohexane	83	4.432	4.432	(0.980)	437971	50.8700	51
41 Trichloroethene	130	4.459	4.459	(0.986)	450443	51.6582	52
42 1,2-Dichloropropane	63	5.031	5.037	(1.112)	390827	51.8017	52
43 Bromodichloromethane	83	5.144	5.144	(1.137)	550411	50.5278	50
44 Methyl Methacrylate	69	5.406	5.406	(1.195)	583433	110.930	110
45 2-Chloroethylvinylether	63	5.882	5.888	(1.300)	235663	49.2970	49
46 cis-1,3-Dichloropropene	75	5.898	5.898	(1.304)	591572	50.5706	50
47 trans-1,3-Dichloropropene	75	6.711	6.717	(1.484)	558675	50.9283	51
48 1,1,2-Trichloroethane	97	6.893	6.893	(1.524)	389268	52.7895	53
49 Dibromochloromethane	129	7.086	7.091	(1.566)	488295	52.2118	52
50 Bromoform	173	8.921	8.921	(1.972)	375411	54.5481	54
* 51 Chlorobenzene-d5	117	8.011	8.017	(1.000)	1367562	50.0000	
52 Toluene	91	6.171	6.171	(0.770)	1751045	51.3555	51
\$ 53 Toluene-d8	98	6.112	6.112	(0.763)	1389480	49.3673	49
54 4-Methyl-2-Pentanone	43	6.695	6.695	(0.836)	375834	56.8661	57
55 Tetrachloroethene	164	6.626	6.626	(0.827)	342750	51.3352	51
56 Ethyl Methacrylate	69	7.006	7.006	(0.874)	465735	56.1660	56
57 1,2-Dibromoethane	107	7.321	7.321	(0.914)	427652	53.5388	54
58 2-Hexanone	43	7.760	7.765	(0.969)	247939	51.5447	52
59 Chlorobenzene	112	8.033	8.033	(1.003)	1159429	51.0370	51
60 Ethylbenzene	106	8.124	8.129	(1.014)	572572	50.8058	51
61 Xylene (total)mp	106	8.327	8.332	(1.039)	1404406	102.365	100
62 Xylene (total)o	106	8.873	8.873	(1.108)	643125	51.8006	52
63 Styrene	104	8.947	8.953	(1.117)	1163975	51.2862	51
64 Isopropylbenzene	105	9.301	9.306	(1.161)	1554254	51.7135	52
65 1,1,2,2-Tetrachloroethane	83	9.862	9.868	(1.231)	555012	54.2686	54
66 1,2,3-Trichloropropane	110	9.953	9.953	(1.242)	145528	54.4853	54
67 1,3-Dichlorobenzene	146	10.595	10.601	(1.323)	933083	52.1035	52
68 1,4-Dichlorobenzene	146	10.681	10.681	(1.333)	972099	52.0628	52
69 1,2-Dichlorobenzene	146	11.028	11.029	(1.377)	923127	51.5379	52
70 1,2-Dibromo-3-chloropropane	75	11.665	11.665	(1.456)	117850	56.6269	57
71 1,2,4-Trichlorobenzene	180	12.173	12.173	(1.519)	577787	51.0438	51
\$ 72 Bromofluorobenzene	95	9.584	9.584	(1.196)	501505	49.9153	50
M 73 1,2-Dichloroethene (total)	100				807700	102.199	100
M 74 Xylene (total)	100				2047531	154.165	150

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Connecticut</u>	Job No.: <u>220-11150-1</u>
SDG No.: <u>220-11150</u>	
Client Sample ID: <u>MW-2D MS</u>	Lab Sample ID: <u>220-11150-6 MS</u>
Matrix: <u>Water</u>	Lab File ID: <u>Y9436.D</u>
Analysis Method: <u>OLM04.2/Vol</u>	Date Collected: <u>12/21/2009 12:20</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>12/30/2009 19:47</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-VMS</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>34907</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	42.3		10	0.10
75-01-4	Vinyl chloride	48.9		10	0.10
74-83-9	Bromomethane	29.0		10	0.10
75-00-3	Chloroethane	53.6		10	0.10
75-35-4	1,1-Dichloroethene	49.2		10	0.10
75-15-0	Carbon disulfide	57.5		10	0.10
67-64-1	Acetone	34.2		10	0.10
75-09-2	Methylene Chloride	48.7		10	0.10
75-34-3	1,1-Dichloroethane	49.2		10	0.10
78-93-3	Methyl Ethyl Ketone	46.0		10	0.10
67-66-3	Chloroform	50.0		10	0.10
71-55-6	1,1,1-Trichloroethane	46.1		10	0.10
56-23-5	Carbon tetrachloride	42.1		10	0.10
71-43-2	Benzene	50.3		10	0.10
107-06-2	1,2-Dichloroethane	49.1		10	0.10
79-01-6	Trichloroethene	49.8		10	0.10
78-87-5	1,2-Dichloropropane	49.6		10	0.10
75-27-4	Bromodichloromethane	45.0		10	0.10
10061-01-5	cis-1,3-Dichloropropene	43.0		10	0.10
108-10-1	methyl isobutyl ketone	54.1		10	0.10
108-88-3	Toluene	48.3		10	0.10
10061-02-6	trans-1,3-Dichloropropene	47.6		10	0.10
79-00-5	1,1,2-Trichloroethane	50.3		10	0.10
127-18-4	Tetrachloroethene	48.9		10	0.10
591-78-6	2-Hexanone	49.6		10	0.10
124-48-1	Dibromochloromethane	47.4		10	0.10
108-90-7	Chlorobenzene	48.3		10	0.10
100-41-4	Ethylbenzene	48.3		10	0.10
100-42-5	Styrene	48.4		10	0.10
75-25-2	Bromoform	50.1		10	0.10
79-34-5	1,1,2,2-Tetrachloroethane	51.3		10	0.10
1330-20-7	Xylenes, Total	146		10	0.10
156-59-2	cis-1,2-Dichloroethene	49.6		10	0.10
156-60-5	trans-1,2-Dichloroethene	48.2		10	0.10
75-71-8	Dichlorodifluoromethane	49.1		10	0.10
75-69-4	Trichlorofluoromethane	45.4		10	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
 SDG No.: 220-11150
 Client Sample ID: MW-2D MS Lab Sample ID: 220-11150-6 MS
 Matrix: Water Lab File ID: Y9436.D
 Analysis Method: OLM04.2/Vol Date Collected: 12/21/2009 12:20
 Sample wt/vol: 5 (mL) Date Analyzed: 12/30/2009 19:47
 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.: 34907 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	48.2		10	0.10
1634-04-4	Methyl tert-butyl ether	50.4		10	0.10
106-93-4	1,2-Dibromoethane	51.2		10	0.10
98-82-8	Isopropylbenzene	48.8		10	0.10
541-73-1	1,3-Dichlorobenzene	49.6		10	0.10
106-46-7	1,4-Dichlorobenzene	48.9		10	0.10
95-50-1	1,2-Dichlorobenzene	48.8		10	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	55.4		10	0.10
120-82-1	1,2,4-Trichlorobenzene	50.0		10	0.10
79-20-9	Methyl acetate	51.0		10	0.10
110-82-7	Cyclohexane	49.5		10	0.10
108-87-2	Methylcyclohexane	49.0		10	0.10

CAS NO.	SURROGATE	%REC	LIMITS	Q
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100	76-114	
460-00-4	4-Bromofluorobenzene	99	86-115	
2037-26-5	Toluene-d8 (Surr)	98	88-110	

STL-INC

Volatile Report CLP METHOD OLM 4.2

Data file : \\consrv05\files\chem\VOA\msy.i\Y099415.b\Y9436.D
 Lab Smp Id: 220-11150-A-6 MS
 Inj Date : 30-DEC-2009 19:47 MS Autotune Date: 23-NOV-2009 10:24
 Operator : D. HUMBERT Inst ID: msy.i
 Smp Info : 220-11150-A-6 MS
 Misc Info :
 Comment :
 Method : \\consrv05\Files\chem\VOA\msy.i\Y099415.b\YCLPW42.m
 Meth Date : 05-Jan-2010 14:46 msy.i Quant Type: ISTD
 Cal Date : 30-DEC-2009 10:11 Cal File: Y9416.D
 Als bottle: 100 QC Sample: MS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14
 Processing Host: CON1006

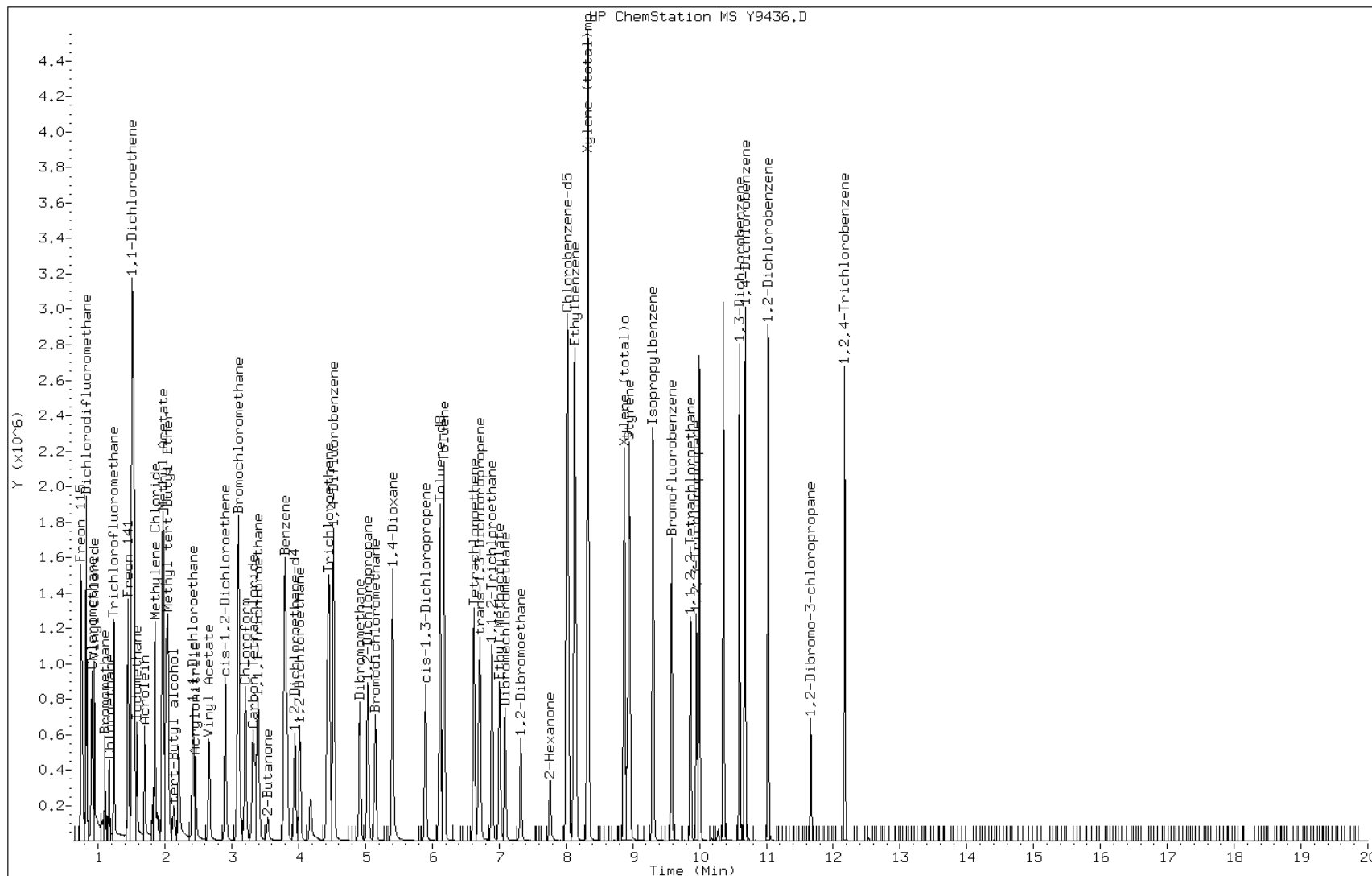
Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

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						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ug/L)	(ug/L)
* 1 Bromochloromethane	128	3.100	3.100	(1.000)	277637	50.0000		
2 Freon 115	119	0.752	0.752	(0.243)	21082	46.6523	47	
3 Dichlorodifluoromethane	85	0.816	0.816	(0.263)	330039	49.1387	49	
4 Freon 152a	65	0.816	0.816	(0.263)	176788	48.6437	49	
5 Chlorodifluoromethane	51	0.832	0.832	(0.268)	470141	41.1097	41	
6 Chloromethane	50	0.907	0.907	(0.293)	343712	42.2737	42	
7 Vinyl Chloride	62	0.944	0.944	(0.305)	343738	48.9391	49	
8 Bromomethane	94	1.099	1.100	(0.355)	138519	29.0046	29	
9 Chloroethane	64	1.164	1.164	(0.375)	187225	53.6140	54	
10 Trichlorofluoromethane	101	1.233	1.233	(0.398)	655196	45.4079	45	
11 Freon 141	81	1.447	1.447	(0.467)	699135	48.2961	48	
12 Freon 123	83	1.538	1.538	(0.496)	580843	47.9772	48	
13 Trichlorotrifluoroethane	101	1.527	1.527	(0.493)	424714	48.2202	48	
14 1,1-Dichloroethene	96	1.501	1.501	(0.484)	339789	49.1864	49	
15 Carbon Disulfide	76	1.517	1.517	(0.489)	1166477	57.5250	58	
16 Iodomethane	142	1.581	1.581	(0.510)	409554	42.3048	42	
17 Methylene Chloride	84	1.848	1.848	(0.596)	383102	48.6932	49	
18 Acetone	43	1.886	1.886	(0.608)	123809	34.1610	34	
19 Methyl Acetate	43	1.977	1.972	(0.638)	1470487	51.0252	51	
20 trans-1,2-Dichloroethene	96	1.955	1.955	(0.631)	378544	48.1777	48	
21 Methyl tert-Butyl Ether	73	2.041	2.041	(0.658)	842683	50.3938	50	
22 Acrolein	56	1.699	1.693	(0.548)	373306	328.875	330	

						CONCENTRATIONS	
		QUANT	SIG			ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====
23 tert-Butyl alcohol	59	2.132	2.127 (0.688)		134848	307.610	310
24 Acrylonitrile	53	2.453	2.453 (0.791)		316543	104.635	100
25 1,1-Dichloroethane	63	2.415	2.416 (0.779)		678413	49.2232	49
26 cis-1,2-Dichloroethene	96	2.902	2.902 (0.936)		405597	49.6480	50
27 Chloroform	83	3.202	3.202 (1.033)		753066	50.0082	50
28 Tetrahydrofuran	42	3.352	3.352 (1.081)		214050	110.003	110
29 2-Butanone	43	3.539	3.534 (1.141)		175395	45.9761	46
30 1,2-Dichloroethane	62	4.015	4.015 (1.295)		585169	49.1488	49
31 Dibromomethane	93	4.914	4.914 (1.585)		302007	50.1308	50
32 1,4-Dioxane	58	5.401	5.406 (1.742)		35468	588.626	590
\$ 33 1,2-Dichloroethane-d4	65	3.940	3.940 (1.271)		486562	50.0370	50
* 34 1,4-Difluorobenzene	114	4.523	4.523 (1.000)		1593973	50.0000	
35 Vinyl Acetate	43	2.656	2.656 (0.587)		784279	55.4708	55
36 1,1,1-Trichloroethane	97	3.394	3.389 (0.750)		581446	46.0533	46
37 Carbon Tetrachloride	117	3.320	3.320 (0.734)		453571	42.1194	42
38 Benzene	78	3.790	3.790 (0.838)		1485118	50.2729	50
39 Cyclohexane	56	3.100	3.095 (0.685)		492278	49.4752	49
40 Methyl Cyclohexane	83	4.432	4.432 (0.980)		430510	48.9723	49
41 Trichloroethene	130	4.459	4.459 (0.986)		443103	49.7686	50
42 1,2-Dichloropropane	63	5.031	5.037 (1.112)		382136	49.6053	50
43 Bromodichloromethane	83	5.144	5.144 (1.137)		500818	45.0271	45
44 Methyl Methacrylate	69	5.406	5.406 (1.195)		579612	107.931	110
46 cis-1,3-Dichloropropene	75	5.898	5.898 (1.304)		514015	43.0346	43
47 trans-1,3-Dichloropropene	75	6.711	6.717 (1.484)		532922	47.5789	48
48 1,1,2-Trichloroethane	97	6.893	6.893 (1.524)		378497	50.2704	50
49 Dibromochloromethane	129	7.086	7.091 (1.566)		452914	47.4300	47
50 Bromoform	173	8.921	8.921 (1.972)		352084	50.1037	50
* 51 Chlorobenzene-d5	117	8.011	8.017 (1.000)		1400219	50.0000	
52 Toluene	91	6.171	6.171 (0.770)		1686042	48.2958	48
\$ 53 Toluene-d8	98	6.112	6.112 (0.763)		1406663	48.8121	49
54 4-Methyl-2-Pentanone	43	6.695	6.695 (0.836)		366170	54.1117	54
55 Tetrachloroethene	164	6.620	6.626 (0.826)		334320	48.9048	49
56 Ethyl Methacrylate	69	7.005	7.006 (0.874)		458003	53.9453	54
57 1,2-Dibromoethane	107	7.321	7.321 (0.914)		418747	51.2012	51
58 2-Hexanone	43	7.760	7.765 (0.969)		244202	49.5838	50
59 Chlorobenzene	112	8.033	8.033 (1.003)		1123999	48.3234	48
60 Ethylbenzene	106	8.124	8.129 (1.014)		557309	48.2981	48
61 Xylene (total)mp	106	8.327	8.332 (1.039)		1368609	97.4291	97
62 Xylene (total)o	106	8.873	8.873 (1.108)		615531	48.4217	48
63 Styrene	104	8.947	8.953 (1.117)		1123753	48.3591	48
64 Isopropylbenzene	105	9.301	9.306 (1.161)		1502576	48.8281	49
65 1,1,2,2-Tetrachloroethane	83	9.862	9.868 (1.231)		536943	51.2773	51
66 1,2,3-Trichloropropane	110	9.953	9.953 (1.242)		143818	52.5892	52
67 1,3-Dichlorobenzene	146	10.595	10.601 (1.323)		908825	49.5654	50
68 1,4-Dichlorobenzene	146	10.681	10.681 (1.333)		935654	48.9422	49
69 1,2-Dichlorobenzene	146	11.028	11.029 (1.377)		895064	48.8057	49
70 1,2-Dibromo-3-chloropropane	75	11.665	11.665 (1.456)		118054	55.4019	55
71 1,2,4-Trichlorobenzene	180	12.173	12.173 (1.519)		579738	50.0217	50
\$ 72 Bromofluorobenzene	95	9.579	9.584 (1.196)		509002	49.4799	49
M 73 1,2-Dichloroethene (total)	100				784141	97.8258	98
M 74 Xylene (total)	100				1984140	145.851	140

Operator: D. HUMBERT



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Connecticut</u>	Job No.: <u>220-11150-1</u>
SDG No.: <u>220-11150</u>	
Client Sample ID: <u>MW-2D MSD</u>	Lab Sample ID: <u>220-11150-6 MSD</u>
Matrix: <u>Water</u>	Lab File ID: <u>Y9437.D</u>
Analysis Method: <u>OLM04.2/Vol</u>	Date Collected: <u>12/21/2009 12:20</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>12/30/2009 20:14</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-VMS</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>34907</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	43.2		10	0.10
75-01-4	Vinyl chloride	49.3		10	0.10
74-83-9	Bromomethane	30.6		10	0.10
75-00-3	Chloroethane	58.3		10	0.10
75-35-4	1,1-Dichloroethene	50.1		10	0.10
75-15-0	Carbon disulfide	58.9		10	0.10
67-64-1	Acetone	34.0		10	0.10
75-09-2	Methylene Chloride	49.0		10	0.10
75-34-3	1,1-Dichloroethane	50.3		10	0.10
78-93-3	Methyl Ethyl Ketone	48.1		10	0.10
67-66-3	Chloroform	51.1		10	0.10
71-55-6	1,1,1-Trichloroethane	47.1		10	0.10
56-23-5	Carbon tetrachloride	42.4		10	0.10
71-43-2	Benzene	51.3		10	0.10
107-06-2	1,2-Dichloroethane	49.7		10	0.10
79-01-6	Trichloroethene	50.5		10	0.10
78-87-5	1,2-Dichloropropane	50.6		10	0.10
75-27-4	Bromodichloromethane	45.6		10	0.10
10061-01-5	cis-1,3-Dichloropropene	44.2		10	0.10
108-10-1	methyl isobutyl ketone	55.4		10	0.10
108-88-3	Toluene	49.4		10	0.10
10061-02-6	trans-1,3-Dichloropropene	48.5		10	0.10
79-00-5	1,1,2-Trichloroethane	51.5		10	0.10
127-18-4	Tetrachloroethene	50.3		10	0.10
591-78-6	2-Hexanone	51.6		10	0.10
124-48-1	Dibromochloromethane	48.1		10	0.10
108-90-7	Chlorobenzene	49.1		10	0.10
100-41-4	Ethylbenzene	49.3		10	0.10
100-42-5	Styrene	49.6		10	0.10
75-25-2	Bromoform	50.9		10	0.10
79-34-5	1,1,2,2-Tetrachloroethane	52.3		10	0.10
1330-20-7	Xylenes, Total	148		10	0.10
156-59-2	cis-1,2-Dichloroethene	51.1		10	0.10
156-60-5	trans-1,2-Dichloroethene	49.4		10	0.10
75-71-8	Dichlorodifluoromethane	49.7		10	0.10
75-69-4	Trichlorofluoromethane	45.2		10	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
SDG No.: 220-11150
Client Sample ID: MW-2D MSD Lab Sample ID: 220-11150-6 MSD
Matrix: Water Lab File ID: Y9437.D
Analysis Method: OLM04.2/Vol Date Collected: 12/21/2009 12:20
Sample wt/vol: 5 (mL) Date Analyzed: 12/30/2009 20:14
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.: 34907 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	48.7		10	0.10
1634-04-4	Methyl tert-butyl ether	52.1		10	0.10
106-93-4	1,2-Dibromoethane	52.2		10	0.10
98-82-8	Isopropylbenzene	50.0		10	0.10
541-73-1	1,3-Dichlorobenzene	50.2		10	0.10
106-46-7	1,4-Dichlorobenzene	50.0		10	0.10
95-50-1	1,2-Dichlorobenzene	50.4		10	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	55.7		10	0.10
120-82-1	1,2,4-Trichlorobenzene	51.9		10	0.10
79-20-9	Methyl acetate	51.8		10	0.10
110-82-7	Cyclohexane	51.1		10	0.10
108-87-2	Methylcyclohexane	50.1		10	0.10

CAS NO.	SURROGATE	%REC	LIMITS	Q
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100	76-114	
460-00-4	4-Bromofluorobenzene	99	86-115	
2037-26-5	Toluene-d8 (Surr)	98	88-110	

STL-INC

Volatile Report CLP METHOD OLM 4.2

Data file : \\consrv05\files\chem\VOA\msy.i\Y099415.b\Y9437.D
 Lab Smp Id: 220-11150-A-6 MSD
 Inj Date : 30-DEC-2009 20:14 MS Autotune Date: 23-NOV-2009 10:24
 Operator : D. HUMBERT Inst ID: msy.i
 Smp Info : 220-11150-A-6 MSD
 Misc Info :
 Comment :
 Method : \\consrv05\Files\chem\VOA\msy.i\Y099415.b\YCLPW42.m
 Meth Date : 05-Jan-2010 14:46 msy.i Quant Type: ISTD
 Cal Date : 30-DEC-2009 10:11 Cal File: Y9416.D
 Als bottle: 100 QC Sample: MSD
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14
 Processing Host: CON1006

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						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
								(ug/L)	(ug/L)
* 1 Bromochloromethane	128		3.100	3.100	(1.000)		282575	50.0000	
2 Freon 115	119		0.746	0.752	(0.241)		22083	48.0134	48
3 Dichlorodifluoromethane	85		0.816	0.816	(0.263)		339585	49.6764	50
4 Freon 152a	65		0.816	0.816	(0.263)		186522	50.4252	50
5 Chlorodifluoromethane	51		0.832	0.832	(0.268)		484925	41.6615	42
6 Chloromethane	50		0.907	0.907	(0.293)		357342	43.1821	43
7 Vinyl Chloride	62		0.944	0.944	(0.305)		352139	49.2591	49
8 Bromomethane	94		1.100	1.100	(0.355)		148543	30.5600	30
9 Chloroethane	64		1.164	1.164	(0.375)		207193	58.2952	58
10 Trichlorofluoromethane	101		1.233	1.233	(0.398)		664265	45.2320	45
11 Freon 141	81		1.447	1.447	(0.467)		727842	49.4006	49
12 Freon 123	83		1.538	1.538	(0.496)		599414	48.6459	49
13 Trichlorotrifluoroethane	101		1.528	1.527	(0.493)		436555	48.6984	49
14 1,1-Dichloroethene	96		1.501	1.501	(0.484)		351927	50.0532	50
15 Carbon Disulfide	76		1.517	1.517	(0.489)		1215973	58.9180	59
16 Iodomethane	142		1.581	1.581	(0.510)		456363	46.3162	46
17 Methylene Chloride	84		1.849	1.848	(0.596)		392057	48.9606	49
18 Acetone	43		1.886	1.886	(0.608)		125465	34.0129	34
19 Methyl Acetate	43		1.972	1.972	(0.636)		1519596	51.8078	52
20 trans-1,2-Dichloroethene	96		1.956	1.955	(0.631)		395168	49.4146	49
21 Methyl tert-Butyl Ether	73		2.041	2.041	(0.658)		886470	52.0859	52
22 Acrolein	56		1.699	1.693	(0.548)		388953	336.672	340

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====
23 tert-Butyl alcohol	59	2.132	2.127 (0.688)		136214	305.296	300
24 Acrylonitrile	53	2.453	2.453 (0.791)		326521	106.047	110
25 1,1-Dichloroethane	63	2.416	2.416 (0.779)		705690	50.3075	50
26 cis-1,2-Dichloroethene	96	2.902	2.902 (0.936)		424611	51.0672	51
27 Chloroform	83	3.202	3.202 (1.033)		782730	51.0698	51
28 Tetrahydrofuran	42	3.352	3.352 (1.081)		227149	114.694	110
29 2-Butanone	43	3.534	3.534 (1.140)		186702	48.0848	48
30 1,2-Dichloroethane	62	4.015	4.015 (1.295)		602037	49.6820	50
31 Dibromomethane	93	4.914	4.914 (1.585)		310119	50.5778	50
32 1,4-Dioxane	58	5.406	5.406 (1.744)		31560	514.616	510
\$ 33 1,2-Dichloroethane-d4	65	3.940	3.940 (1.271)		494842	49.9992	50
* 34 1,4-Difluorobenzene	114	4.523	4.523 (1.000)		1621199	50.0000	
35 Vinyl Acetate	43	2.656	2.656 (0.587)		816423	56.7746	57
36 1,1,1-Trichloroethane	97	3.389	3.389 (0.749)		604773	47.0964	47
37 Carbon Tetrachloride	117	3.314	3.320 (0.733)		464392	42.4000	42
38 Benzene	78	3.790	3.790 (0.838)		1541411	51.3022	51
39 Cyclohexane	56	3.095	3.095 (0.684)		516689	51.0565	51
40 Methyl Cyclohexane	83	4.432	4.432 (0.980)		447584	50.0595	50
41 Trichloroethene	130	4.459	4.459 (0.986)		457104	50.4790	50
42 1,2-Dichloropropane	63	5.032	5.037 (1.112)		396840	50.6490	51
43 Bromodichloromethane	83	5.144	5.144 (1.137)		515994	45.6124	46
44 Methyl Methacrylate	69	5.406	5.406 (1.195)		601590	110.142	110
46 cis-1,3-Dichloropropene	75	5.898	5.898 (1.304)		537151	44.2163	44
47 trans-1,3-Dichloropropene	75	6.711	6.717 (1.484)		552419	48.4913	48
48 1,1,2-Trichloroethane	97	6.893	6.893 (1.524)		394722	51.5449	52
49 Dibromochloromethane	129	7.086	7.091 (1.566)		467463	48.1315	48
50 Bromoform	173	8.921	8.921 (1.972)		363518	50.8621	51
* 51 Chlorobenzene-d5	117	8.011	8.017 (1.000)		1421093	50.0000	
52 Toluene	91	6.171	6.171 (0.770)		1749907	49.3889	49
\$ 53 Toluene-d8	98	6.112	6.112 (0.763)		1427880	48.8206	49
54 4-Methyl-2-Pentanone	43	6.695	6.695 (0.836)		380801	55.4473	55
55 Tetrachloroethene	164	6.626	6.626 (0.827)		348937	50.2932	50
56 Ethyl Methacrylate	69	7.006	7.006 (0.874)		478865	55.5740	56
57 1,2-Dibromoethane	107	7.321	7.321 (0.914)		432876	52.1514	52
58 2-Hexanone	43	7.760	7.765 (0.969)		257901	51.5961	52
59 Chlorobenzene	112	8.033	8.033 (1.003)		1159496	49.1173	49
60 Ethylbenzene	106	8.124	8.129 (1.014)		577661	49.3265	49
61 Xylene (total)mp	106	8.327	8.332 (1.039)		1405492	98.5851	98
62 Xylene (total)o	106	8.873	8.873 (1.108)		640388	49.6372	50
63 Styrene	104	8.948	8.953 (1.117)		1169966	49.6083	50
64 Isopropylbenzene	105	9.301	9.306 (1.161)		1560720	49.9726	50
65 1,1,2,2-Tetrachloroethane	83	9.862	9.868 (1.231)		555428	52.2635	52
66 1,2,3-Trichloropropane	110	9.953	9.953 (1.242)		146373	52.7373	53
67 1,3-Dichlorobenzene	146	10.595	10.601 (1.323)		934977	50.2426	50
68 1,4-Dichlorobenzene	146	10.681	10.681 (1.333)		970798	50.0346	50
69 1,2-Dichlorobenzene	146	11.029	11.029 (1.377)		937471	50.3671	50
70 1,2-Dibromo-3-chloropropane	75	11.665	11.665 (1.456)		120403	55.6743	56
71 1,2,4-Trichlorobenzene	180	12.173	12.173 (1.519)		610836	51.9307	52
\$ 72 Bromofluorobenzene	95	9.579	9.584 (1.196)		519029	49.7135	50
M 73 1,2-Dichloroethene (total)	100				819779	100.482	100
M 74 Xylene (total)	100				2045880	148.222	150

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-11150-1
SDG No.: 220-11150
Instrument ID: MSY Start Date: 12/17/2009 18:11
Analysis Batch Number: 34432 End Date: 12/17/2009 22:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 220-34432/6		12/17/2009 18:11	1	YB242.D	RTX-VMS 0.18 (mm)
IC 220-34432/1		12/17/2009 21:04	1	Y9175.D	RTX-VMS 0.18 (mm)
IC 220-34432/2		12/17/2009 21:30	1	Y9176.D	RTX-VMS 0.18 (mm)
IC 220-34432/3		12/17/2009 21:57	1	Y9177.D	RTX-VMS 0.18 (mm)
IC 220-34432/4		12/17/2009 22:23	1	Y9178.D	RTX-VMS 0.18 (mm)
IC 220-34432/5		12/17/2009 22:49	1	Y9179.D	RTX-VMS 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica ConnecticutJob No.: 220-11150-1SDG No.: 220-11150Instrument ID: MSYStart Date: 12/30/2009 09:44Analysis Batch Number: 34907End Date: 12/30/2009 20:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 220-34907/15		12/30/2009 09:44	1	YB253.D	RTX-VMS 0.18 (mm)
CCVIS 220-34907/1		12/30/2009 10:11	1	Y9416.D	RTX-VMS 0.18 (mm)
LCS 220-34907/2		12/30/2009 10:54	1	Y9417.D	RTX-VMS 0.18 (mm)
MB 220-34907/3		12/30/2009 12:02	1	Y9419.D	RTX-VMS 0.18 (mm)
220-11150-8	TRIP BLANK	12/30/2009 12:41	1	Y9420.D	RTX-VMS 0.18 (mm)
220-11150-6	MW-2D	12/30/2009 15:48	1	Y9427.D	RTX-VMS 0.18 (mm)
220-11150-4	MW-15D	12/30/2009 16:14	1	Y9428.D	RTX-VMS 0.18 (mm)
220-11150-5	MW-16D	12/30/2009 16:41	1	Y9429.D	RTX-VMS 0.18 (mm)
220-11150-7	MW-9D	12/30/2009 17:08	1	Y9430.D	RTX-VMS 0.18 (mm)
220-11150-2	MW-14D	12/30/2009 17:34	1	Y9431.D	RTX-VMS 0.18 (mm)
220-11150-3	MW-10D	12/30/2009 18:01	2	Y9432.D	RTX-VMS 0.18 (mm)
220-11150-1	MW-13D	12/30/2009 18:27	5	Y9433.D	RTX-VMS 0.18 (mm)
MSB 220-34907/12		12/30/2009 19:21	1	Y9435.D	RTX-VMS 0.18 (mm)
220-11150-6 MS	MW-2D MS	12/30/2009 19:47	1	Y9436.D	RTX-VMS 0.18 (mm)
220-11150-6 MSD	MW-2D MSD	12/30/2009 20:14	1	Y9437.D	RTX-VMS 0.18 (mm)

Shipping and Receiving Documents

Login Sample Receipt Check List

Client: C&S Engineers, Inc.

Job Number: 220-11150-1

SDG Number: 220-11150

Login Number: 11150

Creator: Blocker, Kristina

List Number: 1

List Source: TestAmerica Connecticut

Question	T / F / NA	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	3.8C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	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.	True	
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	
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.	True	
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	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	N/A	

220-11150

C+S- Pioneer midler Quarterly

Trip Blank: 8

200

Air:

Date Received: 12/22/09

BB

Sample #s: 1-8

Soil:

Water: 1-8

Locations: K-166

[illegible]

Analytical Report

Work Order: RSL0879

Project Description

Midler Quarterly Groundwater Program (Inorganic)

For:

Steve Vinci

C & S Engineers, Inc. - Syracuse, NY

499 Col. Eileen Collins Blvd.

Syracuse, NY 13212



Melissa Deyo For Paul Morrow

Project Manager

melissa.deyo@testamericainc.com

Friday, January 8, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

TestAmerica Buffalo Current Certifications

As of 1/27/2009

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T10470441208-TX
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Received: 12/22/09
Reported: 01/08/10 13:58

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

There are pertinent documents appended to this report, 11 pages, are included and are an integral part of this report. Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Received: 12/22/09
Reported: 01/08/10 13:58

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
CF6	Results confirmed by reanalysis.
D04	Dilution required due to high levels of non-target compounds
D08	Dilution required due to high concentration of target analyte(s)
HFT	The holding time for this test is immediate. It was analyzed in the laboratory as soon as possible after receipt.
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
MNR	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Received: 12/22/09
Reported: 01/08/10 13:58

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSL0879-01 (MW-13D - Water)						Sampled: 12/21/09 10:05		Recvd: 12/22/09 10:20		
<u>Total Metals by SW 846 Series Methods</u>										
Iron	5.24		0.050	0.019	mg/L	1.00	12/28/09 15:32	AMH	9L23040	6010B
<u>General Chemistry Parameters</u>										
Sulfide	9.6		1.0	0.7	mg/L	1.00	12/28/09 12:00	KLD	9L28047	4500-S F
<u>General Chemistry Parameters - Dissolved</u>										
Ferrous Iron	0.255	HFT	0.100	0.0750	mg/L	1.00	12/22/09 22:10	JME	9L22082	3500D
Total Organic Carbon	32.7	D08	2.0	0.4	mg/L	2.00	12/23/09 16:26	KLD	9L23055	5310 D
<u>Anions by EPA Method 300.0</u>										
Sulfate	128	D08, CF6, B	4.00	0.70	mg/L	2.00	12/30/09 16:57	BWM	10A0020	300
<u>Calculated Analyses</u>										
Ferric Iron	4.98		0.100	0.0750	mg/L	1.00	12/28/09 15:32	AMH	[CALC]	3500FE -D
Sample ID: RSL0879-01RE1 (MW-13D - Water)						Sampled: 12/21/09 10:05		Recvd: 12/22/09 10:20		
<u>General Chemistry Parameters - Dissolved</u>										
Total Inorganic Carbon	19.8		10.0	NR	mg/L	10.0	01/06/10 09:55	SLP	10A0334	SM 5310C
Sample ID: RSL0879-02 (MW-14D - Water)						Sampled: 12/21/09 11:40		Recvd: 12/22/09 10:20		
<u>Total Metals by SW 846 Series Methods</u>										
Iron	0.048	J	0.050	0.019	mg/L	1.00	12/28/09 15:37	AMH	9L23040	6010B
<u>General Chemistry Parameters</u>										
Sulfide	58.4		1.0	0.7	mg/L	1.00	12/28/09 12:00	KLD	9L28047	4500-S F
<u>General Chemistry Parameters - Dissolved</u>										
Total Organic Carbon	123	D08	40.0	8.3	mg/L	40.0	12/23/09 16:26	KLD	9L23055	5310 D
<u>Anions by EPA Method 300.0</u>										
Sulfate	17.8	D04, CF6, B	4.00	0.70	mg/L	2.00	12/30/09 17:07	BWM	10A0020	300
<u>General Chemistry Parameters - Dissolved</u>										
Total Inorganic Carbon	206		10.0	NR	mg/L	10.0	01/04/10 17:55	SLP	10A0155	SM 5310C
Sample ID: RSL0879-03 (MW-10D - Water)						Sampled: 12/21/09 15:00		Recvd: 12/22/09 10:20		
<u>Total Metals by SW 846 Series Methods</u>										
Iron	0.068		0.050	0.019	mg/L	1.00	12/28/09 15:42	AMH	9L23040	6010B
<u>General Chemistry Parameters</u>										
Sulfide	14.0		1.0	0.7	mg/L	1.00	12/28/09 12:00	KLD	9L28047	4500-S F
<u>General Chemistry Parameters - Dissolved</u>										
Total Organic Carbon	4.9		1.0	0.2	mg/L	1.00	12/23/09 16:26	KLD	9L23055	5310 D
<u>Anions by EPA Method 300.0</u>										

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Received: 12/22/09
Reported: 01/08/10 13:58

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSL0879-03 (MW-10D - Water) - cont.					Sampled: 12/21/09 15:00			Recvd: 12/22/09 10:20		
<u>Anions by EPA Method 300.0 - cont.</u>										
Sulfate	684	D08, B	20.0	3.49	mg/L	10.0	12/30/09 17:17	BWM	10A0020	300
Sample ID: RSL0879-03RE1 (MW-10D - Water)					Sampled: 12/21/09 15:00			Recvd: 12/22/09 10:20		
<u>General Chemistry Parameters - Dissolved</u>										
Total Inorganic Carbon	54.7		10.0	NR	mg/L	10.0	01/06/10 09:55	SLP	10A0334	SM 5310C
Sample ID: RSL0879-04 (MW-15D - Water)					Sampled: 12/21/09 14:20			Recvd: 12/22/09 10:20		
<u>Total Metals by SW 846 Series Methods</u>										
Iron	0.055		0.050	0.019	mg/L	1.00	12/28/09 16:08	AMH	9L23040	6010B
<u>General Chemistry Parameters</u>										
Sulfide	16.4		1.0	0.7	mg/L	1.00	12/28/09 12:00	KLD	9L28047	4500-S F
<u>General Chemistry Parameters - Dissolved</u>										
Total Organic Carbon	10.6		1.0	0.2	mg/L	1.00	12/23/09 16:26	KLD	9L23055	5310 D
<u>Anions by EPA Method 300.0</u>										
Sulfate	441	D08, B	20.0	3.49	mg/L	10.0	12/30/09 17:28	BWM	10A0020	300
Sample ID: RSL0879-04RE1 (MW-15D - Water)					Sampled: 12/21/09 14:20			Recvd: 12/22/09 10:20		
<u>General Chemistry Parameters - Dissolved</u>										
Total Inorganic Carbon	104		10.0	NR	mg/L	10.0	01/06/10 09:55	SLP	10A0334	SM 5310C
Sample ID: RSL0879-05 (MW-16D - Water)					Sampled: 12/21/09 09:45			Recvd: 12/22/09 10:20		
<u>Total Metals by SW 846 Series Methods</u>										
Iron	0.138		0.050	0.019	mg/L	1.00	12/28/09 16:24	AMH	9L23040	6010B
<u>General Chemistry Parameters</u>										
Sulfide	17.2		1.0	0.7	mg/L	1.00	12/28/09 12:00	KLD	9L28047	4500-S F
<u>General Chemistry Parameters - Dissolved</u>										
Total Organic Carbon	27.2	D08	4.0	0.8	mg/L	4.00	12/29/09 17:24	MDM	9L29060	5310 D
<u>Anions by EPA Method 300.0</u>										
Sulfate	155	D08, CF6, B	4.00	0.70	mg/L	2.00	12/30/09 17:38	BWM	10A0020	300
<u>Calculated Analyses</u>										
Ferric Iron	0.138		0.100	0.0750	mg/L	1.00	12/28/09 16:24	AMH	[CALC]	3500FE -D
<u>General Chemistry Parameters - Dissolved</u>										
Total Inorganic Carbon	117		10.0	NR	mg/L	10.0	01/04/10 17:55	SLP	10A0155	SM 5310C
Sample ID: RSL0879-06 (MW-9D - Water)					Sampled: 12/21/09 13:40			Recvd: 12/22/09 10:20		
<u>Total Metals by SW 846 Series Methods</u>										
Iron	0.095		0.050	0.019	mg/L	1.00	12/28/09 16:29	AMH	9L23040	6010B

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Received: 12/22/09
Reported: 01/08/10 13:58

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSL0879-06 (MW-9D - Water) - cont.						Sampled: 12/21/09 13:40		Recvd: 12/22/09 10:20		
<u>General Chemistry Parameters</u>										
Sulfide	14.0		1.0	0.7	mg/L	1.00	12/28/09 12:00	KLD	9L28047	4500-S F
<u>General Chemistry Parameters - Dissolved</u>										
Total Organic Carbon	6.1		1.0	0.2	mg/L	1.00	12/23/09 16:26	KLD	9L23055	5310 D
<u>Anions by EPA Method 300.0</u>										
Sulfate	377	D08, B	20.0	3.49	mg/L	10.0	12/30/09 17:48	BWM	10A0020	300
<u>Calculated Analyses</u>										
Ferric Iron	0.0946		0.100	0.0750	mg/L	1.00	12/28/09 16:29	AMH	[CALC]	3500FE -D
Sample ID: RSL0879-06RE1 (MW-9D - Water)						Sampled: 12/21/09 13:40		Recvd: 12/22/09 10:20		
<u>General Chemistry Parameters - Dissolved</u>										
Total Inorganic Carbon	56.6		10.0	NR	mg/L	10.0	01/06/10 09:55	SLP	10A0334	SM 5310C
Sample ID: RSL0879-07 (MW-2D - Water)						Sampled: 12/21/09 12:20		Recvd: 12/22/09 10:20		
<u>Total Metals by SW 846 Series Methods</u>										
Iron	0.176		0.050	0.019	mg/L	1.00	12/28/09 16:34	AMH	9L23040	6010B
<u>General Chemistry Parameters</u>										
Sulfide	0.8	J	1.0	0.7	mg/L	1.00	12/28/09 12:00	KLD	9L28047	4500-S F
<u>General Chemistry Parameters - Dissolved</u>										
Total Organic Carbon	2.9		1.0	0.2	mg/L	1.00	12/29/09 17:24	MDM	9L29060	5310 D
<u>Anions by EPA Method 300.0</u>										
Sulfate	589	D08, B	20.0	3.49	mg/L	10.0	12/30/09 17:58	BWM	10A0020	300
<u>Calculated Analyses</u>										
Ferric Iron	0.176		0.100	0.0750	mg/L	1.00	12/28/09 16:34	AMH	[CALC]	3500FE -D
Sample ID: RSL0879-07RE1 (MW-2D - Water)						Sampled: 12/21/09 12:20		Recvd: 12/22/09 10:20		
<u>General Chemistry Parameters - Dissolved</u>										
Total Inorganic Carbon	49.8		10.0	NR	mg/L	10.0	01/06/10 09:55	SLP	10A0334	SM 5310C

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Received: 12/22/09
Reported: 01/08/10 13:58

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
MW-13D	RSL0879-01	Water	12/21/09 10:05	12/22/09 10:20	
MW-14D	RSL0879-02	Water	12/21/09 11:40	12/22/09 10:20	
MW-10D	RSL0879-03	Water	12/21/09 15:00	12/22/09 10:20	
MW-15D	RSL0879-04	Water	12/21/09 14:20	12/22/09 10:20	
MW-16D	RSL0879-05	Water	12/21/09 09:45	12/22/09 10:20	
MW-9D	RSL0879-06	Water	12/21/09 13:40	12/22/09 10:20	
MW-2D	RSL0879-07	Water	12/21/09 12:20	12/22/09 10:20	

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Received: 12/22/09
Reported: 01/08/10 13:58

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSL0879-01 (MW-13D - Water)						Sampled: 12/21/09 10:05		Recvd: 12/22/09 10:20		
<u>Total Metals by SW 846 Series Methods</u>										
Iron	5.24		0.050	0.019	mg/L	1.00	12/28/09 15:32	AMH	9L23040	6010B
<u>General Chemistry Parameters</u>										
Nitrate	ND		0.050	0.011	mg/L-N	1.00	12/22/09 18:50	JFR	9L22054	353.2
Sulfide	9.6		1.0	0.7	mg/L	1.00	12/28/09 12:00	KLD	9L28047	4500-S F
<u>General Chemistry Parameters - Dissolved</u>										
Ferrous Iron	0.255	HFT	0.100	0.0750	mg/L	1.00	12/22/09 22:10	JME	9L22082	3500D
Total Organic Carbon	32.7	D08	2.0	0.4	mg/L	2.00	12/23/09 16:26	KLD	9L23055	5310 D
<u>Anions by EPA Method 300.0</u>										
Sulfate	128	D08, CF6, B	4.00	0.70	mg/L	2.00	12/30/09 16:57	BWM	10A0020	300
<u>Calculated Analyses</u>										
Ferric Iron	4.98		0.100	0.0750	mg/L	1.00	12/28/09 15:32	AMH	[CALC]	3500FE -D

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Received: 12/22/09
Reported: 01/08/10 13:58

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSL0879-01RE1 (MW-13D - Water)						Sampled: 12/21/09 10:05		Recvd: 12/22/09 10:20		
<u>General Chemistry Parameters - Dissolved</u>										
Total Inorganic Carbon	19.8		10.0	NR	mg/L	10.0	01/06/10 09:55	SLP	10A0334	SM 5310C

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Received: 12/22/09
Reported: 01/08/10 13:58

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSL0879-02 (MW-14D - Water)						Sampled: 12/21/09 11:40		Recvd: 12/22/09 10:20		
<u>Total Metals by SW 846 Series Methods</u>										
Iron	0.048	J	0.050	0.019	mg/L	1.00	12/28/09 15:37	AMH	9L23040	6010B
<u>General Chemistry Parameters</u>										
Nitrate	ND		0.050	0.011	mg/L-N	1.00	12/22/09 18:51	JFR	9L22054	353.2
Sulfide	58.4		1.0	0.7	mg/L	1.00	12/28/09 12:00	KLD	9L28047	4500-S F
<u>General Chemistry Parameters - Dissolved</u>										
Ferrous Iron	ND	HFT	0.100	0.0750	mg/L	1.00	12/22/09 22:10	JME	9L22082	3500D
Total Organic Carbon	123	D08	40.0	8.3	mg/L	40.0	12/23/09 16:26	KLD	9L23055	5310 D
<u>Anions by EPA Method 300.0</u>										
Sulfate	17.8	D04, CF6, B	4.00	0.70	mg/L	2.00	12/30/09 17:07	BWM	10A0020	300
<u>Calculated Analyses</u>										
Ferric Iron	ND		0.100	0.0750	mg/L	1.00	12/28/09 15:37	AMH	[CALC]	3500FE -D
<u>General Chemistry Parameters - Dissolved</u>										
Total Inorganic Carbon	206		10.0	NR	mg/L	10.0	01/04/10 17:55	SLP	10A0155	SM 5310C

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Received: 12/22/09
Reported: 01/08/10 13:58

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSL0879-03 (MW-10D - Water)						Sampled: 12/21/09 15:00		Recvd: 12/22/09 10:20		
<u>Total Metals by SW 846 Series Methods</u>										
Iron	0.068		0.050	0.019	mg/L	1.00	12/28/09 15:42	AMH	9L23040	6010B
<u>General Chemistry Parameters</u>										
Nitrate	ND		0.050	0.011	mg/L-N	1.00	12/22/09 18:52	JFR	9L22054	353.2
Sulfide	14.0		1.0	0.7	mg/L	1.00	12/28/09 12:00	KLD	9L28047	4500-S F
<u>General Chemistry Parameters - Dissolved</u>										
Ferrous Iron	ND	HFT	0.100	0.0750	mg/L	1.00	12/22/09 22:10	JME	9L22082	3500D
Total Organic Carbon	4.9		1.0	0.2	mg/L	1.00	12/23/09 16:26	KLD	9L23055	5310 D
<u>Anions by EPA Method 300.0</u>										
Sulfate	684	D08, B	20.0	3.49	mg/L	10.0	12/30/09 17:17	BWM	10A0020	300
<u>Calculated Analyses</u>										
Ferric Iron	ND		0.100	0.0750	mg/L	1.00	12/28/09 15:42	AMH	[CALC]	3500FE -D

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Received: 12/22/09
Reported: 01/08/10 13:58

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSL0879-03RE1 (MW-10D - Water)					Sampled: 12/21/09 15:00			Recvd: 12/22/09 10:20		
<u>General Chemistry Parameters - Dissolved</u>										
Total Inorganic Carbon	54.7		10.0	NR	mg/L	10.0	01/06/10 09:55	SLP	10A0334	SM 5310C

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Received: 12/22/09
Reported: 01/08/10 13:58

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSL0879-04 (MW-15D - Water)						Sampled: 12/21/09 14:20		Recvd: 12/22/09 10:20		
<u>Total Metals by SW 846 Series Methods</u>										
Iron	0.055		0.050	0.019	mg/L	1.00	12/28/09 16:08	AMH	9L23040	6010B
<u>General Chemistry Parameters</u>										
Nitrate	ND		0.050	0.011	mg/L-N	1.00	12/22/09 18:53	JFR	9L22054	353.2
Sulfide	16.4		1.0	0.7	mg/L	1.00	12/28/09 12:00	KLD	9L28047	4500-S F
<u>General Chemistry Parameters - Dissolved</u>										
Ferrous Iron	ND	HFT	0.100	0.0750	mg/L	1.00	12/22/09 22:10	JME	9L22082	3500D
Total Organic Carbon	10.6		1.0	0.2	mg/L	1.00	12/23/09 16:26	KLD	9L23055	5310 D
<u>Anions by EPA Method 300.0</u>										
Sulfate	441	D08, B	20.0	3.49	mg/L	10.0	12/30/09 17:28	BWM	10A0020	300
<u>Calculated Analyses</u>										
Ferric Iron	ND		0.100	0.0750	mg/L	1.00	12/28/09 16:08	AMH	[CALC]	3500FE -D

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Received: 12/22/09
Reported: 01/08/10 13:58

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSL0879-04RE1 (MW-15D - Water)						Sampled: 12/21/09 14:20		Recvd: 12/22/09 10:20		
<u>General Chemistry Parameters - Dissolved</u>										
Total Inorganic Carbon	104		10.0	NR	mg/L	10.0	01/06/10 09:55	SLP	10A0334	SM 5310C

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Received: 12/22/09
Reported: 01/08/10 13:58

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSL0879-05 (MW-16D - Water)						Sampled: 12/21/09 09:45		Recvd: 12/22/09 10:20		
<u>Total Metals by SW 846 Series Methods</u>										
Iron	0.138		0.050	0.019	mg/L	1.00	12/28/09 16:24	AMH	9L23040	6010B
<u>General Chemistry Parameters</u>										
Nitrate	ND		0.050	0.011	mg/L-N	1.00	12/22/09 18:54	JFR	9L22054	353.2
Sulfide	17.2		1.0	0.7	mg/L	1.00	12/28/09 12:00	KLD	9L28047	4500-S F
<u>General Chemistry Parameters - Dissolved</u>										
Ferrous Iron	ND	HFT	0.100	0.0750	mg/L	1.00	12/22/09 22:10	JME	9L22082	3500D
Total Organic Carbon	27.2	D08	4.0	0.8	mg/L	4.00	12/29/09 17:24	MDM	9L29060	5310 D
<u>Anions by EPA Method 300.0</u>										
Sulfate	155	D08, CF6, B	4.00	0.70	mg/L	2.00	12/30/09 17:38	BWM	10A0020	300
<u>Calculated Analyses</u>										
Ferric Iron	0.138		0.100	0.0750	mg/L	1.00	12/28/09 16:24	AMH	[CALC]	3500FE -D
<u>General Chemistry Parameters - Dissolved</u>										
Total Inorganic Carbon	117		10.0	NR	mg/L	10.0	01/04/10 17:55	SLP	10A0155	SM 5310C

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Received: 12/22/09
Reported: 01/08/10 13:58

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSL0879-06 (MW-9D - Water)						Sampled: 12/21/09 13:40		Recvd: 12/22/09 10:20		
<u>Total Metals by SW 846 Series Methods</u>										
Iron	0.095		0.050	0.019	mg/L	1.00	12/28/09 16:29	AMH	9L23040	6010B
<u>General Chemistry Parameters</u>										
Nitrate	ND		0.050	0.011	mg/L-N	1.00	12/22/09 18:55	JFR	9L22054	353.2
Sulfide	14.0		1.0	0.7	mg/L	1.00	12/28/09 12:00	KLD	9L28047	4500-S F
<u>General Chemistry Parameters - Dissolved</u>										
Ferrous Iron	ND	HFT	0.100	0.0750	mg/L	1.00	12/22/09 22:10	JME	9L22082	3500D
Total Organic Carbon	6.1		1.0	0.2	mg/L	1.00	12/23/09 16:26	KLD	9L23055	5310 D
<u>Anions by EPA Method 300.0</u>										
Sulfate	377	D08, B	20.0	3.49	mg/L	10.0	12/30/09 17:48	BWM	10A0020	300
<u>Calculated Analyses</u>										
Ferric Iron	0.0946		0.100	0.0750	mg/L	1.00	12/28/09 16:29	AMH	[CALC]	3500FE -D

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Received: 12/22/09
Reported: 01/08/10 13:58

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSL0879-06RE1 (MW-9D - Water)						Sampled: 12/21/09 13:40		Recvd: 12/22/09 10:20		
<u>General Chemistry Parameters - Dissolved</u>										
Total Inorganic Carbon	56.6		10.0	NR	mg/L	10.0	01/06/10 09:55	SLP	10A0334	SM 5310C

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Received: 12/22/09
Reported: 01/08/10 13:58

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSL0879-07 (MW-2D - Water)						Sampled: 12/21/09 12:20		Recvd: 12/22/09 10:20		
<u>Total Metals by SW 846 Series Methods</u>										
Iron	0.176		0.050	0.019	mg/L	1.00	12/28/09 16:34	AMH	9L23040	6010B
<u>General Chemistry Parameters</u>										
Nitrate	ND		0.050	0.011	mg/L-N	1.00	12/22/09 18:56	JFR	9L22054	353.2
Sulfide	0.8	J	1.0	0.7	mg/L	1.00	12/28/09 12:00	KLD	9L28047	4500-S F
<u>General Chemistry Parameters - Dissolved</u>										
Ferrous Iron	ND	HFT	0.100	0.0750	mg/L	1.00	12/22/09 22:10	JME	9L22082	3500D
Total Organic Carbon	2.9		1.0	0.2	mg/L	1.00	12/29/09 17:24	MDM	9L29060	5310 D
<u>Anions by EPA Method 300.0</u>										
Sulfate	589	D08, B	20.0	3.49	mg/L	10.0	12/30/09 17:58	BWM	10A0020	300
<u>Calculated Analyses</u>										
Ferric Iron	0.176		0.100	0.0750	mg/L	1.00	12/28/09 16:34	AMH	[CALC]	3500FE -D

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Received: 12/22/09
Reported: 01/08/10 13:58

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSL0879-07RE1 (MW-2D - Water)					Sampled: 12/21/09 12:20			Recvd: 12/22/09 10:20		
<u>General Chemistry Parameters - Dissolved</u>										
Total Inorganic Carbon	49.8		10.0	NR	mg/L	10.0	01/06/10 09:55	SLP	10A0334	SM 5310C

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Received: 12/22/09
Reported: 01/08/10 13:58

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Anions by EPA Method 300.0									
300	10A0020	RSL0879-01	5.00	mL	5.00	mL	12/30/09 16:37	BWM	Direct Injection - Anions
300	10A0020	RSL0879-02	5.00	mL	5.00	mL	12/30/09 16:37	BWM	Direct Injection - Anions
300	10A0020	RSL0879-03	5.00	mL	5.00	mL	12/30/09 16:37	BWM	Direct Injection - Anions
300	10A0020	RSL0879-04	5.00	mL	5.00	mL	12/30/09 16:37	BWM	Direct Injection - Anions
300	10A0020	RSL0879-05	5.00	mL	5.00	mL	12/30/09 16:37	BWM	Direct Injection - Anions
300	10A0020	RSL0879-06	5.00	mL	5.00	mL	12/30/09 16:37	BWM	Direct Injection - Anions
300	10A0020	RSL0879-07	5.00	mL	5.00	mL	12/30/09 16:37	BWM	Direct Injection - Anions
Calculated Analyses									
3500FE -D	[CALC]	RSL0879-01	1.00		1.00		12/28/09 09:00		[CALC]
3500FE -D	[CALC]	RSL0879-02	1.00		1.00		12/28/09 09:00		[CALC]
3500FE -D	[CALC]	RSL0879-03	1.00		1.00		12/28/09 09:00		[CALC]
3500FE -D	[CALC]	RSL0879-04	1.00		1.00		12/28/09 09:00		[CALC]
3500FE -D	[CALC]	RSL0879-05	1.00		1.00		12/28/09 09:00		[CALC]
3500FE -D	[CALC]	RSL0879-06	1.00		1.00		12/28/09 09:00		[CALC]
3500FE -D	[CALC]	RSL0879-07	1.00		1.00		12/28/09 09:00		[CALC]
General Chemistry Parameters									
353.2	9L22054	RSL0879-01	5.00	mL	5.00	mL	12/22/09 18:37	RMB	Nitrate/Nitrite
353.2	9L22054	RSL0879-02	5.00	mL	5.00	mL	12/22/09 18:37	RMB	Nitrate/Nitrite
353.2	9L22054	RSL0879-03	5.00	mL	5.00	mL	12/22/09 18:37	RMB	Nitrate/Nitrite
353.2	9L22054	RSL0879-04	5.00	mL	5.00	mL	12/22/09 18:37	RMB	Nitrate/Nitrite
353.2	9L22054	RSL0879-05	5.00	mL	5.00	mL	12/22/09 18:37	RMB	Nitrate/Nitrite
353.2	9L22054	RSL0879-06	5.00	mL	5.00	mL	12/22/09 18:37	RMB	Nitrate/Nitrite
353.2	9L22054	RSL0879-07	5.00	mL	5.00	mL	12/22/09 18:37	RMB	Nitrate/Nitrite
4500-S F	9L28047	RSL0879-01	100.00	mL	100.00	mL	12/28/09 12:00	KLD	No prep Sulfide
4500-S F	9L28047	RSL0879-02	100.00	mL	100.00	mL	12/28/09 12:00	KLD	No prep Sulfide
4500-S F	9L28047	RSL0879-03	100.00	mL	100.00	mL	12/28/09 12:00	KLD	No prep Sulfide
4500-S F	9L28047	RSL0879-04	100.00	mL	100.00	mL	12/28/09 12:00	KLD	No prep Sulfide
4500-S F	9L28047	RSL0879-05	100.00	mL	100.00	mL	12/28/09 12:00	KLD	No prep Sulfide
4500-S F	9L28047	RSL0879-06	100.00	mL	100.00	mL	12/28/09 12:00	KLD	No prep Sulfide
4500-S F	9L28047	RSL0879-07	100.00	mL	100.00	mL	12/28/09 12:00	KLD	No prep Sulfide
General Chemistry Parameters - Dissolved									
3500D	9L22082	RSL0879-01	25.00	mL	25.00	mL	12/22/09 22:10	JME	Direct
3500D	9L22082	RSL0879-02	25.00	mL	25.00	mL	12/22/09 22:10	JME	Direct
3500D	9L22082	RSL0879-03	25.00	mL	25.00	mL	12/22/09 22:10	JME	Direct
3500D	9L22082	RSL0879-04	25.00	mL	25.00	mL	12/22/09 22:10	JME	Direct
3500D	9L22082	RSL0879-05	25.00	mL	25.00	mL	12/22/09 22:10	JME	Direct

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Received: 12/22/09
Reported: 01/08/10 13:58

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
3500D	9L22082	RSL0879-06	25.00	mL	25.00	mL	12/22/09 22:10	JME	Direct
3500D	9L22082	RSL0879-07	25.00	mL	25.00	mL	12/22/09 22:10	JME	Direct
5310 D	9L23055	RSL0879-01	40.00	mL	40.00	mL	12/23/09 16:26	KLD	No prep Carbon
5310 D	9L23055	RSL0879-02	40.00	mL	40.00	mL	12/23/09 16:26	KLD	No prep Carbon
5310 D	9L23055	RSL0879-03	40.00	mL	40.00	mL	12/23/09 16:26	KLD	No prep Carbon
5310 D	9L23055	RSL0879-04	40.00	mL	40.00	mL	12/23/09 16:26	KLD	No prep Carbon
5310 D	9L23055	RSL0879-06	40.00	mL	40.00	mL	12/23/09 16:26	KLD	No prep Carbon
5310 D	9L29060	RSL0879-05	40.00	mL	40.00	mL	12/29/09 17:24	KLD	No prep Carbon
5310 D	9L29060	RSL0879-07	40.00	mL	40.00	mL	12/29/09 17:24	KLD	No prep Carbon
Total Metals by SW 846 Series Methods									
6010B	9L23040	RSL0879-01	50.00	mL	50.00	mL	12/28/09 09:00	JRK	3005A
6010B	9L23040	RSL0879-02	50.00	mL	50.00	mL	12/28/09 09:00	JRK	3005A
6010B	9L23040	RSL0879-03	50.00	mL	50.00	mL	12/28/09 09:00	JRK	3005A
6010B	9L23040	RSL0879-04	50.00	mL	50.00	mL	12/28/09 09:00	JRK	3005A
6010B	9L23040	RSL0879-05	50.00	mL	50.00	mL	12/28/09 09:00	JRK	3005A
6010B	9L23040	RSL0879-06	50.00	mL	50.00	mL	12/28/09 09:00	JRK	3005A
6010B	9L23040	RSL0879-07	50.00	mL	50.00	mL	12/28/09 09:00	JRK	3005A

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Received: 12/22/09
Reported: 01/08/10 13:58

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Blank Analyzed: 12/28/09 (Lab Number:9L23040-BLK1, Batch: 9L23040)											
Iron			0.050	0.019	mg/L	ND					
LCS Analyzed: 12/28/09 (Lab Number:9L23040-BS1, Batch: 9L23040)											
Iron		10.0	0.050	0.019	mg/L	9.83	98	80-120			
Matrix Spike Analyzed: 12/28/09 (Lab Number:9L23040-MS1, Batch: 9L23040)											
QC Source Sample: RSL0879-03											
Iron	0.0677	10.0	0.050	0.019	mg/L	9.57	95	75-125			
Matrix Spike Dup Analyzed: 12/28/09 (Lab Number:9L23040-MSD1, Batch: 9L23040)											
QC Source Sample: RSL0879-03											
Iron	0.0677	10.0	0.050	0.019	mg/L	9.55	95	75-125	0.2	20	

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Received: 12/22/09
Reported: 01/08/10 13:58

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

General Chemistry Parameters

Blank Analyzed: 12/22/09 (Lab Number:9L22054-BLK1, Batch: 9L22054)

Nitrate			0.050	0.011	mg/L-N	ND					

LCS Analyzed: 12/22/09 (Lab Number:9L22054-BS1, Batch: 9L22054)

Nitrate		1.50	0.050	0.011	mg/L-N	1.57	105	90-110			

General Chemistry Parameters

Blank Analyzed: 12/28/09 (Lab Number:9L28047-BLK1, Batch: 9L28047)

Sulfide			1.0	0.7	mg/L	ND					

LCS Analyzed: 12/28/09 (Lab Number:9L28047-BS1, Batch: 9L28047)

Sulfide		10.0	1.0	0.7	mg/L	9.20	92	90-113			

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Received: 12/22/09
Reported: 01/08/10 13:58

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers

General Chemistry Parameters - Dissolved

Blank Analyzed: 12/22/09 (Lab Number:9L22082-BLK1, Batch: 9L22082)

Ferrous Iron			0.100	0.0750	mg/L	ND					

LCS Analyzed: 12/22/09 (Lab Number:9L22082-BS1, Batch: 9L22082)

Ferrous Iron		2.00	0.100	0.0750	mg/L	2.12	106	90-110			

Duplicate Analyzed: 12/22/09 (Lab Number:9L22082-DUP1, Batch: 9L22082)

QC Source Sample: RSL0879-07

Ferrous Iron	ND		0.100	0.0750	mg/L	ND				20	

Matrix Spike Analyzed: 12/22/09 (Lab Number:9L22082-MS1, Batch: 9L22082)

QC Source Sample: RSL0879-07

Ferrous Iron	ND	1.00	0.100	0.0750	mg/L	1.42	142	90-110			M7

General Chemistry Parameters - Dissolved

Blank Analyzed: 12/23/09 (Lab Number:9L23055-BLK1, Batch: 9L23055)

Total Organic Carbon			1.0	0.2	mg/L	ND					

LCS Analyzed: 12/23/09 (Lab Number:9L23055-BS1, Batch: 9L23055)

Total Organic Carbon		30.0	1.0	0.2	mg/L	28.7	96	90-110			

Duplicate Analyzed: 12/23/09 (Lab Number:9L23055-DUP1, Batch: 9L23055)

QC Source Sample: RSL0879-03

Total Organic Carbon	4.91		1.0	0.2	mg/L	4.79			3	20	

General Chemistry Parameters - Dissolved

Blank Analyzed: 12/29/09 (Lab Number:9L29060-BLK1, Batch: 9L29060)

Total Organic Carbon			1.0	0.2	mg/L	ND					

LCS Analyzed: 12/29/09 (Lab Number:9L29060-BS1, Batch: 9L29060)

Total Organic Carbon		30.0	1.0	0.2	mg/L	28.6	95	90-110			

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Received: 12/22/09
Reported: 01/08/10 13:58

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Anions by EPA Method 300.0</u>											
Blank Analyzed: 12/30/09 (Lab Number:10A0020-BLK1, Batch: 10A0020)											
Sulfate			2.00	0.35	mg/L	ND					
LCS Analyzed: 12/30/09 (Lab Number:10A0020-BS1, Batch: 10A0020)											
Sulfate		20.0	2.00	0.35	mg/L	21.5	108	90-110			B

C & S Engineers, Inc. - Syracuse, NY
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Work Order: RSL0879

Project: Midler Quarterly Groundwater Program (Inorganic)
Project Number: [none]

Received: 12/22/09
Reported: 01/08/10 13:58

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>General Chemistry Parameters - Dissolved</u>											
Blank Analyzed: 01/04/10 (Lab Number:10A0155-BLK1, Batch: 10A0155)											
Total Inorganic Carbon			1.00	NR	mg/L	ND					
LCS Analyzed: 01/04/10 (Lab Number:10A0155-BS1, Batch: 10A0155)											
Total Inorganic Carbon		10.0	1.00	NR	mg/L	9.32	93	90-110			MNR
<u>General Chemistry Parameters - Dissolved</u>											
Blank Analyzed: 01/06/10 (Lab Number:10A0334-BLK1, Batch: 10A0334)											
Total Inorganic Carbon			1.00	NR	mg/L	ND					
LCS Analyzed: 01/06/10 (Lab Number:10A0334-BS1, Batch: 10A0334)											
Total Inorganic Carbon		10.0	1.00	NR	mg/L	9.12	91	90-110			MNR

Client Information		Company		Analysis Requested		Lab #	
Client Contact	Phone	Company	Address	City	State	Zip	Country
Steve Vind	315-755-2000	C & S Engineers, Inc. - Syracuse, NY	499 Col. Eileen Collins Blvd.	Syracuse	NY	13212	USA
Project Name		Project #		TAT Requested (days)		TAT Requested (days)	
Midler Quarterly Groundwater Program - Inorganic		RSL0724		10		10	
Site		Site		Site		Site	
Sample Identification		Sample Date		Sample Time		Sample Matrix	
MW-13D (RSL0724-01)		12-21-09		1055		W	
MW-14D (RSL0724-02)		12-21-09		1140		W	
MW-16D (RSL0724-03)		12-21-09		1500		W	
MW-15D (RSL0724-04)		12-21-09		1420		W	
MW-16D (RSL0724-05)		12-21-09		0945		W	
MW-2D (RSL0724-06)		12-21-09		1220		W	
MW-9D (RSL0724-07)		12-21-09		1340		W	
MW-2D Matrix Spike		12-21-09		1220		W	
MW-2D Matrix Spike Duplicate		12-21-09		1220		W	
Trip Blank (14GL, 1-None)		12-21-09		1220		W	
Possible Hazard Identification		Unknown		Unknown		Unknown	
Deliverable Requested: I, II, IV, Other (specify)		ASPO on VOA's, Cat. B on the rest		ASPO on VOA's, Cat. B on the rest		ASPO on VOA's, Cat. B on the rest	
Empty Kit Relinquished by:		Date:		Date:		Date:	
Relinquished by:		Date:		Date:		Date:	
Relinquished by:		Date:		Date:		Date:	
Relinquished by:		Date:		Date:		Date:	
Custody Seal Intact:		Custody Seal No		Custody Seal No		Custody Seal No	
A Yes		A No		A No		A No	

January 06, 2010

4:19:04PM

Client: TestAmerica Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228
Attn: Paul Morrow

Work Order: NSL2612
Project Name: TA-Buffalo
Project Nbr: RSL0879
P/O Nbr:
Date Received: 12/23/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
RSL0879-01 (MW-13D)	NSL2612-01	12/21/09 10:05
RSL0879-02 (MW-14D)	NSL2612-02	12/21/09 11:40
RSL0879-03 (MW-10D)	NSL2612-03	12/21/09 15:00
RSL0879-04 (MW-15D)	NSL2612-04	12/21/09 14:20
RSL0879-05 (MW-16D)	NSL2612-05	12/21/09 09:45
RSL0879-06 (MW-9D)	NSL2612-06	12/21/09 13:40
RSL0879-07 (MW-2D)	NSL2612-07	12/21/09 12:20

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

New York Certification Number: 11342

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Debbie LaValle

Project Manager

Client TestAmerica Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228
Attn Paul Morrow

Work Order: NSL2612
Project Name: TA-Buffalo
Project Number: RSL0879
Received: 12/23/09 09:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSL2612-01 (RSL0879-01 (MW-13D) - Water) Sampled: 12/21/09 10:05								
General Chemistry Parameters - Dissolved								
Total Inorganic Carbon	19.8		mg/L	10.0	10	01/06/10 09:55	SM 5310C	10A0334
Sample ID: NSL2612-02 (RSL0879-02 (MW-14D) - Water) Sampled: 12/21/09 11:40								
General Chemistry Parameters - Dissolved								
Total Inorganic Carbon	206		mg/L	10.0	10	01/04/10 17:55	SM 5310C	10A0155
Sample ID: NSL2612-03 (RSL0879-03 (MW-10D) - Water) Sampled: 12/21/09 15:00								
General Chemistry Parameters - Dissolved								
Total Inorganic Carbon	54.7		mg/L	10.0	10	01/06/10 09:55	SM 5310C	10A0334
Sample ID: NSL2612-04 (RSL0879-04 (MW-15D) - Water) Sampled: 12/21/09 14:20								
General Chemistry Parameters - Dissolved								
Total Inorganic Carbon	104		mg/L	10.0	10	01/06/10 09:55	SM 5310C	10A0334
Sample ID: NSL2612-05 (RSL0879-05 (MW-16D) - Water) Sampled: 12/21/09 09:45								
General Chemistry Parameters - Dissolved								
Total Inorganic Carbon	117		mg/L	10.0	10	01/04/10 17:55	SM 5310C	10A0155
Sample ID: NSL2612-06 (RSL0879-06 (MW-9D) - Water) Sampled: 12/21/09 13:40								
General Chemistry Parameters - Dissolved								
Total Inorganic Carbon	56.6		mg/L	10.0	10	01/06/10 09:55	SM 5310C	10A0334
Sample ID: NSL2612-07 (RSL0879-07 (MW-2D) - Water) Sampled: 12/21/09 12:20								
General Chemistry Parameters - Dissolved								
Total Inorganic Carbon	49.8		mg/L	10.0	10	01/06/10 09:55	SM 5310C	10A0334

Client TestAmerica Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228
Attn Paul Morrow

Work Order: NSL2612
Project Name: TA-Buffalo
Project Number: RSL0879
Received: 12/23/09 09:15

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time

General Chemistry Parameters - Dissolved

10A0155-BLK1

Total Inorganic Carbon	<0.500		mg/L	10A0155	10A0155-BLK1	01/04/10 17:55

10A0334-BLK1

Total Inorganic Carbon	<0.500		mg/L	10A0334	10A0334-BLK1	01/06/10 09:55

Client TestAmerica Buffalo
 10 Hazelwood Drive, Suite 106
 Amherst, NY 14228
 Attn Paul Morrow

Work Order: NSL2612
 Project Name: TA-Buffalo
 Project Number: RSL0879
 Received: 12/23/09 09:15

PROJECT QUALITY CONTROL DATA
 Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters - Dissolved										
10A0155-DUP1										
Total Inorganic Carbon	78.8	77.1		mg/L	2	20	10A0155	NSL2060-01RE1		01/04/10 17:55
10A0334-DUP1										
Total Inorganic Carbon	54.7	63.6		mg/L	15	20	10A0334	NSL2612-03RE1		01/06/10 09:55

Client TestAmerica Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228
Attn Paul Morrow

Work Order: NSL2612
Project Name: TA-Buffalo
Project Number: RSL0879
Received: 12/23/09 09:15

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters - Dissolved								
10A0155-BS1								
Total Inorganic Carbon	10.0	9.32	MNR	mg/L	93%	90 - 110	10A0155	01/04/10 17:55
10A0334-BS1								
Total Inorganic Carbon	10.0	9.12	MNR	mg/L	91%	90 - 110	10A0334	01/06/10 09:55

Client TestAmerica Buffalo
 10 Hazelwood Drive, Suite 106
 Amherst, NY 14228
Attn Paul Morrow

Work Order: NSL2612
Project Name: TA-Buffalo
Project Number: RSL0879
Received: 12/23/09 09:15

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	AIHA	Nelac	New York
SM 5310C	Water			

Client TestAmerica Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228
Attn Paul Morrow

Work Order: NSL2612
Project Name: TA-Buffalo
Project Number: RSL0879
Received: 12/23/09 09:15

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method

SM 5310C

Matrix

Water

Analyte

Total Inorganic Carbon

Client TestAmerica Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228
Attn Paul Morrow

Work Order: NSL2612
Project Name: TA-Buffalo
Project Number: RSL0879
Received: 12/23/09 09:15

DATA QUALIFIERS AND DEFINITIONS

MNR No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.

ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

COOLER RECEIPT



NSL2612

Cooler Received/Opened On 12 / 23 / 09 @ 09:15

1. Tracking # 6825 (last 4 digits, FedEx)

Courier: Fed Ex IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 2.1 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA YES

If yes, how many and where: 1 bag

5. Were the seals intact, signed, and dated correctly? YES...NO...NA YES

6. Were custody papers inside cooler? YES...NO...NA YES

I certify that I opened the cooler and answered questions 1-6 (initial) [Signature]

7. Were custody seals on containers: YES NO and Intact YES...NO...NA NA

Were these signed and dated correctly? YES...NO...NA NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA YES

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA YES

12. Did all container labels and tags agree with custody papers? YES...NO...NA YES

13a. Were VOA vials received? YES...NO...NA YES

b. Was there any observable headspace present in any VOA vial? YES...NO...NA NA

14. Was there a Trip Blank in this cooler? YES...NO...NA NO If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (initial) [Signature]

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA NA

16. Was residual chlorine present? YES...NO...NA NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) [Signature]

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA YES

18. Did you sign the custody papers in the appropriate place? YES...NO...NA YES

19. Were correct containers used for the analysis requested? YES...NO...NA YES

20. Was sufficient amount of sample sent in each container? YES...NO...NA YES

I certify that I entered this project into LIMS and answered questions 17-20 (initial) [Signature]

I certify that I attached a label with the unique LIMS number to each container (initial) [Signature]

21. Were there Non-Conformance issues at login? YES...NO...NA NO Was a PIPE generated? YES...NO...NA NO

WORK ORDER LOGIN REVIEW**RSL0879****TestAmerica Buffalo****C & S Engineers, Inc. - Syracuse, NY**

Sample	Client ID	Sample Alias	Sample Date/Time	Received Date/Time	QC Sam
RSL0879-01	MW-13D		12/21/09 10:05	12/22/09 10:20	False
RSL0879-01	MW-13D		12/21/09 10:05	12/22/09 10:20	False
RSL0879-02	MW-14D		12/21/09 11:40	12/22/09 10:20	False
RSL0879-02	MW-14D		12/21/09 11:40	12/22/09 10:20	False
RSL0879-03	MW-10D		12/21/09 15:00	12/22/09 10:20	False
RSL0879-03	MW-10D		12/21/09 15:00	12/22/09 10:20	False
RSL0879-04	MW-15D		12/21/09 14:20	12/22/09 10:20	False
RSL0879-04	MW-15D		12/21/09 14:20	12/22/09 10:20	False
RSL0879-05	MW-16D		12/21/09 09:45	12/22/09 10:20	False
RSL0879-05	MW-16D		12/21/09 09:45	12/22/09 10:20	False
RSL0879-06	MW-9D		12/21/09 13:40	12/22/09 10:20	False
RSL0879-06	MW-9D		12/21/09 13:40	12/22/09 10:20	False
RSL0879-07	MW-2D		12/21/09 12:20	12/22/09 10:20	False
RSL0879-07	MW-2D		12/21/09 12:20	12/22/09 10:20	False

Reviewed By

Date



Geology

Hydrology

Remediation

Water Supply

January 18, 2010

Mr. Wayne N. Randall
C&S Companies
499 Col. Eileen Collins Blvd.
Syracuse, New York 13212

Re: DUSR and Data Validation Report
Middler Ave. Project
December 2009 Ground Water Sampling Event

Dear Mr. Randall:

The data usability summary report (DUSR) and data validation QA/QC review for the December 2009 ground water sampling event are enclosed with this letter. The data were mostly acceptable for TestAmerica Connecticut SDG number 220-11150. There were no data that were flagged as unusable (R) in these data packs.

A list of data validation acronyms and qualifiers is attached to assist you in interpreting the data validation reviews. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist C&S Companies.

Sincerely,
Alpha Geoscience

Donald Anne
Senior Chemist

DCA:dca
enclosures

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.



Geology
Hydrology
Remediation
Water Supply

**Data Usability Summary Report for
TestAmerica Connecticut, SDG No. 220-11150**

**7 Ground Water Samples and 1 Trip Blank
Collected December 21, 2009**

Prepared by: Donald Anné
January 18, 2010

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results for 7 ground water samples and 1 trip blank analyzed for volatiles.

The overall performances of the analyses are acceptable. TestAmerica Connecticut did fulfill the requirements of the analytical method.

The data are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The positive volatile results for acetone and methylene chloride were flagged as “not detected” (U) in all 7 ground water samples and the trip blank because the levels reported in the samples were not significantly greater (more than 10 times) than the highest associated blank level.

All data are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



Geology
Hydrology
Remediation
Water Supply

**QA/QC Review of Volatiles Data for
TestAmerica Connecticut, SDG No. 220-11150**

**7 Ground Water Samples and 1 Trip Blank
Collected December 21, 2009**

Prepared by: Donald Anné
January 18, 2010

Holding Times: Samples were analyzed within NYSDEC ASP holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The target compounds with maximum %RSDs (20.5%) criteria met this requirement. The RRFs for trichloroethene were below the minimum criteria (0.300) for MSY on 12-17-09, but were not below 0.010. No action is taken on two or fewer compounds not meeting criteria, provide the %RSDs were not above 40% and the RRFs were not below 0.010.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum, as required.

Continuing Calibration: The target compounds with maximum %Ds (25%) criteria met this requirement. The RRF50 for trichloroethene was below the minimum criteria (0.300) on 12-30-09 (Y9416.D), but was not below 0.010. No action is taken on two or fewer compounds not meeting criteria, provide the %Ds were not above 40% and the RRF50s were not below 0.010.

The RRF50s for target compounds were above the allowable minimum (0.010), as required.

The %Ds for acetone and 2-butanone were above the allowable maximum (25%) on 12-30-09 (Y9416.D). Positive results for these 2 compounds should be considered estimated (J) in associated samples.

Blanks: Method blank MB 220-32045/2 contained traces of acetone (0.524 ug/L) and methylene chloride (0.616 ug/L). The trip blank contained a trace of carbon disulfide (0.10 ug/L), dichlorodifluoromethane (0.12 ug/L), and 1,2,4-trichlorobenzene (0.12 ug/L).

Positive results for acetone and methylene chloride that are less than ten times the highest blank level should be reported as not detected (U) in associated samples. Positive results for carbon disulfide, dichlorodifluoromethane, and 1,2,4-trichlorobenzene that are less than five times the highest blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within QC limits for MS/MSD sample MW-2D.

Laboratory Control Sample: The percent recoveries were within QC limits for the following samples LCS 220-34907/2 and MSB 220-34907/12.

Compound ID: Checked compounds were within GC/MS quantitation and qualification limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

Certificate of Analysis: Quantitative Gene-Trac *Dehalococcoides* Assay

Customer: Steve Vinci, C & S Engineers Inc.

SiREM Reference: S-1798

Project: Midler

Report Issued: 8-Jan-10

Customer Reference: C81.007.001

Data Files: iQ5-DHC-QPCR-571
DHC-QPCR-Check-gel-0399
DB-DHC-QPCR-0064

Table 1a: Test Results

Customer Sample ID	SiREM Sample ID	Sample Collection Date	Sample Matrix	Percent Dhc ^A	<i>Dehalococcoides</i> Enumeration ^B
MW-13D	DHC-5815	21-Dec-09	Groundwater	7-20%	3 x 10 ⁸ /liter
MW-14D	DHC-5816	21-Dec-09	Groundwater	2-5%	3 x 10 ⁷ /liter
MW-10D	DHC-5817	21-Dec-09	Groundwater	2-5%	2 x 10 ⁷ /liter
MW-15D	DHC-5818	21-Dec-09	Groundwater	0.0008-0.002%	1 x 10 ⁴ /liter
MW-16D	DHC-5819	21-Dec-09	Groundwater	3-9%	2 x 10 ⁷ /liter
MW-2D	DHC-5820	21-Dec-09	Groundwater	0.003-0.008%	1 x 10 ⁴ /liter
MW-9D	DHC-5821	21-Dec-09	Groundwater	0.004-0.01%	3 x 10 ⁴ /liter

Notes:

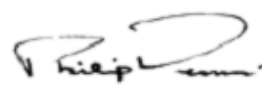
^A Percent *Dehalococcoides* (Dhc) in microbial population. This value is calculated by dividing the number of Dhc 16S ribosomal ribonucleic acid (rRNA) gene copies by the total number of bacteria as estimated by the mass of DNA extracted from the sample. Range represents normal variation in Dhc enumeration.

^BBased on quantification of Dhc 16S rRNA gene copies. Dhc are generally reported to contain one 16S rRNA gene copy per cell; therefore, this number is often interpreted to represent the number of Dhc cells present in the sample.

Analyst:


Julie Pring
Biotechnology Technologist

Approved:


Philip Dennis, M.A.Sc.
Technology Manager

Certificate of Analysis: Gene-Trac-VC, Vinyl Chloride Reductase (*vcrA*) Assay

Customer: Steve Vinci, C & S Engineers Inc.

Project: Midler

Customer Reference: C81.007.001

SiREM Reference: S-1798

Report Issued: 8-Jan-10

Data Files: MyiQ-VC-QPCR-0254
VC-QPCR-Check-gel-0277
DB-VC-QPCR-0048

Table 1b: Test Results

Customer Sample ID	SiREM Sample ID	Sample Collection Date	Sample Matrix	Percent <i>vcrA</i> ^A	Vinyl Chloride Reductase (<i>vcrA</i>) Gene Copies
MW-13D	VCR-1642	21-Dec-09	Groundwater	9-24%	4 x 10 ⁸ /liter
MW-14D	VCR-1643	21-Dec-09	Groundwater	0.7-2%	1 x 10 ⁷ /liter ⁽¹⁾
MW-10D	VCR-1644	21-Dec-09	Groundwater	6-17%	7 x 10 ⁷ /liter
MW-15D	VCR-1645	21-Dec-09	Groundwater	0.003-0.008%	4 x 10 ⁴ /liter ⁽¹⁾
MW-16D	VCR-1646	21-Dec-09	Groundwater	0.4-1%	3 x 10 ⁶ /liter ⁽¹⁾
MW-2D	VCR-1647	21-Dec-09	Groundwater	0.002-0.005%	8 x 10 ³ /liter ⁽¹⁾
MW-9D	VCR-1648	21-Dec-09	Groundwater	0.005-0.01%	4 x 10 ⁴ /liter ⁽¹⁾

Notes:

^A Percent *vcrA* in microbial population. This value is calculated by dividing the number of vinyl chloride reductase A (*vcrA*) gene copies quantified by the total number of bacteria estimated to be in the sample based on the mass of DNA extracted from the sample. Range represents normal variation in enumeration of *vcrA*.

¹Correction factor applied to account for DNA blank background.

Analyst: 
Jennifer Wilkinson
Biotechnology Technologist

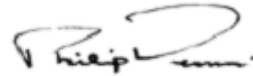
Approved: 
Philip Dennis, M.A.Sc.
Technology Manager

Table 2.1: Detailed Test Parameters, Gene-Trac Test Reference S-1798

Customer Sample ID	MW-13D	MW-14D	MW-10D	MW-15D
SiREM Sample ID	DHC-5815/VCR-1642	DHC-5816/VCR-1643	DHC-5817/VCR-1644	DHC-5818/VCR-1645
Date Received	22-Dec-09	22-Dec-09	22-Dec-09	22-Dec-09
Sample Temperature	2 °C	2 °C	2 °C	2 °C
Filtration Date	23-Dec-09	23-Dec-09	23-Dec-09	23-Dec-09
Volume Used for DNA Extraction	200 mL	400 mL	500 mL	500 mL
DNA Extraction Date	24-Dec-09	24-Dec-09	24-Dec-09	24-Dec-09
DNA Concentration in Sample (extractable)	9034 ng/L	4329 ng/L	2193 ng/L	2837 ng/L
PCR Amplifiable DNA	Detected	Detected	Detected	Detected
Dhc qPCR Date Analyzed	31-Dec-09	31-Dec-09	31-Dec-09	31-Dec-09
vcrA qPCR Analysis Date	5-Jan-10	5-Jan-10	5-Jan-10	5-Jan-10
qPCR Controls (see Table 3 & 4)	Passed	Passed	Passed	Passed
Comments	--	--	--	--

Notes:

Refer to Table 3 for detailed results of controls.

ND = not detected

°C = degrees Celsius

PCR = polymerase chain reaction

qPCR = quantitative PCR

 Dhc = *Dehalococcoides*

vcrA = vinyl chloride reductase

ng/L = nanograms per liter

mL = milliliters

DNA = Deoxyribonucleic acid

Table 2.2: Detailed Test Parameters, Gene-Trac Test Reference S-1798

Customer Sample ID	MW-16D	MW-2D	MW-9D
SiREM Sample ID	DHC-5819/VCR-1646	DHC-5820/VCR-1647	DHC-5821/VCR-1648
Date Received	22-Dec-09	22-Dec-09	22-Dec-09
Sample Temperature	2 °C	2 °C	2 °C
Filtration Date	23-Dec-09	23-Dec-09	23-Dec-09
Volume Used for DNA Extraction	500 mL	500 mL	500 mL
DNA Extraction Date	24-Dec-09	24-Dec-09	24-Dec-09
DNA Concentration in Sample (extractable)	1520 ng/L	995 ng/L	1655 ng/L
PCR Amplifiable DNA	Detected	Detected	Detected
Dhc qPCR Date Analyzed	31-Dec-09	31-Dec-09	31-Dec-09
vcrA qPCR Analysis Date	5-Jan-10	5-Jan-10	5-Jan-10
qPCR Controls (see Table 3 & 4)	Passed	Passed	Passed
Comments	--	--	--

Notes:

Refer to Table 3 for detailed results of controls.

ND = not detected

°C = degrees Celsius

PCR = polymerase chain reaction

qPCR = quantitative PCR

Dhc = *Dehalococcoides*

vcrA = vinyl chloride reductase

ng/L = nanograms per liter

mL = milliliters

DNA = Deoxyribonucleic acid

Table 3: Gene-Trac-DHC Experimental Control Results, Gene-Trac Test Reference S-1798

Laboratory Control	Analysis Date	Control Description	Spiked Dhc 16S rRNA Gene Copies per Liter	Recovered Dhc 16S rRNA Gene Copies per Liter	Comments
Positive Control Low Concentration	31-Dec-09	qPCR with KB-1 genomic DNA (CSLD-0209)	3.6×10^5	3.4×10^5	--
Positive Control High Concentration	31-Dec-09	qPCR with KB-1 genomic DNA (CSHD-0209)	2.9×10^7	3.4×10^7	--
DNA Extraction Blank	30-Dec-09	DNA extraction sterile water (FB-1119)	0	ND	--
Negative Control	31-Dec-09	Tris Reagent Blank (TBD-0169)	0	ND	--

Notes:

Dhc = *Dehalococcoides*

DNA = Deoxyribonucleic acid

NA = not applicable

ND = not detected

qPCR = quantitative PCR

16S rRNA = 16S ribosomal ribonucleic acid

Table 4: Gene-Trac-VC Experimental Control Results, Gene-Trac Test Reference S-1798

Laboratory Control	Analysis Date	Control Description	Spiked <i>vcrA</i> reductase Gene Copies per Liter	Recovered <i>vcrA</i> reductase Gene Copies per Liter	Comments
Positive Control Low Concentration	5-Jan-10	qPCR with KB-1 genomic DNA (CSLV-0122)	4.6×10^5	3.9×10^5	--
Positive Control High Concentration	5-Jan-10	qPCR with KB-1 genomic DNA (CSHV-0122)	3.4×10^7	3.3×10^7	--
DNA Extraction Blank	4-Jan-10	DNA extraction sterile water (FB-1119)	0	ND	--
Negative Control	5-Jan-10	Tris Reagent Blank (TBV-0093)	0	ND	--

Notes:

NA = not applicable

ND = not detected

qPCR = quantitative PCR

Dhc = *Dehalococcoides*

DNA = Deoxyribonucleic acid

16S rRNA = 16S ribosomal ribonucleic acid

vcrA = vinyl chloride reductase



130 Research Lane, Suite 2 Guelph, Ontario, N1G 5G3 Canada Tel: (519) 822-2265 Fax: (519) 822-3151

Analytical Results

SiREM File References: S-1798

Client: C &S Engineering
Client Project Number: C81.007.001
Date Samples Received: December 22, 2009
Date Samples Analysed: December 22, 2009

				Methane	Ethene	Ethane
Client Sample ID	SiREM Reference ID	Client sample date	Sample dilution factor	mg/L	mg/L	mg/L
MW-13D	09-3548	21-Dec-09	2	11	5.5	2.4
MW-14D	09-3549	21-Dec-09	10	27	1.9	<0.1
MW-10D	09-3550	21-Dec-09	1	1.3	0.03	<0.01
MW-15D	09-3551	21-Dec-09	2	17	<0.02	<0.02
MW-16D	09-3552	21-Dec-09	10	24	<0.1	<0.1
MW-2D	09-3553	21-Dec-09	1	0.37	<0.01	<0.01
MW-9D	09-3554	21-Dec-09	1	2.5	<0.01	<0.01

QL	1	0.01	0.01	0.01

Comments:

Method: GC/FID headspace

QL = Quantitation limit

J = associated value is estimated; compound positively detected

< = compound analysed for but not detected, associated value is QL. Sample QL is corrected for dilution.

NA = not available

Analyst:

Rita Schofield
Laboratory Technician

Results approved:

Jeff Roberts
Environmental Scientist

Date:

23-Dec-09

Interpretation of Quantitative Gene-Trac *Dehalococcoides* Test Results

1) Background:

Dehalococcoides group organisms (*Dhc*) are the only known microorganisms capable of complete dechlorination of chloroethenes (i.e., tetrachloroethene, trichloroethene, *cis*-dichloroethene, vinyl chloride to non-toxic ethene. The detection of the *Dhc* 16S ribosomal ribonucleic acid (rRNA) gene has been correlated with the complete biological dechlorination of chlorinated ethenes to ethene at contaminated sites (Hendrickson et. al., 2002, *Applied and Environmental Microbiology*, 68: 485-495). The Quantitative Gene-Trac *Dehalococcoides* test is a quantitative polymerase chain reaction (PCR) test used to determine the concentration of the *Dhc* 16S rRNA gene in soil and groundwater samples.

2) Interpretation of Test Results:

The Quantitative Gene-Trac test reports two types of results, “*Dehalococcoides* 16S rRNA Gene Copies” is a raw value whereas “% *Dehalococcoides* in Microbial Population” is the raw value expressed as percentage of total microbial population. A detailed explanation of the two types of results is provided below.

a) *Dehalococcoides* 16S rRNA Gene Copies

This value is the direct number of *Dhc* 16S rRNA gene copies detected in the sample. Results may be reported either per liter (for groundwater) or per gram (for soil). This number is generally interpreted as equivalent to the number of viable *Dhc* present in the sample when certain reasonable assumptions are made, including that the DNA quantified belongs to viable *Dhc* (i.e., not from dead *Dhc*) and that each *Dhc* cell contains only one 16S rRNA gene. Guidelines for relating this value to observable dechlorination impacts for groundwater samples are provided below.

- **Values of 10^3 gene copies per liter or lower**, indicate the sample contains low concentrations of *Dhc* organisms which may indicate that site conditions are sub-optimal for high rates of dechlorination. Increases in *Dhc* concentrations at the site may be possible if conditions are modified (e.g., electron donor addition).
- **Values of 10^4 - 10^6 gene copies per liter**, indicates the sample contains moderate concentrations of *Dhc* which may, or may not, be associated with observable dechlorination impacts (i.e., ethene).
- **Values at or above 10^7 gene copies per liter**, indicate the samples contains high concentrations of *Dhc* which is often associated with high rates of dechlorination and the production of ethene. Test results exceeding 10^9 gene copies/liter are rarely observed.

b) % *Dehalococcoides* in Microbial Population (% *Dhc*)

This value presents the percentage of *Dhc* (% *Dhc*) relative to other microorganisms in the sample based on the formulas below. % *Dhc* is a measure of the predominance of *Dhc* and, in general, the higher this percentage the better.

$$\% Dhc = \frac{\text{Number } Dhc}{\text{Number } Dhc + \text{Number other Bacteria}}$$

Where:

$$\text{Number other Bacteria} = \frac{\text{Total DNA in sample (ng)} - \text{DNA attributed to } Dhc \text{ (ng)}}{4.0 \times 10^{-6} \text{ ng DNA per bacterial cell}}$$

The number of non-*Dhc* bacteria is estimated by assuming each non-*Dhc* bacterium contains 4.0×10^{-6} nanograms (ng) of DNA (Paul and Clark. 1996. *Soil Microbiology and Biochemistry*). Because the total mass of DNA in a sample is determined (by fluorometry) the total number of bacteria present can be estimated. For perspective, the % *Dhc* can range from very low fractions of percentages, in samples that have low numbers of *Dhc* and high numbers of other bacteria (incompletely colonized by *Dhc*), to greater than 50% in *Dhc* enriched cultures such as KB-1™ (fully colonized by *Dhc*).

In addition to determining the predominance of *Dhc*, this value is also used for interpretation of *Dhc* counts from different sampling locations or the same location over time, because it is normalized to total bacteria. In particular, the % *Dhc* value can be used to correct *Dhc* counts where samples are biased low due to non-representative sampling of biomass (bacteria). Example 1 below illustrates a scenario where the % *Dhc* value improves the interpretation of data where one sampling event was biased.

Example 1, use of % *Dhc* Value to interpret raw data

Example 1 presents results from monitoring well MW-1 sampled in April, May and June. Based on the raw *Dhc* counts alone (*Dehalococcoides* 16S rRNA Gene Copies) it might be assumed that the number of *Dhc* decreased 10-fold between April and May; however, based on the percentage of *Dhc* it is clear that the proportion of *Dhc* actually increased from April to May and that the low count is probably a case of sampling variability (biased low). The higher raw count and the higher percentage of *Dhc* in June confirms the trend of increasing *Dhc* concentrations over time.

Sample	<i>Dehalococcoides</i> 16S rRNA Gene Copies	% <i>Dhc</i>	Interpretation Based on % <i>Dhc</i>
MW-1–April	1.0×10^5 /Liter	0.1%	<i>Dhc</i> is a low proportion of total microbial population
MW-1–May	1.0×10^4 /Liter	1%	<i>Dhc</i> predominance increased 10-fold from April, low count from low biomass sampled, non-biased sample would be $[(1.0/0.1) \times 1.0 \times 10^5] = 10^6$ /Liter
MW-1 June	1.0×10^7 /Liter	10%	<i>Dhc</i> predominance moderate and has increased 100-fold from April

3) Explanation of Notes

Quantitation limit: The quantitation limit of Gene-Trac test is 2,150 *Dhc* 16S rRNA gene copies per liter. Note, the specific quantitation limit for each test varies depending on the volume of sample used in the DNA extraction process. For example, if only a ½ liter of water was used the quantitation limit would increase two-fold to 4300 gene copies per liter. The specific quantitation limit is provided only where *Dhc* is not detected.

Value is an estimated quantity between the quantitation limit and detection limit:

This is applicable in situations where *Dhc* DNA is detected above the detection limit, but below the quantitation limit, of the standard curve. In such cases an estimated value is provided which is based on extrapolation of the standard curve.

Sample inhibited testing: Each Quantitative Gene-Trac test includes a quantification of the amount of DNA extracted from the sample and a second test to determine if the extracted DNA is suitable for *Dhc* testing (PCR with a universal Bacteria primer). If a sample is determined to contain DNA and PCR with universal primers is negative, it suggests that the extracted DNA inhibited the PCR. Inhibition may be caused by compounds present in the original groundwater sample (e.g., humic acids). Where inhibition occurs there is an increased likelihood of false negatives since *Dhc* DNA, if present, may not be detected.

DNA not extracted from the sample: If DNA is not detected in the sample then “DNA not extracted from the sample” is reported. This is commonly due to samples that contain little or no biomass (bacteria). In some cases sampling may not capture bacteria (e.g., when attached bacteria are not dislodged from the aquifer matrix).

4) Converting Standard Gene-Trac to *Dhc* 16S rRNA Gene Copies/Liter

Quantitative Gene-Trac provides quantitative results in *Dhc* 16S rRNA Gene Copies/Liter, whereas standard Gene-Trac provides semi-quantitative results using a plus scale. Based on parallel analysis of standard versus Quantitative Gene-Trac estimates of the number of *Dhc* gene copies for each + score in the standard test were determined. Note, the conversion factors do not apply in all cases and are meant to be used as a rule of thumb for relating standard Gene-Trac results to Quantitative-Gene-Trac.

Estimated 16S rRNA Gene Copies/Liter for Standard Gene-Trac Intensity Scores

Standard Gene-Trac Intensity Score	Approximate Range of 16S rRNA Gene Copies/Liter
+	10^3 - 10^5
++	10^4 - 10^6
+++	10^5 - 10^7
++++	10^6 - 10^8

APPENDIX E

INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION FORM



Enclosure 1
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.	C734103	<i>Correction of Information Box 1</i>
Site Name Midler City Industrial Park		
Site Address: 621 S. Midler Ave. (aka 701 Nichols Ave.) Zip Code: 13206		
City/Town: Syracuse		
County: Onondaga		
Allowable Use(s) (if applicable, does not address local zoning): Commercial and Industrial		
Site Acreage: <i>2.7 9.987± acres</i>		
Owner: Pioneer Midler Avenue, LLC 250 South Clinton Street, Syracuse, NY 13202		
Reporting Period: March 01, 2009 to March 01, 2010		

Verification of Site Details		Box 2	
		YES	NO
1. Is the Information in Box 1 correct?	☐	☒	☒
If NO, are changes handwritten above or Included 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?	☐	☐	☒
If YES, Is documentation or evidence that documentation has been previously submitted Included with this certification?		☐	☐
3. Have any federal, state, and/or local permits (e.g., building, discharge) been Issued for or at the property during this Reporting Period?	☐	☐	☒
If YES, Is documentation (or evidence that documentation has been previously submitted) Included with this certification?		☐	☐
4. If use of the site is restricted, is the current use of the site consistent with those restrictions?	☒	☐	☐
If NO, Is an explanation Included with this certification?		☐	☐
5. For non-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415.7(c), has any new Information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☐	☒
If YES, Is the new Information or evidence that new information has been previously submitted Included with this Certification?		☐	☐
6. For non-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415.7(c), are the assumptions in the Qualitative Exposure Assessment still valid (must be certified every five years)?	☒	☐	☐
If NO, are changes in the assessment Included with this certification?		☐	☐



Enclosure 1
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. C734103 *Correction of Information Box 1*

Site Name Midler City Industrial Park

Site Address: 621 S. Midler Ave. (aka 701 Nichols Ave.) Zip Code: 13206
City/Town: Syracuse
County: Onondaga
Allowable Use(s) (if applicable, does not address local zoning): Commercial and Industrial
Site Acreage: *217 11.713 ± Acres*
Owner: Lowe's Home Centers, Inc.
Highway 268 East, North Wilkesboro, NY 28656-0001

Reporting Period: March 01, 2009 to March 01, 2010

Verification of Site Details		Box 2	
		YES	NO
1. Is the information in Box 1 correct?		☐	☒
If NO, are changes handwritten above or included 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?		☐	☒
If YES, is documentation or evidence that documentation has been previously submitted included with this certification?		☐	
3. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		☐	☒
If YES, is documentation (or evidence that documentation has been previously submitted) included with this certification?		☐	
4. If use of the site is restricted, is the current use of the site consistent with those restrictions?		☒	☐
If NO, is an explanation included with this certification?		☐	
5. For non-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415.7(c), has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?		☐	☒
If YES, is the new information or evidence that new information has been previously submitted included with this Certification?		☐	
6. For non-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415.7(c), are the assumptions in the Qualitative Exposure Assessment still valid (must be certified every five years)?		☒	☐
If NO, are changes in the assessment included with this certification?		☐	

Description of Institutional ControlsParcelInstitutional Control

S_B_L Image: 033.1-01-02.4

Ground Water Use Restriction
Site Management Plan
Soil Management Plan

S_B_L Image: 033.1-01-01.4

Ground Water Use Restriction
Site Management Plan
Soil Management Plan

S_B_L Image: 033.1-01-01.5

Ground Water Use Restriction
Site Management Plan
Soil Management Plan

S_B_L Image: 033.1-01-01.3

Ground Water Use Restriction
Site Management Plan
Soil Management Plan

S_B_L Image: 033.1-01-01.6

Ground Water Use Restriction
Site Management Plan
Soil Management Plan

S_B_L Image: 033.1-01-01.7

Ground Water Use Restriction
Site Management Plan
Soil Management Plan

S_B_L Image: 033.1-01-20.0

Ground Water Use Restriction
Site Management Plan
Soil Management Plan**Description of Engineering Controls**ParcelEngineering Control

S_B_L Image: 033.1-01-02.4

Cover System
Vapor Mitigation

S_B_L Image: 033.1-01-01.4

Cover System
Vapor Mitigation

S_B_L Image: 033.1-01-01.5

Cover System
Vapor Mitigation

S_B_L Image: 033.1-01-01.3

Cover System
Vapor Mitigation

S_B_L Image: 033.1-01-01.6

Cover System
Vapor Mitigation

S_B_L Image: 033.1-01-01.7

Cover System
Vapor Mitigation

S_B_L Image: 033.1-01-20.0

Cover System
Vapor Mitigation

Attach documentation if IC/ECs cannot be certified or why IC/ECs are no longer applicable.
(See Instructions)

Control Description for Site No. C734103

Parcel: 033.1-01-01.3

The Controlled Property may be used for commercial use as long as the following long-term engineering controls are employed:

- (i) compliance with the Department-approved Site Management Plan ("SMP") for the implemented remedy until the remedial goals for the Controlled Property are attained or deemed complete by the Department;
- (ii) maintenance at a minimum of a one foot cover system or a six inch pavement system or buildings over the Site and any disturbance of or excavation from the Site cover system at depths greater than the one foot shall be done in accordance of the requirements of the SMP;
- (iii) the groundwater beneath the Controlled Property cannot be used as a potable water source or for any other use without prior written permission of the Department and the pumping and discharge of groundwater to the waters of the State shall not be allowed without appropriate treatment and approval of the governing State, County or Municipal authority;
- (iv) continued groundwater monitoring in accordance with the SMP until the Department determines that such monitoring is unnecessary;
- (v) installation and maintenance in accordance with the standards and procedures specified in the SMP of subslab depressurization ("SSD") systems for all buildings and building additions to be constructed on the Site and the continued operation and maintenance in accordance with the SMP of those SSD systems already installed on the Site;

Parcel: 033.1-01-01.4

The Controlled Property may be used for commercial use as long as the following long-term engineering controls are employed:

- (i) compliance with the Department-approved Site Management Plan ("SMP") for the implemented remedy until the remedial goals for the Controlled Property are attained or deemed complete by the Department;
- (ii) maintenance at a minimum of a one foot cover system or a six inch pavement system or buildings over the Site and any disturbance of or excavation from the Site cover system at depths greater than the one foot shall be done in accordance of the requirements of the SMP;
- (iii) the groundwater beneath the Controlled Property cannot be used as a potable water source or for any other use without prior written permission of the Department and the pumping and discharge of groundwater to the waters of the State shall not be allowed without appropriate treatment and approval of the governing State, County or Municipal authority;
- (iv) continued groundwater monitoring in accordance with the SMP until the Department determines that such monitoring is unnecessary;
- (v) installation and maintenance in accordance with the standards and procedures specified in the SMP of subslab depressurization ("SSD") systems for all buildings and building additions to be constructed on the Site and the continued operation and maintenance in accordance with the SMP of those SSD systems already installed on the Site;

Control Description for Site No. C734103

Parcel: 033.1-01-01.5

The Controlled Property may be used for commercial use as long as the following long-term engineering controls are employed:

(i) compliance with the Department-approved Site Management Plan ("SMP") for the Implemented remedy until the remedial goals for the Controlled Property are attained or deemed complete by the Department;

(ii) maintenance at a minimum of a one foot cover system or a six inch pavement system or buildings over the Site and any disturbance of or excavation from the Site cover system at depths greater than the one foot shall be done in accordance of the requirements of the SMP;

(iii) the groundwater beneath the Controlled Property cannot be used as a potable water source or for any other use without prior written permission of the Department and the pumping and discharge of groundwater to the waters of the State shall not be allowed without appropriate treatment and approval of the governing State, County or Municipal authority;

(iv) continued groundwater monitoring in accordance with the SMP until the Department determines that such monitoring is unnecessary;

(v) installation and maintenance in accordance with the standards and procedures specified in the SMP of subslab depressurization ("SSD") systems for all buildings and building additions to be constructed on the Site and the continued operation and maintenance in accordance with the SMP of those SSD systems already installed on the Site;

Parcel: 033.1-01-01.6

The Controlled Property may be used for commercial use as long as the following long-term engineering controls are employed:

(i) compliance with the Department-approved Site Management Plan ("SMP") for the Implemented remedy until the remedial goals for the Controlled Property are attained or deemed complete by the Department;

(ii) maintenance at a minimum of a one foot cover system or a six inch pavement system or buildings over the Site and any disturbance of or excavation from the Site cover system at depths greater than the one foot shall be done in accordance of the requirements of the SMP;

(iii) the groundwater beneath the Controlled Property cannot be used as a potable water source or for any other use without prior written permission of the Department and the pumping and discharge of groundwater to the waters of the State shall not be allowed without appropriate treatment and approval of the governing State, County or Municipal authority;

(iv) continued groundwater monitoring in accordance with the SMP until the Department determines that such monitoring is unnecessary;

(v) installation and maintenance in accordance with the standards and procedures specified in the SMP of subslab depressurization ("SSD") systems for all buildings and building additions to be constructed on the Site and the continued operation and maintenance in accordance with the SMP of those SSD systems already installed on the Site;

Control Description for Site No. C734103

Parcel: 033.1-01-01.7

The Controlled Property may be used for commercial use as long as the following long-term engineering controls are employed:

(i) compliance with the Department-approved Site Management Plan ("SMP") for the implemented remedy until the remedial goals for the Controlled Property are attained or deemed complete by the Department;

(ii) maintenance at a minimum of a one foot cover system or a six inch pavement system or buildings over the Site and any disturbance of or excavation from the Site cover system at depths greater than the one foot shall be done in accordance of the requirements of the SMP;

(iii) the groundwater beneath the Controlled Property cannot be used as a potable water source or for any other use without prior written permission of the Department and the pumping and discharge of groundwater to the waters of the State shall not be allowed without appropriate treatment and approval of the governing State, County or Municipal authority;

(iv) continued groundwater monitoring in accordance with the SMP until the Department determines that such monitoring is unnecessary;

(v) installation and maintenance in accordance with the standards and procedures specified in the SMP of subslab depressurization ("SSD") systems for all buildings and building additions to be constructed on the Site and the continued operation and maintenance in accordance with the SMP of those SSD systems already installed on the Site;

Parcel: 033.1-01-02.4

The Controlled Property may be used for commercial use as long as the following long-term engineering controls are employed:

(i) compliance with the Department-approved Site Management Plan ("SMP") for the implemented remedy until the remedial goals for the Controlled Property are attained or deemed complete by the Department;

(ii) maintenance at a minimum of a one foot cover system or a six inch pavement system or buildings over the Site and any disturbance of or excavation from the Site cover system at depths greater than the one foot shall be done in accordance of the requirements of the SMP;

(iii) the groundwater beneath the Controlled Property cannot be used as a potable water source or for any other use without prior written permission of the Department and the pumping and discharge of groundwater to the waters of the State shall not be allowed without appropriate treatment and approval of the governing State, County or Municipal authority;

(iv) continued groundwater monitoring in accordance with the SMP until the Department determines that such monitoring is unnecessary;

(v) installation and maintenance in accordance with the standards and procedures specified in the SMP of subslab depressurization ("SSD") systems for all buildings and building additions to be constructed on the Site and the continued operation and maintenance in accordance with the SMP of those SSD systems already installed on the Site;

Control Description for Site No. C734103

Parcel: 033.1-01-20.0

The Controlled Property may be used for commercial use as long as the following long-term engineering controls are employed:

(I) compliance with the Department-approved Site Management Plan ("SMP") for the Implemented remedy until the remedial goals for the Controlled Property are attained or deemed complete by the Department;

(II) maintenance at a minimum of a one foot cover system or a six inch pavement system or buildings over the Site and any disturbance of or excavation from the Site cover system at depths greater than the one foot shall be done in accordance of the requirements of the SMP;

(III) the groundwater beneath the Controlled Property cannot be used as a potable water source or for any other use without prior written permission of the Department and the pumping and discharge of groundwater to the waters of the State shall not be allowed without appropriate treatment and approval of the governing State, County or Municipal authority;

(IV) continued groundwater monitoring in accordance with the SMP until the Department determines that such monitoring is unnecessary;

(V) installation and maintenance in accordance with the standards and procedures specified in the SMP of subslab depressurization ("SSD") systems for all buildings and building additions to be constructed on the Site and the continued operation and maintenance in accordance with the SMP of those SSD systems already installed on the Site;

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 complete.

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

☒ ☐

3. If this site has an Operation and Maintenance (O&M) Plan (or equivalent as required in the Decision Document);

I certify by checking "YES" below that the O&M Plan Requirements (or equivalent as required in the Decision Document) are being met.

YES NO

☒ ☐

4. If this site has a Monitoring Plan (or equivalent as required in the remedy selection document);

I certify by checking "YES" below that the requirements of the Monitoring Plan (or equivalent as required in the Decision Document) is being met.

YES NO

☒ ☐

IC CERTIFICATIONS
SITE NO. C734103

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 2 and/or 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 JED SCHNEIDER at 250 SOUTH VINTON ST. SYRACUSE NY 13202
print name print business address

am certifying as OWNER Pioneer Milk Avenue LLC (Owner or Remedial Party)

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

[Signature]
Signature of Owner or Remedial Party Rendering Certification

2/24/10
Date

IC/EC CERTIFICATIONS

Box 7

QUALIFIED ENVIRONMENTAL PROFESSIONAL (QEP) 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 Steven M. Vini, CPE at CTS Engineers, Inc. 499 Col. Eileen Collins Blvd Syracuse NY 13212
print name print business address

am certifying as a Qualified Environmental Professional for the Pioneer Milk Avenue LLC

(Owner or Remedial Party) for the Site named in the Site Details Section of this form.

[Signature]

Signature of Qualified Environmental Professional, for
the Owner or Remedial Party, Rendering Certification

Stamp (If Required)

2 April 2010
Date