Groundwater Monitoring Summary Report
October 2007 (Third Quarter)
American Chemical Service, Inc. National Priorities List Site
Griffith, Indiana

PREPARED FOR:

ACS RD/RA EXECUTIVE COMMITTEE

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Table of Contents

SECTION 1.0 – EXECUTIVE SUMMARY 1
SECTION 2.0 – OCTOBER 2007 DATA COLLECTION ACTIVITIES 5
2.1 Water Level Measurements 5
2.2 Groundwater Sampling 5
2.3 Residential Well Sampling 6
SECTION 3.0 – OCTOBER 2007 GROUNDWATER DATA EVALUATION 7
3.1 Groundwater Flow System Data 7
3.2 Monitoring Well Analytical Data 7
3.2.1 Upper Aquifer Results 8
3.2.2 Lower Aquifer Results 9
3.2.3 Discussion 11
3.3 Residential Well Analytical Data 18
SECTION 4.0 – CONCLUSIONS 20

List of Tables

Table 1 – Water Level Elevation Data – September 2007
Table 2 – Field Parameter Data – October 2007
Table 3 – Summary of Groundwater Sampling Activities – October 2007
Table 4 – Summary of Detections in Samples from Upper Aquifer Monitoring Wells – October 2007
Table 5 – Summary of Detections in Samples from Lower Aquifer Monitoring Wells – October 2007
Table 6 – Summary of Organic Compound Detections in Samples from Residential Wells – October 2007
Table 7 – Summary of Inorganic Compound Detections in Samples from Residential Wells – October 2007

List of Figures

Figure 1 – Upper Aquifer Water Table Contour Map – September 2007
Figure 2 – Lower Aquifer Potentiometric Surface Contour Map – September 2007
Figure 3 – Detected Compounds in Upper Aquifer Monitoring Wells – October 2007
Figure 4 – Detected Compounds in Lower Aquifer Monitoring Wells – October 2007
Figure 5 – Residential Well Locations Sampled during 2007

List of Appendices

Appendix A – Comparison of October 2007 Results to Maximum Baseline Concentrations

Monitoring Wells
Monitoring Well VOC Results

Residential Wells
VOC Results
SVOC Results
Pesticide and PCB Results
Inorganic Results

Appendix B – Concentration vs. Time Plots
Upper Aquifer Monitoring Wells
Lower Aquifer Monitoring Wells

Appendix C – Laboratory Analytical Reports and Data Validation Narratives

Monitoring Wells
Sample Delivery Group (SDG) ME0710076 – VOCs
SDG ME0710172 – VOCs
SDG ME0710258 – VOCS

Data Validation Narrative – VOCs
Precision, Accuracy, Representativeness, Comparability, Completeness (PARCC) Review

Residential Wells
SDG ME0710178 – VOCs, SVOCs, PCB/Pesticides, Inorganics, and Cyanide
Data Validation Narrative – Form 1s
Data Validation Narrative – VOCs
Data Validation Narrative – SVOCs
Data Validation Narrative – PCB/Pesticides
Data Validation Narrative – Metals
Data Validation Narrative – Cyanide
PARCC Review

Appendix D – Pumping Data from Lower Aquifer Monitoring Wells

SECTION 1.0 – EXECUTIVE SUMMARY

MWH Americas, Inc. (MWH) has prepared this Groundwater Monitoring Summary Report to present the results from the October 2007 groundwater sampling event at the American Chemical Service, Inc. (ACS) National Priorities List (NPL) Site in Griffith, Indiana. In general, the wells in the monitoring network are sampled twice a year. The standard sampling routine is to collect groundwater samples and analyze them for several indicator parameters. These activities were performed in accordance with the revised long-term groundwater monitoring plan (LTGMP) and the November 2001 United States Environmental Protection Agency (U.S. EPA) approved Quality Assurance Project Plan (QAPP). The U.S. EPA and Indiana Department of Environmental Management (IDEM) approved the revised LTGMP in a letter dated June 26, 2002. In April 2007, MWH submitted a QAPP Addendum (Addendum No. 1) to the USEPA for approval. The QAPP Addendum changed the primary analytical laboratory from Compuchem to Microbac of Merrillville, Indiana. The U.S. EPA approved the Addendum in November 2007. This sampling event represents the first sampling event where groundwater samples have been analyzed by Microbac.

During the October 2007 sampling event, water level measurements were collected at 79 monitoring wells, piezometers, and staff gauges. Water level measurements could not be collected at several locations. One monitoring well, MW44, located west of the farmer's field is damaged. The owner of the property graded the land surface near this well. MW44 appears to have been struck by heavy equipment and this well riser is bent to a 45 degree angle. Piezometer P17, located in the Town of Griffith Landfill, could not be located and is assumed to have been destroyed by vehicular traffic. Water levels were not measured at P81 and P90 because of blockages in both piezometers at approximately five feet below top of casing. Also, a water level could not be measured at staff gauge SG14R because it was dry. MWH does not recommend replacement of monitoring well MW44 or piezometers P17, P81, and P90. The LTGMP will be revised to include recommendations for future long-term monitoring requirements. MWH will submit a revised LTGMP to the Agencies for review prior to the September 2008 monitoring event.

October 2007 groundwater elevations in the upper and lower aquifers were generally lower than those measured during the two previous sampling events conducted in April 2007 and September 2006. Hydraulic gradients remained consistent with those recorded during previous sampling rounds.

Groundwater samples were collected at 11 upper aquifer wells and 18 lower aquifer wells in the monitoring network. One upper aquifer well, MW44, was not sampled due to the aforementioned damage. The groundwater samples were analyzed for indicator volatile organic compounds (VOCs).

Groundwater samples collected from 11 upper aquifer monitoring wells indicate that groundwater plumes to the north and south of the Site are not expanding, and that concentrations within the plumes are decreasing. There were no exceedances of maximum baseline concentrations in groundwater samples collected from the upper aquifer during October 2007.

In October, benzene was not detected in the sample collected from MW06 and the chloroethane concentration in this sample was below 1 microgram per liter (µg/l). These results are significantly lower than previous sampling events. Monitoring well MW06 is located downgradient of the In-Situ Chemical Oxidation (ISCO) treatment area and is an indicator of remediation progress in this area. MWH will continue to monitor MW06 to see if overall decreasing trends will result from the ISCO remediation conducted upgradient of this well.

The decreasing trends in the upper aquifer are likely a combined result of the barrier wall, the perimeter groundwater containment system, the ISCO treatments near Colfax Street and Reder Road, as well as natural attenuation.

Groundwater sample results from the 18 lower aquifer wells continue to show variability. Indicator VOCs were detected in seven of the 18 lower aquifer wells.

Benzene was detected at a trace, estimated concentration in the sample collected from downgradient well MWO8. Benzene has not been detected in samples from this well in the past. Benzene and cis-1,2-dichloroethene were detected at trace concentrations in the sample from downgradient well MW33. Benzene has not been detected in samples from this well since 1997. Prior to April 2007, cis-1,2-dichloroethene was not detected in samples from MW33. Vinyl chloride was detected at trace concentrations in samples from interior lower aquifer wells MW09R and MW10C. In the past, indicator VOCs have occasionally been detected in the lower aquifer at trace concentrations but have not been confirmed in the next sampling event. MWH will continue to monitor these locations according to the LTGMP.

Indicator VOCs exceeded maximum baseline values at two sampling locations. Chloroethane exceeded its maximum baseline concentration in the sample collected from MW29, and benzene exceeded its maximum baseline concentration in the sample collected from MW10C.

Chloroethane was detected at a concentration of 69 µg/L in the sample collected from MW29, a concentration which exceeds its maximum baseline concentration of 10 µg/L. The concentration of chloroethane in the sample collected from MW29 in October is less than detected in April 2007 (85 µg/L) and September 2006 (100 µg/L). Chloroethane concentrations in samples from MW29 are likely the result of a concentration gradient between this well and MW09R.

MW29 is nested with MW09R and is screened approximately 25 feet deeper in the lower aquifer at this location. The borehole of MW09 was acting as a conduit for benzene and chloroethane to migrate from the upper to lower aquifer. MW09 was subsequently abandoned and MW09R was installed. Since the breach between the upper and lower aquifer was permanently sealed, concentrations of benzene and chloroethane have been decreasing in the lower aquifer at this location. MWH expects that concentrations of chloroethane in samples from MW29 will decrease in the future, just as they have at MW09R. Sample results from the last two sampling events appear to support this conclusion.

Benzene was detected at a concentration of 670 µg/L in the sample collected from MW10C, a concentration which exceeds its maximum baseline concentration of 150 µg/L. The pump inside MW10C did not operate between July 2005 and September 2007 due to a malfunction. The pump operating in MW10C was repaired and brought online in September 2007. MWH will continue to extract groundwater for treatment at this location.

Historically, concentrations of tetrachloroethene have been detected at increasing concentrations in samples from MW30. A pumping system was installed in MW30 to extract groundwater containing tetrachloroethene. The pumping system was turned on in September 2007. Tetrachloroethene was not detected in the sample collected from MW30 during October 2007. The absence of measurable tetrachloroethene in the sample from MW30 is probably because the system is pumping out water faster than the natural flow and therefore extracted water does not contain detectible tetrachloroethene. MWH will continue to extract groundwater for treatment at this location.

A pumping system designed to capture groundwater near MW53 was turned on in September 2007. Benzene in the sample collected from MW53 is lower than it has been at this well over the past few sampling events. Additionally, no indicator VOCs were detected in samples collected from sentinel wells MW58 and MW59. These results indicate that the benzene plume identified near MW53 has not migrated off-site to this point in the lower aquifer. MWH recommends sampling MW58 and MW59 along with the other lower aquifer wells, as part of the LTGMP.

In response to the baseline exceedance of chloroethane at MW29, MWH proposes to continue monitoring the

concentrations in this well according to the LTGMP. In response to the baseline exceedance of benzene in samples collected from MW10C, MWH will continue to extract groundwater for treatment and will continue monitoring concentrations according to the LTGMP at this location.

The most likely source(s) of contamination in the lower aquifer is one of the six production wells, which ACS constructed and used in the past. MWH properly abandoned these six production wells in 1998; thus, removing these potential sources of contamination. Pumping systems have been installed in wells MW10C, MW30, MW56, and near MW53 to capture and treat areas where VOCs have been detected in the lower aquifer.

The existing monitoring well network, with the sentinel wells downgradient of MW53, will provide adequate coverage to monitor the lower aquifer downgradient of the Site. The monitoring network will verify that contaminants in the lower aquifer are not migrating off-site to the North.

Annual water sampling from the residential wells was conducted during this event. One residential well, PW-A, was not sampled as the residence is no longer inhabited and power to the home is turned off. Water samples collected from the residences near the Site continue to show that no site-related compounds have impacted these residential wells.

The next groundwater sampling event is scheduled to occur in March 2008. It will be an “indicator” sampling round.

SECTION 2.0 – OCTOBER 2007 DATA COLLECTION ACTIVITIES

The groundwater monitoring activities conducted at the Site during October 2007 included measuring water levels and collecting and analyzing samples from monitoring wells.

2.1 WATER LEVEL MEASUREMENTS

Water level measurements were collected at 79 upper and lower aquifer wells, piezometers, and surface water staff gauges on September 28, 2007. Water level measurements could not be collected at several locations. Monitoring well MW44, located west of the farmer's field is damaged. The property owner has graded the land surface near this well. MW44 appears to have been struck by heavy equipment and the well riser is bent to a 45 degree angle. Similarly, piezometer P17 located in the Town of Griffith Landfill could not be located and was likely destroyed by vehicular traffic. Water levels were not measured at P81 and P90 due to blockages in both piezometers at approximately five feet below top of casing. Also, a water level was not measured at staff gauge SG14R because it was dry.

MWH does not recommend the replacement of monitoring well MW44 or piezometers P17, P81, and P90. The groundwater flow regime in the upper aquifer is well understood and water level data is regularly collected from many measuring points. MWH plans to revise the LTGMP to include a revised list of water level collection locations. The revised LTGMP will be submitted to U.S. EPA and IDEM for review and approval during the third quarter 2008.

Table 1 contains the water level measurements, map coordinates (reference points), top of well casing elevations, and calculated groundwater elevations for the measurement points.

2.2 GROUNDWATER SAMPLING

Groundwater sampling activities were conducted from October 1 through 4, 2007. Each monitoring well was sampled using low-flow methods in accordance with the Groundwater Sampling Standard Operating Procedure (SOP) in the revised LTGMP. Field parameters (pH, specific conductivity, temperature, dissolved oxygen [DO], oxidation-reduction potential [ORP], and turbidity) were measured during well purging, and the values recorded upon stabilization are presented in **Table 2**.

Groundwater samples were transported under chain-of-custody to Microbac Laboratory in Merrillville, Indiana, where they were analyzed for the parameters summarized in **Table 3**. This table lists upper and lower

aquifer monitoring wells in the monitoring well network and the parameters analyzed during October 2007.

In accordance with the revised LTGMP, the analytical results were compared to 1997 maximum baseline concentrations. Comparison tables are provided in **Appendix A**.

2.3 RESIDENTIAL WELL SAMPLING

Annual sampling of four residential wells near the Site was conducted on October 2, 2007. One residential well, PW-A, was not sampled as the residence is no longer inhabited and power to the building is turned off. The residential wells were sampled by collecting untreated water (prior to water softening) from an outside spigot at each location. The water was measured for field parameters in accordance with the sampling SOP. Upon stabilization of the field parameters, a water sample was collected for submittal to the laboratory. The field parameters recorded upon stabilization are presented in **Table 2**.

The residential water samples were transported under chain-of-custody to Microbac Laboratory in Merrillville, Indiana, where they were analyzed for low-concentration organics (VOCs, SVOCs, PCBs, and pesticides) and inorganics (metals and cyanide).

In accordance with the revised LTGMP, the residential analytical results were compared to 1997 maximum baseline concentrations. Comparison tables are provided in **Appendix A**.

SECTION 3.0 – OCTOBER 2007 GROUNDWATER DATA EVALUATION

3.1 GROUNDWATER FLOW SYSTEM DATA

The groundwater elevations listed in **Table 1** were used to develop a water table contour map (**Figure 1**) for the upper aquifer and a potentiometric surface contour map for the lower aquifer (**Figure 2**).

In October 2007, the groundwater elevations in upper aquifer wells and piezometers were on average 1.3 feet lower than measured in April 2007, and 0.8 feet lower than measured in September 2006. Lower groundwater elevations are likely related to annual variations in the regional hydrograph.

The groundwater flow pattern in the upper aquifer during October 2007 was consistent with previous monitoring events. Regional groundwater flow is generally east to west, but as it approaches the Site it is diverted to the north and south by the barrier wall. The gradient northwest of the Site is relatively flat due to the effects of the Perimeter Groundwater Containment System (PGCS) trench, barrier wall, and discharge points from the groundwater treatment plant. Groundwater to the south of the Site flows to the south and southeast.

Groundwater elevations measured in lower aquifer wells in October 2007 were on average 3.1 feet lower than measured in April 2007, and 2.3 feet lower than those in September 2006. The groundwater flow pattern in the lower aquifer is northward at a relatively low hydraulic gradient. The hydraulic gradient across the Site from south to north (calculated between wells MW50 and MW52) was 0.00070 feet per foot (ft/ft) during October 2007. The average hydraulic gradient calculated between the two wells in the lower aquifer since 1995 is 0.00043 ft/ft.

The groundwater elevations measured inside and outside of the barrier wall and near the PGCS are discussed in the *Quarterly Monitoring Report for Active Treatment Systems – Third Quarter 2007*. The groundwater elevations show that the groundwater extraction system is maintaining an inward gradient.

3.2 MONITORING WELL ANALYTICAL DATA

During the October 2007 sampling round, samples from 11 wells in the upper aquifer and 18 wells in the lower aquifer were analyzed for indicator parameters, which include benzene, chloroethane, 1,1-dichloroethane, 1,1-dichloroethene, 1,2-dichloroethane, cis-1,2-dichloroethene, trans-1,2-dichloroethene, tetrachloroethene, trichloroethene, and vinyl chloride.

The first four quarterly sampling events conducted in 1996 and 1997 were used to establish a baseline of groundwater quality in the upper and lower aquifer. Many of the monitoring wells sampled during the baseline events were located outside of the original groundwater plume. Therefore indicator compounds were not detected in samples from most of the upgradient and downgradient monitoring wells. In those cases, the detection limit (typically 10 micrograms per liter [µg/l]) was selected as the maximum baseline concentration.

In accordance with the LTGMP, analytical results from upper and lower aquifer monitoring wells are compared to 1997 maximum baseline concentrations (**Appendix A**). This comparison is primarily useful for wells located inside plume areas (interior wells) or those with a history of VOC detections. Because detections of indicator compounds at concentrations below their maximum baseline concentrations can still be significant, current sample results are compared to previous sampling data to determine if increasing or decreasing trends are occurring.

3.2.1 Upper Aquifer Results

Table 4 summarizes indicator parameter results in samples from 11 upper aquifer wells collected during October 2007. **Figure 3** shows the well locations and detected indicator compounds on a map of the Site. Graphs presenting the concentrations of benzene and chloroethane versus time for the upper aquifer monitoring wells are presented in **Appendix B**. The validation narrative and laboratory analytical reports for samples from the upper aquifer are provided in **Appendix C**.

VOC Results

Benzene and chloroethane impacts have been observed outside of the barrier wall in two areas of the upper aquifer. North of the Site, these detections have consistently occurred in samples collected from wells MW48 and MW49. South of the Site, benzene and chloroethane have been detected in samples collected from MW06, MW19, and MW45. The groundwater monitoring program in the upper aquifer has focused on monitoring concentrations upgradient, within, and downgradient of these impacted areas. The plots in **Appendix B** are useful in observing concentration trends at each monitoring well.

<u>Upgradient wells</u>

Benzene and chloroethane were not detected in samples collected from upgradient monitoring wells MW11 or MW17. Tetrachloroethene was detected at an estimated concentration of 0.93 µg/l in the sample from MW17. Tetrachloroethene has occasionally been detected at trace concentrations in previous samples from this well.

Interior wells

Benzene and chloroethane were detected in samples collected from several wells inside the originally delineated plume area (interior wells). No samples collected from upper aquifer interior wells reported concentrations above their respective baseline values for benzene or chloroethane.

- Benzene was not detected in the sample collected from MW06.
- Concentrations of benzene in the samples collected from wells MW48 and MW49 were detected at 46 µg/l and 550 µg/l, respectively. These results are significantly below the maximum baseline concentrations for these wells (9,500 µg/l and 6,750 µg/l, respectively). Trichloroethene and trans-1,2-dichloroethene were detected at trace concentrations (below 1 µg/l) in sample MW49.
- Benzene was detected in the sample collected at well MW19 at an estimated concentration of 1.6 µg/l. Monitoring well MW19 is located downgradient of MW06. Benzene was also detected at an estimated concentration of 0.4 µg/l in the sample collected from MW45, which is located further downgradient from MW06 and MW19. Monitoring well MW44 was not sampled.
- Chloroethane was detected in samples from MW06, MW19, MW48, and MW49. Chloroethane concentrations did not exceed baseline values in samples from these wells.

Downgradient wells

Benzene was detected at an estimated concentration of 2.2 µg/l in the sample collected from well MW15 which is downgradient from the Town of Griffith Landfill. Benzene was not detected in any other samples from downgradient wells in the upper aquifer. Chloroethane was not detected in any samples collected from downgradient wells in the upper aquifer.

Tentatively Identified Compounds

Several tentatively identified compounds (TICs) were detected in samples from upper aquifer wells MW15, MW17, MW19, MW45, and MW49. 1,2,4,5-tetramethylbenzene and 1,2,3,4-tetramethylbenzene were detected in the sample collected from MW17 at 17.9 µg/l and 9.6 µg/l, respectively. Other TICs detected in the upper aquifer included chlorodiflouromethane, ether, and various isomers of benzene and ether. The analytical results for TICs are provided in Appendix C -Laboratory Analytical Reports.

3.2.2 Lower Aquifer Results

Table 5 summarizes the indicator parameter results in samples from 18 lower aquifer monitoring wells collected

during October 2007. **Figure 4** shows the well locations and detected indicator VOCs on a map of the Site. Graphs presenting the concentrations of benzene and chloroethane versus time for the lower aquifer monitoring wells are presented in **Appendix B**. The validation narrative and laboratory analytical reports for samples from the lower aquifer are provided in **Appendix C**.

VOC Results

Historically, benzene and chloroethane have been detected in the samples collected from lower aquifer monitoring wells MW09, ATMW4D, MW10C, and MW53. ATMW4D and MW09 were abandoned and replaced by MW56 and MW09R, respectively. Recently, tetrachloroethene has been detected at variable and often increasing concentrations in samples from lower aquifer well MW30.

Purging systems were installed in MW10C and MW56 to capture and treat impacted groundwater in the lower aquifer. These pumps were turned on in October 2002. Recently MW53, LA-14, and MW30 were added to this pumping system. These pumps were brought on-line in September 2007. In addition, two sentinel wells MW58 and MW59 were installed to monitor groundwater downgradient of MW53. The groundwater monitoring program, with the addition of the sentinel wells, has focused on monitoring concentrations upgradient, within, and downgradient of these areas.

Upgradient well

No VOCs were detected in the sample collected from upgradient well MW28, which is located in the lower aquifer south of the Site.

Interior wells

Indicator compounds were detected in samples collected from interior wells MW09R, MW10C, and MW56. Benzene was detected below maximum baseline concentrations in samples from MW09R (4.9 µg/l) and MW56 (220 µg/l). However, benzene was detected at a concentration of 670 µg/l in the sample collected from MW10C, above its maximum baseline concentration of 150 µg/l for this compound. Concentrations of benzene in samples from MW10C have been as high as 4,800 µg/l as recently as March 2003.

Chloroethane was detected in the sample from MW29 (69 µg/l) above its maximum baseline concentration of 10 µg/l. However, this concentration is less than the reported concentration of chloroethane (100 µg/l) in the sample from this well September 2006. MW29 is nested with MW09R and is screened approximately 25 feet deeper in the lower aquifer at this location. No other chloroethane concentrations from interior wells exceeded their respective maximum baseline values.

Vinyl chloride was detected at trace, estimated concentrations in samples collected from two interior wells, MW09R (0.48 µg/l) and MW10C (0.41 µg/l). Vinyl chloride has not been detected at MW09R in the past, and has not been detected at MW10C since September 2002. The variability in sample results from these wells may be the result of a change to a new primary laboratory. Samples that are analyzed on different machines may detect compounds that were not reported in the past due to precision and accuracy differences.

Downgradient wells

Indicator VOCs were detected in samples collected from three downgradient monitoring wells in October 2007. Benzene was detected in samples collected from MW08 and MW33 at 0.43 µg/l and 1.7 µg/l, respectively. Benzene was detected in the sample collected from MW53 at 5.9 µg/l, below its maximum baseline concentration of 10 µg/l for this compound.

Cis-1,2-dichloroethene was detected at an estimated concentration of 2.8 µg/l in the sample collected from MW33. Cis-1,2-dichloroethene was not detected in the sample collected from this well during the baseline sampling event.

Indicator VOCs were not detected in samples collected from sentinel wells MW58 and MW59.

Tentatively Identified Compounds

TICs were detected in samples from 11 of the 18 lower aquifer wells sampled in October. Ether was detected most commonly and at the highest concentrations in lower aquifer samples. Ether was detected in samples collected from MW51 and MW52 at concentrations of 298.7 µg/l and 297.3 µg/l, respectively. Other detected TICs included 1,4-dioxane, di-n-propyl ether dimethoxymethane, tetrahydrofuran, 2-methyl-1,2-propanol, and various other compounds detected at trace concentrations. The analytical results for TICs are provided in Appendix C – Laboratory Analytical Reports.

3.2.3 Discussion

The Site source areas are contained within the barrier wall which is limiting migration of contaminants to adjacent areas in the upper aquifer. The groundwater monitoring program in the upper aquifer is structured specifically to monitor groundwater outside the barrier wall. In the lower aquifer, low-rate extraction pumps have been installed in wells where VOCs have historically been identified. The groundwater monitoring program in the lower aquifer has covered monitoring concentrations upgradient, within, and downgradient of these areas. The concentration trends over time shown on data plots in **Appendix B** are discussed.

Upper Aquifer

VOCs

Historically, monitoring data from the upper aquifer has shown seasonal variability. This pattern has been evident in samples collected from interior wells, located to the north and south of the Site.

In the north, monitoring wells MW48 and MW49 have historically shown variability with higher concentrations in the fall and lower concentrations in spring. This was a fall monitoring event so we would expect to see higher concentrations in samples from these wells than the samples collected in April 2007. However, benzene was detected in the sample collected from MW48 at 46 µg/l, which is lower than detected in the spring of 2007 (65 µg/l). Chloroethane was detected in the sample from this well at a concentration of 6 µg/l which is slightly higher than detected during the April 2007 event. Overall, concentrations of benzene of chloroethane have decreased significantly in samples collected from MW48 (**Appendix B**).

Benzene was detected in the sample from MW49 at 550 µg/l which is higher than detected in both April 2007 (170 µg/l) and September 2006 (25 µg/l). The chloroethane concentration in sample MW49 (10 µg/l) during October 2007 is higher than the past two sampling events when concentrations of this compound were below detection limit. However, concentrations of benzene and chloroethane are significantly below their respective maximum baseline values (9,500 µg/l and 1,000 µg/l) in samples from MW49.

Since the monitoring program was started in 1997, interior wells MW48 and MW49 continue to show decreasing concentration trends. The decreasing concentrations of benzene and chloroethane north of the Site can be attributed to source containment and natural attenuation.

South of the Site, monitoring well MW06 has historically shown seasonal variability with higher concentrations in the spring and lower concentrations in the fall. However, from 2004 to 2006, MWH completed four rounds of in-situ chemical oxidation (ISCO) treatments near the intersection of Colfax Street and Reder Road. Monitoring well MW06 is located downgradient of the ISCO treatment area and is an indicator of remediation progress in this area. These treatments involved injecting large volumes of water (and chemical reagents) into the water table zone. The treatments appear to have interrupted the expected seasonal variability usually observed at MW06.

Concentrations of benzene and chloroethane were elevated in fall of 2005 and the spring of 2006 in samples collected from MW06. However, benzene concentrations were below the detection limit in both the spring and fall of 2007. The chloroethane concentration in the sample

collected from this well in October 2007 was below 1 µg/l. These results are significantly lower than the previous fall sample results, during which chloroethane was detected at 37 µg/l. MWH will continue to monitor MW06 to see if overall decreasing trends will result from the ISCO remediation conducted upgradient of this well. The next sampling event, in March 2008, will be a critical indicator since VOCs have historically been at their peak concentrations in spring sampling events.

Benzene and chloroethane concentrations in the sample from MW19, located 500 feet downgradient of MW06, were detected at 1.6 µg/l and 7.6 µg/l, respectively. Except for the sample collected in April 2007, benzene concentrations have remained at or below the reporting limit for this well over the past several years. The chloroethane concentration in the sample from MW19 is slightly higher than the concentration detected in April 2007 (3.4 µg/l), but significantly lower than the concentration detected in September 2006 (15 µg/l). Chloroethane concentrations were at or above the maximum baseline concentration in samples at this well from March 2003 to September 2004. The decreasing concentration trend for chloroethane at MW19 is evident in the graph in **Appendix B.**

Decreasing concentrations of benzene and chloroethane have been reported in samples collected from interior well MW45, located 1,000 feet downgradient of MW06. The benzene and chloroethane concentrations in samples from this well have remained below 5 µg/l for the past several years. The decreasing concentration trend for benzene and chloroethane at MW45 is evident in the graph in **Appendix B**.

Trace VOCs have occasionally been detected in samples collected from downgradient wells MW14, MW15, MW39, MW42, MW43, and MW44. During October 2007, monitoring wells MW39 and MW44 were not sampled. MW39 was not sampled in October because it is sampled in the spring when concentrations are expected to be highest. MW44 was not sampled during the October event because of the damage it sustained. MWH does not recommend replacing MW44. MW44 was installed outside the original groundwater plume in the upper aquifer, south of the Site. The groundwater plume to the south is not expanding and benzene has only been detected once (at a trace concentration in March 2003) in samples from this well. During the second quarter of 2008 MWH will be revising the LTGMP to include future monitoring requirements for downgradient monitoring wells.

The sample collected from one downgradient well, MW15, contained a trace concentration of benzene. MW15 is located downgradient of the Town of Griffith Landfill. Prior to this sampling event, benzene concentrations have been below the reporting limit in samples from this well during the past three monitoring events. Chloroethane concentrations have been below the reporting limit for the past four monitoring events.

Concentrations of benzene and chloroethane in samples from downgradient well MW15 have shown decreasing concentration trends over the last several sampling events.

Data from upper aquifer monitoring wells indicate that VOC contamination has not spread beyond historical limits. Perimeter monitoring wells have been generally free of benzene and chloroethane detections and concentrations within the plume have been decreasing.
In April 2006, MWH completed the fourth application of ISCO treatment to residual hydrocarbons south of the Site near the intersection of Colfax Street and Reder Road. These residual hydrocarbons appear to have been feeding the groundwater plume observed south of the Site in samples collected from wells MW06, MW19, and MW45.

The decreasing concentrations of benzene and chloroethene in the samples from wells MW06, MW19, and MW45 are likely related to the ISCO treatments and natural attenuation. MWH will continue to monitor MW06 to evaluate remediation progress in this area.

Lower Aquifer

VOCs
Several lower aquifer monitoring wells continue to show detections of VOCs.

Prior to the replacement of MW09, samples collected from this well contained concentrations of benzene and chloroethane as high as 290 and 2,900 µg/l, respectively. Since MW09R replaced MW09, the benzene and chloroethane concentrations have decreased. The most recent sample collected from MW09R detected benzene at a concentration of 4.9 µg/l. Chloroethane has not been detected in samples from this well during the past five sampling events.

Nested with well MW09R are MW29 and MW34. MW09R is screened in the upper portion of the lower aquifer, and MW29 and MW34 are screened in the middle and lower part of the lower aquifer, respectively. Benzene has not been detected in recent samples from MW29, but concentrations of chloroethane have generally increased over the last several years and have exceeded maximum baseline concentrations since September 2002. Concentrations of chloroethane have decreased over the last two sampling events, but remain above the maximum baseline value for this compound.

The presence of chloroethane in samples from MW29 is likely due to diffusion of a concentration gradient between this well and MW09R. It appeared that between 1990 and 1996 the borehole of MW09 acted as a conduit for benzene and chloroethane to migrate from the upper to lower aquifer. Therefore, MW09 was abandoned and replaced by MW09R. Since then, the decreasing concentrations of benzene and chloroethane show that

the connection between the upper and lower aquifer at this location has been eliminated. It is expected that concentrations of chloroethane in samples from MW29 will decrease, just as they have at MW09R. Recent sample results from MW29 (over the past two rounds of monitoring) appear to support this. In the past, benzene and chloroethane have not been detected in samples from well MW34.

The concentration of benzene in the sample collected from MW10C during October 2007 (670 µg/l) is higher than the previous sampling event in April 2007 (90 µg/l), and exceeds its maximum baseline concentration of 150 µg/l for this compound. However, benzene concentrations in samples from MW10C continue to show an overall decrease. Past samples from MW10C contained benzene concentrations as high as 4,800 µg/l (March 2003).

Chloroethane was detected at a concentration of 260 µg/l in the sample collected from MW10C, which is higher than detected during the April 2007 sampling event (200 µg/l). However, both of these concentrations are still well below the maximum baseline concentration of 420 µg/l for this well. The pump inside MW10C did not operate between July 2005 and September 2007 due to a malfunction. This malfunction also prevented sample collection from MW10C in September 2006. The pump in MW10C was replaced and brought back online with the rest of the lower aquifer pumping system in September 2007. MWH will continue to extract groundwater for treatment at this location and collect samples during the regular monitoring events.

The concentration of benzene in the sample collected from MW56 (220 µg/l) is consistent with the previous concentrations in April 2007 and September 2006 (210 µg/l and 190 µg/l, respectively). Chloroethane was detected in the sample from MW56 at a trace, estimated concentration. Prior to this event, chloroethane had not been detected in samples from MW56 during the past four sampling events. However, in March 2005 benzene and chloroethane were detected in the sample from this well at 1,200 µg/l and 6.4 µg/l, respectively. The low-rate extraction pump operating inside MW56 may be responsible for the overall decreased levels of benzene and chloroethane detected in this well.

Benzene concentrations in samples from MW53 had increased gradually from below detection limits in 1997 to 12 µg/l in April 2007. The concentration of benzene (5.9 µg/l) in the sample collected from MW53 indicates that the lower aquifer extraction system has reversed the trend. Cis-1,2-dichlorethene was detected in the sample collected from MW53 in April 2007, but was not detected in the sample collected from this well in October 2007.

MWH performed a multi-phased investigation to address the extent of benzene-impacted groundwater near

MW53. This included installing temporary lower aquifer wells (LA12 through LA15) to delineate the groundwater with benzene in the vicinity of MW53. Additionally, a three-day pumping test was performed in November 2005 to provide site specific hydraulic data.

The results of the investigation indicated an area of groundwater contaminated with benzene approximately 225 feet wide is located near MW53 at the bottom of the lower aquifer. The pumping test data was used to design a pumping system capable of capturing benzene-impacted groundwater in the vicinity of MW53. Groundwater extraction pumps have been installed in four lower aquifer wells (MW53, LA12, LA13, and LA14) in this area. MWH has the option of activating one or more of these pumps as necessary. Currently, the pumps are extracting groundwater from MW53 and LA14, each at a rate of two to five gallons per minute. This extraction system transfers groundwater back to the Groundwater Treatment Plant (GWTP) for treatment. The extraction system near MW53 was brought on-line in September 2007.

The final phase of the lower aquifer investigation included the installation and sampling of two sentinel wells (MW58 and MW59), north of MW53. These wells were installed with 10 foot screens situated at the bottom of the lower aquifer. They are screened across the same elevation as monitoring well MW53 which has documented the lower aquifer benzene plume. The two new monitoring wells were sampled in September 2006, April 2007, and again for this sampling event (October 2007). Benzene and chloroethane were not detected in the samples collected from these wells during any of these events. These results indicate that benzene has not migrated in the lower aquifer to the sentinel well locations, which are located approximately 250 feet north of MW53. MWH recommends sampling MW58 and MW59 along with the other lower aquifer wells, as part of the LTGMP.

Historically, tetrachloroethene has been detected at low but increasing concentrations in samples from MW30. Tetrachloroethene has been detected as high as 11 µg/l in September 2006. Tetrachlorethene was not detected in the sample collected from MW30 during the October 2007 sampling event. Tetrachloroethene has not been detected in samples collected from any other lower aquifer wells sampled as part of the LTGMP. A plot of tetrachloroethene concentrations for MW30 is included in **Appendix B**.

MWH installed a low-rate extraction pump in MW30 to capture the impacted groundwater near this well. The extraction system pumps groundwater at a rate of 2 gallons per minute (similar to the removal rates at MW10C and MW56). The design of the pumping system is similar to the system designed near MW53, as well as that of MW10C and MW56. The extracted groundwater is pumped to the GWTP and after treatment, discharged to the wetlands. Underground piping transfers

groundwater from MW30 and the MW53 system to the GWTP. This system was turned on in September 2007. The absence of measurable tetrachloroethene in the sample from MW30 in October is probably because the system is pumping out water faster than the natural flow and therefore we are not detecting the tetrachloroethene. The pumps installed in lower aquifer wells are inspected regularly to provide a measure of the gallons pumped. As of December 2007, the system pumped a total of 7,126,510 gallons of groundwater from these wells (**Appendix D**).

MW33 and MW51 are nested with well MW30. MW30 is screened in the middle part of the lower aquifer. MW33 is screened in the deepest part of the lower aquifer and MW51 is screened in the uppermost portion of the lower aquifer. Tetrachloroethene has not been detected in the uppermost (MW51) or deepest (MW33) portions of the lower aquifer at this location. The concentrations of tetrachloroethene appear to be localized in the middle of the lower aquifer near MW30. MW30 is located at the downgradient edge of the Site.

Benzene and cis-1,2-dichlorethene were detected in the sample collected from MW33 in trace, estimated concentrations (1.7 µg/l and 2.8 µg/l, respectively). Benzene has not been detected in this well since December 1998. Prior to April 2007, cis-1,2-dichloroethene had not been detected in this well.

In October, benzene was detected at trace concentration of 0.43 µg/l in the sample collected from downgradient well MW08. Benzene has not been detected in samples from this well in the past. MWH will continue to monitor this well according to the LTGMP.

Additionally, vinyl chloride was detected at trace, estimated concentrations in samples collected from two interior wells, MW09R (0.48 µg/l) and MW10C (0.41 µg/l). Vinyl chloride has not been detected at MW09R in the past, and has not been detected at MW10C since September 2002. MWH will continue to monitor these wells according to the LTGMP.

The most likely source(s) of contamination in the lower aquifer is one of the six production wells, which ACS constructed and used in the past. MWH properly abandoned these six production wells in 1998; thus, removing these potential sources of contamination.

The existing monitoring well network, with the new sentinel wells downgradient of MW53, will provide adequate coverage to monitor the lower aquifer downgradient of the Site. The monitoring network will verify that contaminants in the lower aquifer are not migrating off-site to the North.

Corrective Actions

According to the LTGMP, MWH is to propose corrective actions for analytical results that exceed maximum baseline concentrations or that demonstrate increasing trends. The following lists the exceedances (underlined) and the corrective action taken:

- Baseline exceedance and/or increasing and variable concentrations in samples collected from MW10C and MW56: MWH installed a lower aquifer pumping system within MW10C and MW56. MWH proposes to continue monitoring concentrations in these wells.

- Baseline exceedance and increasing chloroethane concentrations in samples collected from MW29: These concentrations are most likely caused by a diffusion gradient between MW09 and MW29. With the replacement of MW09, the source of chloroethane has been removed. Concentrations of chloroethane in MW29 are expected to decrease with time, just as they have at MW09R. MWH will continue to monitor concentrations in this well according to the LTGMP.

- Variable benzene and cis-1,2-dichloroethene concentrations in samples collected from well MW33: MWH will continue to monitor concentrations in this well according to the LTGMP.

- Variable benzene concentration in sample collected from well MW08: MWH will continue to monitor concentrations in this well according to the LTGMP.

- Variable vinyl chloride concentrations in samples collected from wells MW09R and MW10C: MWH will continue to monitor concentrations in these wells according to the LTGMP.

3.3 RESIDENTIAL WELL ANALYTICAL DATA

The following four residential wells were sampled during October 2007:

Well Identity	Street Address
PW-B	1009 Reder Road
PW-C	1029 Reder Road
PW-D	1033 Reder Road
PW-T	1043 Reder Road

One residential well, PW-A, located at 1007 Reder Road, was not sampled. The house is no longer inhabited and power has been shut off. As a result, MWH was not able to collect a sample from this location.

The locations of the five residences are shown on **Figure 5**. The samples were analyzed for low-concentration organics (VOCs, SVOCs, PCBs, and pesticides) and inorganics (metals and cyanide). The analytical results from the residential wells are provided in **Appendix A**.

No VOCs were detected in any of the samples collected during the October 2007 residential sampling event.

Four SVOCs (benzo[a]pyrene, benzo[g,h,i]perylene, dibenz[a,h]anthracene, and indeno[1,2,3cd]pyrene] were reported in one or more of the samples collected from these locations. However, each of these compounds was also detected in an associated laboratory blank. Laboratory Data Consultants (LDC), the data validation subconsultant, flagged each of these results with a UB, meaning that these compounds were not detected at or above the reported concentration due to blank contamination. Therefore, these results are not considered real and no further sampling was performed. **Table 6** lists these detections. Validated laboratory data is provided in **Appendix C**.

It should be noted that this round is first set of residential samples analyzed by the new primary analytical laboratory, Microbac. MWH is working with Microbac on quality procedures.

Pesticides and PCBs were not detected in any of the samples collected during the October 2007 residential sampling event.

Several inorganic analytes were detected in the residential well samples. **Table 7** provides the detected inorganic results along with the related MCLs, laboratory method detection limits (MDLs), and practical quantitation limits (PQLs, or reporting limits). All detections were generally similar to concentrations detected during previous residential sampling events. No detections of inorganic compounds exceeded their respective MCLs.

SECTION 4.0 – CONCLUSIONS

The September 2007 water levels and October 2007 groundwater samples were collected from wells at the Site to meet the following objectives from the revised LTGMP:

1. **Collect water level data to confirm that groundwater flow regimes in the upper and lower aquifers are consistent with historical flow patterns.**

   Water levels within the upper and lower aquifers were lower in October 2007, compared to the two previous sampling events. These lower groundwater elevations are likely related to annual variations in the regional hydrograph. However, the groundwater flow regimes determined from October 2007 data are consistent with past conditions for both the upper and lower aquifers.

2. **Collect water level data to confirm that the Barrier Wall Extraction System (BWES) and Perimeter Groundwater Containment System are affecting the upper aquifer hydraulic gradients as planned.**

   The data indicate the barrier wall is containing the groundwater enclosed within the wall. The regional groundwater flow from the east is diverted toward the north and south around the barrier wall. The groundwater diverted to the north is collected in the PGCS extraction trench. Groundwater diverted south flows along the barrier wall and continues to the south and southeast. These results are consistent with previous observations.

3. **Collect and analyze groundwater samples from upgradient monitoring wells in the upper and lower aquifers to confirm background ground water quality.**

   There were no detections of benzene or chloroethane in samples from upgradient monitoring wells in either the upper or lower aquifer wells. A trace concentration of tetrachloroethene was detected in the sample collected from upper aquifer well MW17. Tetrachloroethene has occasionally been detected at trace concentrations in previous samples from this well.

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4. **Collect and analyze groundwater samples from upper and lower aquifer monitoring wells to provide indication of any changes in groundwater quality at downgradient boundaries.**

   In October, benzene was detected at a trace, estimated concentration in the sample collected from one downgradient well, MW15, screened within the

upper aquifer downgradient from the Town of Griffith Landfill. Chloroethane was not detected in samples from downgradient wells in the upper aquifer during October 2007.

MWH does not recommend replacing MW44. MW44 was installed outside the original groundwater plume in the upper aquifer, south of the Site. The groundwater plume to the south is not expanding and benzene has only been detected once (at a trace concentration in March 2003) in samples from this well. MWH will revise the LTGMP to include future monitoring requirements for downgradient monitoring wells, and submit it to the Agencies for review and approval prior to the September 2008 sampling round.

In October, benzene was detected in samples from three downgradient monitoring wells in the lower aquifer. Benzene was detected at trace concentrations in the samples collected from MW08 (0.43 µg/l) and MW33 (1.7 µg/l). MWH will continue to monitor these locations according to the LTGMP.

Benzene was detected in the sample collected from MW53 at a concentration of 5.9 µg/l, lower than the concentrations detected since September 2002. A pumping system capable of capturing benzene impacted groundwater in the vicinity of MW53 has been installed and began operating in September 2007. The system will continue to extract groundwater for treatment at this location.

Tetrachloroethene, which has been detected at MW30 since September 2004, was not detected at this well during October 2007. Generally, concentrations of tetrachloroethene in samples collected from this well had been increasing since September 2004. MWH added MW30 to the pumping system that was installed near MW53. The pumping system began operating in September 2007, at the same time as the pumping system near MW53. The absence of measurable tetrachloroethene in this well during October is likely because the system is pumping out water faster than the natural flow and therefore we are not detecting the tetrachloroethene. MWH will continue to extract groundwater for treatment at this location.

Cis-1,2-dichloroethene was detected below the reporting limit in the sample collected from MW33. Cis-1,2-dichlorethene was also detected in this well during April 2007. Cis-1,2-dichloroethene was not detected in the sample collected from MW33 during the baseline sampling event. MWH will continue to monitor these locations according to the LTGMP.

No indicator VOCs were detected in the samples collected from sentinel wells, MW58 and MW59. MWH recommends sampling MW58 and

MW59 along with the other lower aquifer wells, as part of the LTGMP to achieve the objective of monitoring groundwater quality in the lower aquifer at the downgradient boundary.

5. **Collect and analyze groundwater samples from the interior of the areas of contaminated groundwater to document how concentrations change with time as the remediation progresses.**

   Sampling data from the upper aquifer indicate that concentrations within contaminated areas outside the barrier wall continue to decrease. The concentrations of benzene and chloroethane in samples from MW48 have decreased over the last several years. Concentrations at MW49 have been variable during recent sampling events but remain well below baseline values. Concentrations in samples from MW06, MW19 and MW45 have also demonstrated decreasing trends during recent sampling events. These decreasing trends in the upper aquifer are likely the combined result of the barrier wall, the PGCS, the ISCO treatments near Colfax Street and Reder Road, as well as natural attenuation.

   In samples collected from lower aquifer interior wells, concentrations of indicator VOCs have been variable over the last several sampling events. Vinyl chloride was detected at trace, estimated concentrations in samples from MW09R and MW10C. Concentrations of benzene and chloroethane in samples from MW09R and adjacent nested well MW29 have decreased over the past two sampling events. Benzene and chloroethane concentrations in samples collected from MW56 are also decreasing since the replacement of ATMW4D and installation of a pumping system in this well. A similar pumping system is operating at MW10C to capture impacted groundwater and prevent its migration in the lower aquifer. In addition, beginning in September 2007, the lower aquifer pumping system was expanded to include MW30 and the area near MW53. MWH will continue to monitor these locations according to the LTGMP.

   The next groundwater sampling event is scheduled to occur in March 2008. It will be an “indicator” sampling round.

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Table 1
Groundwater Elevation Data - September 2007
American Chemical Service NPL Site
Griffith, Indiana

Monitoring Point Designation	Reference Points			September 28, 2007		Notes
	East	North	TOC	Level	Elevation	
Upper Aquifer Monitoring Wells						
MW06	5298	5520	655.28	21.65	633.63	
MW11	6377	7329	640.47	6.50	633.97	
MW12	6019	6352	642.74	8.05	634.69	
MW13	5050	7814	634.08	3.43	630.65	
MW14	4882	6995	638.56	9.13	629.43	
MW15	4721	5003	637.89	5.15	632.74	
MW17	5656	5677	647.10	13.10	634.00	
MW19	5231	4943	635.78	3.15	632.63	
MW37	5395	7976	636.78	5.95	630.83	
MW38	5903	8216	636.51	5.78	630.73	
MW39	6253	7947	637.77	6.25	631.52	
MW40	6349	6831	639.46	5.05	634.41	
MW41	6242	4517	632.74	5.81	626.93	
MW42	6264	3808	632.32	6.25	626.07	
MW43	5880	3719	633.56	6.93	626.63	
MW44	5390	4303	633.04	NM	NM	Damaged
MW45	5830	4388	635.35	6.86	628.49	
MW46	4526	7424	633.32	2.78	630.54	
MW47	5958	5084	640.54	6.93	633.61	
MW48	5669	7814	636.36	5.30	631.06	
MW49	5551	7650	637.00	5.86	631.14	
M4S	4953	6537	633.42	3.23	630.19	

Notes:
All depth measurements and elevations are in units of feet.
Elevation is in feet above mean sea level.
TOC = top of casing
NM = not measured

Table 1
Groundwater Elevation Data - September 2007
American Chemical Service NPL Site
Griffith, Indiana

Monitoring Point Designation	Reference Points			September 28, 2007		Notes
	East	North	TOC	Level	Elevation	
Staff Gauges & Piezometers						
P13	4878	5735	651.20	17.33	633.87	
P17	4584	6006	651.90	NM	NM	Destroyed
P23	4689	7018	636.18	6.45	629.73	
P25	5131	7510	633.33	2.89	630.44	
P26	4764	7309	634.23	3.95	630.28	
P27	4904	7020	639.70	9.86	629.84	
P28	5883	7486	644.53	11.71	632.82	
P31	5480	7159	641.03	9.05	631.98	
P32	5746	7026	642.32	10.57	631.75	
P36	5410	6851	645.89	14.57	631.32	
P40	5931	7241	638.77	5.50	633.27	
P41	5663	7377	637.23	4.84	632.39	
P49	5145	6949	638.98	8.83	630.15	
SG8R	5409	5252	634.70	NM	NM	Destroyed
SG8R2	5409	5242	632.67	NM	NM	Destroyed
SG8R3	5255	5406	636.32	3.30	633.02	Re-installed 9/22/06, resurveyed 9/27/06
SG5	5464	7713	633.36	NM	NM	Destroyed
SG5R	5465	7714	633.35	4.98	631.73	Re-installed 9/22/06, resurveyed 9/27/07
SG13	4819	7209	631.53	4.98	629.91	Reference TOC is the 6.0' mark on staff gauge
SG14	5109	6523	635.44	NM	NM	Destroyed
SG14R	5093	6598	635.59	DRY	DRY	Re-installed 9/22/06, resurveyed 9/27/07
PGCS Piezometer Sets						
P81	5577	7581	636.19	NM	NM	Blockage at 5 ft
P82	5577	7572	635.77	5.43	630.34	
P83	5577	7561.6	635.95	4.99	630.96	
P84	5322	7603	634.35	4.18	630.17	
P85	5326	7594	634.08	3.93	630.15	
P86	5329	7585	634.41	4.31	630.10	
P87	5121	7466	633.88	3.34	630.54	
P88	5130	7460	633.90	4.08	629.82	
P89	5137	7454	634.02	4.13	629.89	
P90	4881	7152	634.45	NM	NM	Blockage at 4.15 ft
P91	4889	7145	634.59	5.42	629.17	
P92	4896	7138.1	633.87	4.48	629.39	

Notes:

All depth measurements and elevations are in units of feet.

Elevation is in feet above mean sea level.

TOC = top of casing

NM = not measured

Table 1
Groundwater Elevation Data - September 2007
American Chemical Service NPL Site
Griffith, Indiana

Monitoring Point Designation	Reference Points			September 28, 2007		Notes
	East	North	TOC	Level	Elevation	
BWES Water Level and Piezometer Pairs						
P93	5136	7067	639.05	9.22	629.83	
P94	5146	7061	640.99	10.89	630.10	
P95	5146	6532	638.58	8.24	630.34	
P96	5156	6537	641.26	15.82	625.44	
P105	5885	6678	638.86	4.11	634.75	
P106	5871	6685	638.10	8.32	629.78	
P107	5766	7339	637.42	4.73	632.69	
P108	5757	7324	638.13	6.59	631.54	
P109	5740	6387	644.30	9.59	634.71	
P110	5705	6382	647.68	19.88	627.80	
P111	5551	5950	650.03	15.69	634.34	
P112	5525	5960	653.36	26.11	627.25	
P113	5309	5693	657.53	29.90	627.63	
ORCPZ102	5331	5612	652.47	18.74	633.73	
P114	5035	5729	653.69	25.56	628.13	
P115	4970	5708	652.50	18.82	633.68	
P116	5031	6087	646.26	18.17	628.09	
P117	5014	6087	643.93	11.37	632.56	
P118	5402	6539	645.52	17.79	627.73	

Notes:
All depth measurements and elevations are in units of feet.
Elevation is in feet above mean sea level.
TOC = top of casing

Table 1
Groundwater Elevation Data - September 2007
American Chemical Service NPL Site
Griffith, Indiana

Monitoring Point Designation	Reference Points			September 28, 2007		Notes
	East	North	TOC	Level	Elevation	
Lower Aquifer Wells						
MW07	6113	6732	641.46	19.77	621.69	
MW08	5934	7506	640.43	19.12	621.31	
MW09R	4893	6990	639.05	17.34	621.71	
MW10C	5229	7554	637.45	14.90	622.55	Pump in well is operating
MW23	4717	7404	633.31	11.59	621.72	
MW24	4596	8033	635.22	14.00	621.22	
MW28	5657	5695.6	648.77	26.35	622.42	
MW50	5269	5383	649.43	26.98	622.45	
MW51	5198	7767	634.16	12.93	621.23	
MW52	4996	7814	632.74	11.98	620.76	
MW54R	5589.8	7592.2	637.51	16.04	621.47	
M4D	4949	6538	633.32	11.42	621.90	

Monitoring Point Designation	Reference Points			September 28, 2007		Notes
	East	North	TOC	Level	Elevation	
Sentinel Wells						
MW58	7937.20	8164.36	635.10	13.87	621.23	
MW59	5032.32	8140.71	636.22	15.01	621.21	

Notes:
All depth measurements and elevations are in units of feet.
Elevation is in feet above mean sea level.
TOC = top of casing

Table 2
Field Parameter Data - October 2007
American Chemical Service NPL Site
Griffith, Indiana

Well ID	pH (std. units)	Electrical Conductivity (mS/cm)	Temperature (^{o}C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)
Upper Aquifer Monitoring Wells						
MW06	7.18	2.3	18.1	5.4	0.00	44
MW11	6.15	0.28	16.2	73	0.00	49
MW14	7.00	0.47	16.7	7.6	0.33	63
MW15	7.04	2.9	15.0	4.0	1.88	-116
MW17	6.64	0.65	15.6	30	2.66	70
MW19	7.32	3.3	17.9	0.0	0.00	-191
MW42	6.50	1.4	18.7	1	1.60	-34
MW43	6.51	1.7	18.7	16	0.00	-104
MW44	NM	NM	NM	NM	NM	NM
MW45	6.82	1.1	22.2	0.0	2.56	-104
MW48	7.41	1.6	17.4	2.1	0.00	-131
MW49	6.85	1.4	16.9	1.2	0.83	-133

Notes:

Values are those recorded upon stabilization during groundwater purging

mS/cm = milliSiemens per centimeter

^{o}C = Degrees Centrigrade

NTU = nephelometric turbidity units

mg/L = milligrams per liter

mV = millivolts

NM = Not measured due to damaged well casing. MW44 could not be sampled.

Table 2
Field Parameter Data - October 2007
American Chemical Service NPL Site
Griffith, Indiana

Well ID	pH (std. units)	Electrical Conductivity (mS/cm)	Temperature (^{o}C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)
Lower Aquifer Monitoring Wells						
MW08	7.55	0.57	14.1	0.0	0.00	-191
MW09R	7.30	0.75	14.5	8.3	1.07	-191
MW10C	7.01	1.1	16.2	0.40	0.48	-133
MW23	6.87	1.8	13.3	0.0	0.48	-110
MW28	7.33	0.96	15.1	28	1.02	-135
MW29	7.71	0.94	13.9	9.3	0.00	-114
MW30	6.97	1.1	13.9	8	0.54	-150
MW31	7.36	0.85	13.3	5.9	1.21	-158
MW32	7.83	1.3	12.5	5.1	0.00	-129
MW33	7.37	1.7	12.7	9.8	0.00	-90
MW51	7.08	1.1	15.5	16	0.37	-151
MW52	7.64	1.5	16.1	9.3	0.00	-118
MW53	6.93	1.5	14.2	0.15	0.12	-134
MW54R	7.56	1.3	14.5	9.9	0.00	-236
MW55	7.28	1.2	16.5	6.7	1.02	-145
MW56	7.12	0.98	15.9	11	0.94	-157
MW58	6.83	3.2	13.4	39	0.00	-130
MW59	6.91	2.7	14.3	18	1.23	-106

Notes:
Values are those recorded upon stabilization during groundwater purging
mS/cm = milliSiemens per centimeter
^{o}C = Degrees Centrigrade
NTU = nephelometric turbidity units
mg/L = milligrams per liter
mV = millivolts

Table 3
Summary of Groundwater Sampling Activities - October 2007
American Chemical Service, Inc. NPL Site
Griffith, Indiana

Monitoring Well ID	Location with Respect to Area of Groundwater Contamination	Date Sampled	Indicator VOCs	Full Scan	Quality Control Sample ID
Upper Aquifer Monitoring Wells					
MW06	Interior	10/4/2007	X		
MW11	Upgradient	10/1/2007	X		
MW14	Downgradient	10/3/2007	X		
MW15	Downgradient	10/4/2007	X		
MW17	Upgradient	10/1/2007	X		MS/MSD
MW19	Interior	10/2/2007	X		
MW42	Downgradient	10/2/2007	X		
MW43	Downgradient	10/2/2007	X		
MW44	Downgradient	NS			
MW45	Interior	10/2/2007	X		MS/MSD
MW48	Interior	10/4/2007	X		
MW49	Interior	10/4/2007	X		

Notes:

X - Indicates sample was analyzed for selected parameter.

Indicator Volatile Organic Compounds (VOCs) - Includes the parameters 1,1-dichloroethane, 1,1-dichloroethene, 1,2-dichloroethane, benzene, chloroethane, cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, trans-1,2-dichloroethene, and vinyl chloride.

DUP - Duplicate sample

MS/MSD - Matrix spike/matrix spike duplicate

NS - Not sampled due to damaged well casing.

Table 3
Summary of Groundwater Sampling Activities - October 2007
American Chemical Service, Inc. NPL Site
Griffith, Indiana

Monitoring Well ID	Location with Respect to Area of Groundwater Contamination	Date Sampled	Indicator VOCs	Full Scan	Quality Control Sample ID
Lower Aquifer Monitoring Wells					
MW08	Downgradient	10/2/2007	X		
MW09R	Interior	10/3/2007	X		
MW10C	Interior	10/2/2007	X		DUP02
MW23	Downgradient	10/3/2007	X		
MW28	Upgradient	10/1/2007	X		
MW29	Interior	10/3/2007	X		DUP03
MW30	Downgradient	10/3/2007	X		
MW31	Downgradient	10/3/2007	X		
MW32	Downgradient	10/3/2007	X		
MW33	Downgradient	10/3/2007	X		
MW51	Downgradient	10/3/2007	X		
MW52	Downgradient	10/3/2007	X		
MW53	Downgradient	10/3/2007	X		
MW54R	Downgradient	10/2/2007	X		
MW55	Downgradient	10/2/2007	X		
MW56	Interior	10/1/2007	X		DUP01
MW58	Downgradient	10/1/2007	X		
MW59	Downgradient	10/1/2007	X		
Residential Wells					
PW-A	Sidegradient	NS			
PW-B	Sidegradient	10/2/2007		X	DUP01
PW-C	Sidegradient	10/2/2007		X	
PW-D	Sidegradient	10/2/2007		X	
PW-T	Sidegradient	10/2/2007		X	MS/MSD

Notes:

X - Indicates sample was analyzed for selected parameter.

Indicator Volatile Organic Compounds (VOCs) - Includes the parameters 1,1-dichloroethane, 1,1-dichloroethene, 1,2-dichloroethane, benzene, chloroethane, cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, trans-1,2-dichloroethene, and vinyl chloride.

DUP - Duplicate sample

MS/MSD - Matrix spike/matrix spike duplicate

NS - Not sampled because residence is no longer inhabited.

Table 4
Summary of Detections in Samples from Upper Aquifer Monitoring Wells - October 2007
American Chemical Service NPL Site
Griffith, Indiana

Analyte	MW06 Interior Oct-07		*BV*	MW11 Upgradient Oct-07		*BV*	MW14 Downgradient Oct-07		*BV*	MW15 Downgradient Oct-07		*BV*
Volatile Organic Compounds												
Benzene	5	U/		5	U/		5	U/		**2.2**	J/	*10*
Chloroethane	**0.86**	J/	*720*	10	U/		10	U/		10	U/	
Tetrachloroethene	5	U/		5	U/		5	U/		5	U/	
trans-1,2-Dichloroethene	5	U/		5	U/		5	U/		5	U/	
Trichloroethene	5	U/		5	U/		5	U/		5	U/	

Notes:

All concentrations in micrograms per liter (ug/l)

BV = Baseline Value (only provided for detected compounds)

NA = Not available

NS = Not sampled

X / = Data qualifier added by laboratory

/*X* = Data qualifier added by data validator

U = Compound was analyzed for but not detected

J = Estimated value; concentration is below reporting limit

UJ = Analyte is not detected and the indicated reporting limit is an estimated value

Bold result indicates the compound was detected

Table 4
Summary of Detections in Samples from Upper Aquifer Monitoring Wells - October 2007
American Chemical Service NPL Site
Griffith, Indiana

	MW17			MW19			MW42			MW43		
	Upgradient			Interior			Downgradient			Downgradient		
Analyte	**Oct-07**		***BV***	**Oct-07**		***BV***	**Oct-07**		***BV***	**Oct-07**		***BV***
Volatile Organic Compounds												
Benzene	5	U/		**1.6**	J/	*10*	5	U/		5	U/	
Chloroethane	10	U/		**7.6**	J/	*20*	10	U/		10	U/	
Tetrachloroethene	**0.93**	J/	*NA*	5	U/		5	U/		5	U/	
trans-1,2-Dichloroethene	5	U/		5	U/		5	U/		5	U/	
Trichloroethene	5	U/		5	U/		5	U/		5	U/	

Notes:

All concentrations in micrograms per liter (ug/l)

BV = Baseline Value (only provided for detected compounds)

NA = Not available

NS = Not sampled

X / = Data qualifier added by laboratory

/*X* = Data qualifier added by data validator

U = Compound was analyzed for but not detected

J = Estimated value; concentration is below reporting limit

UJ = Analyte is not detected and the indicated reporting limit is an estimated value

Bold result indicates the compound was detected

Table 4
Summary of Detections in Samples from Upper Aquifer Monitoring Wells - October 2007
American Chemical Service NPL Site
Griffith, Indiana

	MW44		MW45			MW48			MW49		
	Downgradient		Interior			Interior			Interior		
Analyte	**Oct-07**	***BV***	**Oct-07**		***BV***	**Oct-07**		***BV***	**Oct-07**		***BV***
Volatile Organic Compounds											
Benzene	NS		**0.4**	J/	*1,045*	**46**		*9,500*	**550**		*6,750*
Chloroethane	NS		10	U/		**6**	J/	*1,000*	**10**		*715*
Tetrachloroethene	NS		5	U/		5	U/		5	U/	
trans-1,2-Dichloroethene	NS		5	U/		5	U/		**0.43**	J/	*NA*
Trichloroethene	NS		5	U/		5	U/		**0.37**	J/	*500*

Notes:

All concentrations in micrograms per liter (ug/l)

BV = Baseline Value (only provided for detected compounds)

NA = Not available

NS = Not sampled

X/ = Data qualifier added by laboratory

/*X* = Data qualifier added by data validator

U = Compound was analyzed for but not detected

J = Estimated value; concentration is below reporting limit

UJ = Analyte is not detected and the indicated reporting limit is an estimated value

Bold result indicates the compound was detected

Table 5
Summary of Detections in Samples from Lower Aquifer Monitoring Wells - October 2007
American Chemical Service NPL Site
Griffith, Indiana

Analyte	MW08 Downgradient Oct-07		BV	MW09R Interior Oct-07		BV	MW10C Interior Oct-07		BV	MW23 Downgradient Oct-07		BV	MW28 Upgradient Oct-07		BV
Volatile Organic Compounds															
Benzene	**0.43**	J/	*10*	**4.9**	J/	*310*	**670**		*150*	5	U/		5	U/	
Chloroethane	10	U/		10	U/		**260**		*420*	10	U/		10	U/	
cis-1,2-Dichloroethene	5	U/		5	U/		5	U/		5	U/		5	U/	
Vinyl Chloride	10	U/		**0.48**	J/	*200*	**0.41**	J/	*129*	10	U/		10	U/	

Notes:

All concentrations in micrograms per liter (ug/l)

BV = Baseline Value (only provided for detected compounds)

NA = Not available

NS = Not sampled

X / = Data qualifier added by laboratory

/*X* = Data qualifier added by data validator

U = Compound was analyzed for but not detected

UB = Compound is not detected at or above the indicated concentration due to blank contamination

UJ = Compound was not detected; sample detection limit is an estimated value

J = Estimated value; concentration is below reporting limit

Bold result indicates the compound was detected

Bold and Boxed results indicates an exceedance of the compound's baseline value

Table 5
Summary of Detections in Samples from Lower Aquifer Monitoring Wells - October 2007
American Chemical Service NPL Site
Griffith, Indiana

Analyte	MW29 Interior Oct-07		*BV*	MW30 Downgradient Oct-07		*BV*	MW31 Downgradient Oct-07		*BV*	MW32 Downgradient Oct-07		*BV*	MW33 Downgradient Oct-07		*BV*
Volatile Organic Compounds															
Benzene	5	U/		5	U/		5	U/		5	U/		**1.7**	J/	*10*
Chloroethane	**69**		*10*	10	U/		10	U/		10	U/		10	U/	
cis-1,2-Dichloroethene	5	U/		5	U/		5	U/		5	U/		**2.8**	J/	*NA*
Vinyl Chloride	10	U/		10	U/		10	U/		10	U/		10	U/	

Notes:

All concentrations in micrograms per liter (ug/l)

BV = Baseline Value (only provided for detected compounds)

NA = Not available

NS = Not sampled

X / = Data qualifier added by laboratory

/*X* = Data qualifier added by data validator

U = Compound was analyzed for but not detected

UB = Compound is not detected at or above the indicated concentration due to blank contamination

UJ = Compound was not detected; sample detection limit is an estimated value

J = Estimated value; concentration is below reporting limit

Bold result indicates the compound was detected

Bold and Boxed results indicates an exceedance of the compound's baseline value

Table 5
Summary of Detections in Samples from Lower Aquifer Monitoring Wells - October 2007
American Chemical Service NPL Site
Griffith, Indiana

Analyte	MW51 Downgradient Oct-07		*BV*	MW52 Downgradient Oct-07		*BV*	MW53 Downgradient Oct-07		*BV*	MW54R Downgradient Oct-07		*BV*	MW55 Downgradient Oct-07		*BV*
Volatile Organic Compounds															
Benzene	5	U/		5	U/		**5.9**		*10*	5	U/		5	U/	
Chloroethane	10	U/		10	U/		10	U/		10	U/		10	U/	
cis-1,2-Dichloroethene	5	U/		5	U/		5	U/		5	U/		5	U/	
Vinyl Chloride	10	U/		10	U/		10	U/		10	U/		10	U/	

Notes:

All concentrations in micrograms per liter (ug/l)

BV = Baseline Value (only provided for detected compounds)

NA = Not available

NS = Not sampled

X / = Data qualifier added by laboratory

/*X* = Data qualifier added by data validator

U = Compound was analyzed for but not detected

UB = Compound is not detected at or above the indicated concentration due to blank contamination

UJ = Compound was not detected; sample detection limit is an estimated value

J = Estimated value; concentration is below reporting limit

Bold result indicates the compound was detected

Bold and Boxed results indicates an exceedance of the compound's baseline value

Table 5
Summary of Detections in Samples from Lower Aquifer Monitoring Wells - October 2007
American Chemical Service NPL Site
Griffith, Indiana

Analyte	MW56 Interior Oct-07		*BV*	MW58 Downgradient Oct-07		*BV*	MW59 Downgradient Oct-07		*BV*
Volatile Organic Compounds									
Benzene	**220**		*NA*	5	U/		5	U/	
Chloroethane	**1.8**	J/	*NA*	10	U/		10	U/	
cis-1,2-Dichloroethene	5	U/		5	U/		5	U/	
Vinyl Chloride	10	U/		10	U/		10	U/	

Notes:

All concentrations in micrograms per liter (ug/l)

BV = Baseline Value (only provided for detected compounds)

NA = Not available

NS = Not sampled

X / = Data qualifier added by laboratory

/*X* = Data qualifier added by data validator

U = Compound was analyzed for but not detected

UB = Compound is not detected at or above the indicated concentration due to blank contamination

UJ = Compound was not detected; sample detection limit is an estimated value

J = Estimated value; concentration is below reporting limit

Bold result indicates the compound was detected

Bold and Boxed results indicates an exceedance of the compound's baseline value

Table 6
Summary of Organic Compound Detections in Samples from Residential Wells - October 2007
American Chemical Service NPL Site
Griffith, Indiana

Analyte	U.S. EPA MCL	PW-A Oct-07	PW-A RL	PW-B Oct-07	PW-B RL	RESDUP01 Oct-07	RESDUP01 RL	PW-C Oct-07	PW-C RL	PW-D Oct-07	PW-D RL	PW-T Oct-07	PW-T RL
Volatile Organic Compounds													
None Detected	NA	NS											
Semi-Volatile Organic Compounds													
Benzo[a]pyrene	0.2	NS		**1.5** JB/UB	10	**1.1** JB/UB	10	U/	10	U/	10	U/	10
Benzo[g,h,i]perylene	0.2	NS		**1.4** JB/UB	10	**1.2** JB/UB	10	**1.5** JB/UB	10	**1.2** JB/UB	10	U/	10
Dibenz[a,h]anthracene	0.2	NS		**1.6** JB/UB	10	**1.7** JB/UB	10	**1.7** JB/UB	10	**1.2** JB/UB	10	U/	10
Indeno[1,2,3cd]pyrene	0.2	NS		**1.5** JB/UB	10	**1.2** JB/UB	10	**1.6** JB/UB	10	U/	10	U/	10
PCBs/Pesticides													
None Detected	NA	NS											

Notes:

All results in micrograms per liter (ug/l)
Only detected compounds listed
Bold result indicates compound was detected
Blank cell indicates compound not detected in that sample
RESDUP01 = Duplicate sample (collected from location PW-B)
PCBs = Poly-Chlorinated Biphenyls
MCL = Maximum Contaminant Level
NA = MCL does not exist for this analyte
NS = Not sampled
RL = Reporting Limit
X / = Data qualifier added by laboratory
/*X* = Data qualifier added by validation
J = Estimated value; concentration detected is below reporting limit
B = Compound was detected in sample and in associated blank
U = Compound not detected above reporting limit
UB = Compound is not detected at or above the indicated concentration due to blank contamination

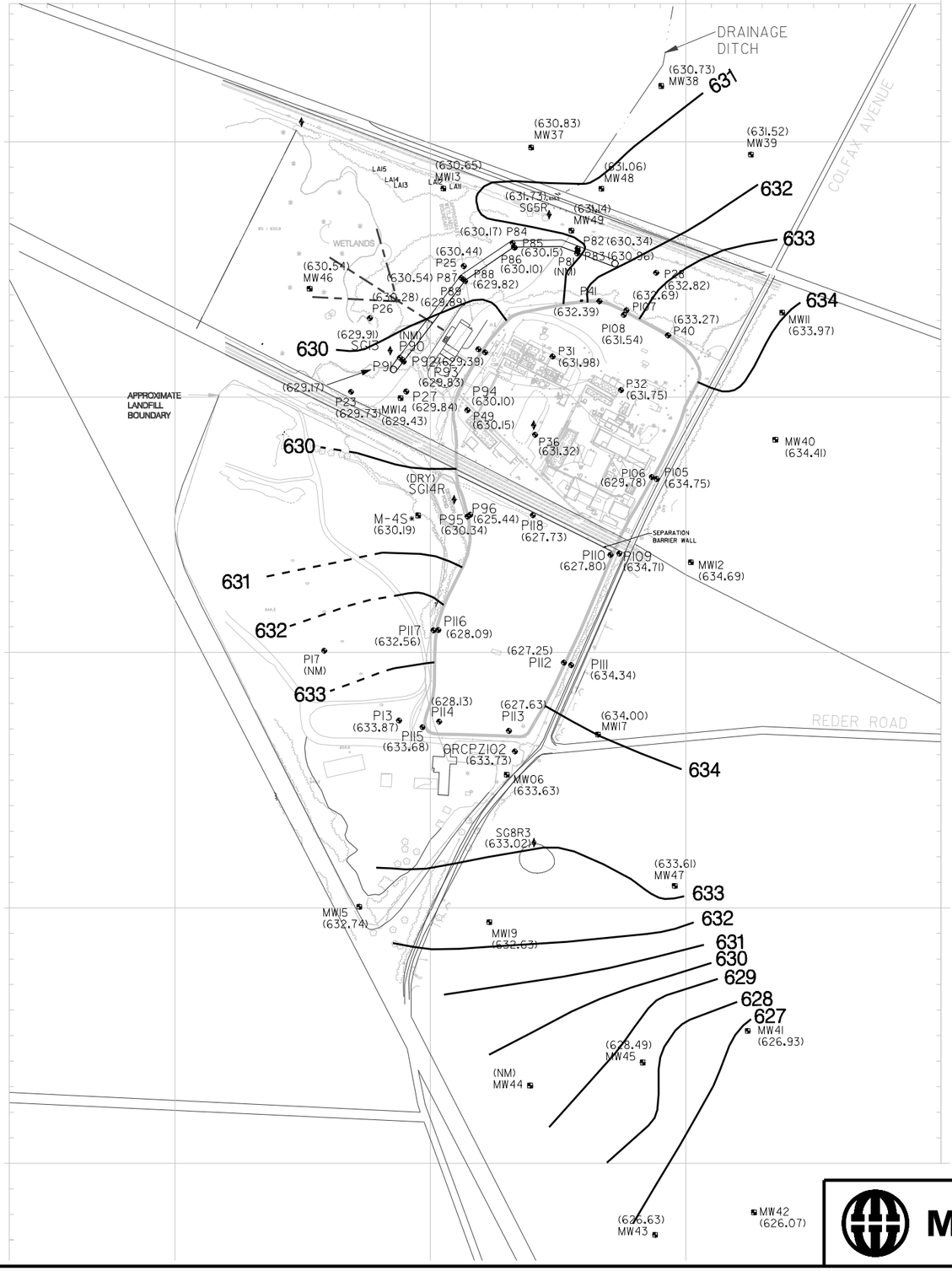
Table 7
Summary of Inorganic Results in Samples from Residential Wells - October 2007
American Chemical Services NPL Site
Griffith, Indiana

Analyte	U.S. EPA MCL	MDL (ug/l)	PQL (ug/l)	PW-A Oct-07	PW-A LQ	PW-A DV	PW-B Oct-07	PW-B LQ	PW-B DV	RESDUP01 Oct-07	RESDUP01 LQ	RESDUP01 DV	PW-C Oct-07	PW-C LQ	PW-C DV	PW-D Oct-07	PW-D LQ	PW-D DV	PW-T Oct-07	PW-T LQ	PW-T DV
Aluminum	NA	4.3	200	NS				U			U			U			U			U	
Antimony	6	0.038	6	NS			0.11	JB	UB	0.58	JB	UB	0.068	JB	UB	0.52	JB	UB	0.051	JB	UB
Arsenic	10	0.31	10	NS			0.41	J		1.4	J		0.47	J		1.1	J		0.81	J	
Barium	2,000	0.058	2	NS			120		B	120		B	150		B	130		B	140		B
Beryllium	4	0.96	1	NS				U			U			U			U			U	
Cadmium	5	0.0044	2	NS				U			U		0.014	J			U			U	
Calcium	NA	18	500	NS			80,000		B	83,000		B	86,000		B	85,000		B	91,000		B
Chromium	100	0.83	3	NS				U		1.2	J			U		1.8	J		1.3	J	
Cobalt	NA	0.0019	3	NS			0.16	J	B	0.17	J	B	0.17	J	B	0.18	J	B	0.21	J	B
Copper	1,300	0.088	10	NS			3.3	J		4.8	J		8.9	J		2.3	J		0.65	J	
Cyanide	200	2	5	NS				U			U			U			U			U	
Iron	NA	21	50	NS			2,300			2,400			3,500			2,500			2,700		
Lead	15	0.12	7.5	NS			0.29	J		0.85	J		0.59	J		0.34	J			U	
Magnesium	NA	1.7	500	NS			40,000			41,000			49,000			46,000			51,000		
Manganese	NA	0.074	2	NS			60		B	60		B	35		B	25		B	33		B
Mercury	2	0.03	0.2	NS				U			U			U			U			U	
Nickel	NA	0.031	10	NS			1.4	J		0.85	J		2.2	J		0.9	J		4.7	J	
Potassium	NA	4.0	500	NS			1,700			1,700			2,200			2,200			2,400		
Selenium	50	0.043	5	NS			0.26	JB	UB	1.5	JB	UB		U		1.4	JB	UB		U	
Silver	NA	0.0025	10	NS				U		0.014	J	UB		U		0.0034	J	UB		U	
Sodium	NA	4.5	500	NS			23,000			24,000			17,000			21,000			21,000		
Thallium	2	0.0065	2	NS			0.28	JB	UB	2.6	B	UB	0.16	JB	UB	3.0	B	UB	0.16	JB	UB
Vanadium	NA	1.1	8	NS				U			U			U			U			U	
Zinc	NA	3.8	20	NS			7.3	J		6.2	J		21			14	J		13	J	

Notes:
All results in micrograms per liter (ug/l)
A blank cell indicates parameter not detected
MCL = Maximum Contaminant Level
NA = MCL does not exist for this analyte
NS = Not sampled
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
LQ = Data qualifier added by laboratory
DV = Data qualifier added by validation
NS = Not sampled
RESDUP01 - Duplicate sample

LQ Flags
U = Compound was not detected above the PQL
J = Indicates an estimated value
B = Compound was detected in sample and in associated blank above the MDL and below the PQL/RL

DV Flags
B = Compound was detected in sample and in associated blank
J = Indicates an estimated value
UB = Compound is not detected at or above indicated concentration due to blank contamination
UJ = Compound not detected, and detection limit is an estimated value



LEGEND

- BARRIER WALL
- PERIMETER GROUND WATER CONTAINMENT SYSTEM
- MWI3 — UPPER AQUIFER WELL LOCATION AND DESIGNATION
- P25 — PIEZOMETER LOCATION AND DESIGNATION
- SG5R — STAFF GAUGE LOCATION AND DESIGNATION
- (634.34) — GROUNDWATER ELEVATION
- 631 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE APPROXIMATE)
- (DRY) — WELL WAS DRY
- * — ELEVATION NOT USED IN CONTOURING
- (NM) — GROUNDWATER ELEVATION WAS NOT MEASURED

NOTES:

1. P93 AND P94 WERE INSTALLED IN NOVEMBER 2004.
2. GROUNDWATER ELEVATIONS WERE MEASURED ON SEPTEMBER 28, 2007.
3. ALL ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL.

N

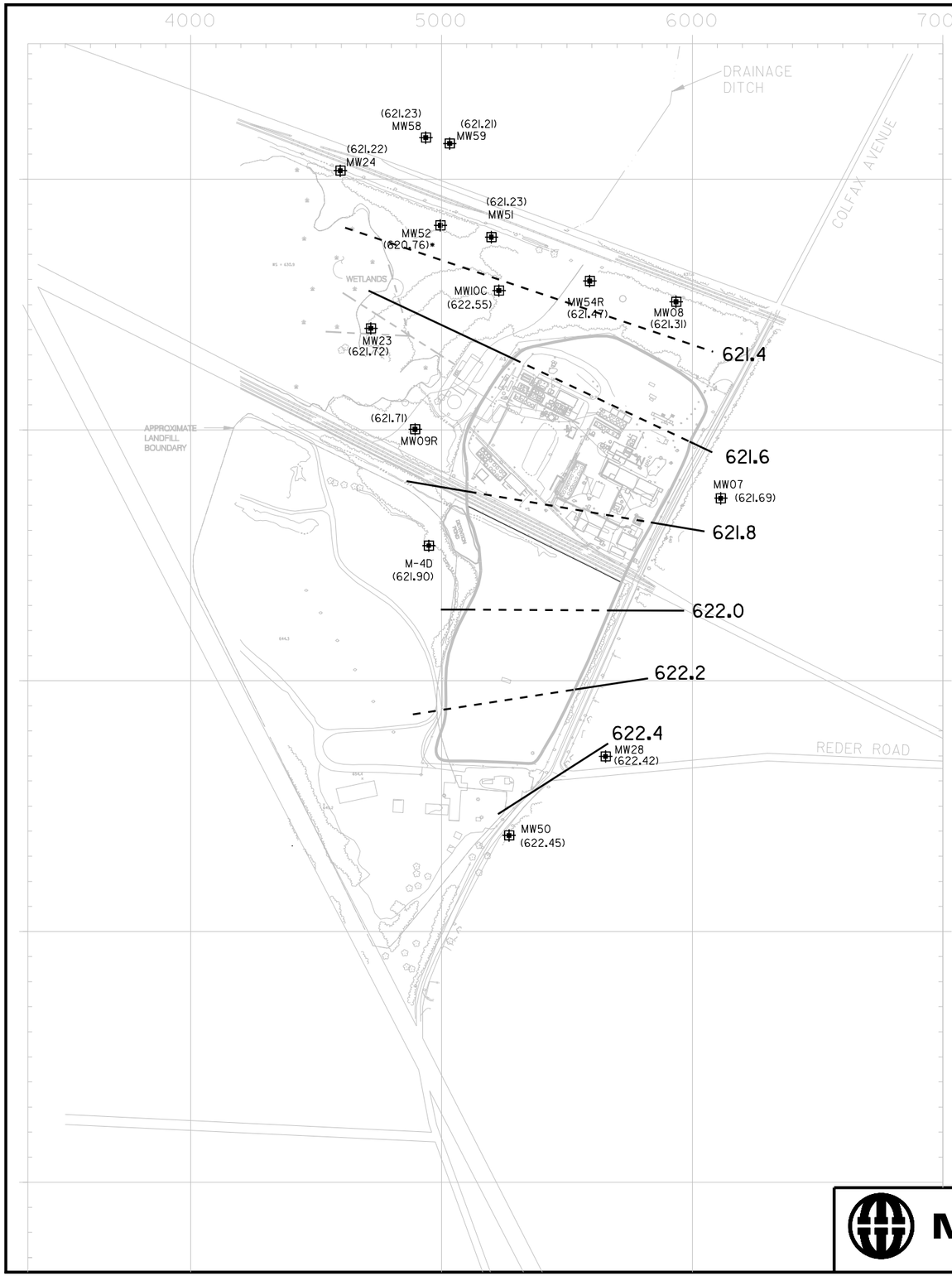
0 500 1000

SCALE IN FEET

MWH	SCALE: AS SHOWN	AMERICAN CHEMICAL SERVICE, INC. NPL SITE GRIFFITH, INDIANA	UPPER AQUIFER WATER TABLE CONTOUR MAP SEPTEMBER 2007

FIGURE 1

JOB No. MW Job No. FILE: \\uschi4s02\warrenville\Jobs\405\0577 ACS\Master Drawings folder\030I\October 2007 GW report\Oct07_Fig1.dgn Plot Date: 15-JAN-2008 16:00 DPP/JEF



LEGEND

▬	BARRIER WALL
MW52 ⊕	LOWER AQUIFER WELL LOCATION AND DESIGNATION
(621.69)	GROUNDWATER ELEVATION
— 622.0	GROUNDWATER ELEVATION CONTOUR (DASHED WHERE APPROXIMATE)
*	ELEVATION NOT USED IN CONTOURING

NOTES:

1. GROUNDWATER ELEVATIONS WERE MEASURED ON SEPTEMBER 28, 2007.
2. ALL ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL.

N

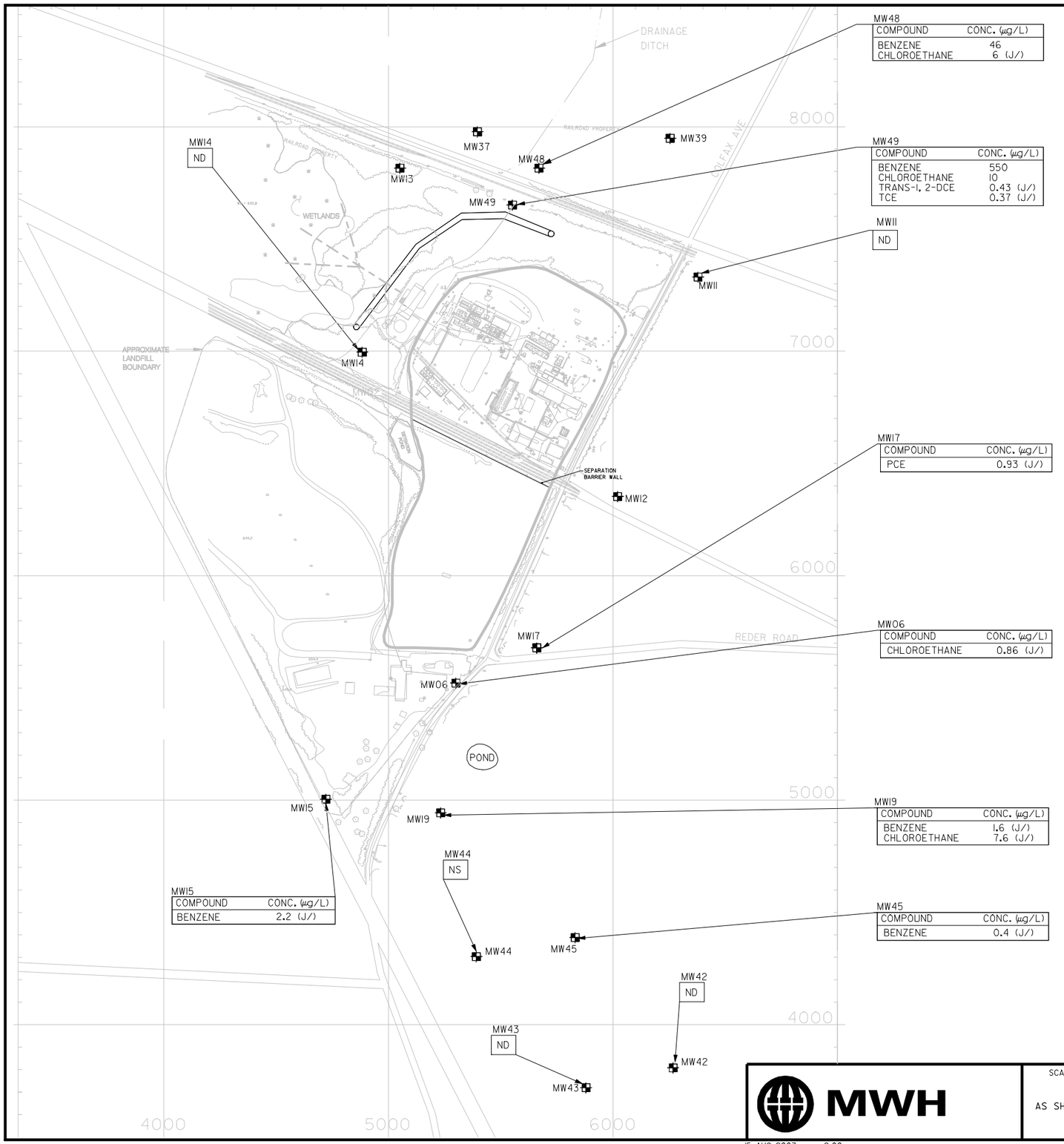
0 500 1000

SCALE IN FEET

MWH

SCALE		FIGURE
AS SHOWN	AMERICAN CHEMICAL SERVICE, INC. NPL SITE GRIFFITH, INDIANA	LOWER AQUIFER POTENTIOMETRIC SURFACE CONTOUR MAP SEPTEMBER 2007	2

JOB No. MW Job No. FILE: \\uschl4s02\warrenville\jobs\405\0577 ACS\Master Drawings folder\030I\October 2007 GW report\Oct07_Fig2.dgn Plot Date: 30-JAN-2008 14:24 DPP/JEF



LEGEND

MW11	UPPER AQUIFER WELL LOCATION AND DESIGNATION
	BARRIER WALL
	PERIMETER GROUND WATER CONTAINMENT SYSTEM
µg/L	MICROGRAMS PER LITER
(J)	INDICATES AN ESTIMATED VALUE (LAB/VALIDATED)
ND	NO COMPOUNDS DETECTED
NS	NOT SAMPLED
PCE	TETRACHLOROETHENE
TRANS-1, 2-DCE	TRANS-1, 2-DICHLOROETHENE
TCE	TRICHLOROETHENE

N

0 500 1000

SCALE IN FEET

MWH

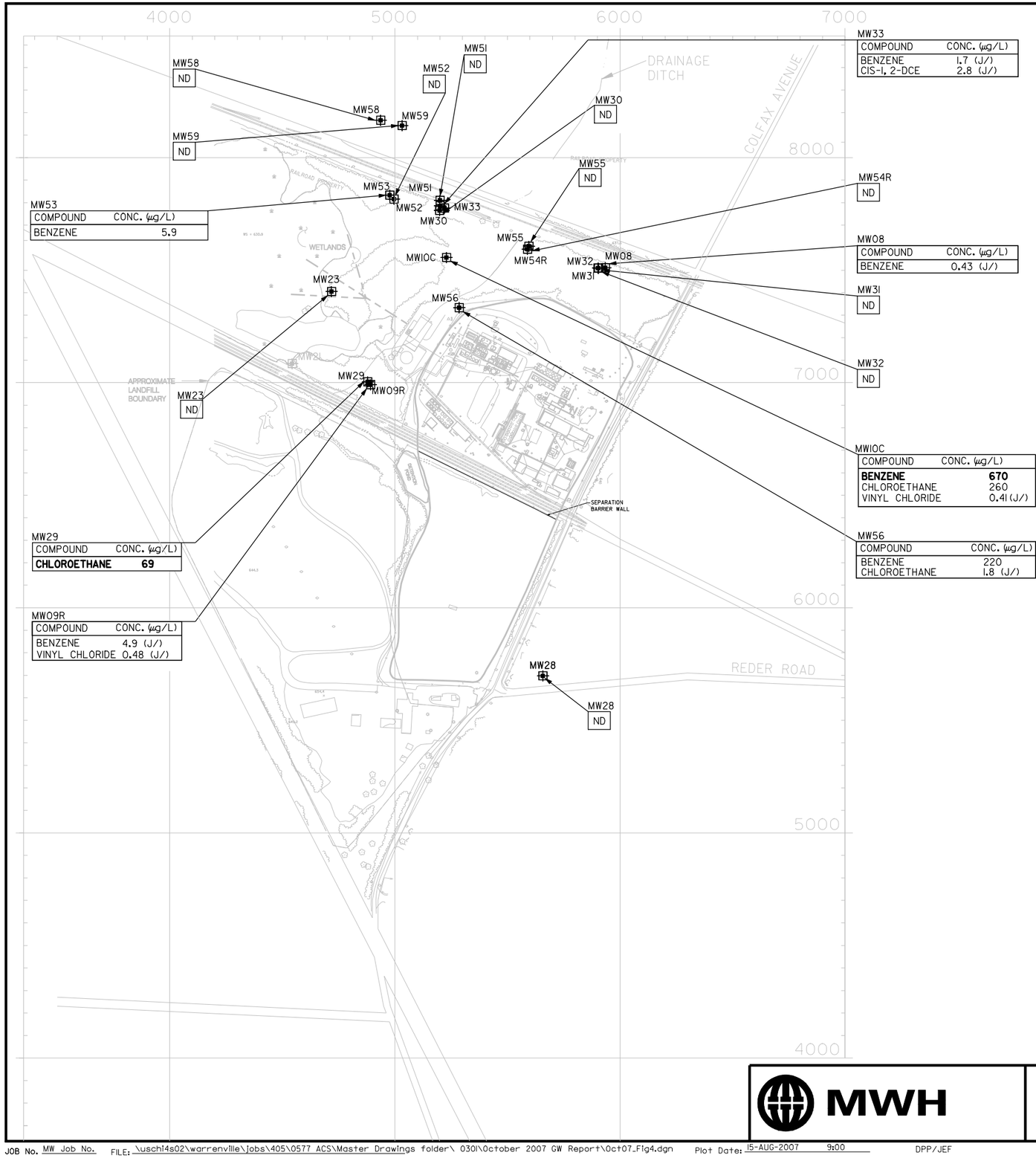
SCALE: AS SHOWN

AMERICAN CHEMICAL SERVICE, INC.
NPL SITE
GRIFFITH, INDIANA

DETECTED COMPOUNDS
IN UPPER AQUIFER MONITORING WELLS
OCTOBER 2007

FIGURE 3

JOB No. MW Job No. FILE: \uschi4s02\warrenville\jobs\405\0577 ACS\Master Drawings folder\ 030I\October 2007 GW Report\Oct07_Fig3.dgn Plot Date: 15-AUG-2007 9:00 DPP/JEF



LEGEND

	BARRIER WALL
MW53	LOWER AQUIFER WELL LOCATION AND DESIGNATION
µg/L	MICROGRAMS PER LITER
(J)	INDICATES AN ESTIMATED VALUE (LAB/VALIDATED)
ND	NO COMPOUNDS DETECTED
CIS-1,2-DCE	CIS-1,2-DICHLOROETHENE

NOTE: CONCENTRATIONS IN BOLD EXCEEDED BASELINE VALUES

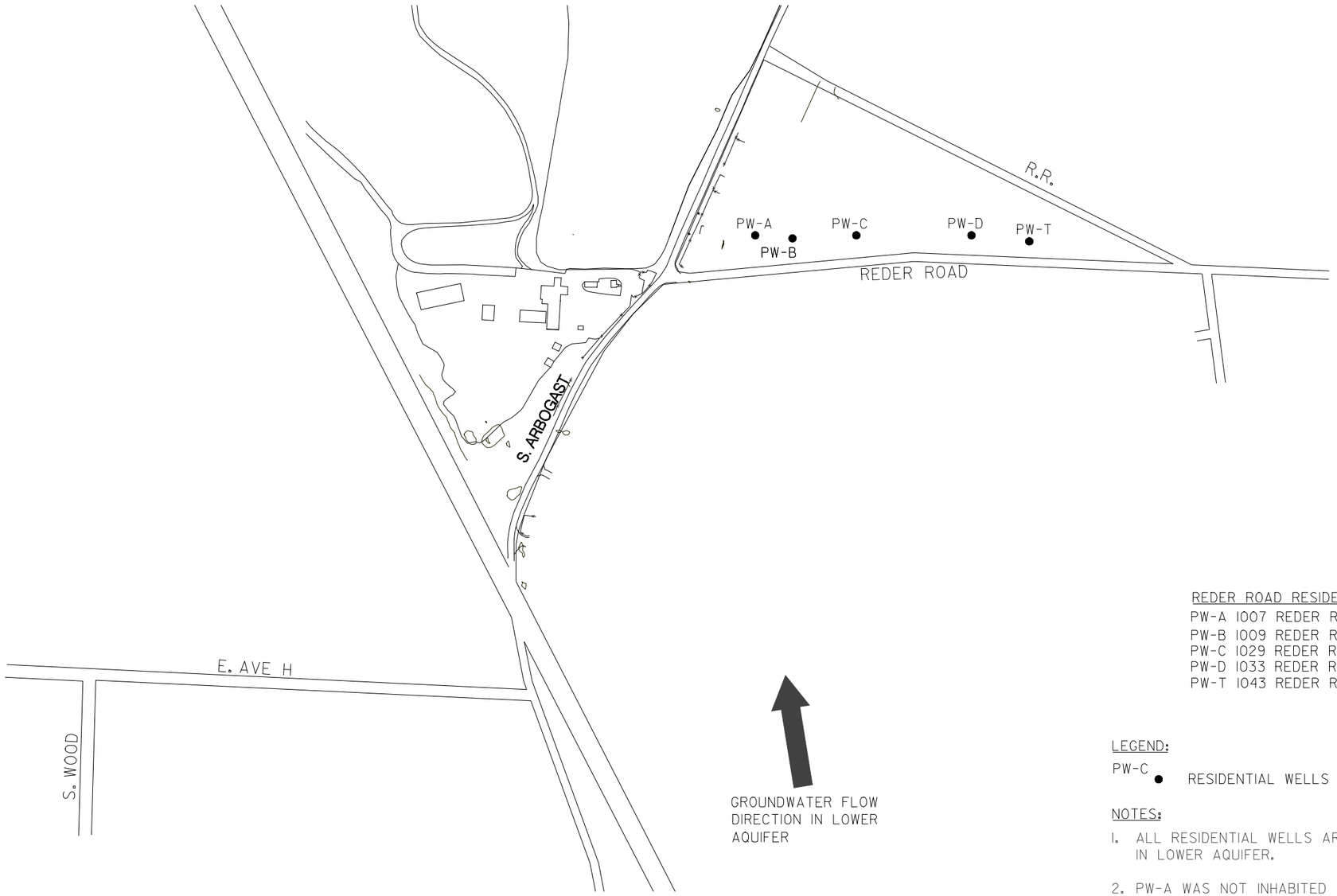
N

0 500 1000

SCALE IN FEET

MWH	SCALE: AS SHOWN	AMERICAN CHEMICAL SERVICE, INC. NPL SITE GRIFFITH, INDIANA	DETECTED COMPOUNDS IN LOWER AQUIFER MONITORING WELLS OCTOBER 2007	FIGURE: 4

JOB No. MW Job No. FILE: \usch14s02\warrenville\jobs\405\0577 ACS\Master Drawings folder\ 030I\October 2007 GW Report\Oct07_Fig4.dgn Plot Date: 15-AUG-2007 9:00 DPP/JEF



REDER ROAD RESIDENTIAL WELLS

PW-A 1007 REDER ROAD
PW-B 1009 REDER ROAD
PW-C 1029 REDER ROAD
PW-D 1033 REDER ROAD
PW-T 1043 REDER ROAD

LEGEND:

PW-C ● RESIDENTIAL WELLS

NOTES:

1. ALL RESIDENTIAL WELLS ARE SCREENED IN LOWER AQUIFER.
2. PW-A WAS NOT INHABITED AT TIME OF SAMPLING. THEREFORE, NO SAMPLE WAS COLLECTED AT THIS LOCATION.

N

0 500 1000

SCALE IN FEET

SCALE			FIGURE
AS SHOWN	MWH	AMERICAN CHEMICAL SERVICES, INC. NPL SITE GRIFFITH, INDIANA	RESIDENTIAL WELL LOCATIONS SAMPLED DURING 2007	5

JOB No. MW Job No. FILE: \\uschi14s02\warrenville\Jobs\405\0577 ACS\Master Drawings folder\030\October 2007 GW report\Oct07_Fig5.dgn Plot Date: 15-JAN-2008 16:01 DPP/JEF

Appendix A

Comparison of October 2007 Results to Maximum Baseline Concentrations

Monitoring Wells

VOC Results

Residential Wells

VOC Results
SVOC Results
Pesticide and PCB Results
Inorganic Results
Cyanide Results

Monitoring Well Volatile Organic Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Service NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
MW-06	1,1-Dichloroethane	UG/L	21		U		5
MW-06	1,1-Dichloroethene	UG/L	50		U		5
MW-06	1,2-Dichloroethane	UG/L	50		U		5
MW-06	Benzene	UG/L	320		U		5
MW-06	Chloroethane	UG/L	720	0.86	J		10
MW-06	cis-1,2-Dichloroethene	UG/L			U		5
MW-06	Tetrachloroethene	UG/L	50		U		5
MW-06	trans-1,2-Dichloroethene	UG/L			U		5
MW-06	Trichloroethene	UG/L	50		U		5
MW-06	Vinyl chloride	UG/L	50		U		10
MW-08	1,1-Dichloroethane	UG/L	10		U		5
MW-08	1,1-Dichloroethene	UG/L	10		U		5
MW-08	1,2-Dichloroethane	UG/L	10		U		5
MW-08	Benzene	UG/L	10	0.43	J		5
MW-08	Chloroethane	UG/L	10		U		10
MW-08	cis-1,2-Dichloroethene	UG/L			U		5
MW-08	Tetrachloroethene	UG/L	10		U		5
MW-08	trans-1,2-Dichloroethene	UG/L			U		5
MW-08	Trichloroethene	UG/L	10		U		5
MW-08	Vinyl chloride	UG/L	10		U		10
MW-09R	1,1-Dichloroethane	UG/L	200		U		5
MW-09R	1,1-Dichloroethene	UG/L	200		U		5
MW-09R	1,2-Dichloroethane	UG/L	200		U		5
MW-09R	Benzene	UG/L	310	4.9	J		5
MW-09R	Chloroethane	UG/L	2,900		U		10
MW-09R	cis-1,2-Dichloroethene	UG/L			U		5
MW-09R	Tetrachloroethene	UG/L	200		U		5
MW-09R	trans-1,2-Dichloroethene	UG/L			U		5
MW-09R	Trichloroethene	UG/L	200		U		5
MW-09R	Vinyl chloride	UG/L	200	0.48	J		10
MW-10C	1,1-Dichloroethane	UG/L	150		U		5
MW-10C	1,1-Dichloroethene	UG/L	150		U		5
MW-10C	1,2-Dichloroethane	UG/L	150		U		5
MW-10C	Benzene	UG/L	150	**670**			100
MW-10C	Chloroethane	UG/L	420	260			200
MW-10C	cis-1,2-Dichloroethene	UG/L			U		5
MW-10C	Tetrachloroethene	UG/L	150		U		5
MW-10C	trans-1,2-Dichloroethene	UG/L			U		5
MW-10C	Trichloroethene	UG/L	150		U		5
MW-10C	Vinyl chloride	UG/L	129	0.41	J		10
MW-11	1,1-Dichloroethane	UG/L	10		U		5
MW-11	1,1-Dichloroethene	UG/L	10		U		5
MW-11	1,2-Dichloroethane	UG/L	10		U		5
MW-11	Benzene	UG/L	10		U		5
MW-11	Chloroethane	UG/L	10		U		10
MW-11	cis-1,2-Dichloroethene	UG/L			U		5

BOLD = Exceedance of Highest Baseline Detection

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifiers (DQ), please see Appendix C.

DPP/JEF
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4050577

Monitoring Well Volatile Organic Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Service NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
MW-11	Tetrachloroethene	UG/L	10		U		5
MW-11	trans-1,2-Dichloroethene	UG/L			U		5
MW-11	Trichloroethene	UG/L	10		U		5
MW-11	Vinyl chloride	UG/L	10		U		10
MW-14	1,1-Dichloroethane	UG/L	100		U		5
MW-14	1,1-Dichloroethene	UG/L	100		U		5
MW-14	1,2-Dichloroethane	UG/L	100		U		5
MW-14	Benzene	UG/L	41		U		5
MW-14	Chloroethane	UG/L	1,000		U		10
MW-14	cis-1,2-Dichloroethene	UG/L			U		5
MW-14	Tetrachloroethene	UG/L	100		U		5
MW-14	trans-1,2-Dichloroethene	UG/L			U		5
MW-14	Trichloroethene	UG/L	100		U		5
MW-14	Vinyl chloride	UG/L	100		U		10
MW-15	1,1-Dichloroethane	UG/L	10		U		5
MW-15	1,1-Dichloroethene	UG/L	10		U		5
MW-15	1,2-Dichloroethane	UG/L	10		U		5
MW-15	Benzene	UG/L	10	2.2	J		5
MW-15	Chloroethane	UG/L	10		U		10
MW-15	cis-1,2-Dichloroethene	UG/L			U		5
MW-15	Tetrachloroethene	UG/L	10		U		5
MW-15	trans-1,2-Dichloroethene	UG/L			U		5
MW-15	Trichloroethene	UG/L	10		U		5
MW-15	Vinyl chloride	UG/L	10		U		10
MW-17	1,1-Dichloroethane	UG/L			U		5
MW-17	1,1-Dichloroethene	UG/L			U		5
MW-17	1,2-Dichloroethane	UG/L			U		5
MW-17	Benzene	UG/L			U		5
MW-17	Chloroethane	UG/L			U		10
MW-17	cis-1,2-Dichloroethene	UG/L			U		5
MW-17	Tetrachloroethene	UG/L		0.93	J		5
MW-17	trans-1,2-Dichloroethene	UG/L			U		5
MW-17	Trichloroethene	UG/L			U		5
MW-17	Vinyl chloride	UG/L			U		10
MW-19	1,1-Dichloroethane	UG/L	10		U		5
MW-19	1,1-Dichloroethene	UG/L	10		U		5
MW-19	1,2-Dichloroethane	UG/L	10		U		5
MW-19	Benzene	UG/L	10	1.6	J		5
MW-19	Chloroethane	UG/L	20	7.6	J		10
MW-19	cis-1,2-Dichloroethene	UG/L			U		5
MW-19	Tetrachloroethene	UG/L	10		U		5
MW-19	trans-1,2-Dichloroethene	UG/L			U		5
MW-19	Trichloroethene	UG/L	10		U		5
MW-19	Vinyl chloride	UG/L	10		U		10
MW-23	1,1-Dichloroethane	UG/L	10		U		5
MW-23	1,1-Dichloroethene	UG/L	10		U		5

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4050577

Monitoring Well Volatile Organic Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Service NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
MW-23	1,2-Dichloroethane	UG/L	10		U		5
MW-23	Benzene	UG/L	10		U		5
MW-23	Chloroethane	UG/L	10		U		10
MW-23	cis-1,2-Dichloroethene	UG/L			U		5
MW-23	Tetrachloroethene	UG/L	10		U		5
MW-23	trans-1,2-Dichloroethene	UG/L			U		5
MW-23	Trichloroethene	UG/L	10		U		5
MW-23	Vinyl chloride	UG/L	10		U		10
MW-28	1,1-Dichloroethane	UG/L	10		U		5
MW-28	1,1-Dichloroethene	UG/L	10		U		5
MW-28	1,2-Dichloroethane	UG/L	10		U		5
MW-28	Benzene	UG/L	10		U		5
MW-28	Chloroethane	UG/L	10		U		10
MW-28	cis-1,2-Dichloroethene	UG/L			U		5
MW-28	Tetrachloroethene	UG/L	10		U		5
MW-28	trans-1,2-Dichloroethene	UG/L			U		5
MW-28	Trichloroethene	UG/L	10		U		5
MW-28	Vinyl chloride	UG/L	10		U		10
MW-29	1,1-Dichloroethane	UG/L	10		U		5
MW-29	1,1-Dichloroethene	UG/L	10		U		5
MW-29	1,2-Dichloroethane	UG/L	10		U		5
MW-29	Benzene	UG/L	10		U		5
MW-29	Chloroethane	UG/L	10	**69**			50
MW-29	cis-1,2-Dichloroethene	UG/L			U		5
MW-29	Tetrachloroethene	UG/L	10		U		5
MW-29	trans-1,2-Dichloroethene	UG/L			U		5
MW-29	Trichloroethene	UG/L	10		U		5
MW-29	Vinyl chloride	UG/L	10		U		10
MW-30	1,1-Dichloroethane	UG/L	10		U		5
MW-30	1,1-Dichloroethene	UG/L	10		U		5
MW-30	1,2-Dichloroethane	UG/L	10		U		5
MW-30	Benzene	UG/L	10		U		5
MW-30	Chloroethane	UG/L	10		U		10
MW-30	cis-1,2-Dichloroethene	UG/L			U		5
MW-30	Tetrachloroethene	UG/L	10		U		5
MW-30	trans-1,2-Dichloroethene	UG/L			U		5
MW-30	Trichloroethene	UG/L	10		U		5
MW-30	Vinyl chloride	UG/L	10		U		10
MW-31	1,1-Dichloroethane	UG/L	10		U		5
MW-31	1,1-Dichloroethene	UG/L	10		U		5
MW-31	1,2-Dichloroethane	UG/L	10		U		5
MW-31	Benzene	UG/L	10		U		5
MW-31	Chloroethane	UG/L	10		U		10
MW-31	cis-1,2-Dichloroethene	UG/L			U		5
MW-31	Tetrachloroethene	UG/L	10		U		5
MW-31	trans-1,2-Dichloroethene	UG/L			U		5

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4050577

Monitoring Well Volatile Organic Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Service NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
MW-31	Trichloroethene	UG/L	10		U		5
MW-31	Vinyl chloride	UG/L	10		U		10
MW-32	1,1-Dichloroethane	UG/L	10		U		5
MW-32	1,1-Dichloroethene	UG/L	10		U		5
MW-32	1,2-Dichloroethane	UG/L	10		U		5
MW-32	Benzene	UG/L	10		U		5
MW-32	Chloroethane	UG/L	10		U		10
MW-32	cis-1,2-Dichloroethene	UG/L			U		5
MW-32	Tetrachloroethene	UG/L	10		U		5
MW-32	trans-1,2-Dichloroethene	UG/L			U		5
MW-32	Trichloroethene	UG/L	10		U		5
MW-32	Vinyl chloride	UG/L	10		U		10
MW-33	1,1-Dichloroethane	UG/L	10		U		5
MW-33	1,1-Dichloroethene	UG/L	10		U		5
MW-33	1,2-Dichloroethane	UG/L	10		U		5
MW-33	Benzene	UG/L	10	1.7	J		5
MW-33	Chloroethane	UG/L	10		U		10
MW-33	cis-1,2-Dichloroethene	UG/L		2.8	J		5
MW-33	Tetrachloroethene	UG/L	10		U		5
MW-33	trans-1,2-Dichloroethene	UG/L			U		5
MW-33	Trichloroethene	UG/L	10		U		5
MW-33	Vinyl chloride	UG/L	10		U		10
MW-42	1,1-Dichloroethane	UG/L	10		U		5
MW-42	1,1-Dichloroethene	UG/L	10		U		5
MW-42	1,2-Dichloroethane	UG/L	10		U		5
MW-42	Benzene	UG/L	10		U		5
MW-42	Chloroethane	UG/L	10		U		10
MW-42	cis-1,2-Dichloroethene	UG/L			U		5
MW-42	Tetrachloroethene	UG/L	10		U		5
MW-42	trans-1,2-Dichloroethene	UG/L			U		5
MW-42	Trichloroethene	UG/L	10		U		5
MW-42	Vinyl chloride	UG/L	10		U		10
MW-43	1,1-Dichloroethane	UG/L	10		U		5
MW-43	1,1-Dichloroethene	UG/L	10		U		5
MW-43	1,2-Dichloroethane	UG/L	10		U		5
MW-43	Benzene	UG/L	10		U		5
MW-43	Chloroethane	UG/L	10		U		10
MW-43	cis-1,2-Dichloroethene	UG/L			U		5
MW-43	Tetrachloroethene	UG/L	10		U		5
MW-43	trans-1,2-Dichloroethene	UG/L			U		5
MW-43	Trichloroethene	UG/L	10		U		5
MW-43	Vinyl chloride	UG/L	10		U		10
MW-45	1,1-Dichloroethane	UG/L	80		U		5
MW-45	1,1-Dichloroethene	UG/L	80		U		5
MW-45	1,2-Dichloroethane	UG/L	80		U		5
MW-45	Benzene	UG/L	1,045	0.4	J		5

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4050577

Monitoring Well Volatile Organic Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Service NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
MW-45	Chloroethane	UG/L	215		U		10
MW-45	cis-1,2-Dichloroethene	UG/L			U		5
MW-45	Tetrachloroethene	UG/L	80		U		5
MW-45	trans-1,2-Dichloroethene	UG/L			U		5
MW-45	Trichloroethene	UG/L	80		U		5
MW-45	Vinyl chloride	UG/L	80		U	UJ	10
MW-48	1,1-Dichloroethane	UG/L	500		U		5
MW-48	1,1-Dichloroethene	UG/L	500		U		5
MW-48	1,2-Dichloroethane	UG/L	500		U		5
MW-48	Benzene	UG/L	9,500	46			25
MW-48	Chloroethane	UG/L	1,000	6	J		10
MW-48	cis-1,2-Dichloroethene	UG/L			U		5
MW-48	Tetrachloroethene	UG/L	500		U		5
MW-48	trans-1,2-Dichloroethene	UG/L			U		5
MW-48	Trichloroethene	UG/L	500		U		5
MW-48	Vinyl chloride	UG/L	500		U		10
MW-49	1,1-Dichloroethane	UG/L	500		U		5
MW-49	1,1-Dichloroethene	UG/L	500		U		5
MW-49	1,2-Dichloroethane	UG/L	500		U		5
MW-49	Benzene	UG/L	6,750	550			250
MW-49	Chloroethane	UG/L	715	10			10
MW-49	cis-1,2-Dichloroethene	UG/L			U		5
MW-49	Tetrachloroethene	UG/L	500		U		5
MW-49	trans-1,2-Dichloroethene	UG/L		0.43	J		5
MW-49	Trichloroethene	UG/L	500	0.37	J		5
MW-49	Vinyl chloride	UG/L	500		U		10
MW-51	1,1-Dichloroethane	UG/L	100		U		5
MW-51	1,1-Dichloroethene	UG/L	100		U		5
MW-51	1,2-Dichloroethane	UG/L	100		U		5
MW-51	Benzene	UG/L	100		U		5
MW-51	Chloroethane	UG/L	100		U		10
MW-51	cis-1,2-Dichloroethene	UG/L			U		5
MW-51	Tetrachloroethene	UG/L	100		U		5
MW-51	trans-1,2-Dichloroethene	UG/L			U		5
MW-51	Trichloroethene	UG/L	100		U		5
MW-51	Vinyl chloride	UG/L	100		U		10
MW-52	1,1-Dichloroethane	UG/L	100		U		5
MW-52	1,1-Dichloroethene	UG/L	100		U		5
MW-52	1,2-Dichloroethane	UG/L	100		U		5
MW-52	Benzene	UG/L	100		U		5
MW-52	Chloroethane	UG/L	100		U		10
MW-52	cis-1,2-Dichloroethene	UG/L			U		5
MW-52	Tetrachloroethene	UG/L	100		U		5
MW-52	trans-1,2-Dichloroethene	UG/L			U		5
MW-52	Trichloroethene	UG/L	100		U		5
MW-52	Vinyl chloride	UG/L	100		U		10

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4050577

Monitoring Well Volatile Organic Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Service NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
MW-53	1,1-Dichloroethane	UG/L	10		U		5
MW-53	1,1-Dichloroethene	UG/L	10		U		5
MW-53	1,2-Dichloroethane	UG/L	10		U		5
MW-53	Benzene	UG/L	10	5.9			5
MW-53	Chloroethane	UG/L	10		U		10
MW-53	cis-1,2-Dichloroethene	UG/L			U		5
MW-53	Tetrachloroethene	UG/L	10		U		5
MW-53	trans-1,2-Dichloroethene	UG/L			U		5
MW-53	Trichloroethene	UG/L	10		U		5
MW-53	Vinyl chloride	UG/L	10		U		10
MW-54R	1,1-Dichloroethane	UG/L	10		U		5
MW-54R	1,1-Dichloroethene	UG/L	10		U		5
MW-54R	1,2-Dichloroethane	UG/L	10		U		5
MW-54R	Benzene	UG/L	10		U		5
MW-54R	Chloroethane	UG/L	10		U		10
MW-54R	cis-1,2-Dichloroethene	UG/L			U		5
MW-54R	Tetrachloroethene	UG/L	10		U		5
MW-54R	trans-1,2-Dichloroethene	UG/L			U		5
MW-54R	Trichloroethene	UG/L	10		U		5
MW-54R	Vinyl chloride	UG/L	10		U		10
MW-55	1,1-Dichloroethane	UG/L	10		U		5
MW-55	1,1-Dichloroethene	UG/L	10		U		5
MW-55	1,2-Dichloroethane	UG/L	10		U		5
MW-55	Benzene	UG/L	10		U		5
MW-55	Chloroethane	UG/L	10		U		10
MW-55	cis-1,2-Dichloroethene	UG/L			U		5
MW-55	Tetrachloroethene	UG/L	10		U		5
MW-55	trans-1,2-Dichloroethene	UG/L			U		5
MW-55	Trichloroethene	UG/L	10		U		5
MW-55	Vinyl chloride	UG/L	10		U		10
MW-56	1,1-Dichloroethane	UG/L			U		5
MW-56	1,1-Dichloroethene	UG/L			U		5
MW-56	1,2-Dichloroethane	UG/L			U		5
MW-56	Benzene	UG/L		220			50
MW-56	Chloroethane	UG/L		1.8	J		10
MW-56	cis-1,2-Dichloroethene	UG/L			U		5
MW-56	Tetrachloroethene	UG/L			U		5
MW-56	trans-1,2-Dichloroethene	UG/L			U		5
MW-56	Trichloroethene	UG/L			U		5
MW-56	Vinyl chloride	UG/L			U		10
MW-58	1,1-Dichloroethane	UG/L			U		5
MW-58	1,1-Dichloroethene	UG/L			U		5
MW-58	1,2-Dichloroethane	UG/L			U		5
MW-58	Benzene	UG/L			U		5
MW-58	Chloroethane	UG/L			U		10
MW-58	cis-1,2-Dichloroethene	UG/L			U		5

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4050577

Monitoring Well Volatile Organic Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Service NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
MW-58	Tetrachloroethene	UG/L			U		5
MW-58	trans-1,2-Dichloroethene	UG/L			U		5
MW-58	Trichloroethene	UG/L			U		5
MW-58	Vinyl chloride	UG/L			U		10
MW-59	1,1-Dichloroethane	UG/L			U		5
MW-59	1,1-Dichloroethene	UG/L			U		5
MW-59	1,2-Dichloroethane	UG/L			U		5
MW-59	Benzene	UG/L			U		5
MW-59	Chloroethane	UG/L			U		10
MW-59	cis-1,2-Dichloroethene	UG/L			U		5
MW-59	Tetrachloroethene	UG/L			U		5
MW-59	trans-1,2-Dichloroethene	UG/L			U		5
MW-59	Trichloroethene	UG/L			U		5
MW-59	Vinyl chloride	UG/L			U		10

BOLD = Exceedance of Highest Baseline Detection

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifiers (DQ), please see Appendix C.

DPP/JEF
J:\405\0577 ACS\0301 GW Mon\GW Monitoring Database\Current Database (Sept 2005)\ACS GW Database_2000.mdb[rptNewResults10VOCs]
4050577

Residential Well Volatile Organic Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-B	1,1,1-Trichloroethane	UG/L	1.0		U		1
PW-B	1,1,2,2-Tetrachloroethane	UG/L	1.0		U		1
PW-B	1,1,2-Trichloroethane	UG/L	1.0		U		1
PW-B	1,1-Dichloroethane	UG/L	1.0		U		1
PW-B	1,1-Dichloroethene	UG/L	1.0		U		1
PW-B	1,2,4-Trichlorobenzene	UG/L	NA		U	UJ	1
PW-B	1,2-Dichlorobenzene	UG/L	NA		U		1
PW-B	1,2-Dichloroethane	UG/L	1.0		U		1
PW-B	1,2-Dichloropropane	UG/L	1.0		U		1
PW-B	1,3-Dichlorobenzene	UG/L	NA		U		1
PW-B	1,4-Dichlorobenzene	UG/L	NA		U		1
PW-B	2-Butanone	UG/L	5.0		U	UJ	2
PW-B	2-Hexanone	UG/L	5.0		U		2
PW-B	4-Methyl-2-pentanone	UG/L	5.0		U		1
PW-B	Acetone	UG/L	5.0		U	UJ	5
PW-B	Benzene	UG/L	1.0		U		1
PW-B	Bromodichloromethane	UG/L	1.0		U		1
PW-B	Bromoform	UG/L	1.0		U		1
PW-B	Bromomethane	UG/L	1.0		U		2
PW-B	Carbon disulfide	UG/L	1.0		U		2
PW-B	Carbon Tetrachloride	UG/L	1.0		U		1
PW-B	Chlorobenzene	UG/L	1.0		U		1
PW-B	Chloroethane	UG/L	1.0		U		2
PW-B	Chloroform	UG/L	1.0		U		1
PW-B	Chloromethane	UG/L	1.0		U		2
PW-B	cis-1,2-Dichloroethene	UG/L	NA		U		1
PW-B	cis-1,3-Dichloropropene	UG/L	1.0		U		1
PW-B	Dibromochloromethane	UG/L	1.0		U		1
PW-B	Ethyl Benzene	UG/L	1.0		U		1
PW-B	Methylene chloride	UG/L	1.0		U		2
PW-B	Styrene	UG/L	1.0		U		1
PW-B	Tetrachloroethene	UG/L	1.0		U		1
PW-B	Toluene	UG/L	1.0		U		1
PW-B	trans-1,2-Dichloroethene	UG/L	NA		U		1
PW-B	trans-1,3-Dichloropropene	UG/L	1.0		U		1
PW-B	Trichloroethene	UG/L	1.0		U		1
PW-B	Vinyl chloride	UG/L	1.0		U		2
PW-B	Xylenes (total)	UG/L	5.0		U		1
PW-C	1,1,1-Trichloroethane	UG/L	1.0		U		1
PW-C	1,1,2,2-Tetrachloroethane	UG/L	1.0		U		1
PW-C	1,1,2-Trichloroethane	UG/L	1.0		U		1
PW-C	1,1-Dichloroethane	UG/L	1.0		U		1
PW-C	1,1-Dichloroethene	UG/L	1.0		U		1
PW-C	1,2,4-Trichlorobenzene	UG/L	NA		U	UJ	1
PW-C	1,2-Dichlorobenzene	UG/L	NA		U		1
PW-C	1,2-Dichloroethane	UG/L	1.0		U		1

BOLD = Exceedance of Highest Baseline Detection

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifier (DQ), please see Appendix C.

DPP/JEF
J:\405\0577 ACS\0301 GW Mon\GW Monitoring Database\Current Database (Sept 2005)ACS GW Database_2000.mdb[rptPWNewResultsVOC]
4050577

Residential Well Volatile Organic Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-C	1,2-Dichloropropane	UG/L	1.0		U		1
PW-C	1,3-Dichlorobenzene	UG/L	NA		U		1
PW-C	1,4-Dichlorobenzene	UG/L	NA		U		1
PW-C	2-Butanone	UG/L	5.0		U	UJ	2
PW-C	2-Hexanone	UG/L	5.0		U		2
PW-C	4-Methyl-2-pentanone	UG/L	5.0		U		1
PW-C	Acetone	UG/L	5.0		U	UJ	5
PW-C	Benzene	UG/L	1.0		U		1
PW-C	Bromodichloromethane	UG/L	1.0		U		1
PW-C	Bromoform	UG/L	1.0		U		1
PW-C	Bromomethane	UG/L	1.0		U		2
PW-C	Carbon disulfide	UG/L	1.0		U		2
PW-C	Carbon Tetrachloride	UG/L	1.0		U		1
PW-C	Chlorobenzene	UG/L	1.0		U		1
PW-C	Chloroethane	UG/L	1.0		U		2
PW-C	Chloroform	UG/L	1.0		U		1
PW-C	Chloromethane	UG/L	1.0		U		2
PW-C	cis-1,2-Dichloroethene	UG/L	NA		U		1
PW-C	cis-1,3-Dichloropropene	UG/L	1.0		U		1
PW-C	Dibromochloromethane	UG/L	1.0		U		1
PW-C	Ethyl Benzene	UG/L	1.0		U		1
PW-C	Methylene chloride	UG/L	1.0		U		2
PW-C	Styrene	UG/L	1.0		U		1
PW-C	Tetrachloroethene	UG/L	1.0		U		1
PW-C	Toluene	UG/L	1.0		U		1
PW-C	trans-1,2-Dichloroethene	UG/L	NA		U		1
PW-C	trans-1,3-Dichloropropene	UG/L	1.0		U		1
PW-C	Trichloroethene	UG/L	1.0		U		1
PW-C	Vinyl chloride	UG/L	1.0		U		2
PW-C	Xylenes (total)	UG/L	5.0		U		1
PW-D	1,1,1-Trichloroethane	UG/L	1.0		U		1
PW-D	1,1,2,2-Tetrachloroethane	UG/L	1.0		U		1
PW-D	1,1,2-Trichloroethane	UG/L	1.0		U		1
PW-D	1,1-Dichloroethane	UG/L	1.0		U		1
PW-D	1,1-Dichloroethene	UG/L	1.0		U		1
PW-D	1,2,4-Trichlorobenzene	UG/L	NA		U	UJ	1
PW-D	1,2-Dichlorobenzene	UG/L	NA		U		1
PW-D	1,2-Dichloroethane	UG/L	1.0		U		1
PW-D	1,2-Dichloropropane	UG/L	1.0		U		1
PW-D	1,3-Dichlorobenzene	UG/L	NA		U		1
PW-D	1,4-Dichlorobenzene	UG/L	NA		U		1
PW-D	2-Butanone	UG/L	5.0		U	UJ	2
PW-D	2-Hexanone	UG/L	5.0		U		2
PW-D	4-Methyl-2-pentanone	UG/L	5.0		U		1
PW-D	Acetone	UG/L	5.0		U	UJ	5
PW-D	Benzene	UG/L	1.0		U		1

BOLD = Exceedance of Highest Baseline Detection

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifier (DQ), please see Appendix C.

DPP/JEF
J:\405\0577 ACS\0301 GW Mon\GW Monitoring Database\Current Database (Sept 2005)ACS GW Database_2000.mdb[rptPWNewResultsVOC]
4050577

Residential Well Volatile Organic Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-D	Bromodichloromethane	UG/L	1.0		U		1
PW-D	Bromoform	UG/L	1.0		U		1
PW-D	Bromomethane	UG/L	1.0		U		2
PW-D	Carbon disulfide	UG/L	1.0		U		2
PW-D	Carbon Tetrachloride	UG/L	1.0		U		1
PW-D	Chlorobenzene	UG/L	1.0		U		1
PW-D	Chloroethane	UG/L	1.0		U		2
PW-D	Chloroform	UG/L	1.0		U		1
PW-D	Chloromethane	UG/L	1.0		U		2
PW-D	cis-1,2-Dichloroethene	UG/L	NA		U		1
PW-D	cis-1,3-Dichloropropene	UG/L	1.0		U		1
PW-D	Dibromochloromethane	UG/L	1.0		U		1
PW-D	Ethyl Benzene	UG/L	1.0		U		1
PW-D	Methylene chloride	UG/L	2.0		U		2
PW-D	Styrene	UG/L	1.0		U		1
PW-D	Tetrachloroethene	UG/L	1.0		U		1
PW-D	Toluene	UG/L	1.0		U		1
PW-D	trans-1,2-Dichloroethene	UG/L	NA		U		1
PW-D	trans-1,3-Dichloropropene	UG/L	1.0		U		1
PW-D	Trichloroethene	UG/L	1.0		U		1
PW-D	Vinyl chloride	UG/L	1.0		U		2
PW-D	Xylenes (total)	UG/L	5.0		U		1
PW-T	1,1,1-Trichloroethane	UG/L	NA		U		1
PW-T	1,1,2,2-Tetrachloroethane	UG/L	NA		U		1
PW-T	1,1,2-Trichloroethane	UG/L	NA		U		1
PW-T	1,1-Dichloroethane	UG/L	NA		U		1
PW-T	1,1-Dichloroethene	UG/L	NA		U		1
PW-T	1,2,4-Trichlorobenzene	UG/L	NA		U	UJ	1
PW-T	1,2-Dichlorobenzene	UG/L	NA		U		1
PW-T	1,2-Dichloroethane	UG/L	NA		U		1
PW-T	1,2-Dichloropropane	UG/L	NA		U		1
PW-T	1,3-Dichlorobenzene	UG/L	NA		U		1
PW-T	1,4-Dichlorobenzene	UG/L	NA		U		1
PW-T	2-Butanone	UG/L	NA		U	UJ	2
PW-T	2-Hexanone	UG/L	NA		U		2
PW-T	4-Methyl-2-pentanone	UG/L	NA		U		1
PW-T	Acetone	UG/L	NA		U	UJ	5
PW-T	Benzene	UG/L	NA		U		1
PW-T	Bromodichloromethane	UG/L	NA		U		1
PW-T	Bromoform	UG/L	NA		U		1
PW-T	Bromomethane	UG/L	NA		U	UJ	2
PW-T	Carbon disulfide	UG/L	NA		U		2
PW-T	Carbon Tetrachloride	UG/L	NA		U		1
PW-T	Chlorobenzene	UG/L	NA		U		1
PW-T	Chloroethane	UG/L	NA		U		2
PW-T	Chloroform	UG/L	NA		U		1

BOLD = Exceedance of Highest Baseline Detection

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifier (DQ), please see Appendix C.

DPP/JEF
J:\405\0577 ACS\0301 GW Mon\GW Monitoring Database\Current Database (Sept 2005)ACS GW Database_2000.mdb[rptPWNewResultsVOC]
4050577

Residential Well Volatile Organic Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-T	Chloromethane	UG/L	NA		U		2
PW-T	cis-1,2-Dichloroethene	UG/L	NA		U		1
PW-T	cis-1,3-Dichloropropene	UG/L	NA		U		1
PW-T	Dibromochloromethane	UG/L	NA		U		1
PW-T	Ethyl Benzene	UG/L	NA		U		1
PW-T	Methylene chloride	UG/L	NA		U		2
PW-T	Styrene	UG/L	NA		U		1
PW-T	Tetrachloroethene	UG/L	NA		U		1
PW-T	Toluene	UG/L	NA		U		1
PW-T	trans-1,2-Dichloroethene	UG/L	NA		U		1
PW-T	trans-1,3-Dichloropropene	UG/L	NA		U		1
PW-T	Trichloroethene	UG/L	NA		U		1
PW-T	Vinyl chloride	UG/L	NA		U		2
PW-T	Xylenes (total)	UG/L	NA		U		1

BOLD = Exceedance of Highest Baseline Detection

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifier (DQ), please see Appendix C.

DPP/JEF
J:\405\0577 ACS\0301 GW Mon\GW Monitoring Database\Current Database (Sept 2005)ACS GW Database_2000.mdb[rptPWNewResultsVOC]
4050577

Residential Well Semivolatile Organic Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-B	2,2'-oxybis(1-Chloropropane)	UG/L	5.0		U		10
PW-B	2,4,5-Trichlorophenol	UG/L	20		U		10
PW-B	2,4,6-Trichlorophenol	UG/L	5.0		U		10
PW-B	2,4-Dichlorophenol	UG/L	5.0		U		10
PW-B	2,4-Dimethylphenol	UG/L	5.0		U		10
PW-B	2,4-Dinitrophenol	UG/L	20		U		52
PW-B	2,4-Dinitrotoluene	UG/L	5.0		U		10
PW-B	2,6-Dinitrotoluene	UG/L	5.0		U		10
PW-B	2-Chloronaphthalene	UG/L	5.0		U		10
PW-B	2-Chlorophenol	UG/L	5.0		U		10
PW-B	2-Methylnaphthalene	UG/L	5.0		U		10
PW-B	2-Methylphenol	UG/L	5.0		U		10
PW-B	2-Nitroaniline	UG/L	20		U		52
PW-B	2-Nitrophenol	UG/L	5.0		U		10
PW-B	3,3'-Dichlorobenzidine	UG/L	5.0		U		52
PW-B	3-Nitroaniline	UG/L	20		U		52
PW-B	4,6-Dinitro-2-methylphenol	UG/L	20		U		52
PW-B	4-Bromophenyl-phenylether	UG/L	5.0		U		10
PW-B	4-Chloro-3-methylphenol	UG/L	5.0		U		21
PW-B	4-Chloroaniline	UG/L	5.0		U		21
PW-B	4-Chlorophenyl-phenyl ether	UG/L	5.0		U		10
PW-B	4-Nitroaniline	UG/L	20		U		52
PW-B	4-Nitrophenol	UG/L	20		U		52
PW-B	Acenaphthene	UG/L	5.0		U		10
PW-B	Acenaphthylene	UG/L	5.0		U		10
PW-B	Anthracene	UG/L	5.0		U		10
PW-B	Benzo(a)anthracene	UG/L	5.0		U		10
PW-B	Benzo(a)pyrene	UG/L	5.0	1.5	JB	UB	10
PW-B	Benzo(b)fluoranthene	UG/L	5.0		U		10
PW-B	Benzo(g,h,i)perylene	UG/L	5.0	1.4	JB	UB	10
PW-B	Benzo(k)fluoranthene	UG/L	5.0		U		10
PW-B	Bis(2-chloroethoxy)methane	UG/L	5.0		U		10
PW-B	bis(2-chloroethyl) ether	UG/L	5.0		U		10
PW-B	Bis(2-ethylhexyl)phthalate	UG/L	5.0		U		10
PW-B	Butylbenzylphthalate	UG/L	5.0		U		10
PW-B	Carbazole	UG/L	NA		U		10
PW-B	Chrysene	UG/L	5.0		U		10
PW-B	Dibenzo(a,h)anthracene	UG/L	5.0	1.6	JB	UB	10
PW-B	Dibenzofuran	UG/L	5.0		U		10
PW-B	Diethylphthalate	UG/L	5.0		U		10
PW-B	Dimethylphthalate	UG/L	5.0		U		10
PW-B	Di-n-butylphthalate	UG/L	5.0		U		10
PW-B	Di-n-octylphthalate	UG/L	5.0		U		10
PW-B	Fluoranthene	UG/L	5.0		U		10
PW-B	Fluorene	UG/L	5.0		U		10
PW-B	Hexachlorobenzene	UG/L	5.0		U		10

BOLD = Exceedance of Highest Baseline Detection

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifier (DQ), please see Appendix C.

DPP/JEF
J:\405\0577 ACS\0301 GW Mon\GW Monitoring Database\Current Database (Sept 2005)\ACS GW Database_2000.mdb[rptPWNewResultsSVOC]
4050577

Residential Well Semivolatile Organic Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-B	Hexachlorobutadiene	UG/L	5.0		U		10
PW-B	Hexachlorocyclopentadiene	UG/L	5.0		U	UJ	10
PW-B	Hexachloroethane	UG/L	5.0		U		10
PW-B	Indeno(1,2,3-cd)pyrene	UG/L	5.0	1.5	JB	UB	10
PW-B	Isophorone	UG/L	5.0		U		10
PW-B	m-Cresol	UG/L	NA		U		10
PW-B	Naphthalene	UG/L	5.0		U		10
PW-B	Nitrobenzene	UG/L	5.0		U		10
PW-B	N-Nitroso-di-n-propylamine	UG/L	5.0		U		10
PW-B	N-Nitrosodiphenylamine	UG/L	5.0		U		10
PW-B	Pentachlorophenol	UG/L	20		U		52
PW-B	Phenanthrene	UG/L	5.0		U		10
PW-B	Phenol	UG/L	5.0		U		10
PW-B	Pyrene	UG/L	5.0		U		10
PW-C	2,2'-oxybis(1-Chloropropane)	UG/L	5.0		U		10
PW-C	2,4,5-Trichlorophenol	UG/L	20		U		10
PW-C	2,4,6-Trichlorophenol	UG/L	5.0		U		10
PW-C	2,4-Dichlorophenol	UG/L	5.0		U		10
PW-C	2,4-Dimethylphenol	UG/L	5.0		U		10
PW-C	2,4-Dinitrophenol	UG/L	20		U		51
PW-C	2,4-Dinitrotoluene	UG/L	5.0		U		10
PW-C	2,6-Dinitrotoluene	UG/L	5.0		U		10
PW-C	2-Chloronaphthalene	UG/L	5.0		U		10
PW-C	2-Chlorophenol	UG/L	5.0		U		10
PW-C	2-Methylnaphthalene	UG/L	5.0		U		10
PW-C	2-Methylphenol	UG/L	5.0		U		10
PW-C	2-Nitroaniline	UG/L	20		U		51
PW-C	2-Nitrophenol	UG/L	5.0		U		10
PW-C	3,3'-Dichlorobenzidine	UG/L	5.0		U		51
PW-C	3-Nitroaniline	UG/L	20		U		51
PW-C	4,6-Dinitro-2-methylphenol	UG/L	20		U		51
PW-C	4-Bromophenyl-phenylether	UG/L	5.0		U		10
PW-C	4-Chloro-3-methylphenol	UG/L	5.0		U		20
PW-C	4-Chloroaniline	UG/L	5.0		U		20
PW-C	4-Chlorophenyl-phenyl ether	UG/L	5.0		U		10
PW-C	4-Nitroaniline	UG/L	20		U		51
PW-C	4-Nitrophenol	UG/L	20		U		51
PW-C	Acenaphthene	UG/L	5.0		U		10
PW-C	Acenaphthylene	UG/L	5.0		U		10
PW-C	Anthracene	UG/L	5.0		U		10
PW-C	Benzo(a)anthracene	UG/L	5.0		U		10
PW-C	Benzo(a)pyrene	UG/L	5.0		U		10
PW-C	Benzo(b)fluoranthene	UG/L	5.0		U		10
PW-C	Benzo(g,h,i)perylene	UG/L	5.0	1.5	JB	UB	10
PW-C	Benzo(k)fluoranthene	UG/L	5.0		U		10
PW-C	Bis(2-chloroethoxy)methane	UG/L	5.0		U		10

BOLD = Exceedance of Highest Baseline Detection

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifier (DQ), please see Appendix C.

DPP/JEF
J:\405\0577 ACS\0301 GW Mon\GW Monitoring Database\Current Database (Sept 2005)\ACS GW Database_2000.mdb[rptPWNewResultsSVOC]
4050577

Residential Well Semivolatile Organic Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-C	bis(2-chloroethyl) ether	UG/L	5.0		U		10
PW-C	Bis(2-ethylhexyl)phthalate	UG/L	5.0		U		10
PW-C	Butylbenzylphthalate	UG/L	5.0		U		10
PW-C	Carbazole	UG/L	NA		U		10
PW-C	Chrysene	UG/L	5.0		U		10
PW-C	Dibenzo(a,h)anthracene	UG/L	5.0	1.7	JB	UB	10
PW-C	Dibenzofuran	UG/L	5.0		U		10
PW-C	Diethylphthalate	UG/L	5.0		U		10
PW-C	Dimethylphthalate	UG/L	5.0		U		10
PW-C	Di-n-butylphthalate	UG/L	5.0		U		10
PW-C	Di-n-octylphthalate	UG/L	5.0		U		10
PW-C	Fluoranthene	UG/L	5.0		U		10
PW-C	Fluorene	UG/L	5.0		U		10
PW-C	Hexachlorobenzene	UG/L	5.0		U		10
PW-C	Hexachlorobutadiene	UG/L	5.0		U		10
PW-C	Hexachlorocyclopentadiene	UG/L	5.0		U	UJ	10
PW-C	Hexachloroethane	UG/L	5.0		U		10
PW-C	Indeno(1,2,3-cd)pyrene	UG/L	5.0	1.6	JB	UB	10
PW-C	Isophorone	UG/L	5.0		U		10
PW-C	m-Cresol	UG/L	NA		U		10
PW-C	Naphthalene	UG/L	5.0		U		10
PW-C	Nitrobenzene	UG/L	5.0		U		10
PW-C	N-Nitroso-di-n-propylamine	UG/L	5.0		U		10
PW-C	N-Nitrosodiphenylamine	UG/L	5.0		U		10
PW-C	Pentachlorophenol	UG/L	20		U		51
PW-C	Phenanthrene	UG/L	5.0		U		10
PW-C	Phenol	UG/L	5.0		U		10
PW-C	Pyrene	UG/L	5.0		U		10
PW-D	2,2'-oxybis(1-Chloropropane)	UG/L	5.0		U		10
PW-D	2,4,5-Trichlorophenol	UG/L	20		U		10
PW-D	2,4,6-Trichlorophenol	UG/L	5.0		U		10
PW-D	2,4-Dichlorophenol	UG/L	5.0		U		10
PW-D	2,4-Dimethylphenol	UG/L	5.0		U		10
PW-D	2,4-Dinitrophenol	UG/L	20		U		52
PW-D	2,4-Dinitrotoluene	UG/L	5.0		U		10
PW-D	2,6-Dinitrotoluene	UG/L	5.0		U		10
PW-D	2-Chloronaphthalene	UG/L	5.0		U		10
PW-D	2-Chlorophenol	UG/L	5.0		U		10
PW-D	2-Methylnaphthalene	UG/L	5.0		U		10
PW-D	2-Methylphenol	UG/L	5.0		U		10
PW-D	2-Nitroaniline	UG/L	20		U		52
PW-D	2-Nitrophenol	UG/L	5.0		U		10
PW-D	3,3'-Dichlorobenzidine	UG/L	5.0		U		52
PW-D	3-Nitroaniline	UG/L	20		U		52
PW-D	4,6-Dinitro-2-methylphenol	UG/L	20		U		52
PW-D	4-Bromophenyl-phenylether	UG/L	5.0		U		10

BOLD = Exceedance of Highest Baseline Detection

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifier (DQ), please see Appendix C.

DPP/JEF
J:\405\0577 ACS\0301 GW Mon\GW Monitoring Database\Current Database (Sept 2005)\ACS GW Database_2000.mdb[rptPWNewResultsSVOC]
4050577

Residential Well Semivolatile Organic Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-D	4-Chloro-3-methylphenol	UG/L	5.0		U		21
PW-D	4-Chloroaniline	UG/L	5.0		U		21
PW-D	4-Chlorophenyl-phenyl ether	UG/L	5.0		U		10
PW-D	4-Nitroaniline	UG/L	20		U		52
PW-D	4-Nitrophenol	UG/L	20		U		52
PW-D	Acenaphthene	UG/L	5.0		U		10
PW-D	Acenaphthylene	UG/L	5.0		U		10
PW-D	Anthracene	UG/L	5.0		U		10
PW-D	Benzo(a)anthracene	UG/L	5.0		U		10
PW-D	Benzo(a)pyrene	UG/L	5.0		U		10
PW-D	Benzo(b)fluoranthene	UG/L	5.0		U		10
PW-D	Benzo(g,h,i)perylene	UG/L	5.0	1.2	JB	UB	10
PW-D	Benzo(k)fluoranthene	UG/L	5.0		U		10
PW-D	Bis(2-chloroethoxy)methane	UG/L	5.0		U		10
PW-D	bis(2-chloroethyl) ether	UG/L	5.0		U		10
PW-D	Bis(2-ethylhexyl)phthalate	UG/L	5.0		U		10
PW-D	Butylbenzylphthalate	UG/L	5.0		U		10
PW-D	Carbazole	UG/L	5.0		U		10
PW-D	Chrysene	UG/L	5.0		U		10
PW-D	Dibenzo(a,h)anthracene	UG/L	5.0	1.2	JB	UB	10
PW-D	Dibenzofuran	UG/L	5.0		U		10
PW-D	Diethylphthalate	UG/L	5.0		U		10
PW-D	Dimethylphthalate	UG/L	5.0		U		10
PW-D	Di-n-butylphthalate	UG/L	5.0		U		10
PW-D	Di-n-octylphthalate	UG/L	5.0		U		10
PW-D	Fluoranthene	UG/L	5.0		U		10
PW-D	Fluorene	UG/L	5.0		U		10
PW-D	Hexachlorobenzene	UG/L	5.0		U		10
PW-D	Hexachlorobutadiene	UG/L	5.0		U		10
PW-D	Hexachlorocyclopentadiene	UG/L	5.0		U	UJ	10
PW-D	Hexachloroethane	UG/L	5.0		U		10
PW-D	Indeno(1,2,3-cd)pyrene	UG/L	5.0		U		10
PW-D	Isophorone	UG/L	5.0		U		10
PW-D	m-Cresol	UG/L	NA		U		10
PW-D	Naphthalene	UG/L	5.0		U		10
PW-D	Nitrobenzene	UG/L	5.0		U		10
PW-D	N-Nitroso-di-n-propylamine	UG/L	5.0		U		10
PW-D	N-Nitrosodiphenylamine	UG/L	5.0		U		10
PW-D	Pentachlorophenol	UG/L	20		U		52
PW-D	Phenanthrene	UG/L	5.0		U		10
PW-D	Phenol	UG/L	5.0		U		10
PW-D	Pyrene	UG/L	5.0		U		10
PW-T	2,2'-oxybis(1-Chloropropane)	UG/L	NA		U		10
PW-T	2,4,5-Trichlorophenol	UG/L	NA		U		10
PW-T	2,4,6-Trichlorophenol	UG/L	NA		U		10
PW-T	2,4-Dichlorophenol	UG/L	NA		U		10

BOLD = Exceedance of Highest Baseline Detection

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifier (DQ), please see Appendix C.

DPP/JEF
J:\405\0577 ACS\0301 GW Mon\GW Monitoring Database\Current Database (Sept 2005)\ACS GW Database_2000.mdb[rptPWNewResultsSVOC]
4050577

Residential Well Semivolatile Organic Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-T	2,4-Dimethylphenol	UG/L	NA		U		10
PW-T	2,4-Dinitrophenol	UG/L	NA		U		51
PW-T	2,4-Dinitrotoluene	UG/L	NA		U		10
PW-T	2,6-Dinitrotoluene	UG/L	NA		U		10
PW-T	2-Chloronaphthalene	UG/L	NA		U		10
PW-T	2-Chlorophenol	UG/L	NA		U		10
PW-T	2-Methylnaphthalene	UG/L	NA		U		10
PW-T	2-Methylphenol	UG/L	NA		U		10
PW-T	2-Nitroaniline	UG/L	NA		U		51
PW-T	2-Nitrophenol	UG/L	NA		U		10
PW-T	3,3'-Dichlorobenzidine	UG/L	NA		U		51
PW-T	3-Nitroaniline	UG/L	NA		U		51
PW-T	4,6-Dinitro-2-methylphenol	UG/L	NA		U		51
PW-T	4-Bromophenyl-phenylether	UG/L	NA		U		10
PW-T	4-Chloro-3-methylphenol	UG/L	NA		U		20
PW-T	4-Chloroaniline	UG/L	NA		U		20
PW-T	4-Chlorophenyl-phenyl ether	UG/L	NA		U		10
PW-T	4-Nitroaniline	UG/L	NA		U		51
PW-T	4-Nitrophenol	UG/L	NA		U		51
PW-T	Acenaphthene	UG/L	NA		U		10
PW-T	Acenaphthylene	UG/L	NA		U		10
PW-T	Anthracene	UG/L	NA		U		10
PW-T	Benzo(a)anthracene	UG/L	NA		U		10
PW-T	Benzo(a)pyrene	UG/L	NA		U		10
PW-T	Benzo(b)fluoranthene	UG/L	NA		U		10
PW-T	Benzo(g,h,i)perylene	UG/L	NA		U		10
PW-T	Benzo(k)fluoranthene	UG/L	NA		U		10
PW-T	Bis(2-chloroethoxy)methane	UG/L	NA		U		10
PW-T	bis(2-chloroethyl) ether	UG/L	NA		U		10
PW-T	Bis(2-ethylhexyl)phthalate	UG/L	NA		U		10
PW-T	Butylbenzylphthalate	UG/L	NA		U		10
PW-T	Carbazole	UG/L	NA		U		10
PW-T	Chrysene	UG/L	NA		U		10
PW-T	Dibenzo(a,h)anthracene	UG/L	NA		U		10
PW-T	Dibenzofuran	UG/L	NA		U		10
PW-T	Diethylphthalate	UG/L	NA		U		10
PW-T	Dimethylphthalate	UG/L	NA		U		10
PW-T	Di-n-butylphthalate	UG/L	NA		U		10
PW-T	Di-n-octylphthalate	UG/L	NA		U		10
PW-T	Fluoranthene	UG/L	NA		U		10
PW-T	Fluorene	UG/L	NA		U		10
PW-T	Hexachlorobenzene	UG/L	NA		U		10
PW-T	Hexachlorobutadiene	UG/L	NA		U		10
PW-T	Hexachlorocyclopentadiene	UG/L	NA		U	UJ	10
PW-T	Hexachloroethane	UG/L	NA		U		10
PW-T	Indeno(1,2,3-cd)pyrene	UG/L	NA		U		10

BOLD = Exceedance of Highest Baseline Detection

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifier (DQ), please see Appendix C.

DPP/JEF
J:\405\0577 ACS\0301 GW Mon\GW Monitoring Database\Current Database (Sept 2005)\ACS GW Database_2000.mdb[rptPWNewResultsSVOC]
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Residential Well Semivolatile Organic Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-T	Isophorone	UG/L	NA		U		10
PW-T	m-Cresol	UG/L	NA		U		10
PW-T	Naphthalene	UG/L	NA		U		10
PW-T	Nitrobenzene	UG/L	NA		U		10
PW-T	N-Nitroso-di-n-propylamine	UG/L	NA		U		10
PW-T	N-Nitrosodiphenylamine	UG/L	NA		U		10
PW-T	Pentachlorophenol	UG/L	NA		U		51
PW-T	Phenanthrene	UG/L	NA		U		10
PW-T	Phenol	UG/L	NA		U		10
PW-T	Pyrene	UG/L	NA		U		10

BOLD = Exceedance of Highest Baseline Detection

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifier (DQ), please see Appendix C.

DPP/JEF
J:\405\0577 ACS\0301 GW Mon\GW Monitoring Database\Current Database (Sept 2005)\ACS GW Database_2000.mdb[rptPWNewResultsSVOC]
4050577

Residential Well Pesticide and PCB Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-B	4,4'-DDD	UG/L	0.02		U		1
PW-B	4,4'-DDE	UG/L	0.02		U		1
PW-B	4,4'-DDT	UG/L	0.02		U		1
PW-B	Aldrin	UG/L	0.01		U	UJ	0.051
PW-B	alpha-BHC	UG/L	0.01		U	UJ	0.051
PW-B	alpha-Chlordane	UG/L	0.01		U		10
PW-B	Aroclor-1016	UG/L	0.20		U		0.51
PW-B	Aroclor-1221	UG/L	0.40		U		0.51
PW-B	Aroclor-1232	UG/L	0.20		U		0.51
PW-B	Aroclor-1242	UG/L	0.20		U		0.51
PW-B	Aroclor-1248	UG/L	0.20		U		0.51
PW-B	Aroclor-1254	UG/L	0.20		U		0.51
PW-B	Aroclor-1260	UG/L	0.20		U		0.51
PW-B	beta-BHC	UG/L	0.01		U		0.2
PW-B	delta-BHC	UG/L	0.01		U	UJ	1
PW-B	Dieldrin	UG/L	0.02		U	UJ	0.051
PW-B	Endosulfan I	UG/L	0.01		U		1
PW-B	Endosulfan II	UG/L	0.02		U		1
PW-B	Endosulfan sulfate	UG/L	0.02		U		1
PW-B	Endrin	UG/L	0.02		U	UJ	1
PW-B	Endrin aldehyde	UG/L	0.02		U		1
PW-B	Endrin ketone	UG/L	0.02		U		1
PW-B	gamma-BHC	UG/L	0.01		U	UJ	0.1
PW-B	gamma-Chlordane	UG/L	0.01		U		10
PW-B	Heptachlor	UG/L	0.01		U	UJ	0.2
PW-B	Heptachlor epoxide	UG/L	0.01		U		0.1
PW-B	Methoxychlor	UG/L	0.10		U	UJ	1
PW-B	Toxaphene	UG/L	1.0		U		2
PW-C	4,4'-DDD	UG/L	0.02		U		1
PW-C	4,4'-DDE	UG/L	0.02		U		1
PW-C	4,4'-DDT	UG/L	0.02		U		1
PW-C	Aldrin	UG/L	0.01		U	UJ	0.052
PW-C	alpha-BHC	UG/L	0.01		U	UJ	0.052
PW-C	alpha-Chlordane	UG/L	0.01		U		10
PW-C	Aroclor-1016	UG/L	0.20		U		0.52
PW-C	Aroclor-1221	UG/L	0.40		U		0.52
PW-C	Aroclor-1232	UG/L	0.20		U		0.52
PW-C	Aroclor-1242	UG/L	0.20		U		0.52
PW-C	Aroclor-1248	UG/L	0.20		U		0.52
PW-C	Aroclor-1254	UG/L	0.20		U		0.52
PW-C	Aroclor-1260	UG/L	0.20		U		0.52
PW-C	beta-BHC	UG/L	0.01		U		0.21
PW-C	delta-BHC	UG/L	0.01		U	UJ	1
PW-C	Dieldrin	UG/L	0.02		U	UJ	0.052
PW-C	Endosulfan I	UG/L	0.01		U		1
PW-C	Endosulfan II	UG/L	0.02		U		1

BOLD = Exceedance of Highest Baseline Detection

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifier (DQ), please see Appendix C.

DPP/JEF
J:\405\0577 ACS\0301 GW Mon\GW Monitoring Database\Current Database (Sept 2005)\ACS GW Database_2000.mdbb
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Residential Well Pesticide and PCB Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-C	Endosulfan sulfate	UG/L	0.02		U		1
PW-C	Endrin	UG/L	0.02		U	UJ	1
PW-C	Endrin aldehyde	UG/L	0.02		U		1
PW-C	Endrin ketone	UG/L	0.02		U		1
PW-C	gamma-BHC	UG/L	0.01		U	UJ	0.1
PW-C	gamma-Chlordane	UG/L	0.01		U		10
PW-C	Heptachlor	UG/L	0.01		U	UJ	0.21
PW-C	Heptachlor epoxide	UG/L	0.01		U		0.1
PW-C	Methoxychlor	UG/L	0.10		U	UJ	1
PW-C	Toxaphene	UG/L	1.0		U		2.1
PW-D	4,4'-DDD	UG/L	0.02		U		1
PW-D	4,4'-DDE	UG/L	0.02		U		1
PW-D	4,4'-DDT	UG/L	0.02		U		1
PW-D	Aldrin	UG/L	0.01		U	UJ	0.051
PW-D	alpha-BHC	UG/L	0.01		U	UJ	0.051
PW-D	alpha-Chlordane	UG/L	0.01		U		10
PW-D	Aroclor-1016	UG/L	0.20		U		0.51
PW-D	Aroclor-1221	UG/L	0.40		U		0.51
PW-D	Aroclor-1232	UG/L	0.20		U		0.51
PW-D	Aroclor-1242	UG/L	0.20		U		0.51
PW-D	Aroclor-1248	UG/L	0.20		U		0.51
PW-D	Aroclor-1254	UG/L	0.20		U		0.51
PW-D	Aroclor-1260	UG/L	0.20		U		0.51
PW-D	beta-BHC	UG/L	0.01		U		0.2
PW-D	delta-BHC	UG/L	0.01		U	UJ	1
PW-D	Dieldrin	UG/L	0.02		U	UJ	0.051
PW-D	Endosulfan I	UG/L	0.01		U		1
PW-D	Endosulfan II	UG/L	0.02		U		1
PW-D	Endosulfan sulfate	UG/L	0.02		U		1
PW-D	Endrin	UG/L	0.02		U	UJ	1
PW-D	Endrin aldehyde	UG/L	0.02		U		1
PW-D	Endrin ketone	UG/L	0.02		U		1
PW-D	gamma-BHC	UG/L	0.01		U	UJ	0.1
PW-D	gamma-Chlordane	UG/L	0.01		U		10
PW-D	Heptachlor	UG/L	0.01		U	UJ	0.2
PW-D	Heptachlor epoxide	UG/L	0.01		U		0.1
PW-D	Methoxychlor	UG/L	0.10		U	UJ	1
PW-D	Toxaphene	UG/L	1.0		U		2
PW-T	4,4'-DDD	UG/L	NA		U		1.1
PW-T	4,4'-DDE	UG/L	NA		U		1.1
PW-T	4,4'-DDT	UG/L	NA		U		1.1
PW-T	Aldrin	UG/L	NA		U	UJ	0.053
PW-T	alpha-BHC	UG/L	NA		U	UJ	0.053
PW-T	alpha-Chlordane	UG/L	NA		U		11
PW-T	Aroclor-1016	UG/L	NA		U		0.53
PW-T	Aroclor-1221	UG/L	NA		U		0.53

BOLD = Exceedance of Highest Baseline Detection

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifier (DQ), please see Appendix C.

DPP/JEF
J:\405\0577 ACS\0301 GW Mon\GW Monitoring Database\Current Database (Sept 2005)\ACS GW Database_2000.mdbb
[rptPWNewResultsPCB]
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Residential Well Pesticide and PCB Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-T	Aroclor-1232	UG/L	NA		U		0.53
PW-T	Aroclor-1242	UG/L	NA		U		0.53
PW-T	Aroclor-1248	UG/L	NA		U		0.53
PW-T	Aroclor-1254	UG/L	NA		U		0.53
PW-T	Aroclor-1260	UG/L	NA		U		0.53
PW-T	beta-BHC	UG/L	NA		U		0.21
PW-T	delta-BHC	UG/L	NA		U	UJ	1.1
PW-T	Dieldrin	UG/L	NA		U	UJ	0.053
PW-T	Endosulfan I	UG/L	NA		U		1.1
PW-T	Endosulfan II	UG/L	NA		U		1.1
PW-T	Endosulfan sulfate	UG/L	NA		U		1.1
PW-T	Endrin	UG/L	NA		U	UJ	1.1
PW-T	Endrin aldehyde	UG/L	NA		U		1.1
PW-T	Endrin ketone	UG/L	NA		U		1.1
PW-T	gamma-BHC	UG/L	NA		U	UJ	0.11
PW-T	gamma-Chlordane	UG/L	NA		U		11
PW-T	Heptachlor	UG/L	NA		U	UJ	0.21
PW-T	Heptachlor epoxide	UG/L	NA		U		0.11
PW-T	Methoxychlor	UG/L	NA		U	UJ	1.1
PW-T	Toxaphene	UG/L	NA		U		2.1

BOLD = Exceedance of Highest Baseline Detection

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifier (DQ), please see Appendix C.

DPP/JEF
J:\405\0577 ACS\0301 GW Mon\GW Monitoring Database\Current Database (Sept 2005)\ACS GW Database_2000.mdbb
[rptPWNewResultsPCB]
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Residential Well Inorganic Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-B	Aluminum	UG/L	19		U		200
PW-B	Antimony	UG/L	1.0	0.11	JB	UB	6
PW-B	Arsenic	UG/L	2.0	0.41	J		10
PW-B	Barium	UG/L	121	120		B	2
PW-B	Beryllium	UG/L	1.0		U		1
PW-B	Cadmium	UG/L	1.0		U		2
PW-B	Calcium	UG/L	91,200	80,000		B	500
PW-B	Chromium (Total)	UG/L	1.0		U		3
PW-B	Cobalt	UG/L	1.0	0.16	J	B	3
PW-B	Copper	UG/L	2.3	**3.3**	J		10
PW-B	Cyanide (Total)	UG/L	10		U		5
PW-B	Iron	UG/L	2,170	**2,300**			50
PW-B	Lead	UG/L	1.0	0.29	J		7.5
PW-B	Magnesium	UG/L	42,700	40,000			500
PW-B	Manganese	UG/L	56	**60**		B	2
PW-B	Mercury	UG/L	0.20		U		0.2
PW-B	Nickel	UG/L	3.3	1.4	J		10
PW-B	Potassium	UG/L	1,760	1,700			500
PW-B	Selenium	UG/L	2.0	0.26	JB	UB	5
PW-B	Silver	UG/L	1.0		U		10
PW-B	Sodium	UG/L	14,200	**23,000**			500
PW-B	Thallium	UG/L	3.0	0.28	JB	UB	2
PW-B	Vanadium	UG/L	1.0		U		8
PW-B	Zinc	UG/L	9.6	7.3	J		20
PW-C	Aluminum	UG/L	25		U		200
PW-C	Antimony	UG/L	1.0	0.068	JB	UB	6
PW-C	Arsenic	UG/L	2.0	0.47	J		10
PW-C	Barium	UG/L	166	150		B	2
PW-C	Beryllium	UG/L	1.0		U		1
PW-C	Cadmium	UG/L	1.0	0.014	J		2
PW-C	Calcium	UG/L	93,200	86,000		B	500
PW-C	Chromium (Total)	UG/L	1.0		U		3
PW-C	Cobalt	UG/L	1.0	0.17	J	B	3
PW-C	Copper	UG/L	32	8.9	J		10
PW-C	Cyanide (Total)	UG/L	10		U		5
PW-C	Iron	UG/L	3,030	**3,500**			50
PW-C	Lead	UG/L	1.9	0.59	J		7.5
PW-C	Magnesium	UG/L	53,700	49,000			500
PW-C	Manganese	UG/L	35	35		B	2
PW-C	Mercury	UG/L	0.20		U		0.2
PW-C	Nickel	UG/L	1.0	**2.2**	J		10
PW-C	Potassium	UG/L	2,730	2,200			500
PW-C	Selenium	UG/L	2.0		U		5
PW-C	Silver	UG/L	1.0		U		10
PW-C	Sodium	UG/L	23,300	17,000			500

BOLD = Exceedance of Highest Baseline Detection

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifier (DQ), please see Appendix C.

DPPJEF
J:\405\0577 ACS\0301 GW Mon\GW Monitoring Database\Current Database (Sept 2005)\ACS GW Database_2000.mdb [rptPWNewResultsInorg]
4050577

Residential Well Inorganic Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-C	Thallium	UG/L	3.0	0.16	JB	UB	2
PW-C	Vanadium	UG/L	1.0		U		8
PW-C	Zinc	UG/L	79	21			20
PW-D	Aluminum	UG/L	125		U		200
PW-D	Antimony	UG/L	1.0	0.52	JB	UB	6
PW-D	Arsenic	UG/L	2.0	1.1	J		10
PW-D	Barium	UG/L	157	130		B	2
PW-D	Beryllium	UG/L	1.0		U		1
PW-D	Cadmium	UG/L	1.1		U		2
PW-D	Calcium	UG/L	96,800	85,000		B	500
PW-D	Chromium (Total)	UG/L	1.0	**1.8**	J		3
PW-D	Cobalt	UG/L	1.0	0.18	J	B	3
PW-D	Copper	UG/L	155	2.3	J		10
PW-D	Cyanide (Total)	UG/L	10		U		5
PW-D	Iron	UG/L	3,190	2,500			50
PW-D	Lead	UG/L	23	0.34	J		7.5
PW-D	Magnesium	UG/L	50,900	46,000			500
PW-D	Manganese	UG/L	48	25		B	2
PW-D	Mercury	UG/L	0.20		U		0.2
PW-D	Nickel	UG/L	4.3	0.9	J		10
PW-D	Potassium	UG/L	2,660	2,200			500
PW-D	Selenium	UG/L	2.0	1.4	JB	UB	5
PW-D	Silver	UG/L	1.0	0.0034	J	UB	10
PW-D	Sodium	UG/L	24,100	21,000			500
PW-D	Thallium	UG/L	3.0	3	B	UB	2
PW-D	Vanadium	UG/L	1.0		U		8
PW-D	Zinc	UG/L	1,580	14	J		20
PW-T	Aluminum	UG/L			U		200
PW-T	Antimony	UG/L		0.051	JB	UB	6
PW-T	Arsenic	UG/L		0.81	J		10
PW-T	Barium	UG/L		140		B	2
PW-T	Beryllium	UG/L			U		1
PW-T	Cadmium	UG/L			U		2
PW-T	Calcium	UG/L		91,000		B	500
PW-T	Chromium (Total)	UG/L		1.3	J		3
PW-T	Cobalt	UG/L		0.21	J	B	3
PW-T	Copper	UG/L		0.65	J		10
PW-T	Cyanide (Total)	UG/L			U		5
PW-T	Iron	UG/L		2,700			50
PW-T	Lead	UG/L			U		7.5
PW-T	Magnesium	UG/L		51,000			500
PW-T	Manganese	UG/L		33		B	2
PW-T	Mercury	UG/L			U		0.2
PW-T	Nickel	UG/L		4.7	J		10
PW-T	Potassium	UG/L		2,400			500

BOLD = Exceedance of Highest Baseline Detection

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifier (DQ), please see Appendix C.

DPPJEF
J:\405\0577 ACS\0301 GW Mon\GW Monitoring Database\Current Database (Sept 2005)\ACS GW Database_2000.mdb [rptPWNewResultsInorg]
4050577

Residential Well Inorganic Results - October 2007
Comparison to Maximum Baseline Detections
American Chemical Services NPL Site
Griffith, Indiana

Well	Analyte	Units	Highest Detect during Baseline	Current Event			
				Result	LQ	DQ	Detect Limit
PW-T	Selenium	UG/L			U		5
PW-T	Silver	UG/L			U		10
PW-T	Sodium	UG/L		21,000			500
PW-T	Thallium	UG/L		0.16	JB	UB	2
PW-T	Vanadium	UG/L			U		8
PW-T	Zinc	UG/L		13	J		20

BOLD = Exceedance of Highest Baseline Detection

For an explanation of Laboratory Qualifiers (LQ) and Data Validation Qualifier (DQ), please see Appendix C.

DPPJEF
J:\405\0577 ACS\0301 GW Mon\GW Monitoring Database\Current Database (Sept 2005)\ACS GW Database_2000.mdb [rptPWNewResultsInorg]
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Appendix B

Concentration Vs. Time Plots

Upper Aquifer Monitoring Wells

MW06
MW11
MW12
MW13
MW14
MW15
MW17
MW19
MW37
MW39
MW42
MW43
MW44
MW45
MW48
MW49

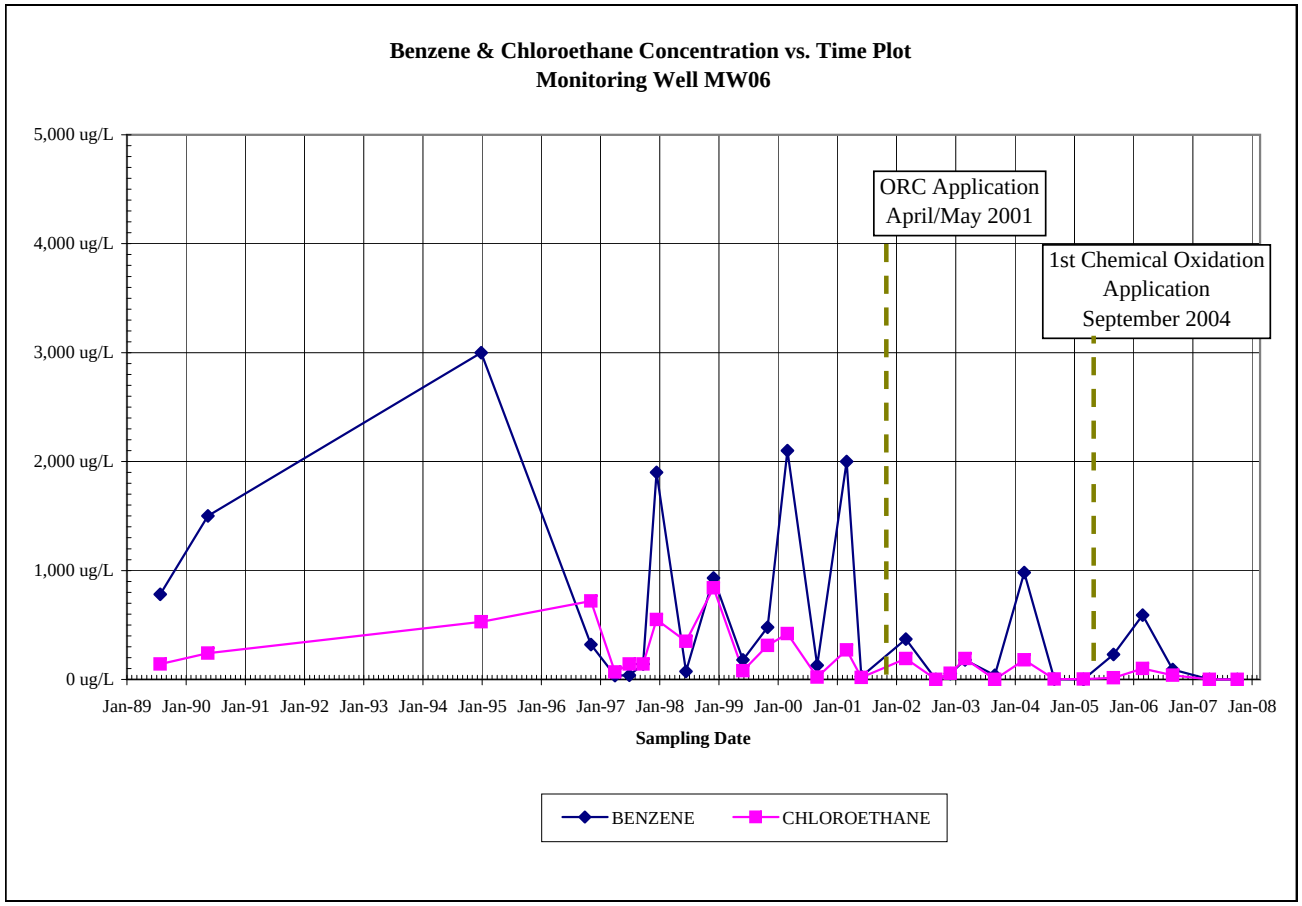
Lower Aquifer Monitoring Wells

MW08
MW09R
MW10C
MW23
MW28
MW29
MW30
MW31
MW32
MW33
MW51
MW52
MW53
MW54R
MW55
MW56

Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW06

DATE	BENZENE	CHLOROETHANE
BASELINE	**320**	**720**
August-89	780 ug/L	140 ug/L
May-90	1,500 ug/L	240 ug/L
December-94	3,000 ug/L	530 ug/L
November-96	320 ug/L	720 ug/L
April-97	35 ug/L	67 ug/L
July-97	39 ug/L	140 ug/L
September-97	140 ug/L	140 ug/L
December-97	1,900 ug/L	550 ug/L
June-98	72 ug/L	350 ug/L
December-98	930 ug/L	840 ug/L
June-99	180 ug/L	78 ug/L
November-99	480 ug/L	310 ug/L
March-00	2,100 ug/L	420 ug/L
September-00	130 ug/L	22 ug/L
March-01	2,000 ug/L	270 ug/L
June-01	26 ug/L	18 ug/L
March-02	370 ug/L	190 ug/L
September-02	BDL	BDL
December-02	54 ug/L	56 ug/L
March-03	180 ug/L	190 ug/L
September-03	39 ug/L	BDL
March-04	980 ug/L	180 ug/L
September-04	2.7 ug/L	2.6 ug/L
March-05	BDL	3 ug/L
September-05	230 ug/L	14 ug/L
March-06	590 ug/L	100 ug/L
September-06	91 ug/L	37 ug/L
April-07	BDL	BDL
October-07	BDL	0.86 ug/L

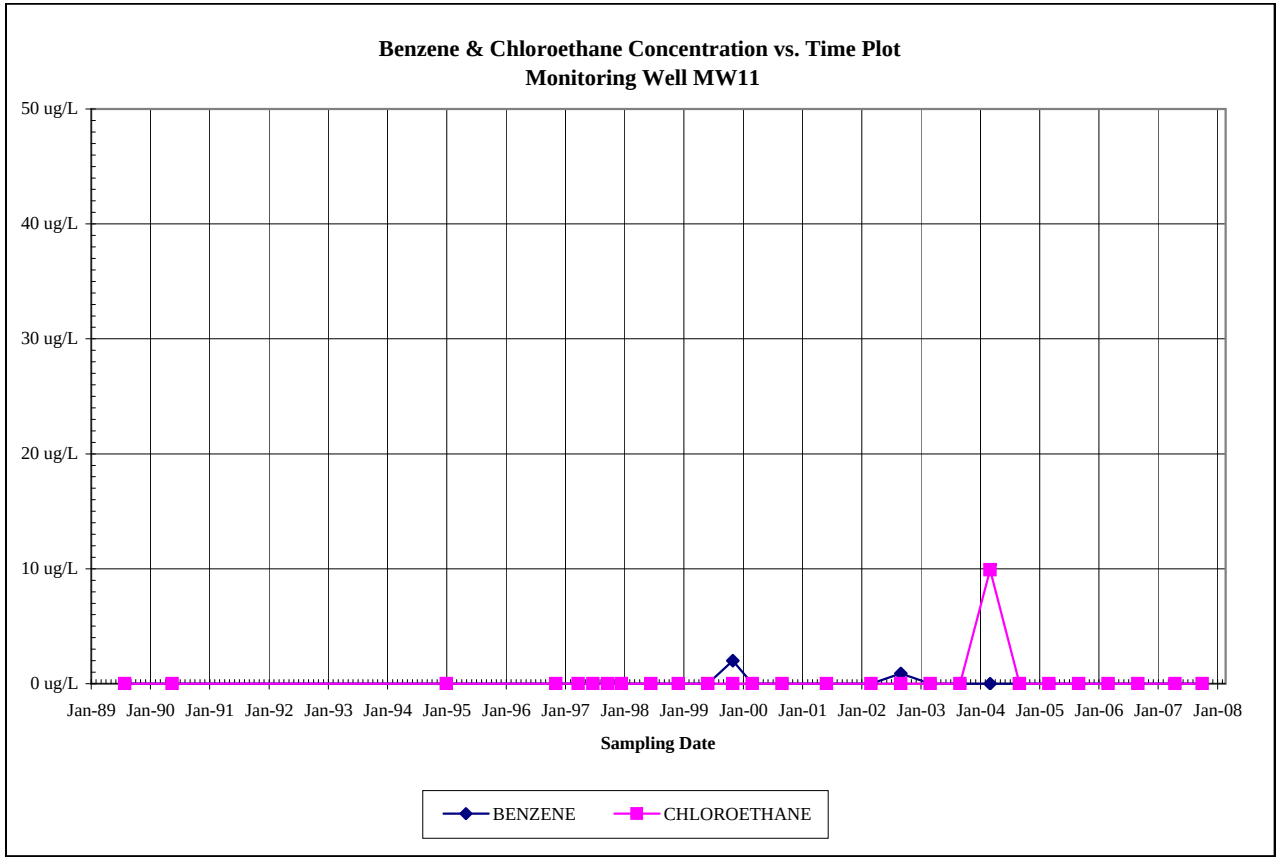
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW11

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89	BDL	BDL
May-90	BDL	BDL
January-95	BDL	BDL
November-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	2 ug/L	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	0.9 ug/L	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	9.9
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL
September-06	BDL	BDL
April-07	BDL	BDL
October-07	BDL	BDL

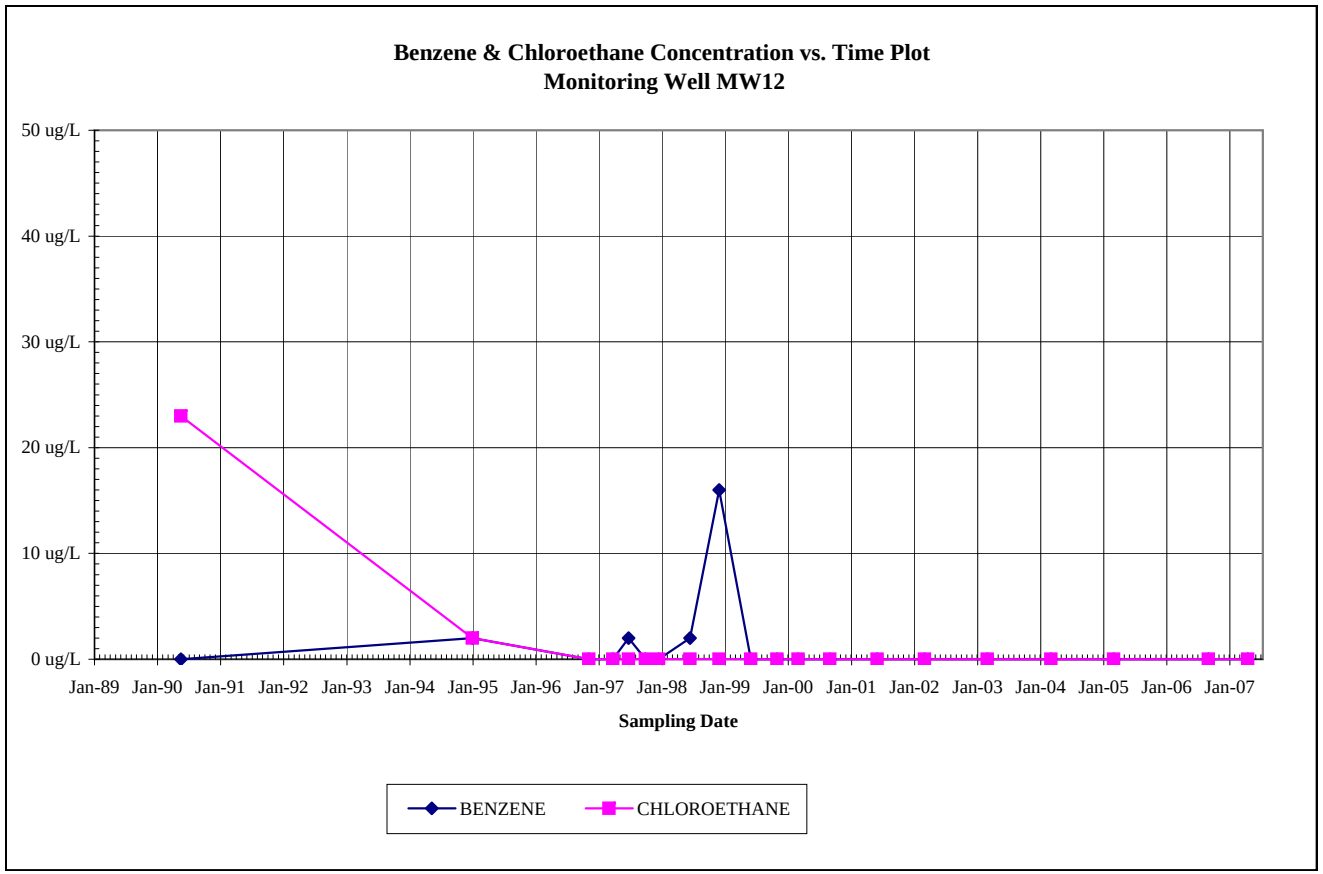
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW12

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90	BDL	23 ug/L
January-95	2 ug/L	2 ug/L
November-96	BDL	BDL
March-97	BDL	BDL
June-97	2 ug/L	BDL
October-97	BDL	BDL
December-97	BDL	BDL
June-98	2 ug/L	BDL
December-98	16 ug/L	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
March-03	BDL	BDL
March-04	BDL	BDL
March-05	BDL	BDL
September-06	BDL	BDL
April-07	BDL	BDL

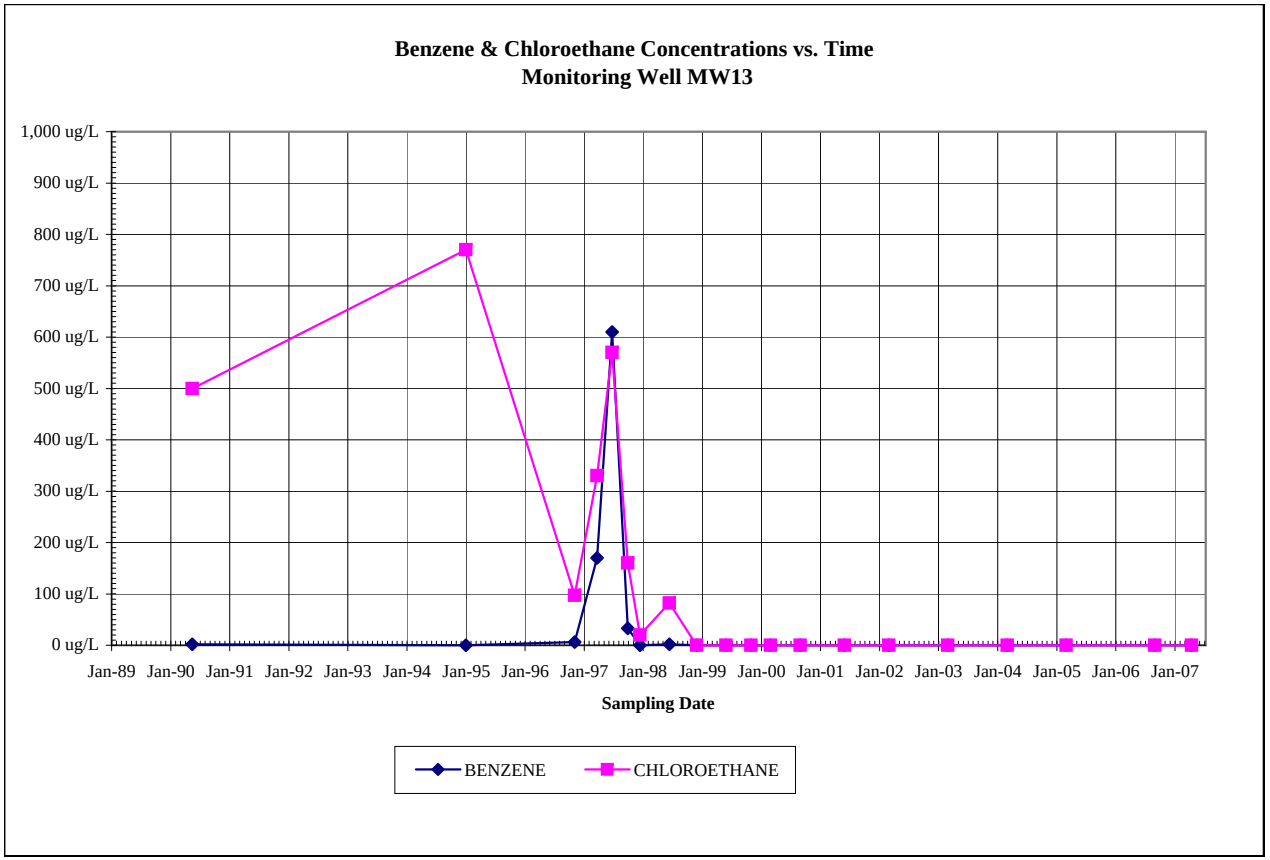
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW13

DATE	BENZENE	CHLOROETHANE
BASELINE	**610**	**570**
August-89		
May-90	2 ug/L	500 ug/L
January-95	BDL	770 ug/L
November-96	6 ug/L	97 ug/L
March-97	170 ug/L	330 ug/L
June-97	610 ug/L	570 ug/L
October-97	33 ug/L	160 ug/L
December-97	BDL	20 ug/L
June-98	2 ug/L	82 ug/L
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
March-03	BDL	BDL
March-04	BDL	BDL
March-05	BDL	BDL
September-06	BDL	BDL
April-07	BDL	BDL

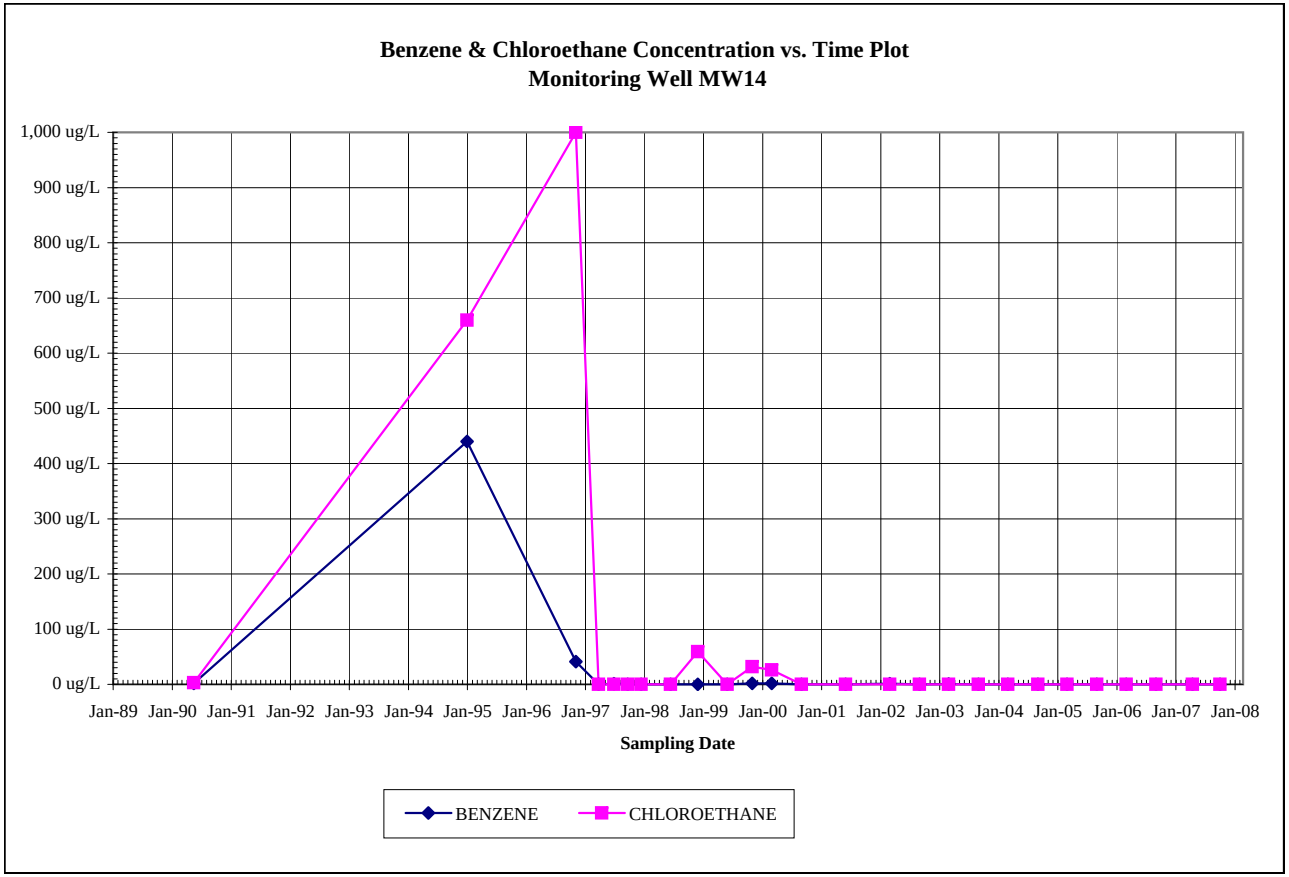
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW14

DATE	BENZENE	CHLOROETHANE
BASELINE	**41**	**1000**
August-89		
May-90	2 ug/L	3 ug/L
January-95	440 ug/L	660 ug/L
November-96	41 ug/L	1,000 ug/L
March-97	BDL	BDL
June-97	1 ug/L	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	59 ug/L
June-99	BDL	BDL
November-99	2 ug/L	32 ug/L
March-00	2 ug/L	26 ug/L
September-00	BDL	BDL
June-01	BDL	BDL
March-02	1 ug/L	BDL
September-02	BDL	BDL
March-03	0.7 ug/L	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL
September-06	BDL	BDL
April-07	BDL	BDL
October-07	BDL	BDL

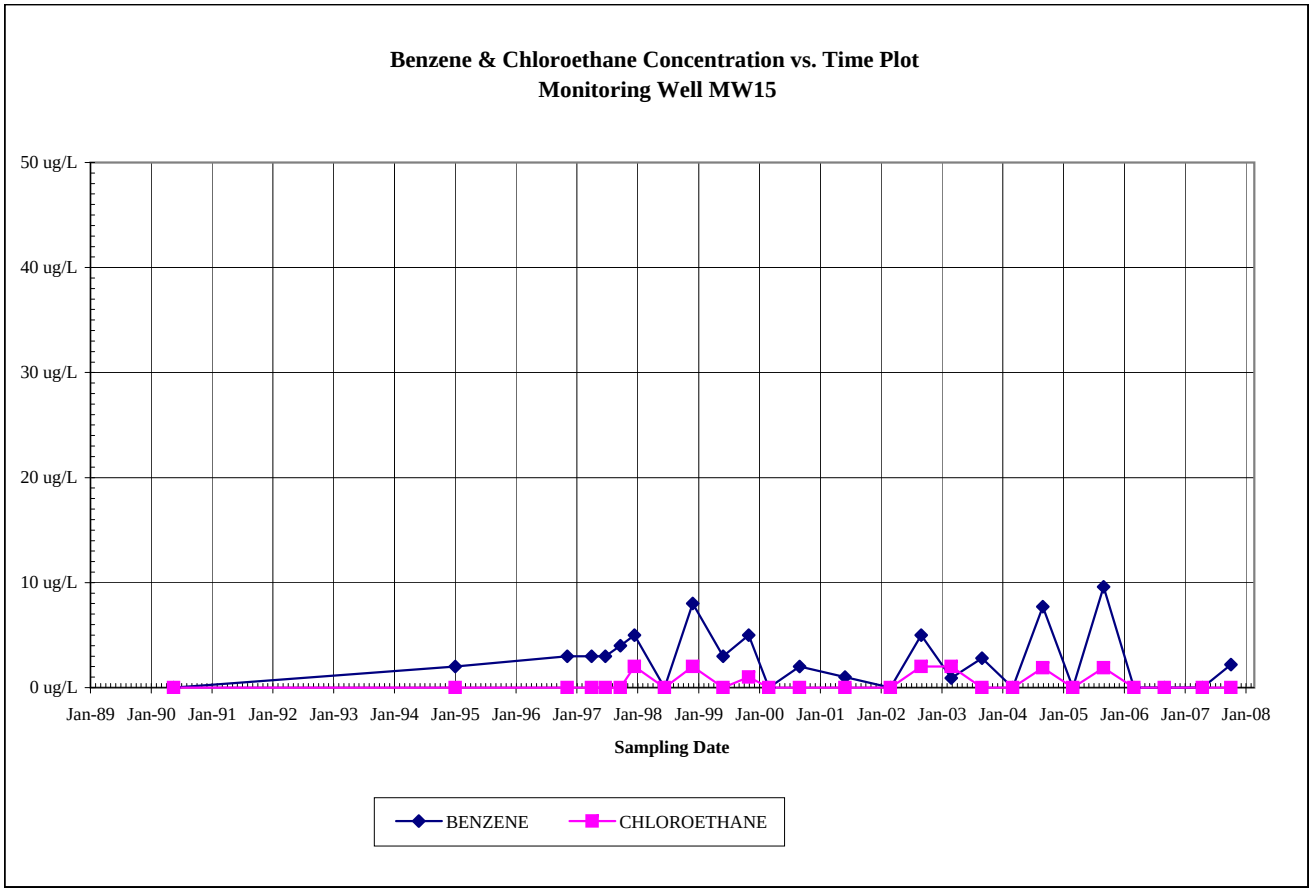
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW15

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90	BDL	BDL
January-95	2 ug/L	BDL
November-96	3 ug/L	BDL
April-97	3 ug/L	BDL
June-97	3 ug/L	BDL
September-97	4 ug/L	BDL
December-97	5 ug/L	2 ug/L
June-98	BDL	BDL
December-98	8 ug/L	2 ug/L
June-99	3 ug/L	BDL
November-99	5 ug/L	1 ug/L
March-00	BDL	BDL
September-00	2 ug/L	BDL
June-01	1 ug/L	BDL
March-02	BDL	BDL
September-02	5 ug/L	2 ug/L
March-03	1 ug/L	2 ug/L
September-03	2.8 ug/L	BDL
March-04	BDL	BDL
September-04	7.7 ug/L	1.9 ug/L
March-05	BDL	BDL
September-05	9.6 ug/L	1.9 ug/L
March-06	BDL	BDL
September-06	BDL	BDL
April-07	BDL	BDL
October-07	2.2 ug/L	BDL

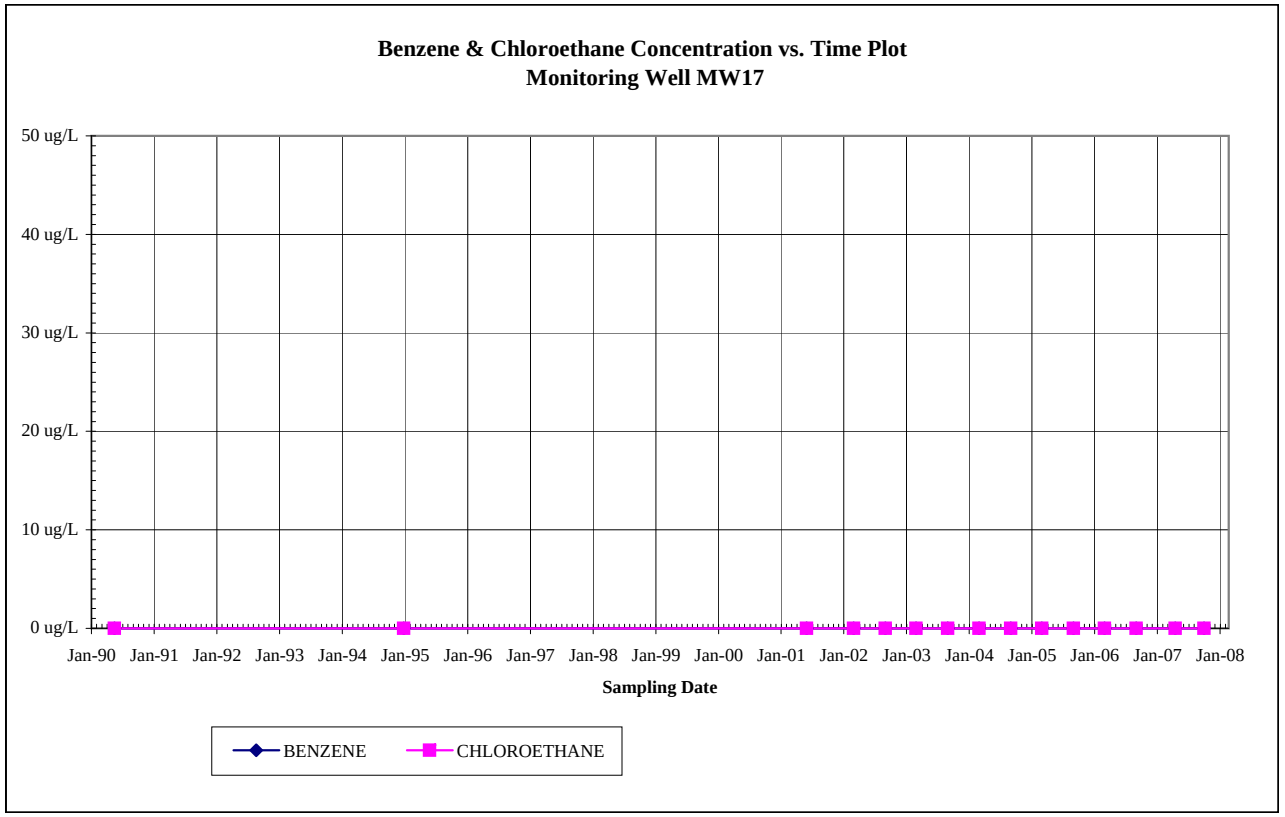
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW17

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
May-90	BDL	BDL
December-94	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL
September-06	BDL	BDL
April-07	BDL	BDL
October-07	BDL	BDL

BDL = Below the Detection Limit
Baseline values adopted from nearby abandoned well MW18



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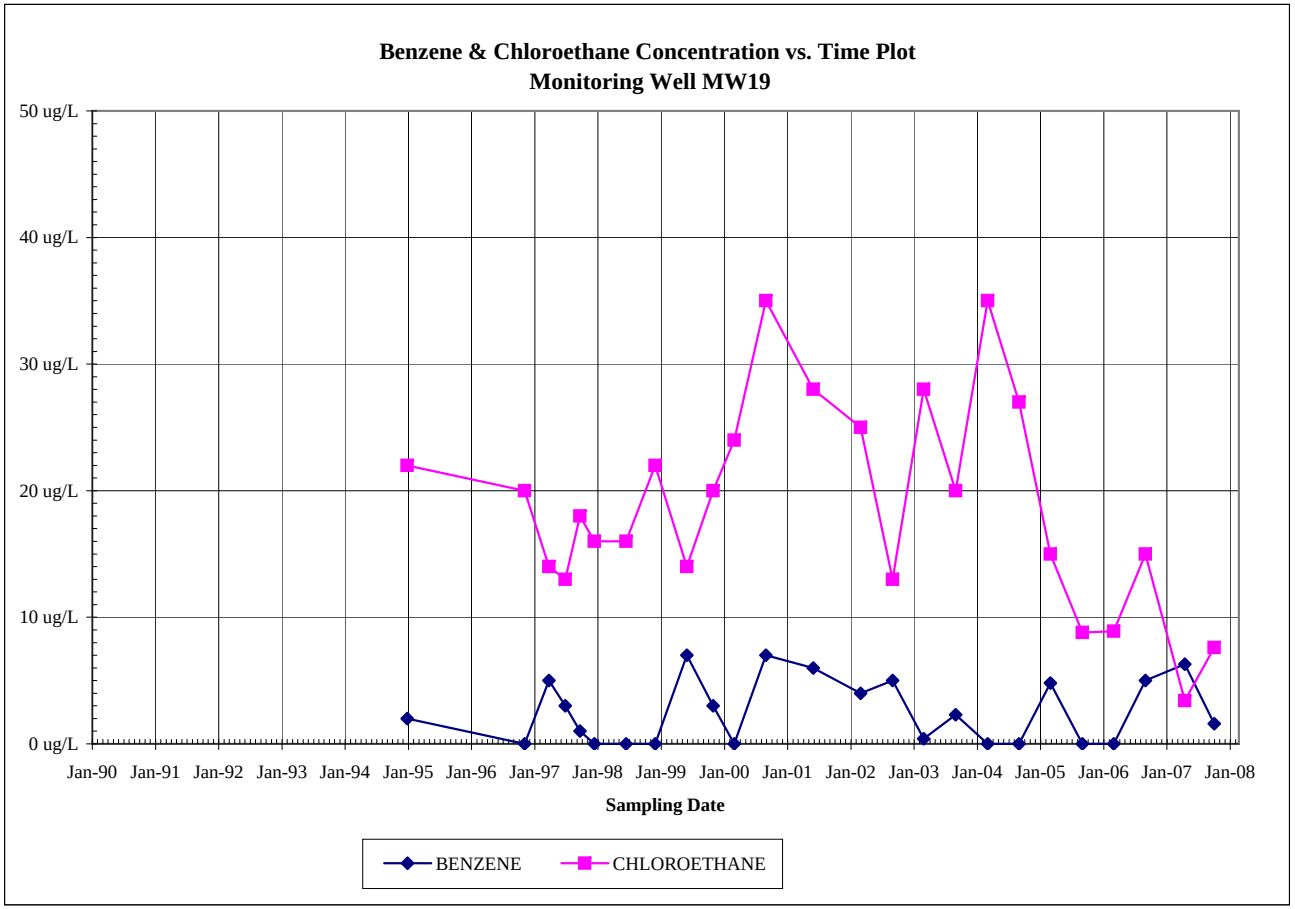
Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW19

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**20**
August-89		
May-90		
December-94	2 ug/L	22 ug/L
November-96	BDL	20 ug/L
March-97	5 ug/L	14 ug/L
June-97	3 ug/L	13 ug/L
September-97	1 ug/L	18 ug/L
December-97	BDL	16 ug/L
June-98	BDL	16 ug/L
December-98	BDL	22 ug/L
June-99	7 ug/L	14 ug/L
November-99	3 ug/L	20 ug/L
March-00	BDL	24 ug/L
September-00	7 ug/L	35 ug/L
June-01	6 ug/L	28 ug/L
March-02	4 ug/L	25 ug/L
September-02	5 ug/L	13 ug/L
March-03	0.4 ug/L	28 ug/L
September-03	2.3 ug/L	20 ug/L
March-04	BDL	35 ug/L
September-04	BDL	27 ug/L
March-05	4.8 ug/L	15 ug/L
September-05	BDL	8.8 ug/L
March-06	BDL	8.9 ug/L
September-06	5.0 ug/L	15.0 ug/L
April-07	6.3 ug/L	3.4 ug/L
October-07	1.6 ug/L	7.6 ug/L

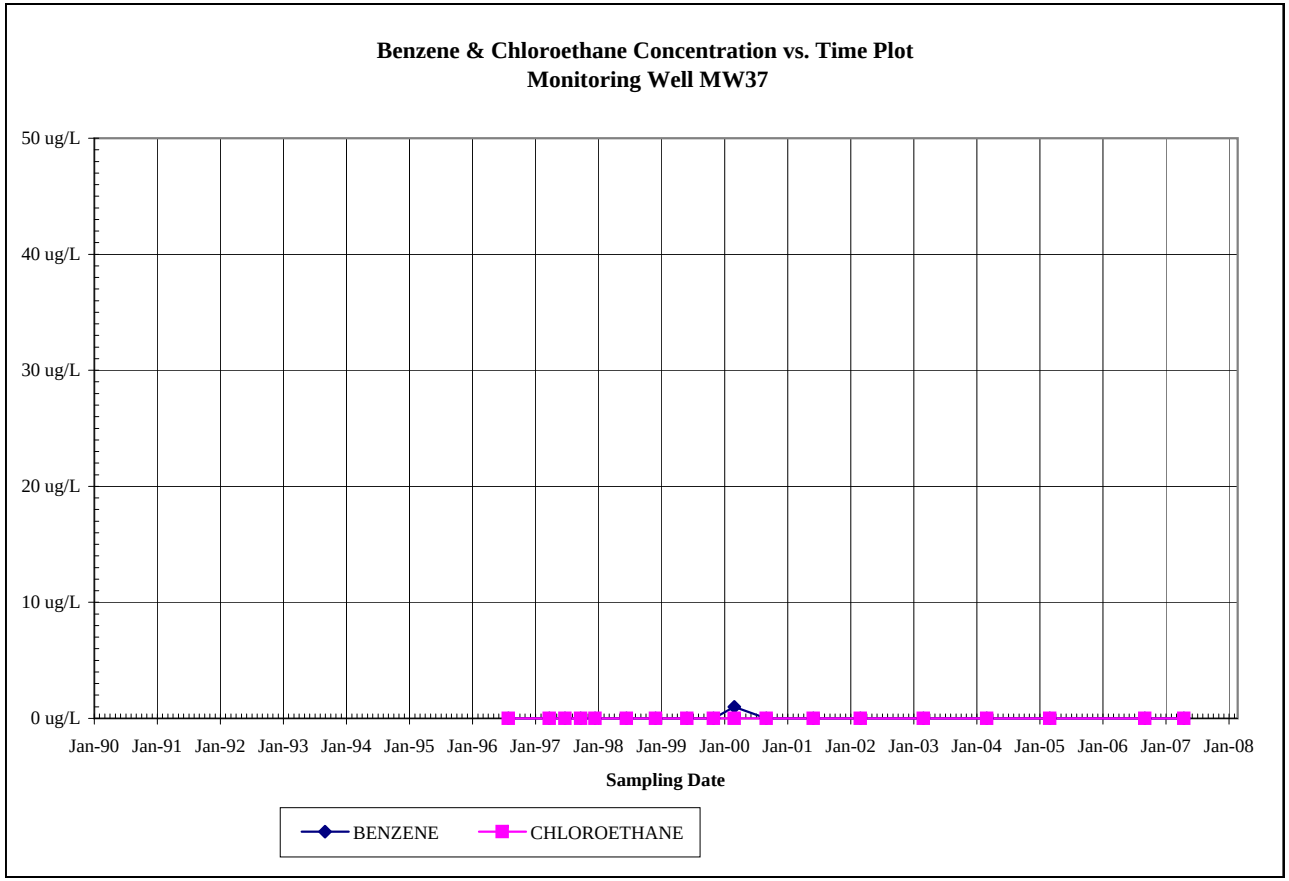
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW37

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	1 ug/L	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
March-03	BDL	BDL
March-04	BDL	BDL
March-05	BDL	BDL
September-06	BDL	BDL
April-07	BDL	BDL

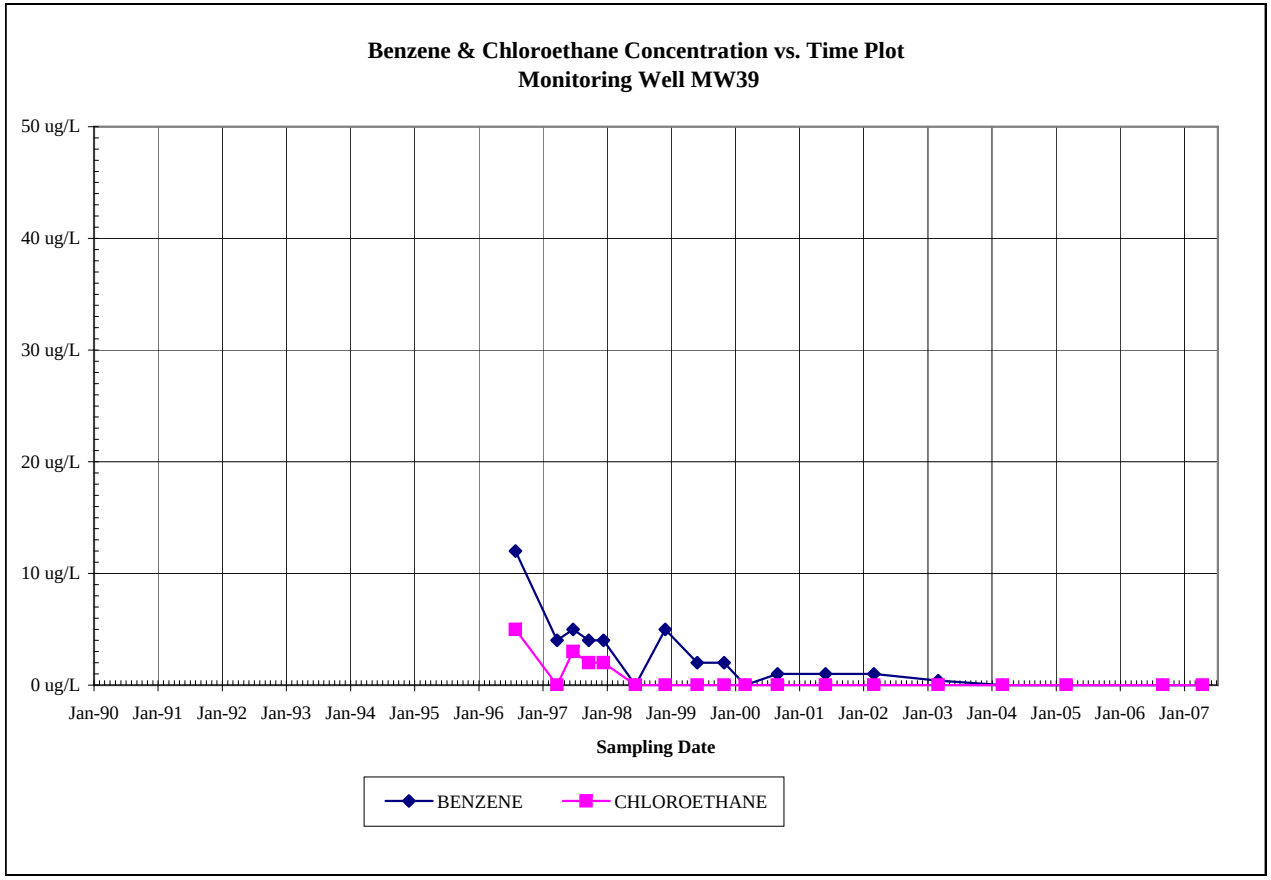
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW39

DATE	BENZENE	CHLOROETHANE
BASELINE	**12**	**10**
August-89		
May-90		
December-94		
August-96	12 ug/L	5 ug/L
March-97	4 ug/L	BDL
June-97	5 ug/L	3 ug/L
September-97	4 ug/L	2 ug/L
December-97	4 ug/L	2 ug/L
June-98	BDL	BDL
December-98	5 ug/L	BDL
June-99	2 ug/L	BDL
November-99	2 ug/L	BDL
March-00	BDL	BDL
September-00	1 ug/L	BDL
June-01	1 ug/L	BDL
March-02	1 ug/L	BDL
March-03	0.4 ug/L	BDL
March-04	BDL	BDL
March-05	BDL	BDL
September-06	BDL	BDL
April-07	BDL	BDL

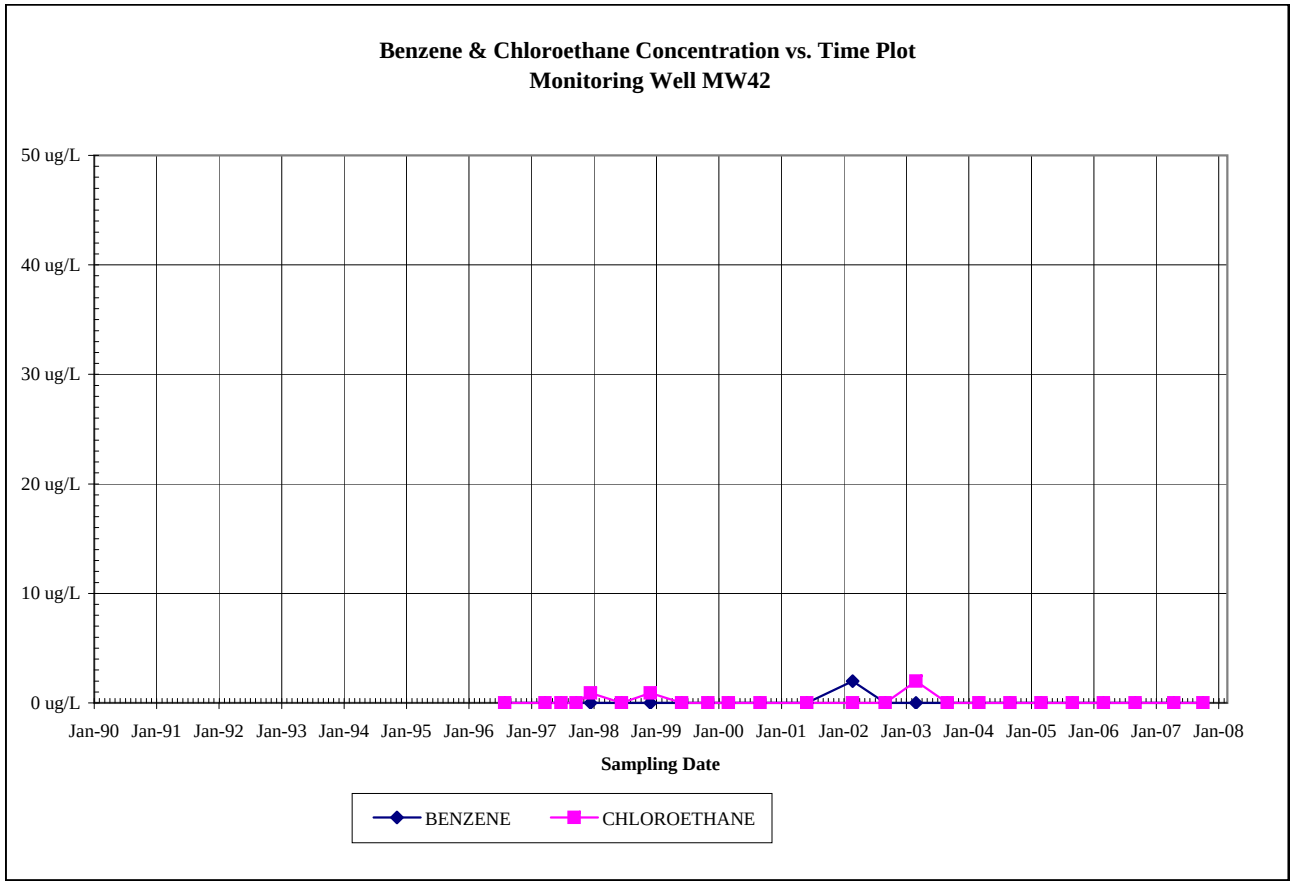
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW42

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	0.9 ug/L
June-98	BDL	BDL
December-98	BDL	0.9 ug/L
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
February-02	2 ug/L	BDL
September-02	BDL	BDL
March-03	BDL	2 ug/L
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL
September-06	BDL	BDL
April-07	BDL	BDL
October-07	BDL	BDL

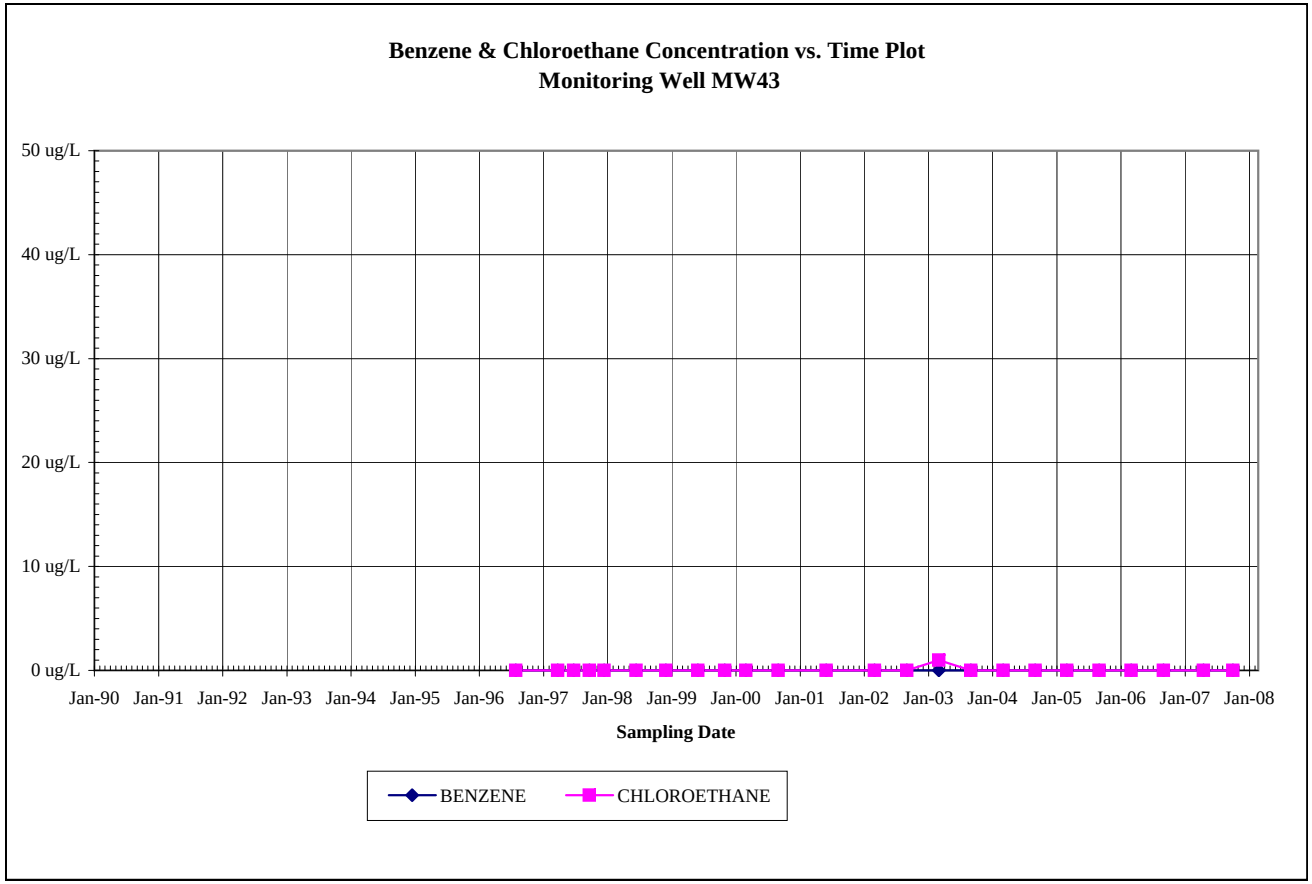
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW43

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	1 ug/L
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL
September-06	BDL	BDL
April-07	BDL	BDL
October-07	BDL	BDL

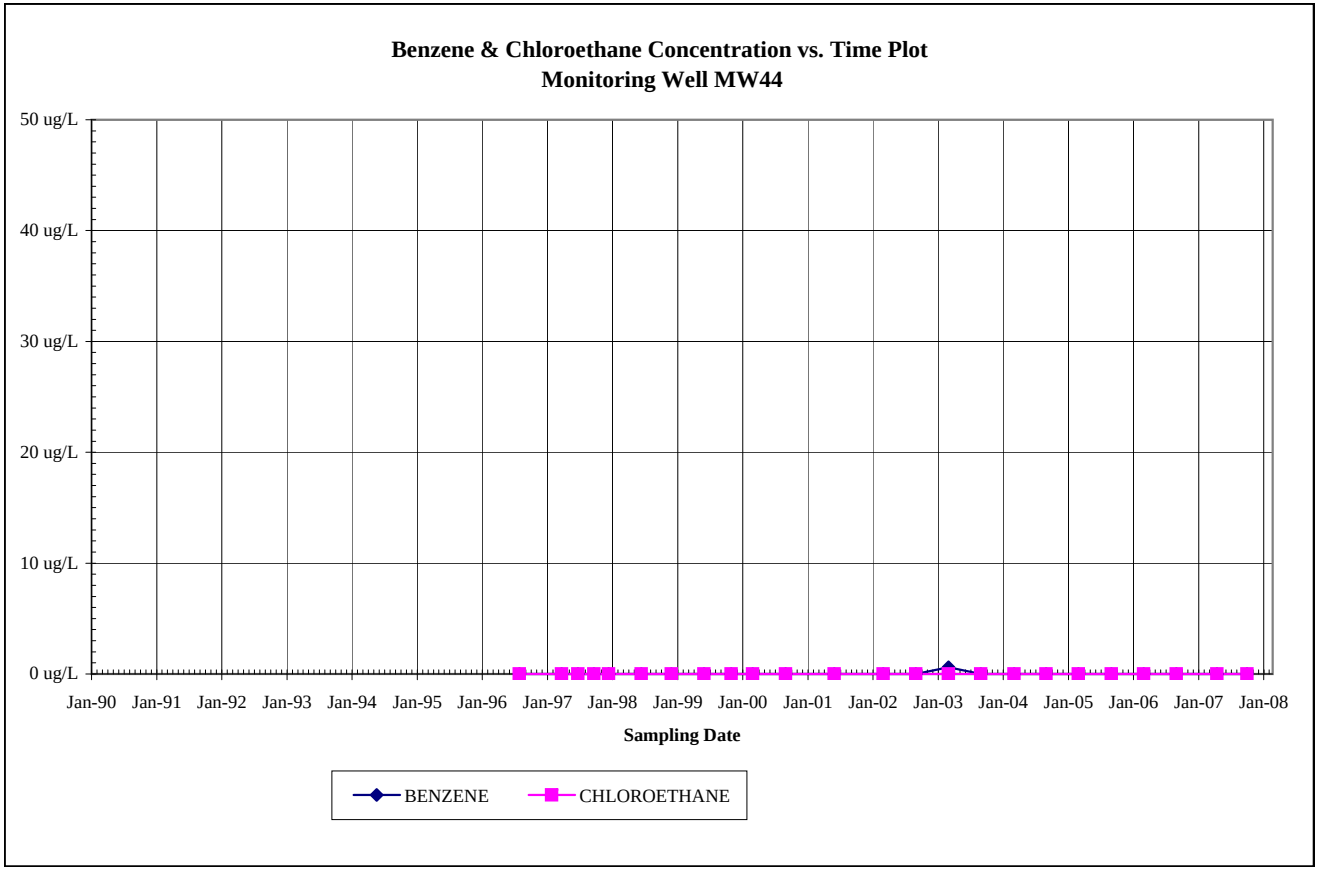
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW44

DATE	BENZENE	CHLOROETHANE
BASELINE	10	10
August-89		
May-90		
December-94		
August-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	0.6 ug/L	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL
September-06	BDL	BDL
April-07	BDL	BDL
October-07	NS	NS

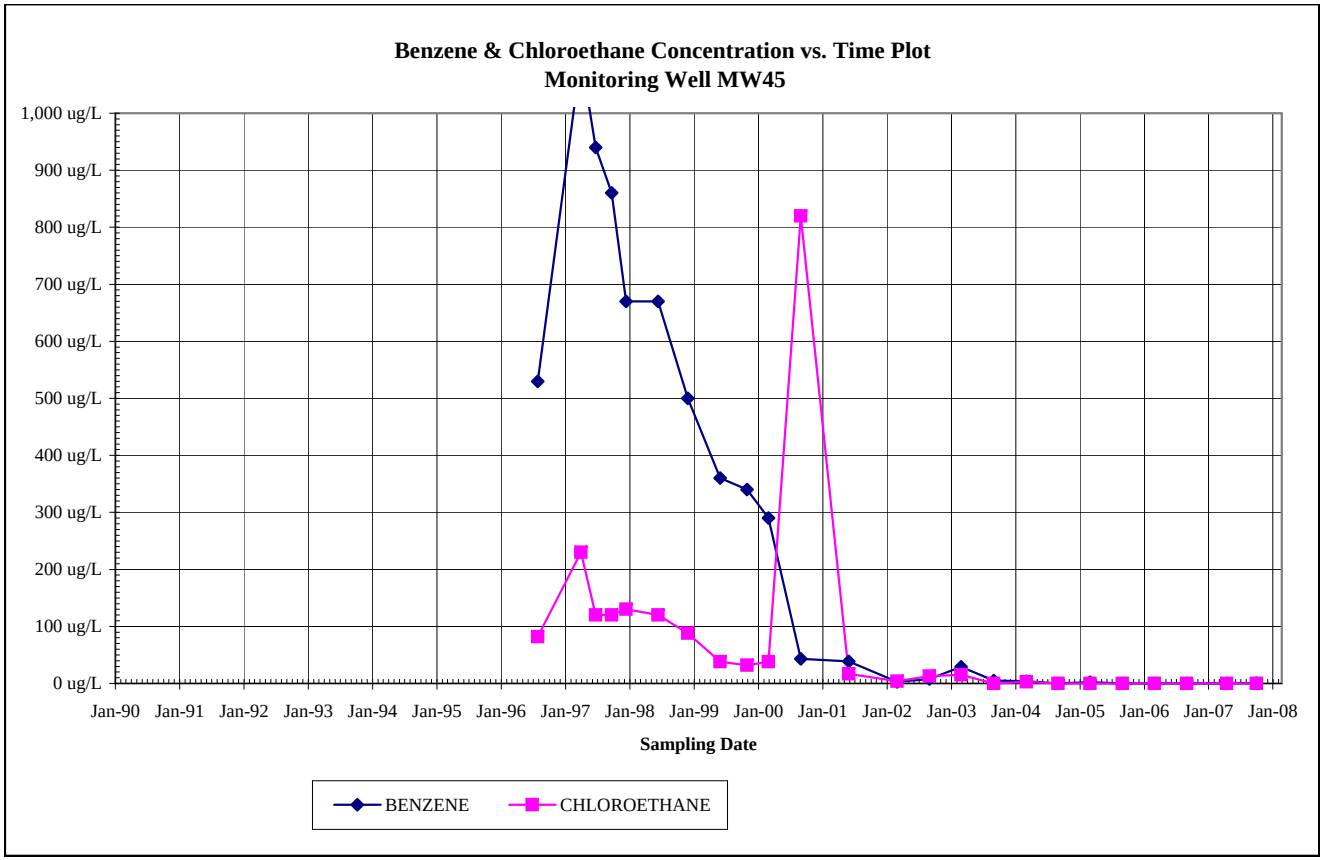
BDL = Below the Detection Limit
NS = Not sampled



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW45

DATE	BENZENE	CHLOROETHANE
BASELINE	**1045**	**215**
August-89		
May-90		
December-94		
August-96	530 ug/L	82 ug/L
April-97	1,100 ug/L	230 ug/L
June-97	940 ug/L	120 ug/L
September-97	860 ug/L	120 ug/L
December-97	670 ug/L	130 ug/L
June-98	670 ug/L	120 ug/L
December-98	500 ug/L	88 ug/L
June-99	360 ug/L	38 ug/L
November-99	340 ug/L	32 ug/L
March-00	290 ug/L	38 ug/L
September-00	43 ug/L	820 ug/L
June-01	39 ug/L	17 ug/L
March-02	3 ug/L	4 ug/L
September-02	8 ug/L	13 ug/L
March-03	29 ug/L	15 ug/L
September-03	5 ug/L	BDL
March-04	3.7 ug/L	2.7 ug/L
September-04	BDL	BDL
March-05	2.4 ug/L	BDL
September-05	BDL	BDL
March-06	BDL	BDL
September-06	BDL	BDL
April-07	BDL	BDL
October-07	0.4 ug/L	BDL

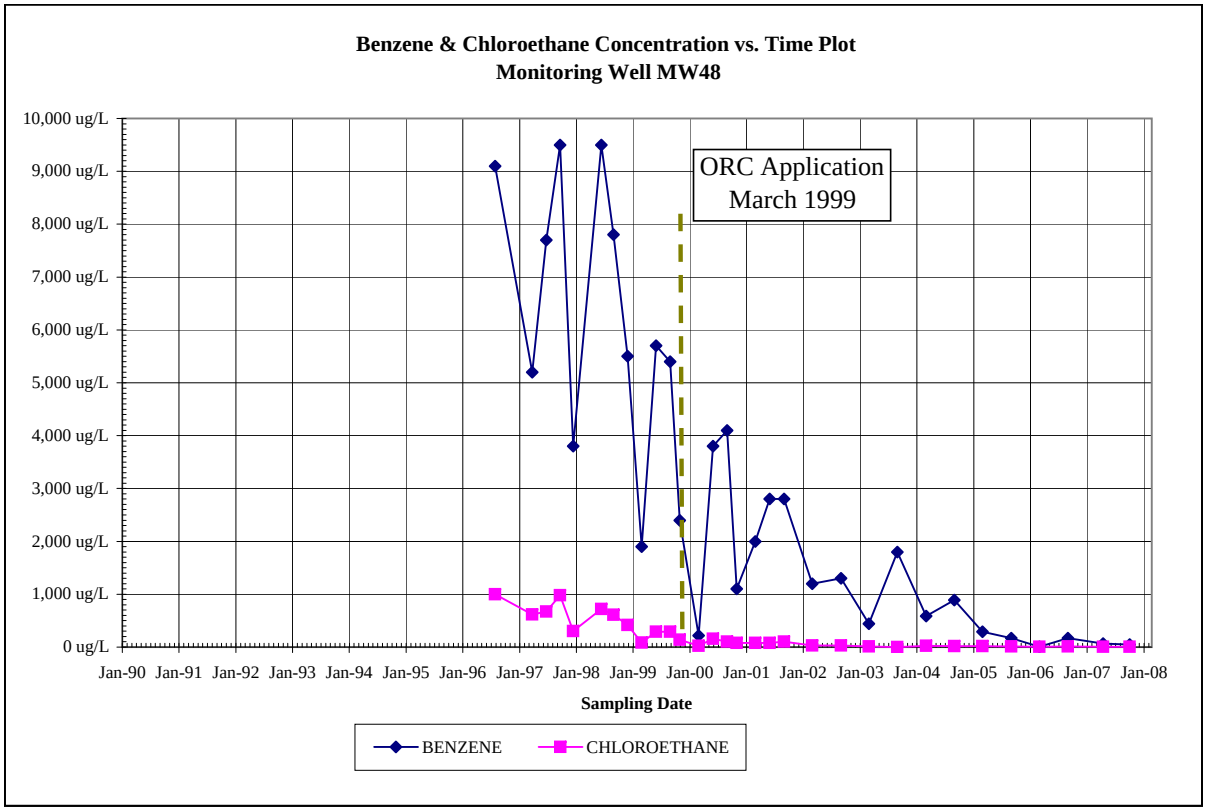
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW48

DATE	BENZENE	CHLOROETHANE
BASELINE	**9500**	**1000**
August-89		
May-90		
December-94		
August-96	9,100 ug/L	1,000 ug/L
March-97	5,200 ug/L	620 ug/L
June-97	7,700 ug/L	670 ug/L
September-97	9,500 ug/L	980 ug/L
December-97	3,800 ug/L	300 ug/L
June-98	9,500 ug/L	720 ug/L
September-98	7,800 ug/L	610 ug/L
December-98	5,500 ug/L	420 ug/L
March-99	1,900 ug/L	83 ug/L
June-99	5,700 ug/L	290 ug/L
September-99	5,400 ug/L	290 ug/L
November-99	2,400 ug/L	140 ug/L
March-00	220 ug/L	24 ug/L
June-00	3,800 ug/L	160 ug/L
September-00	4,100 ug/L	100 ug/L
November-00	1,100 ug/L	78 ug/L
March-01	2,000 ug/L	78 ug/L
June-01	2,800 ug/L	80 ug/L
September-01	2,800 ug/L	100 ug/L
March-02	1,200 ug/L	33 ug/L
September-02	1,300 ug/L	32 ug/L
March-03	440 ug/L	15 ug/L
September-03	1,800 ug/L	BDL
March-04	590 ug/L	22 ug/L
September-04	890 ug/L	20 ug/L
March-05	290 ug/L	19 ug/L
September-05	170 ug/L	11 ug/L
March-06	7.3 ug/L	4.6 ug/L
September-06	170.0 ug/L	15.0 ug/L
April-07	65.0 ug/L	4.7 ug/L
October-07	46.0 ug/L	6.0 ug/L

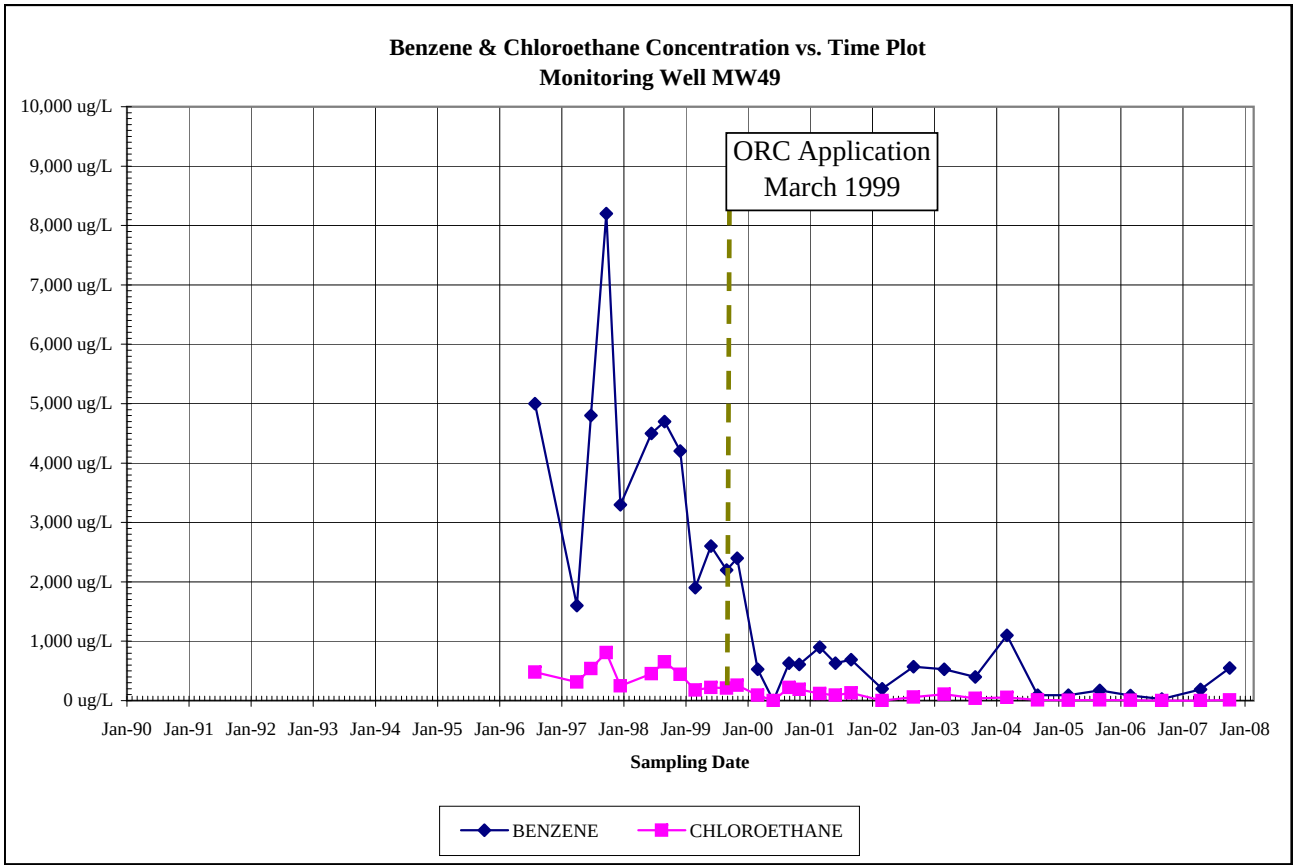
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Upper Aquifer Monitoring Well MW49

DATE	BENZENE	CHLOROETHANE
BASELINE	**6750**	**715**
August-89		
May-90		
December-94		
August-96	5,000 ug/L	480 ug/L
April-97	1,600 ug/L	310 ug/L
June-97	4,800 ug/L	540 ug/L
September-97	8,200 ug/L	810 ug/L
December-97	3,300 ug/L	250 ug/L
June-98	4,500 ug/L	450 ug/L
September-98	4,700 ug/L	650 ug/L
December-98	4,200 ug/L	440 ug/L
March-99	1,900 ug/L	180 ug/L
June-99	2,600 ug/L	220 ug/L
September-99	2,200 ug/L	210 ug/L
November-99	2,400 ug/L	260 ug/L
March-00	530 ug/L	91 ug/L
June-00	BDL	BDL
September-00	630 ug/L	220 ug/L
November-00	610 ug/L	190 ug/L
March-01	900 ug/L	120 ug/L
June-01	630 ug/L	91 ug/L
September-01	690 ug/L	130 ug/L
March-02	200 ug/L	BDL
September-02	570 ug/L	60 ug/L
March-03	530 ug/L	110 ug/L
September-03	400 ug/L	38 ug/L
March-04	1,100 ug/L	52 ug/L
September-04	90 ug/L	11 ug/L
March-05	89 ug/L	5.9 ug/L
September-05	170 ug/L	9.3 ug/L
March-06	86 ug/L	3.3 ug/L
September-06	25 ug/L	BDL
April-07	190 ug/L	BDL
October-07	550 ug/L	10.0 ug/L

BDL = Below the Detection Limit

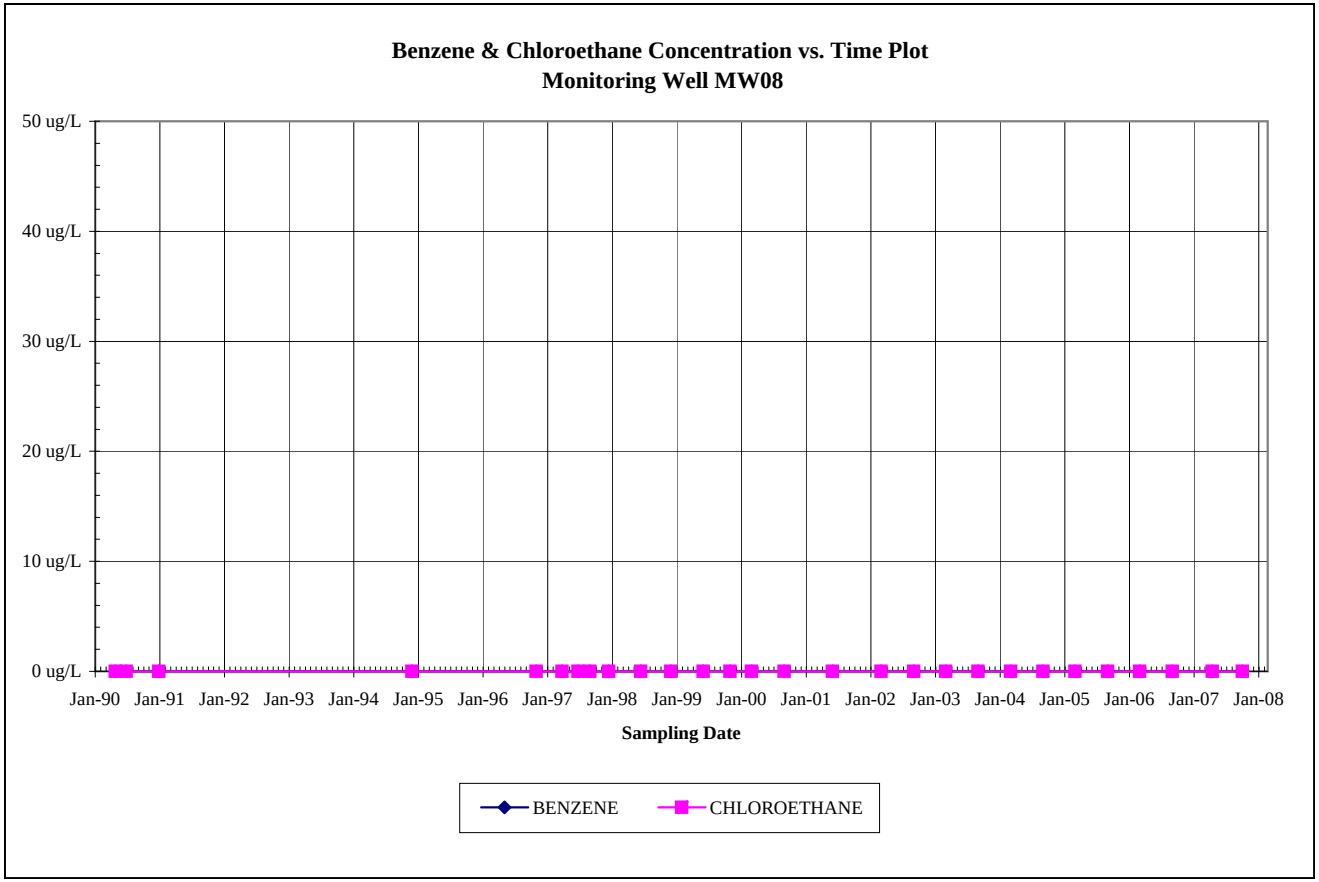


JEF/DPP
J:\405\0577 ACS\0301 GW Mon\October 2007\Report\Appendices\Appendix B\Timetrnd_GWMP_UA_Electronic.xls\MW49

Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW08

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
May-90	BDL	BDL
July-90	BDL	BDL
January-91	BDL	BDL
December-94	BDL	BDL
November-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL
September-06	BDL	BDL
April-07	BDL	BDL
October-07	0.43 ug/L	BDL

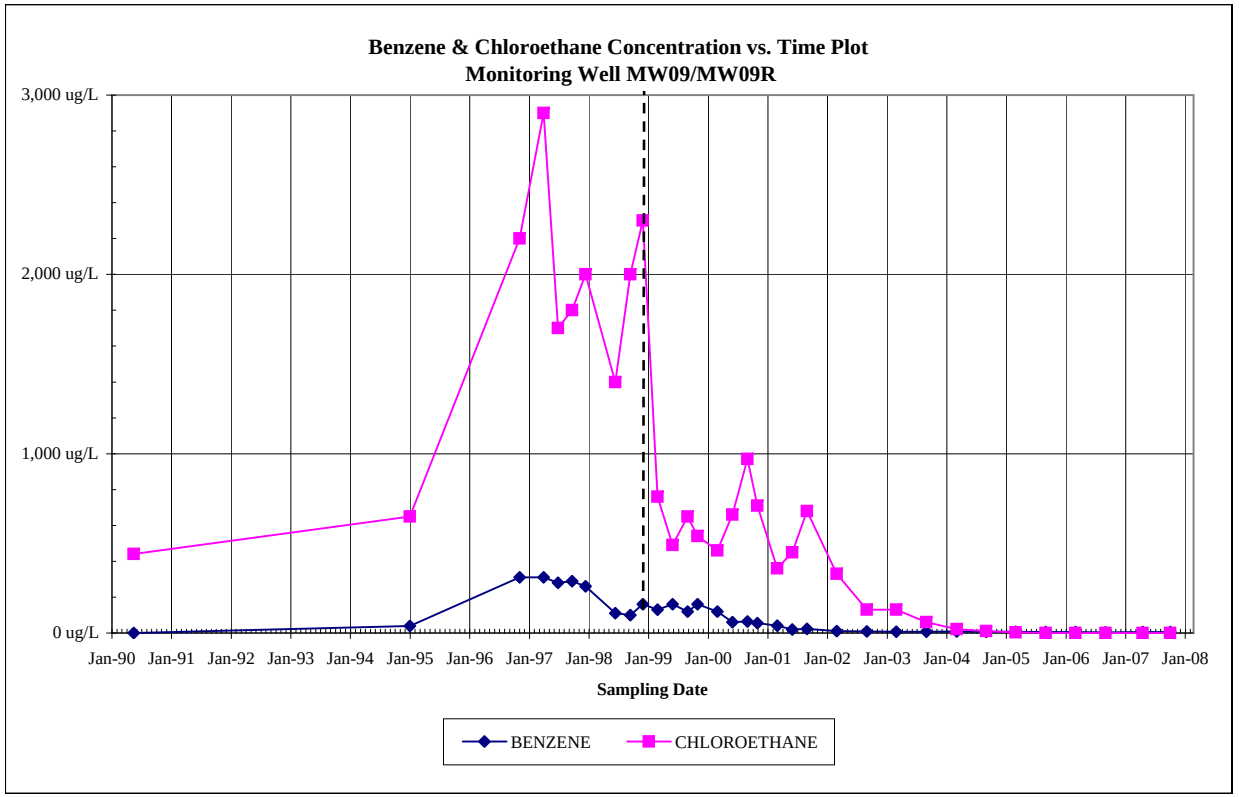
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW09/MW09R

DATE	BENZENE	CHLOROETHANE	
BASELINE	**310**	**2900**	
August-89			
May-90	BDL	440 ug/L	
January-95	40 ug/L	650 ug/L	
November-96	310 ug/L	2,200 ug/L	
April-97	310 ug/L	2,900 ug/L	
June-97	280 ug/L	1,700 ug/L	
September-97	290 ug/L	1,800 ug/L	
December-97	260 ug/L	2,000 ug/L	MW09
June-98	110 ug/L	1,400 ug/L	MW09R
September-98	100 ug/L	2,000 ug/L	
December-98	160 ug/L	2,300 ug/L	
March-99	130 ug/L	760 ug/L	
June-99	160 ug/L	490 ug/L	
September-99	120 ug/L	650 ug/L	
November-99	160 ug/L	540 ug/L	
March-00	120 ug/L	460 ug/L	
June-00	60 ug/L	660 ug/L	
September-00	65 ug/L	970 ug/L	
November-00	55 ug/L	710 ug/L	
March-01	41 ug/L	360 ug/L	
June-01	19 ug/L	450 ug/L	
September-01	23 ug/L	680 ug/L	
March-02	11 ug/L	330 ug/L	
September-02	9 ug/L	130 ug/L	
March-03	8 ug/L	130 ug/L	
September-03	6.6 ug/L	61 ug/L	
March-04	8.3 ug/L	22 ug/L	
September-04	6.5 ug/L	11 ug/L	
March-05	6.8 ug/L	3.8 ug/L	
September-05	6.2 ug/L	BDL	
March-06	5.5 ug/L	BDL	
September-06	4.4 ug/L	BDL	
April-07	4.7 ug/L	BDL	
October-07	4.9 ug/L	BDL	

BDL = Below the Detection Limit

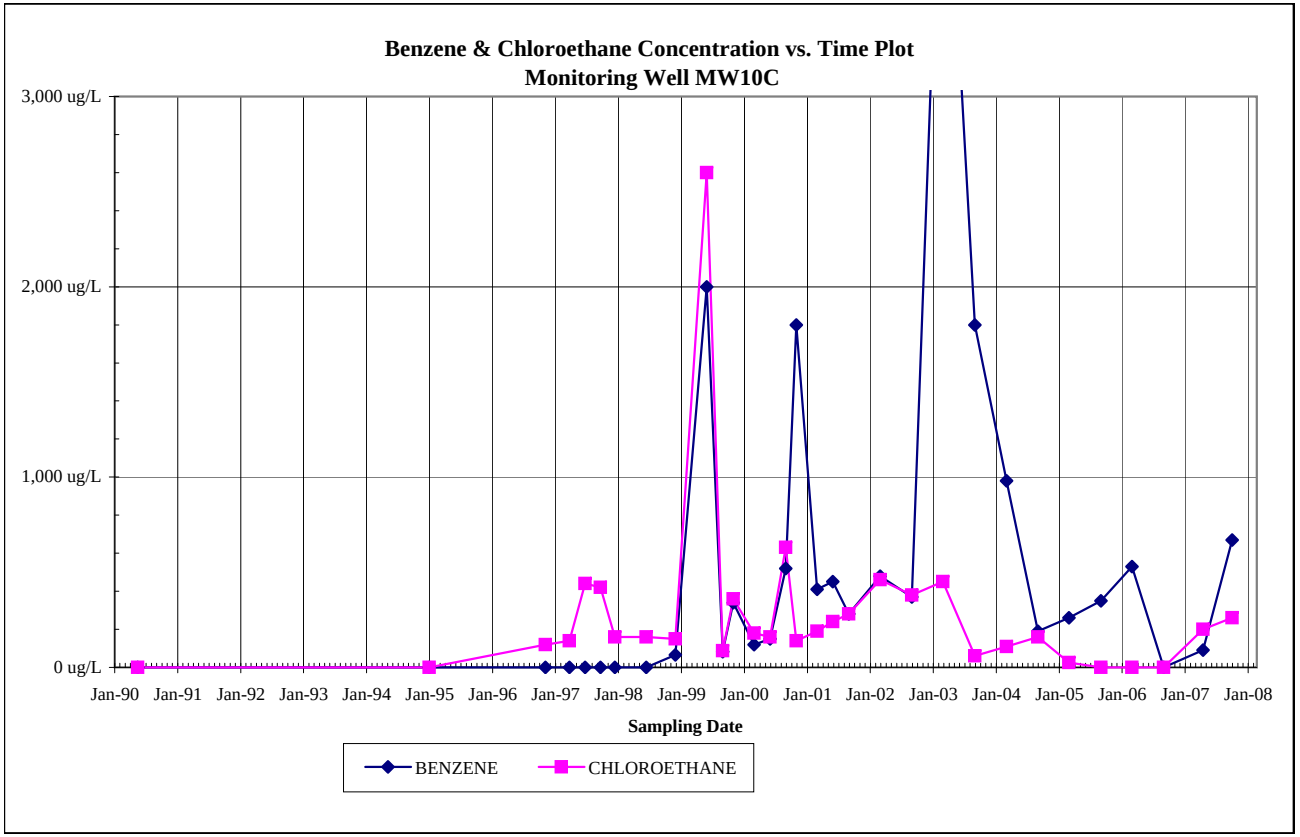


Line indicates change to replacement well

Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW10C

DATE	BENZENE	CHLOROETHANE
BASELINE	**150**	**420**
August-89		
May-90	BDL	BDL
January-95	BDL	BDL
November-96	BDL	120 ug/L
March-97	BDL	140 ug/L
June-97	BDL	440 ug/L
September-97	BDL	420 ug/L
December-97	BDL	160 ug/L
June-98	BDL	160 ug/L
December-98	66 ug/L	150 ug/L
June-99	2,000 ug/L	2,600 ug/L
September-99	83 ug/L	88 ug/L
November-99	340 ug/L	360 ug/L
March-00	120 ug/L	180 ug/L
June-00	150 ug/L	160 ug/L
September-00	520 ug/L	630 ug/L
November-00	1,800 ug/L	140 ug/L
March-01	410 ug/L	190 ug/L
June-01	450 ug/L	240 ug/L
September-01	280 ug/L	280 ug/L
March-02	480 ug/L	460 ug/L
September-02	370 ug/L	380 ug/L
March-03	4,800 ug/L	450 ug/L
September-03	1,800 ug/L	60 ug/L
March-04	980 ug/L	110 ug/L
September-04	190 ug/L	160 ug/L
March-05	260 ug/L	25 ug/L
September-05	350 ug/L	BDL
March-06	530 ug/L	BDL
September-06	NS	NS
April-07	90 ug/L	200 ug/L
October-07	670 ug/L	260 ug/L

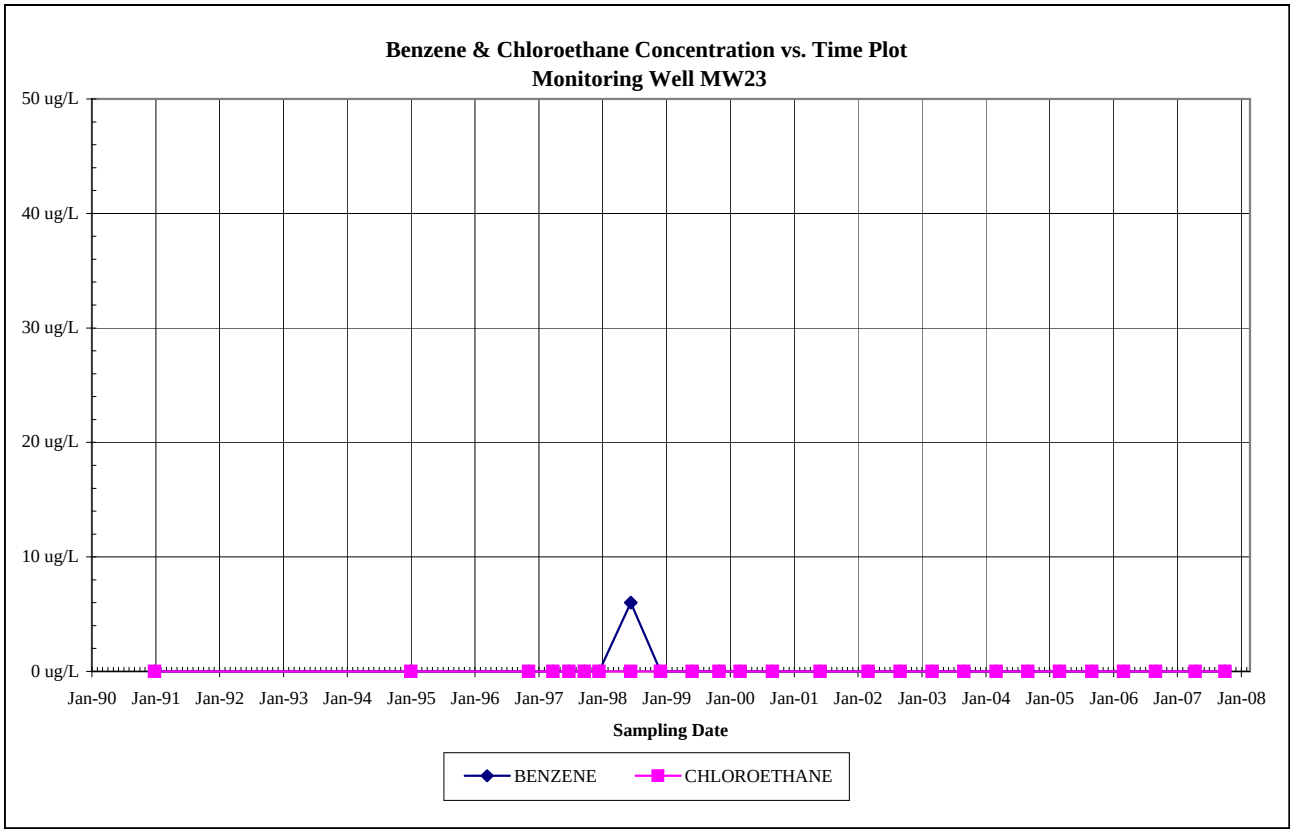
BDL = Below the Detection Limit NS = Not Sampled



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW23

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
January-91	BDL	BDL
January-95	BDL	BDL
November-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	6 ug/L	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL
September-06	BDL	BDL
April-07	BDL	BDL
October-07	BDL	BDL

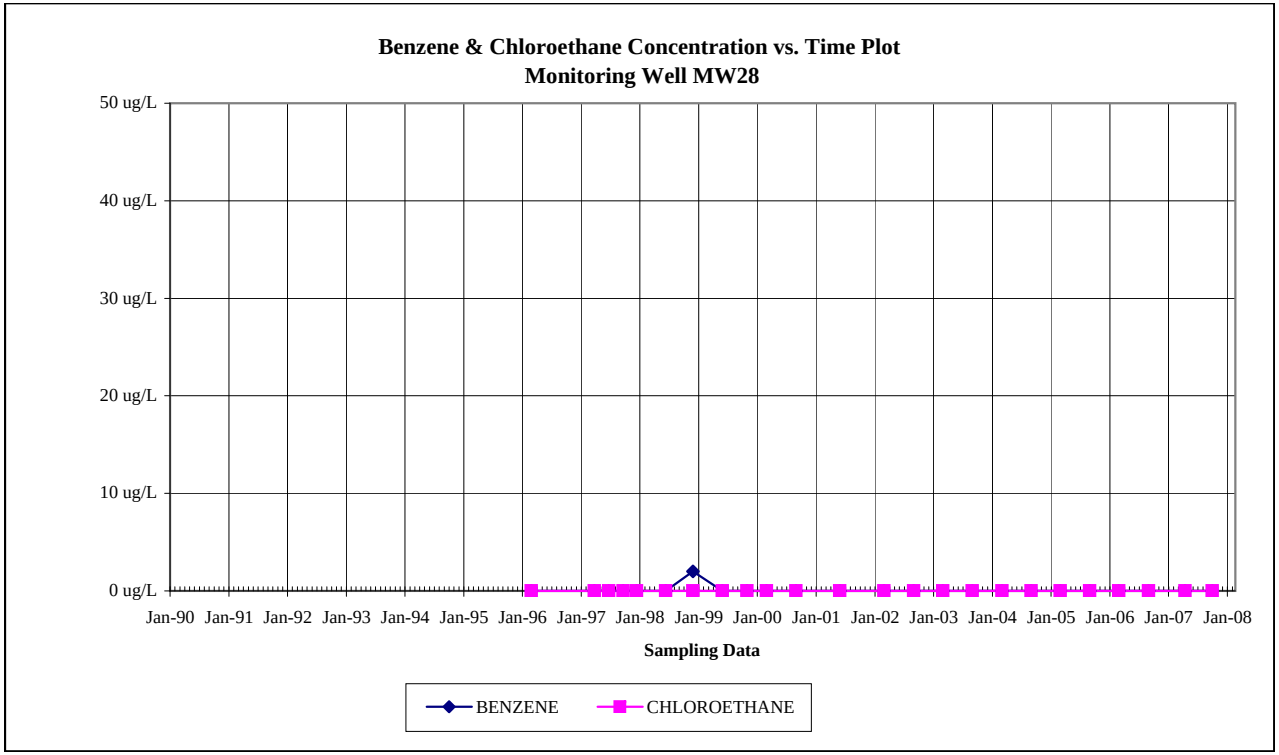
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW28

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90		
January-95		
March-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	2 ug/L	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL
September-06	BDL	BDL
April-07	BDL	BDL
October-07	BDL	BDL

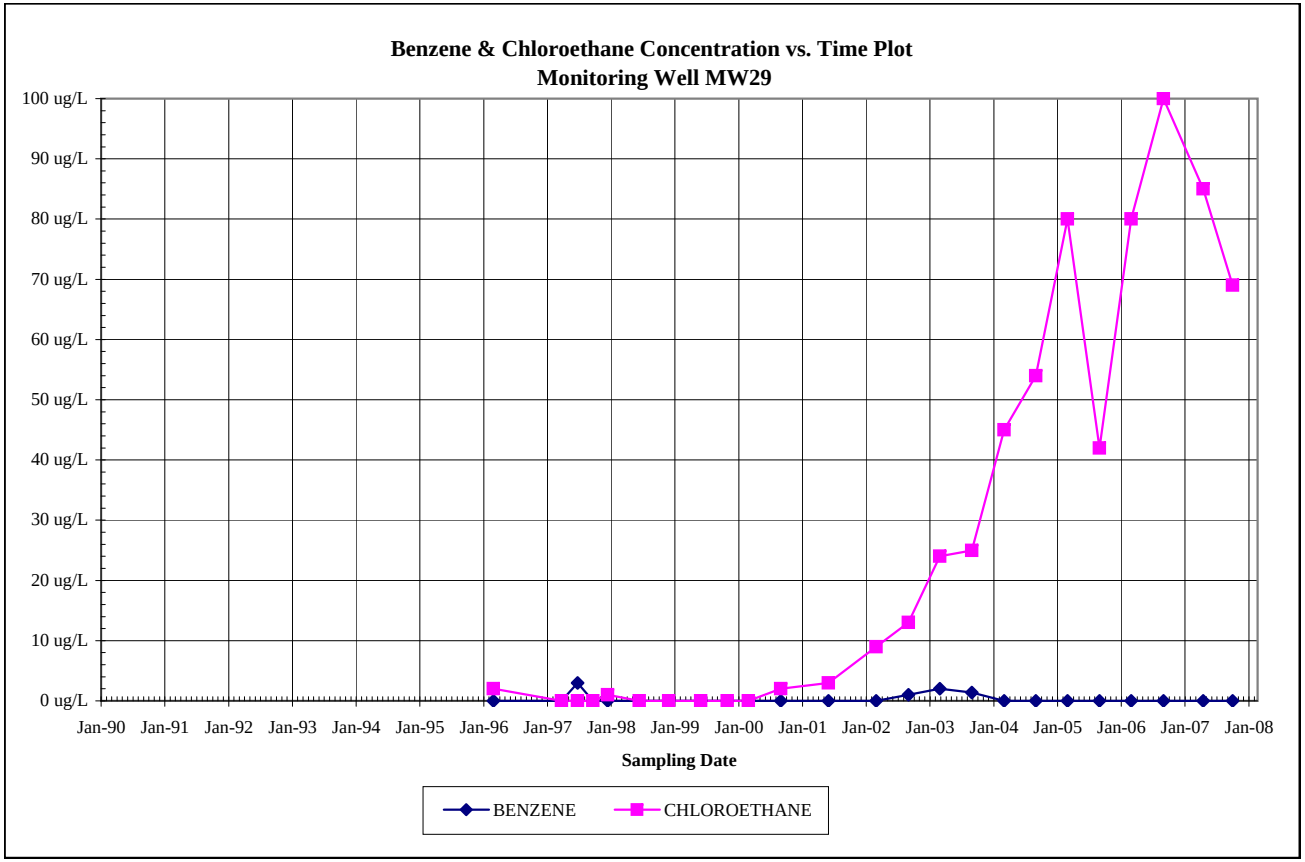
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW29

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90		
January-95		
March-96	BDL	2 ug/L
March-97	BDL	BDL
June-97	3 ug/L	BDL
September-97	BDL	BDL
December-97	BDL	1 ug/L
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	2 ug/L
June-01	BDL	3 ug/L
March-02	BDL	9 ug/L
September-02	1 ug/L	13 ug/L
March-03	2 ug/L	24 ug/L
September-03	1.4 ug/L	25 ug/L
March-04	BDL	45 ug/L
September-04	BDL	54 ug/L
March-05	BDL	80 ug/L
September-05	BDL	42 ug/L
March-06	BDL	80 ug/L
September-06	BDL	100 ug/L
April-07	BDL	85 ug/L
October-07	BDL	69 ug/L

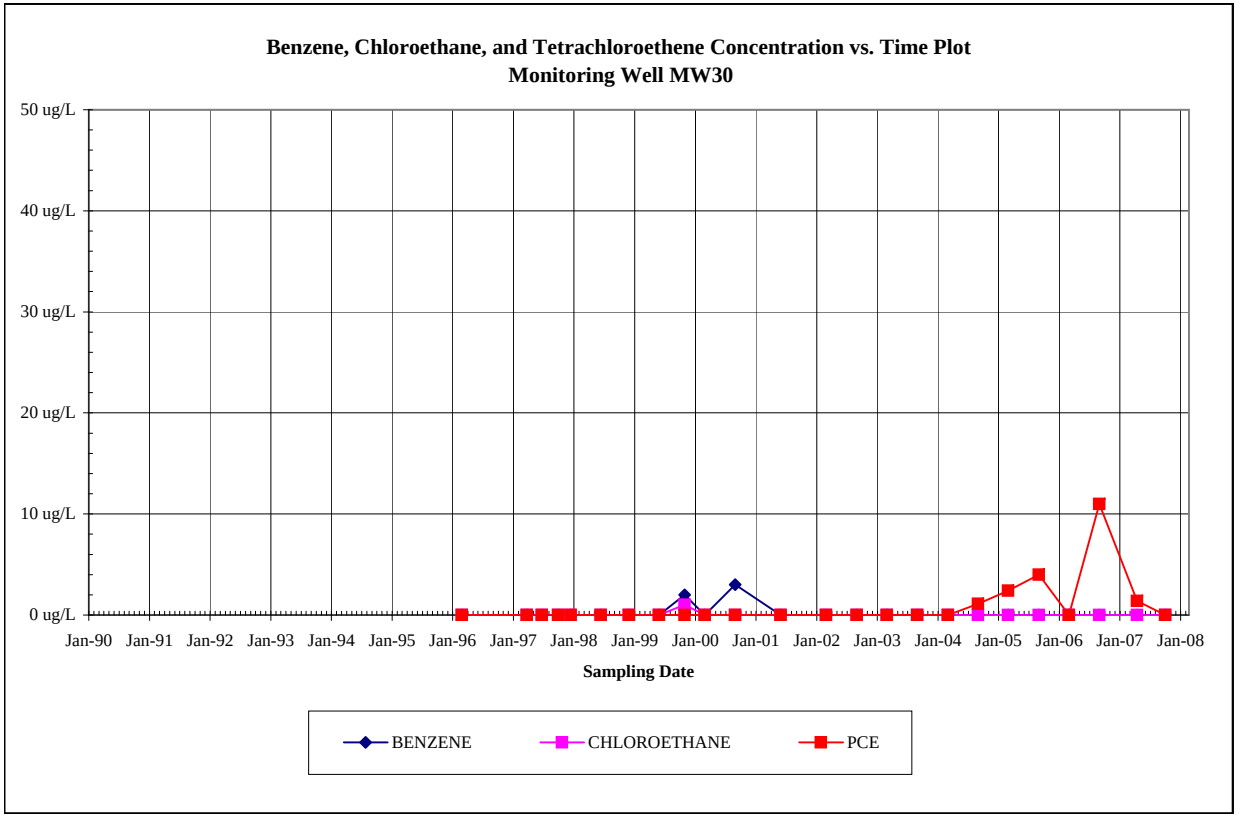
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW30

DATE	BENZENE	CHLOROETHANE	PCE
BASELINE	**10**	**10**	**10**
August-89			
May-90			
January-95			
March-96	BDL	BDL	BDL
March-97	BDL	BDL	BDL
June-97	BDL	BDL	BDL
October-97	BDL	BDL	BDL
December-97	BDL	BDL	BDL
June-98	BDL	BDL	BDL
December-98	BDL	BDL	BDL
June-99	BDL	BDL	BDL
November-99	2 ug/L	1 ug/L	BDL
March-00	BDL	BDL	BDL
September-00	3 ug/L	BDL	BDL
June-01	BDL	BDL	BDL
March-02	BDL	BDL	BDL
September-02	BDL	BDL	BDL
March-03	BDL	BDL	BDL
September-03	BDL	BDL	BDL
March-04	BDL	BDL	BDL
September-04	BDL	BDL	1.1 ug/L
March-05	BDL	BDL	2.4 ug/L
September-05	BDL	BDL	4.0 ug/L
March-06	BDL	BDL	BDL
September-06	BDL	BDL	11.0 ug/L
April-07	BDL	BDL	1.4 ug/L
October-07	BDL	BDL	BDL

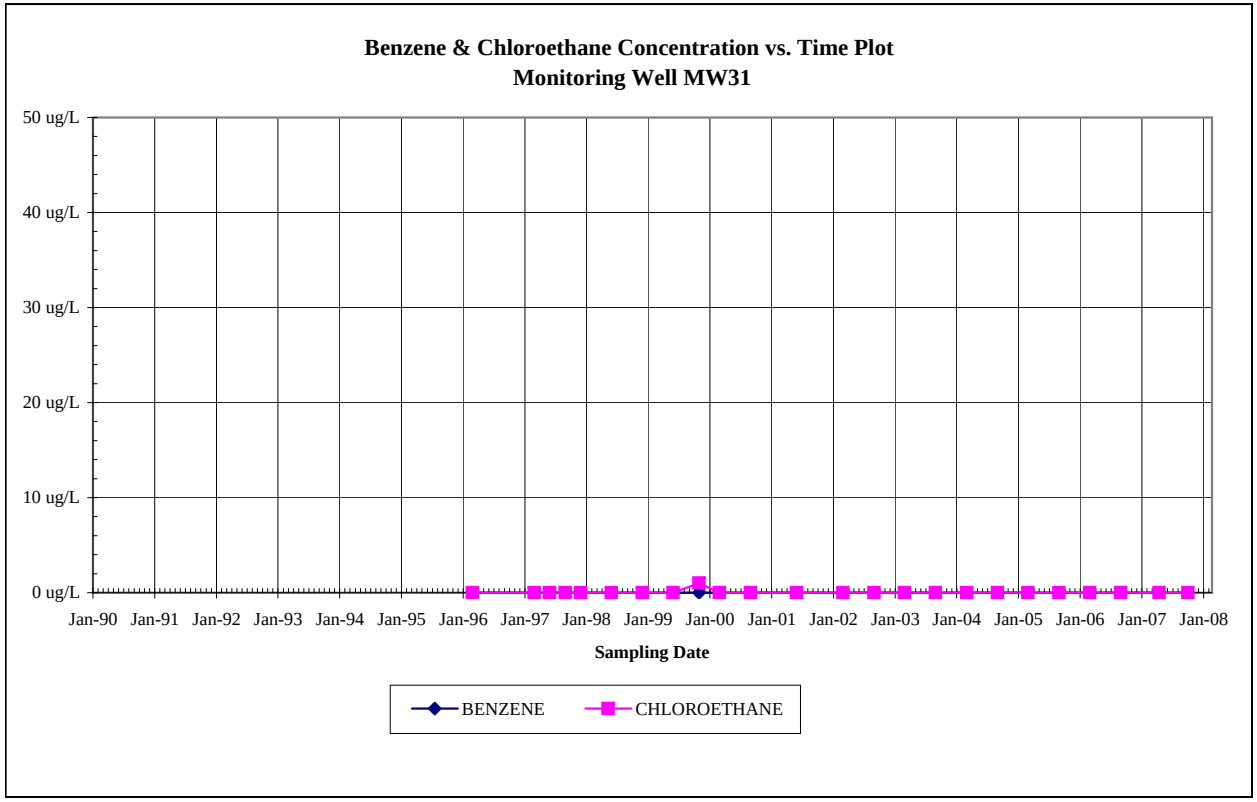
BDL = Below the Detection Limit
PCE = Tetrachloroethene



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW31

DATE	BENZENE	CHLOROETHANE
BASELINE	10	10
August-89		
May-90		
January-95		
March-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	1 ug/L
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL
September-06	BDL	BDL
April-07	BDL	BDL
October-07	BDL	BDL

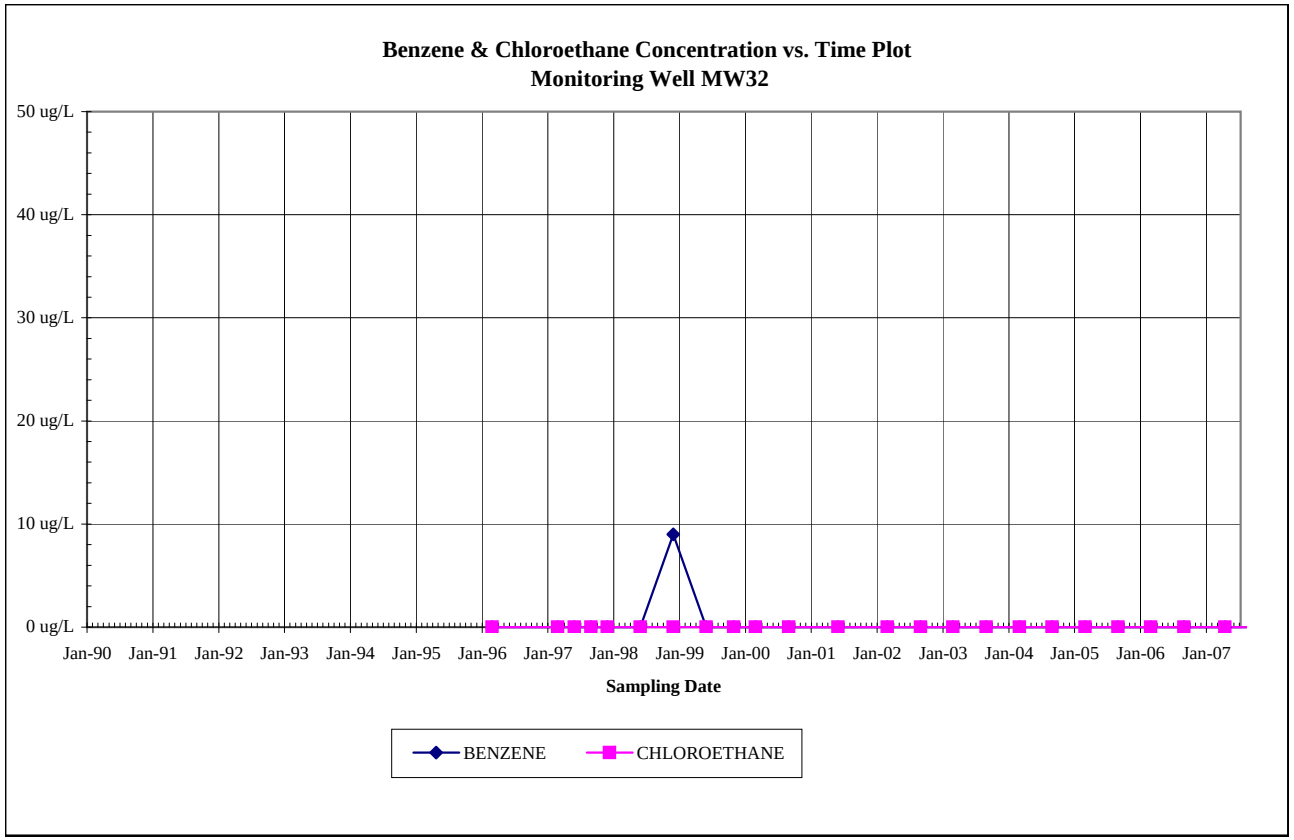
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW32

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90		
January-95		
March-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	9 ug/L	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL
September-06	BDL	BDL
April-07	BDL	BDL
October-07	BDL	BDL

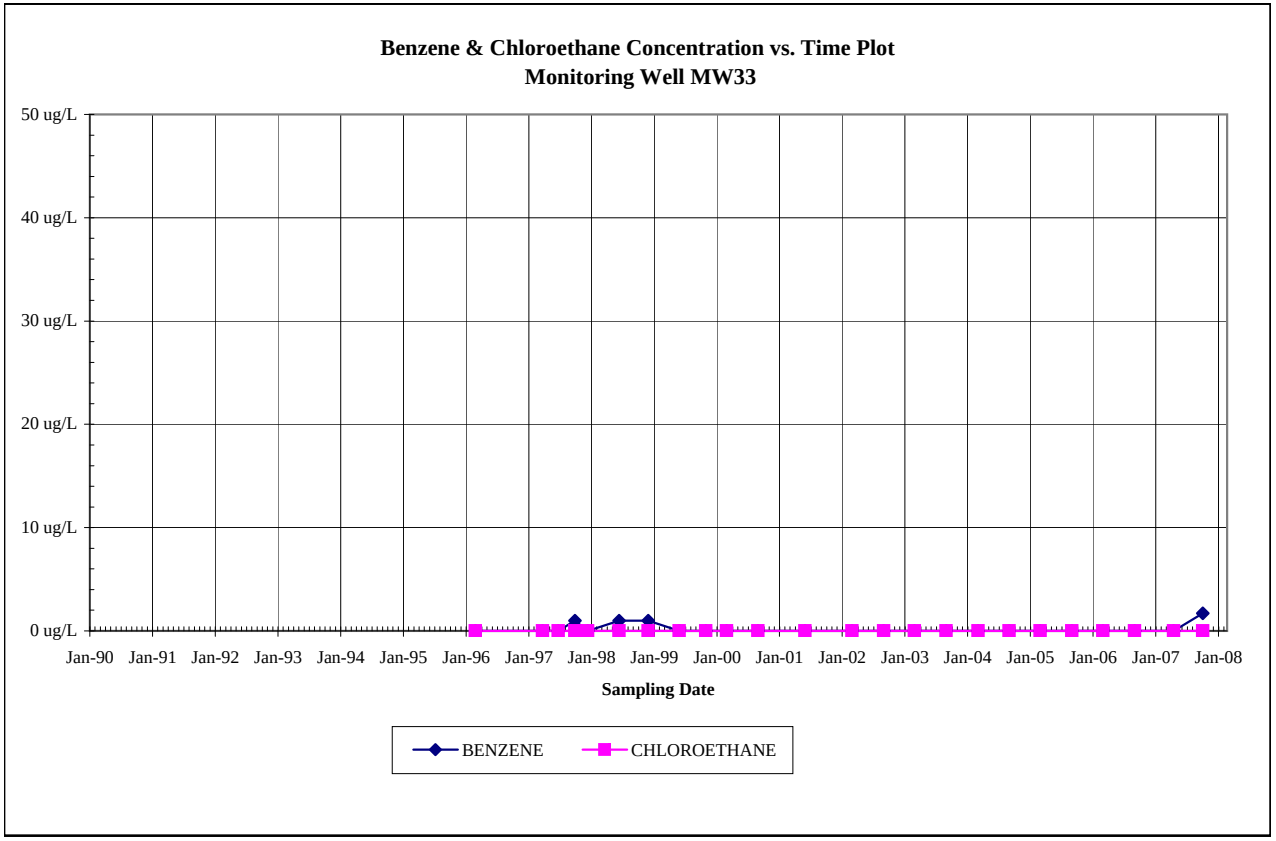
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW33

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90		
January-95		
March-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
October-97	1 ug/L	BDL
December-97	BDL	BDL
June-98	1 ug/L	BDL
December-98	1 ug/L	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL
September-06	BDL	BDL
April-07	BDL	BDL
October-07	1.7 ug/L	BDL

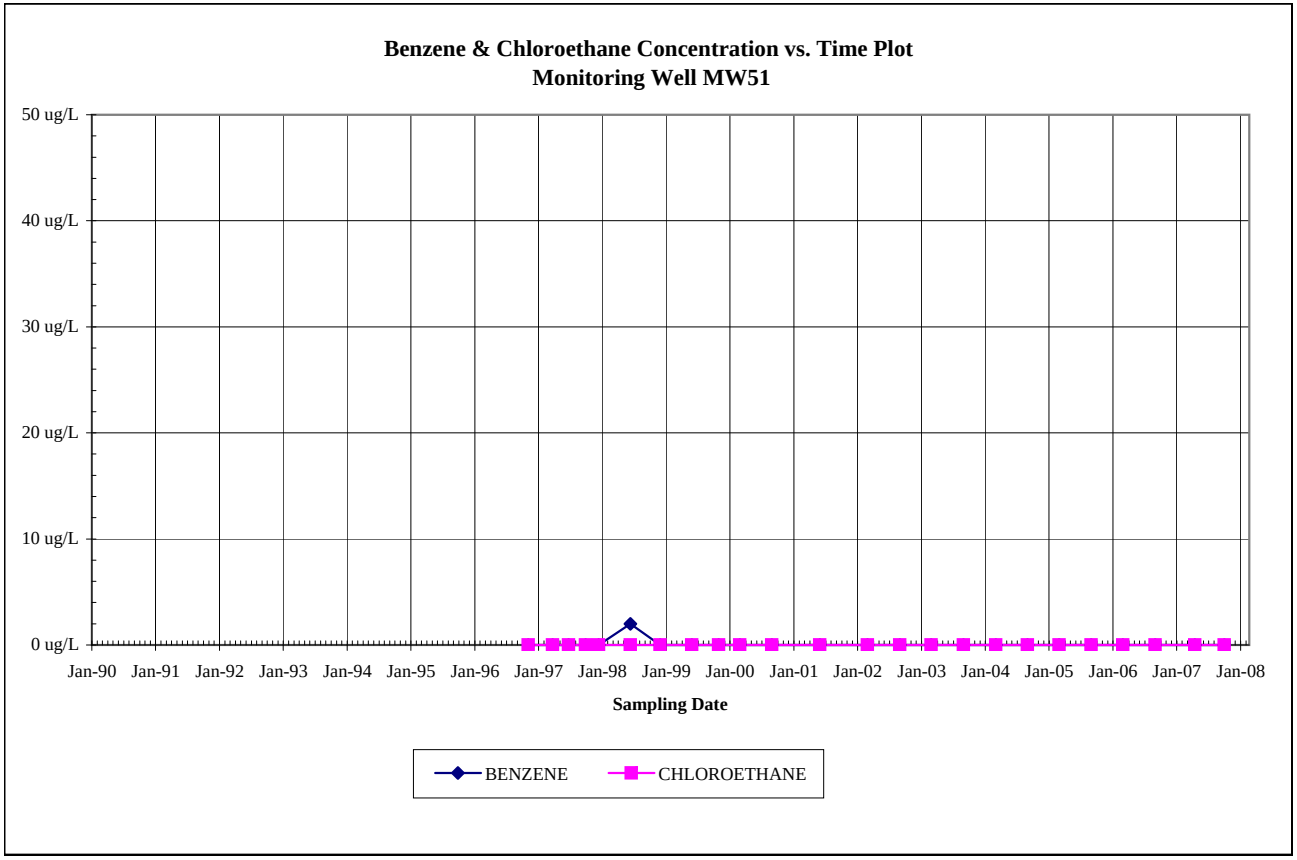
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW51

DATE	BENZENE	CHLOROETHANE
BASELINE	**100**	**100**
August-89		
May-90		
January-95		
November-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
October-97	BDL	BDL
December-97	BDL	BDL
June-98	2 ug/L	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL
September-06	BDL	BDL
April-07	BDL	BDL
October-07	BDL	BDL

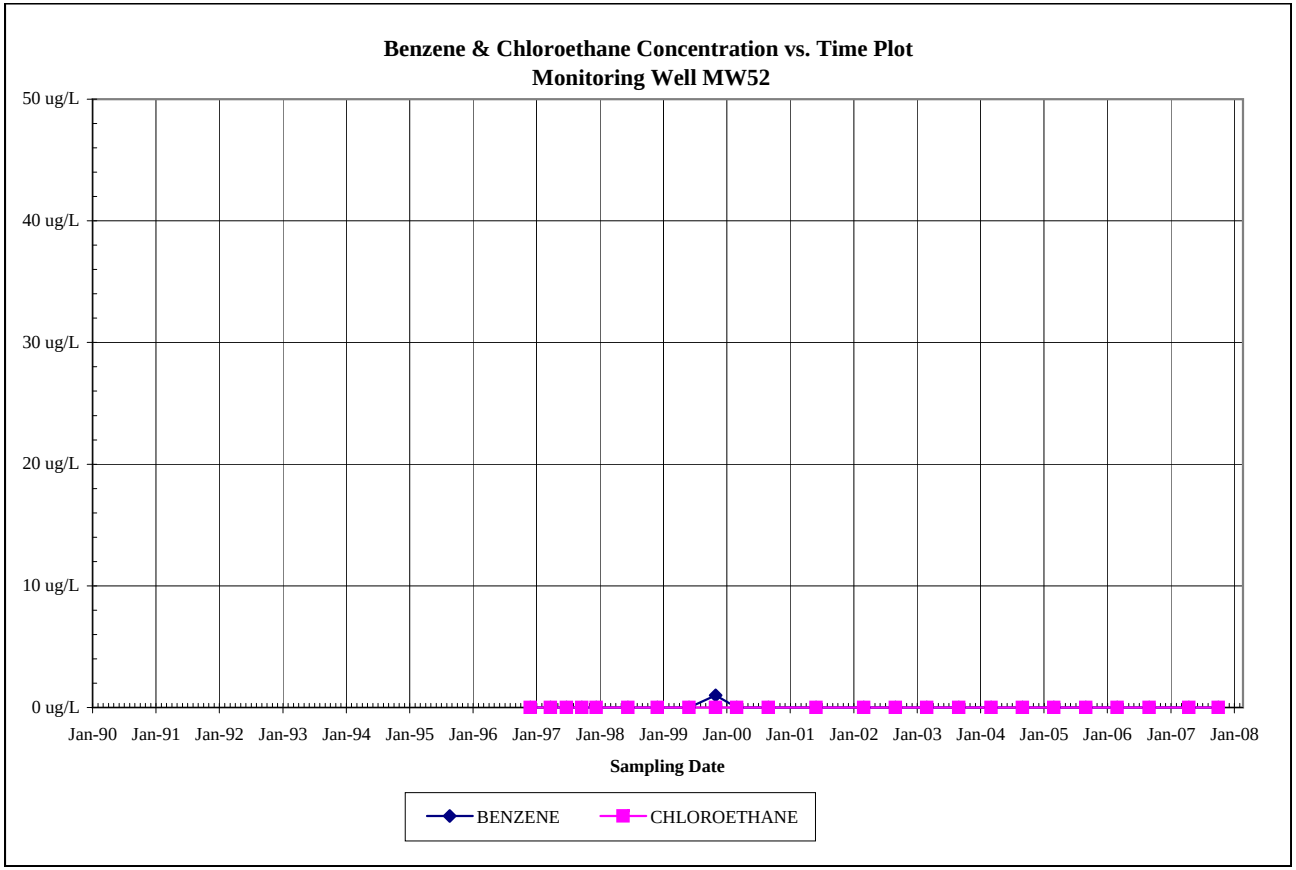
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW52

DATE	BENZENE	CHLOROETHANE
BASELINE	**100**	**100**
August-89		
May-90		
January-95		
December-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	1 ug/L	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL
September-06	BDL	BDL
April-07	BDL	BDL
October-07	BDL	BDL

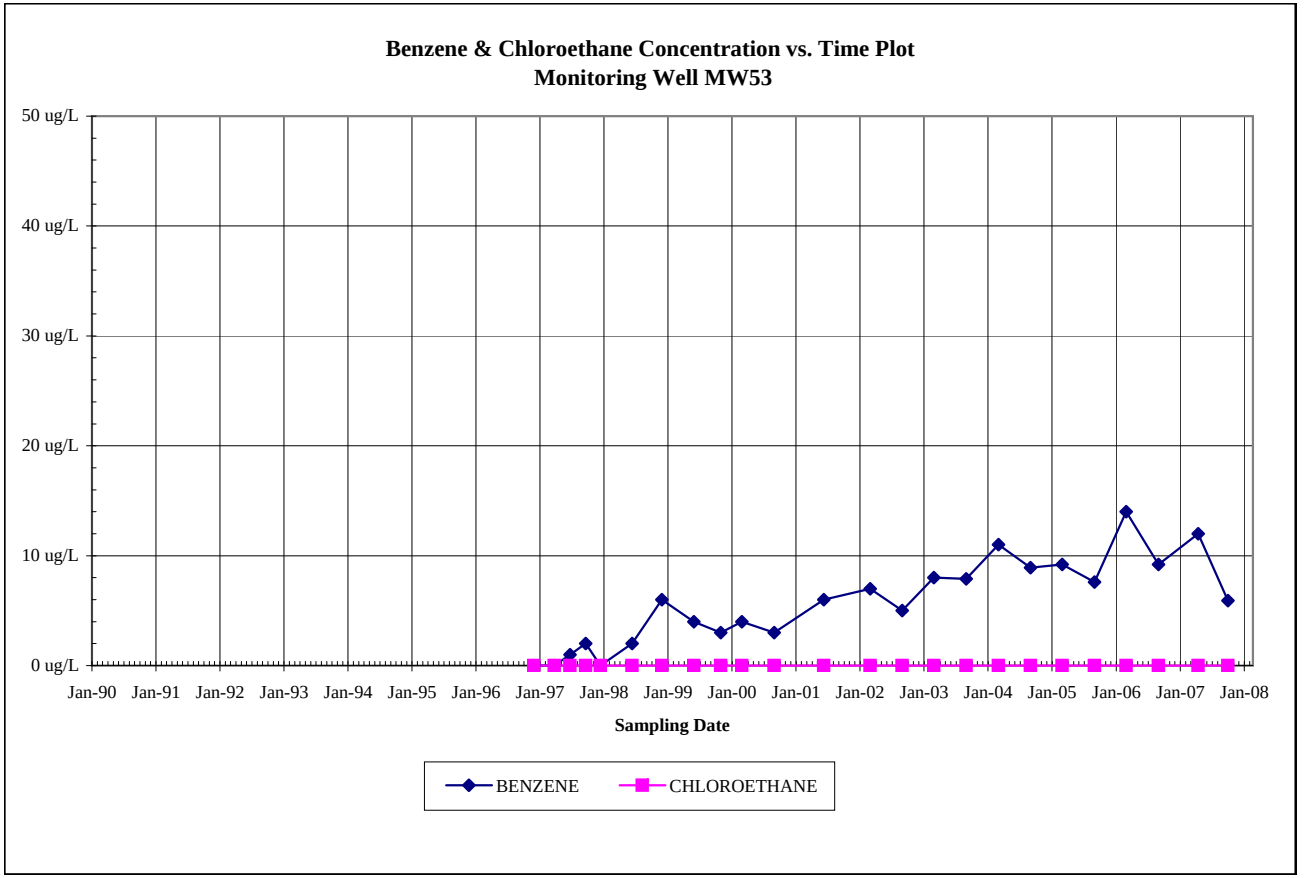
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW53

DATE	BENZENE	CHLOROETHANE
BASELINE	10	10
August-89		
May-90		
January-95		
December-96	BDL	BDL
March-97	BDL	BDL
June-97	1 ug/L	BDL
September-97	2 ug/L	BDL
December-97	BDL	BDL
June-98	2 ug/L	BDL
December-98	6 ug/L	BDL
June-99	4 ug/L	BDL
November-99	3 ug/L	BDL
March-00	4 ug/L	BDL
September-00	3 ug/L	BDL
June-01	6 ug/L	BDL
March-02	7 ug/L	BDL
September-02	5 ug/L	BDL
March-03	8 ug/L	BDL
September-03	7.9 ug/L	BDL
March-04	11 ug/L	BDL
September-04	8.9 ug/L	BDL
March-05	9.2 ug/L	BDL
September-05	7.6 ug/L	BDL
March-06	14 ug/L	BDL
September-06	9.2 ug/L	BDL
April-07	12.0 ug/L	BDL
October-07	5.9 ug/L	BDL

BDL = Below the Detection Limit

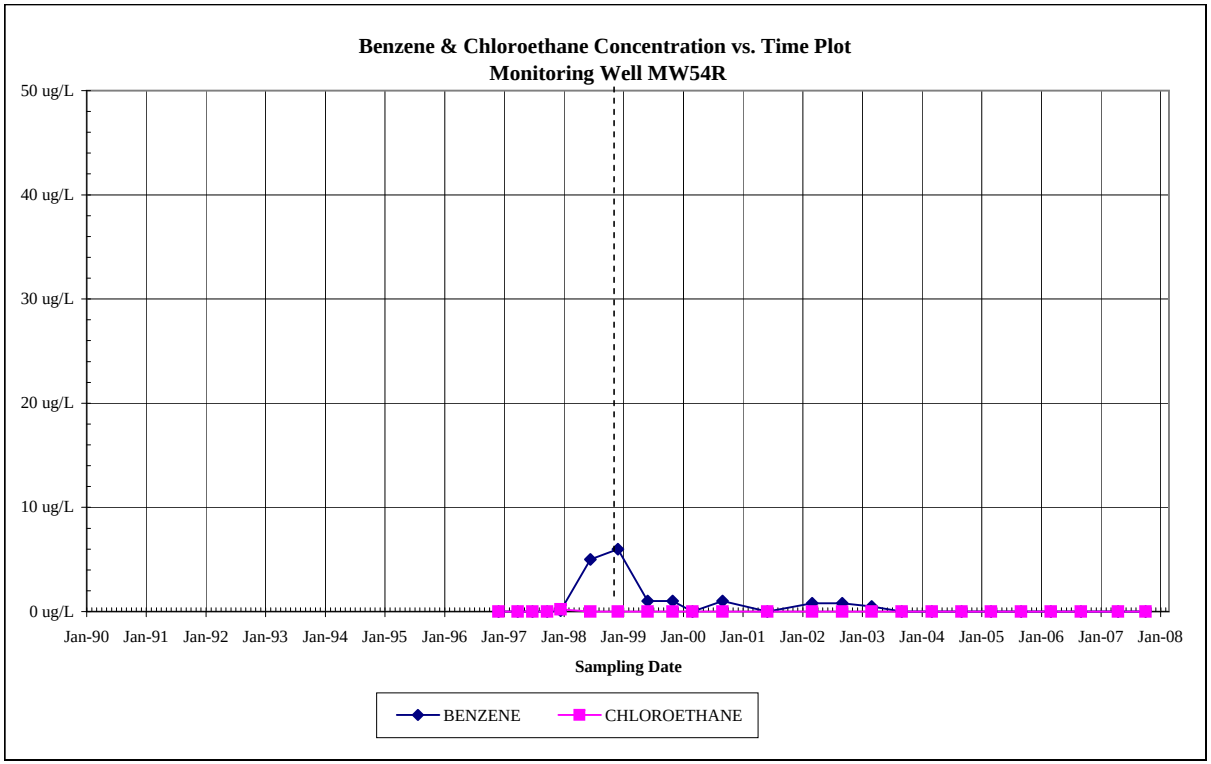


Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW54R

DATE	BENZENE	CHLOROETHANE	
BASELINE	**10**	**10**	
August-89			
May-90			
January-95			
December-96	BDL	BDL	
March-97	BDL	BDL	
June-97	BDL	BDL	
September-97	BDL	BDL	
December-97	0.1 ug/L	0.2 ug/L	
June-98	5 ug/L	BDL	<- MW54R
December-98	6 ug/L	BDL	
June-99	1 ug/L	BDL	
November-99	1 ug/L	BDL	
March-00	BDL	BDL	
September-00	1 ug/L	BDL	
June-01	BDL	BDL	
March-02	1 ug/L	BDL	
September-02	1 ug/L	BDL	
March-03	0.5 ug/L	BDL	
September-03	BDL	BDL	
March-04	BDL	BDL	
September-04	BDL	BDL	
March-05	BDL	BDL	
September-05	BDL	BDL	
March-06	BDL	BDL	
September-06	BDL	BDL	
April-07	BDL	BDL	
October-07	BDL	BDL	

BDL = Below the Detection Limit

MW54 was damaged by a vehicle and was replaced with MW54R

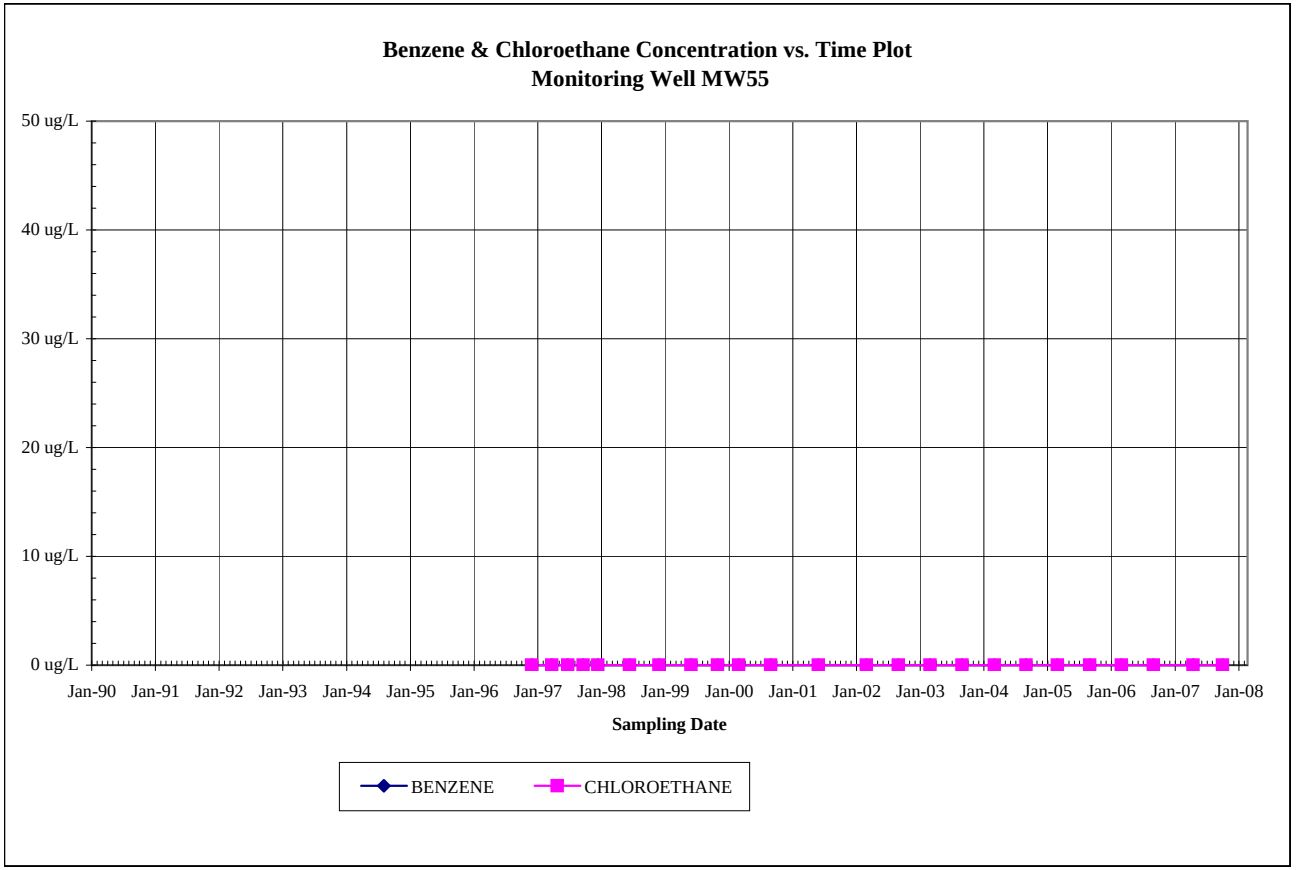


---------- Line indicates change to replacement well

Concentration vs. Time Plot for
Lower Aquifer Monitoring Well MW55

DATE	BENZENE	CHLOROETHANE
BASELINE	**10**	**10**
August-89		
May-90		
January-95		
December-96	BDL	BDL
March-97	BDL	BDL
June-97	BDL	BDL
September-97	BDL	BDL
December-97	BDL	BDL
June-98	BDL	BDL
December-98	BDL	BDL
June-99	BDL	BDL
November-99	BDL	BDL
March-00	BDL	BDL
September-00	BDL	BDL
June-01	BDL	BDL
March-02	BDL	BDL
September-02	BDL	BDL
March-03	BDL	BDL
September-03	BDL	BDL
March-04	BDL	BDL
September-04	BDL	BDL
March-05	BDL	BDL
September-05	BDL	BDL
March-06	BDL	BDL
September-06	BDL	BDL
April-07	BDL	BDL
October-07	BDL	BDL

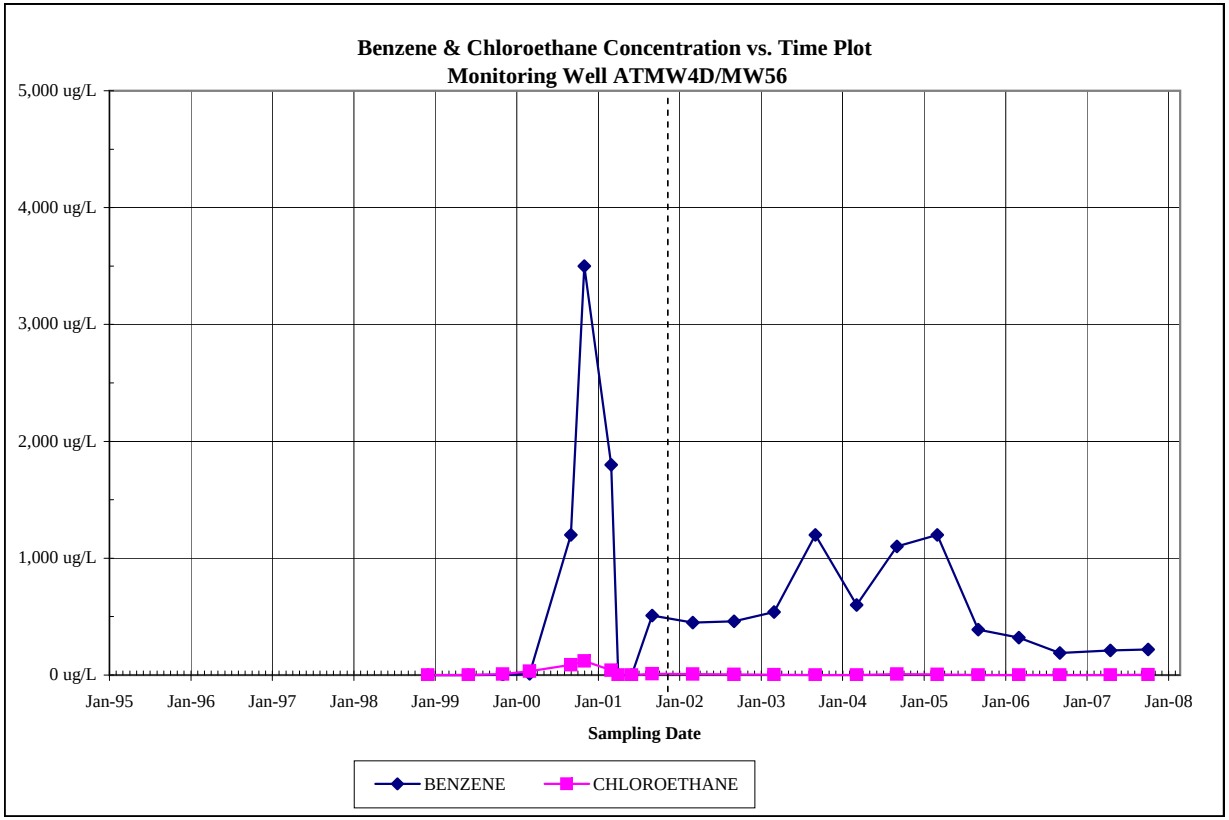
BDL = Below the Detection Limit



Concentration vs. Time Plot for
Lower Aquifer Monitoring Well ATMW4D-MW56

DATE	BENZENE	CHLOROETHANE	
BASELINE	-	-	
December-98	BDL	BDL	
June-99	BDL	BDL	
November-99	3 ug/L	9 ug/L	
March-00	12 ug/L	34 ug/L	
September-00	1,200 ug/L	88 ug/L	
November-00	3,500 ug/L	120 ug/L	
March-01	1,800 ug/L	42 ug/L	ATMW4D
April-01	BDL	BDL	MW56
June-01	BDL	BDL	
September-01	510 ug/L	10 ug/L	
March-02	450 ug/L	8 ug/L	
September-02	460 ug/L	6 ug/L	
March-03	540 ug/L	4 ug/L	
September-03	1,200 ug/L	BDL	
March-04	600 ug/L	BDL	
September-04	1,100 ug/L	7 ug/L	
March-05	1,200 ug/L	6.4 ug/L	
September-05	390 ug/L	BDL	
March-06	320 ug/L	BDL	
September-06	190 ug/L	BDL	
April-07	210 ug/L	BDL	
October-07	220 ug/L	1.8 ug/L	

BDL = Below the Detection Limit



---------- Line indicates change to replacement well

Appendix C

Laboratory Analytical Reports and Data Validation Narratives

Monitoring Well Results

Sample Delivery Group (SDG) ME0710076 – VOCs
SDG ME0710172 – VOCs
SDG ME0710258 – VOCS

Data Validation Narrative – VOCs

Precision, Accuracy, Representativeness, Comparability, Completeness (PARCC) Review

Residential Well Results

SDG ME0710178 – VOCs, SVOCs, PCB/Pesticides, Inorganics, and Cyanide

Data Validation Narrative – Form 1s

Data Validation Narrative – VOCs

Data Validation Narrative – SVOCs

Data Validation Narrative – PCB/Pesticides

Data Validation Narrative – Metals

Data Validation Narrative – Cyanide

PARCC Review

Microbac

LEVEL IV
QA/QC DATA PACKAGE

CLIENT:	MWH, Inc.
PROJECT:	GW - SemiAnnual / ACS
LAB WORKORDER:	ME0710076
DATE PACKAGE ISSUED:	11/13/07

TABLE OF CONTENTS

CLIENT: **MWH, Inc.**

PROJECT: **GW - SemiAnnual / ACS**

LAB WORKORDER: **ME0710076**

CHAIN-OF-CUSTODY: **79325**

CONTENTS:	Page		Page
Table of Contents	2	to	2
Case Narrative(s)	3	to	4
Analytical Report	5	to	25
Cooler Inspection	26	to	26
Chain(s) of Custody	27	to	27
Quality Control Summary	28	to	37
VOA GC/MS:			
Method Blank Raw Data	38	to	43
Laboratory Control Sample Raw Data	44	to	50
Matrix Spike/Matrix Spike Duplicate Raw Data	51	to	65
Tune Raw Data	66	to	71
Initial Calibration Raw Data	72	to	95
Continuing Calibration Raw Data	96	to	116
Sample Raw Data	117	to	139
Injection Log(s)	140	to	142

Case Narrative
VOA Analysis

Client: MWH, Inc.

Project: GW - SemiAnnual / ACS

Laboratory #: ME0710076

Nine groundwater samples were received on 10/02/07 for analysis and reporting in accordance with our Level IV protocol. The samples were received in acceptable physical condition. The samples were analyzed for Volatile Organic Analytes using SW-846 Method 8260B. To achieve lower reporting limits these samples were analyzed using a 25-ml sample size.

The samples were collected on 10/01/07. The samples were analyzed on 10/09/07 and 10/10/07. All samples were analyzed within the prescribed maximum allowable holding time without exception.

The required instrument calibration was performed and the acceptance criteria met with the following listed exception. The grand mean average approach was used to assess linearity.

- Bromoform failed to meet the minimum average response criteria. This criterion is based on a 5-ml sample size. These standards were analyzed using a 25-ml purge volume. This data is typical for a 25-ml purge and considered acceptable.

Prior to analysis, the resultant mass spectra for BFB met all method criteria, and all samples were analyzed within 12-hour analytical sequences.

Prior to analysis, a CCV standard was analyzed and the acceptance criteria met for all CCCs and SPCCs with the following exceptions.

- Bromoform failed to meet the minimum response criteria in B100902A, B100918, B101002 and B101019. This criterion is based on a 5-ml sample size. These standards were analyzed using a 25-ml purge volume. This data is typical for a 25-ml purge and considered acceptable.

The batch quality control tests were performed and the acceptance criteria met without exception.

Surrogate compounds are spiked into each sample to evaluate analysis efficiency. All samples yielded acceptable surrogate recovery.

Internal standards are spiked into each CCV standard and environmental sample. All internal standard responses met the criteria established for the CCVs. The internal standard responses in the environmental samples were evaluated and deemed adequate.

Case Narrative
VOA Analysis

Client: MWH, Inc.

Project: GW - SemiAnnual / ACS

Laboratory #: ME0710076

Matrix evaluation was performed on the following client-submitted samples. The accuracy and precision criteria were met as noted.

SAMPLE ID	QC TYPE	EVALUATION
ACS-GW-MW17-30	MS/MSD	Accuracy and precision criteria met without exception.

This Case Narrative was prepared by Allyl McCarron, QC Assistant.

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Revised
11/05/07

November 05, 2007

Christopher Daly
MWH, Inc.
175 West Jackson Boulevard, Suite 1900
Chicago, IL 60604

Work Order No.: ME0710076

RE: GW - SemiAnnual / ACS

Dear Christopher Daly:

Microbac Laboratories, Inc. received 9 samples on 10/2/2007 10:40:00 AM for the analyses presented in the following report.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,
Microbac Laboratories, Inc.

Ronald J. Misiunas
Client Services Manager

Enclosures

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Revised
11/05/07

WORK ORDER SAMPLE SUMMARY

Date: *Monday, November 05, 2007*

CLIENT: MWH, Inc.
Project: GW - SemiAnnual / ACS
Lab Order: ME0710076

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
ME0710076-01A	ACS-GW-TB01-30		10/1/2007 9:00:00 AM	10/2/2007
ME0710076-02A	ACS-GW-Dup01-30		10/1/2007 10:00:00 AM	10/2/2007
ME0710076-03A	ACS-GW-MW58-30		10/1/2007 11:20:00 AM	10/2/2007
ME0710076-04A	ACS-GW-MW59-30		10/1/2007 12:00:00 PM	10/2/2007
ME0710076-05A	ACS-GW-MW17-30		10/1/2007 2:30:00 PM	10/2/2007
ME0710076-06A	ACS-GW-MW28-30		10/1/2007 2:55:00 PM	10/2/2007
ME0710076-07A	ACS-GW-MW56-30		10/1/2007 4:45:00 PM	10/2/2007
ME0710076-08A	ACS-GW-EB01-30		10/1/2007 5:00:00 PM	10/2/2007
ME0710076-09A	ACS-GW-MW11-30		10/1/2007 5:05:00 PM	10/2/2007

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11/05/07

ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-TB01-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710076-01
Collection Date: 10/01/07 09:00
Date Received: 10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Acetone	A	***0.0022***	0.0020	0.050	J	mg/L	1	10/09/07 19:56
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 19:56
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/09/07 19:56
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 19:56
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/09/07 19:56
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/09/07 19:56
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/09/07 19:56
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 19:56
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 19:56
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/09/07 19:56
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 19:56
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/09/07 19:56
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/09/07 19:56
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 19:56
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 19:56
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 19:56
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 19:56
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 19:56
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 19:56
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/09/07 19:56
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 19:56
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 19:56
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/09/07 19:56
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/09/07 19:56
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/09/07 19:56
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 19:56
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 19:56
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 19:56
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 19:56
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 19:56
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 19:56
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 19:56
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/09/07 19:56
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 19:56
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 19:56
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 19:56
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 19:56
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 19:56
Surr: 4-Bromofluorobenzene	S	88.1	0	74.3-123		%REC	1	10/09/07 19:56

250 West 84th Drive, Merrillville, IN 46410 TEL.800.536.8379 TEL.219.769.8378 FAX.219.769.1664

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Revised
11/05/07

ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-TB01-30	**Work Order / ID:**	ME0710076-01
Sample Description:		**Collection Date:**	10/01/07 09:00
Sample Matrix:	Aqueous	**Date Received:**	10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	104	0	84.9-118		%REC	1	10/09/07 19:56
Surr: 1,2-Dichloroethane-d4	S	107	0	77.9-126		%REC	1	10/09/07 19:56
Surr: Toluene-d8	S	98.4	0	80.8-118		%REC	1	10/09/07 19:56

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Revised
11/05/07

ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-Dup01-30	**Work Order / ID:**	ME0710076-02
Sample Description:		**Collection Date:**	10/01/07 10:00
Sample Matrix:	Aqueous	**Date Received:**	10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:			Analyst:	**NLT**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/09/07 20:28
Benzene	A	***0.22***	0.0030	0.050		mg/L	10	10/10/07 13:43
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/09/07 20:28
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 20:28
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/09/07 20:28
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/09/07 20:28
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/09/07 20:28
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 20:28
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 20:28
Chloroethane	A	***0.0019***	0.00080	0.010	J	mg/L	1	10/09/07 20:28
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 20:28
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/09/07 20:28
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/09/07 20:28
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 20:28
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 20:28
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 20:28
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 20:28
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 20:28
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 20:28
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/09/07 20:28
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 20:28
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 20:28
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/09/07 20:28
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/09/07 20:28
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/09/07 20:28
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 20:28
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 20:28
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 20:28
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 20:28
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 20:28
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 20:28
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 20:28
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/09/07 20:28
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 20:28
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 20:28
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 20:28
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 20:28
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 20:28
Surr: 4-Bromofluorobenzene	S	90.0	0	74.3-123		%REC	1	10/09/07 20:28

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-Dup01-30	**Work Order / ID:**	ME0710076-02
Sample Description:		**Collection Date:**	10/01/07 10:00
Sample Matrix:	Aqueous	**Date Received:**	10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	101	0	84.9-118		%REC	1	10/09/07 20:28
Surr: 1,2-Dichloroethane-d4	S	102	0	77.9-126		%REC	1	10/09/07 20:28
Surr: Toluene-d8	S	98.4	0	80.8-118		%REC	1	10/09/07 20:28

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW58-30	**Work Order / ID:**	ME0710076-03
Sample Description:		**Collection Date:**	10/01/07 11:20
Sample Matrix:	Aqueous	**Date Received:**	10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**			Prep Date/Time:			Analyst: **NLT**
Acetone	A	***0.011***	0.0020	0.050	J	mg/L	1	10/09/07 21:00
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 21:00
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/09/07 21:00
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 21:00
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/09/07 21:00
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/09/07 21:00
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/09/07 21:00
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 21:00
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 21:00
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/09/07 21:00
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 21:00
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/09/07 21:00
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/09/07 21:00
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 21:00
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 21:00
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 21:00
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 21:00
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 21:00
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 21:00
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/09/07 21:00
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 21:00
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 21:00
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/09/07 21:00
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/09/07 21:00
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/09/07 21:00
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 21:00
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 21:00
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 21:00
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 21:00
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 21:00
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 21:00
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 21:00
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/09/07 21:00
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 21:00
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 21:00
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 21:00
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 21:00
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 21:00
Surr: 4-Bromofluorobenzene	S	89.9	0	74.3-123		%REC	1	10/09/07 21:00

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW58-30	**Work Order / ID:**	ME0710076-03
Sample Description:		**Collection Date:**	10/01/07 11:20
Sample Matrix:	Aqueous	**Date Received:**	10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	103	0	84.9-118		%REC	1	10/09/07 21:00
Surr: 1,2-Dichloroethane-d4	S	104	0	77.9-126		%REC	1	10/09/07 21:00
Surr: Toluene-d8	S	98.9	0	80.8-118		%REC	1	10/09/07 21:00

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW59-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710076-04
Collection Date: 10/01/07 12:00
Date Received: 10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**			Prep Date/Time:			Analyst: **NLT**
Acetone	A	***0.0044***	0.0020	0.050	J	mg/L	1	10/09/07 21:32
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 21:32
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/09/07 21:32
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 21:32
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/09/07 21:32
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/09/07 21:32
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/09/07 21:32
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 21:32
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 21:32
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/09/07 21:32
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 21:32
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/09/07 21:32
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/09/07 21:32
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 21:32
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 21:32
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 21:32
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 21:32
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 21:32
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 21:32
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/09/07 21:32
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 21:32
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 21:32
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/09/07 21:32
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/09/07 21:32
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/09/07 21:32
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 21:32
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 21:32
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 21:32
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 21:32
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 21:32
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 21:32
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 21:32
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/09/07 21:32
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 21:32
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 21:32
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 21:32
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 21:32
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 21:32
Surr: 4-Bromofluorobenzene	S	90.5	0	74.3-123		%REC	1	10/09/07 21:32

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW59-30	**Work Order / ID:**	ME0710076-04
Sample Description:		**Collection Date:**	10/01/07 12:00
Sample Matrix:	Aqueous	**Date Received:**	10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	105	0	84.9-118		%REC	1	10/09/07 21:32
Surr: 1,2-Dichloroethane-d4	S	107	0	77.9-126		%REC	1	10/09/07 21:32
Surr: Toluene-d8	S	98.9	0	80.8-118		%REC	1	10/09/07 21:32

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW17-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710076-05
Collection Date: 10/01/07 14:30
Date Received: 10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/09/07 22:04
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 22:04
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/09/07 22:04
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 22:04
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/09/07 22:04
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/09/07 22:04
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/09/07 22:04
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 22:04
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 22:04
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/09/07 22:04
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 22:04
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/09/07 22:04
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/09/07 22:04
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 22:04
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 22:04
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 22:04
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 22:04
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 22:04
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 22:04
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/09/07 22:04
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 22:04
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 22:04
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/09/07 22:04
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/09/07 22:04
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/09/07 22:04
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 22:04
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 22:04
Tetrachloroethene	A	***0.00093***	0.00040	0.0050	J	mg/L	1	10/09/07 22:04
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 22:04
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 22:04
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 22:04
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 22:04
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/09/07 22:04
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 22:04
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 22:04
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 22:04
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 22:04
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 22:04
Surr: 4-Bromofluorobenzene	S	93.3	0	74.3-123		%REC	1	10/09/07 22:04

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW17-30	**Work Order / ID:**	ME0710076-05
Sample Description:		**Collection Date:**	10/01/07 14:30
Sample Matrix:	Aqueous	**Date Received:**	10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	106	0	84.9-118		%REC	1	10/09/07 22:04
Surr: 1,2-Dichloroethane-d4	S	108	0	77.9-126		%REC	1	10/09/07 22:04
Surr: Toluene-d8	S	97.7	0	80.8-118		%REC	1	10/09/07 22:04

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW28-30	**Work Order / ID:**	ME0710076-06
Sample Description:		**Collection Date:**	10/01/07 14:55
Sample Matrix:	Aqueous	**Date Received:**	10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/09/07 22:36
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 22:36
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/09/07 22:36
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 22:36
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/09/07 22:36
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/09/07 22:36
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/09/07 22:36
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 22:36
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 22:36
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/09/07 22:36
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 22:36
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/09/07 22:36
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/09/07 22:36
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 22:36
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 22:36
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 22:36
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 22:36
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 22:36
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 22:36
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/09/07 22:36
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 22:36
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 22:36
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/09/07 22:36
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/09/07 22:36
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/09/07 22:36
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 22:36
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 22:36
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 22:36
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 22:36
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 22:36
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 22:36
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 22:36
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/09/07 22:36
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 22:36
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 22:36
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 22:36
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 22:36
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 22:36
Surr: 4-Bromofluorobenzene	S	90.4	0	74.3-123		%REC	1	10/09/07 22:36

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW28-30	**Work Order / ID:**	ME0710076-06
Sample Description:		**Collection Date:**	10/01/07 14:55
Sample Matrix:	Aqueous	**Date Received:**	10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	104	0	84.9-118		%REC	1	10/09/07 22:36
Surr: 1,2-Dichloroethane-d4	S	107	0	77.9-126		%REC	1	10/09/07 22:36
Surr: Toluene-d8	S	98.5	0	80.8-118		%REC	1	10/09/07 22:36

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW56-30	**Work Order / ID:**	ME0710076-07
Sample Description:		**Collection Date:**	10/01/07 16:45
Sample Matrix:	Aqueous	**Date Received:**	10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:			Analyst:	**NLT**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/09/07 23:08
Benzene	A	***0.22***	0.0030	0.050		mg/L	10	10/10/07 14:15
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/09/07 23:08
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 23:08
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/09/07 23:08
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/09/07 23:08
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/09/07 23:08
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:08
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 23:08
Chloroethane	A	***0.0018***	0.00080	0.010	J	mg/L	1	10/09/07 23:08
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 23:08
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/09/07 23:08
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/09/07 23:08
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:08
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 23:08
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 23:08
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 23:08
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 23:08
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:08
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/09/07 23:08
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:08
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 23:08
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/09/07 23:08
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/09/07 23:08
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/09/07 23:08
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 23:08
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 23:08
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 23:08
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:08
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:08
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 23:08
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:08
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/09/07 23:08
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:08
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:08
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 23:08
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 23:08
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 23:08
Surr: 4-Bromofluorobenzene	S	89.1	0	74.3-123		%REC	1	10/09/07 23:08

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW56-30	**Work Order / ID:**	ME0710076-07
Sample Description:		**Collection Date:**	10/01/07 16:45
Sample Matrix:	Aqueous	**Date Received:**	10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	102	0	84.9-118		%REC	1	10/09/07 23:08
Surr: 1,2-Dichloroethane-d4	S	103	0	77.9-126		%REC	1	10/09/07 23:08
Surr: Toluene-d8	S	98.1	0	80.8-118		%REC	1	10/09/07 23:08

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-EB01-30	**Work Order / ID:**	ME0710076-08
Sample Description:		**Collection Date:**	10/01/07 17:00
Sample Matrix:	Aqueous	**Date Received:**	10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Acetone	A	***0.0033***	0.0020	0.050	J	mg/L	1	10/09/07 23:40
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:40
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/09/07 23:40
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 23:40
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/09/07 23:40
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/09/07 23:40
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/09/07 23:40
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:40
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 23:40
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/09/07 23:40
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 23:40
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/09/07 23:40
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/09/07 23:40
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:40
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 23:40
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 23:40
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 23:40
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 23:40
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:40
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/09/07 23:40
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:40
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 23:40
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/09/07 23:40
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/09/07 23:40
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/09/07 23:40
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 23:40
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 23:40
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 23:40
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:40
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:40
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 23:40
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:40
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/09/07 23:40
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:40
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:40
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 23:40
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 23:40
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 23:40
Surr: 4-Bromofluorobenzene	S	88.8	0	74.3-123		%REC	1	10/09/07 23:40

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-EB01-30	**Work Order / ID:**	ME0710076-08
Sample Description:		**Collection Date:**	10/01/07 17:00
Sample Matrix:	Aqueous	**Date Received:**	10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	105	0	84.9-118		%REC	1	10/09/07 23:40
Surr: 1,2-Dichloroethane-d4	S	107	0	77.9-126		%REC	1	10/09/07 23:40
Surr: Toluene-d8	S	97.6	0	80.8-118		%REC	1	10/09/07 23:40

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW11-30	**Work Order / ID:**	ME0710076-09
Sample Description:		**Collection Date:**	10/01/07 17:05
Sample Matrix:	Aqueous	**Date Received:**	10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/10/07 00:12
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 00:12
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/10/07 00:12
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 00:12
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/10/07 00:12
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/10/07 00:12
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/10/07 00:12
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 00:12
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 00:12
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/10/07 00:12
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 00:12
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/10/07 00:12
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/10/07 00:12
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 00:12
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 00:12
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 00:12
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 00:12
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 00:12
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 00:12
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/10/07 00:12
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 00:12
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 00:12
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/10/07 00:12
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/10/07 00:12
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/10/07 00:12
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 00:12
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 00:12
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 00:12
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 00:12
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 00:12
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 00:12
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 00:12
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/10/07 00:12
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 00:12
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 00:12
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 00:12
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 00:12
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 00:12
Surr: 4-Bromofluorobenzene	S	88.7	0	74.3-123		%REC	1	10/10/07 00:12

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW11-30	**Work Order / ID:**	ME0710076-09
Sample Description:		**Collection Date:**	10/01/07 17:05
Sample Matrix:	Aqueous	**Date Received:**	10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	107	0	84.9-118		%REC	1	10/10/07 00:12
Surr: 1,2-Dichloroethane-d4	S	109	0	77.9-126		%REC	1	10/10/07 00:12
Surr: Toluene-d8	S	97.6	0	80.8-118		%REC	1	10/10/07 00:12

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11/05/07

FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)

NA	=	Not Analyzed	N/A	=	Not Applicable			
mg/L	=	Milligrams per Liter (ppm)	ug/L	=	Micrograms per Liter (ppb)	cfu	=	Colony Forming Unit
mg/Kg	=	Milligrams per Kilogram (ppm)	ug/Kg	=	Micrograms per Kilogram (ppb)	ng/L	=	Nanograms per Liter (ppt)

U	=	Undetected
J	=	Analyte concentration detected between RL and MDL (Metals / Organics)
B	=	Detected in the associated Method Blank at a concentration above the routine PQL/RL
b	=	Detected in the associated Method Blank at a concentration above the Method Detection Limit but less than the routine PQL/RL
D	=	Surrogate recoveries are not calculated due to sample dilution
ND	=	Not Detected at the Reporting Limit (or the Method Detection Limit, if listed)
E	=	Value above quantitation range
H	=	Analyte was prepared and/or analyzed outside of the analytical method holding time
I	=	Matrix Interference
R	=	RPD outside accepted recovery limits
S	=	Spike recovery outside recovery limits
Surr	=	Surrogate

DF = Dilution Factor RL = Reporting Limit ST = Sample Type MDL = Method Detection Limit

SAMPLE TYPES

A	=	Analyte
I	=	Internal Standard
S	=	Surrogate
T	=	Tentatively Identified Compound (TIC, concentration estimated)

QC SAMPLE IDENTIFICATIONS

MBLK	=	Method Blank	ICSA	=	Interference Check Standard "A"	OPR	=	Ongoing Precision and Recovery Standard
DUP	=	Method Duplicate	ICSAB	=	Interference Check Standard "AB"			
LCS	=	Laboratory Control Sample	LCSD	=	Laboratory Control Sample Duplicate			
MS	=	Matrix Spike	MSD	=	Matrix Spike Duplicate			
ICB	=	Initial Calibration Blank	CCB	=	Continuing Calibration Blank			
ICV	=	Initial Calibration Verification	CCV	=	Continuing Calibration Verification			
PDS	=	Post Digestion Spike	SD	=	Serial Dilution			

CERTIFICATIONS

Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.

- Illinois EPA for the analysis wastewater and solid waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (accreditation #100435)
- Illinois Department of Public Health for the microbiological analysis of drinking water (registry #175458)
- Indiana DEM approved support laboratory for solid waste and wastewater analyses
- Indiana SDH for the chemical analysis of drinking water (lab #C-45-02)
- Indiana SDH for the microbiological analysis of drinking water (lab #M-45-08)
- Kentucky EPPC for the analysis of samples applicable to the Underground Storage Tank program (lab #0061)
- North Carolina DENR for the environmental analysis for NPDES effluent, surface water, groundwater, and pretreatment regulations (certificate #597)
- Wisconsin DNR for the chemical analysis of wastewater and solid waste (lab #998036710)

MICROBAC LOCATIONS, SERVICE CENTERS (SC) AND SATELLITE OFFICES (Sat)

Baltimore Division - Baltimore, MD
Camp Hill Division - Camp Hill, PA
Camp Hill Division (SC) - Pittston, PA
Chicagoland Division - Merrillville, IN
Chicagoland Division (SC) - Indianapolis, IN
Corona Division - Corona, CA
Erie Division - Erie, PA
Fayetteville Division - Fayetteville, NC
Hauser Division - Boulder, CO
Kentucky Division - Louisville, KY
Kentucky Division (Sat) - Evansville, IN
Kentucky Division (Sat) - Lexington, KY
Kentucky Division (Sat) - Paducah, KY
Knoxville Division - Maryville, TN
Massachusetts Division - Marlborough, MA
Microbac Corporate Office - Wexford, PA
Microbac NY - Cortland Office - Cortland, NY
Microbac NY - Waverly Office - Waverly, NY
New Castle Division - New Castle, PA
Pittsburgh Division - Warrendale, PA
Richmond Division - Richmond, VA
South Carolina Division - New Ellenton, SC
South Jersey Division - Turnersville, NJ
Southern Headquarters - Poquoson, VA
Southern Testing Division - Wilson, NC
Southern Testing Division (Sat) - Greensboro, NC
Venice Division - Venice, FL

Microbac®

Revised
11/05/07

COOLER INSPECTION

Date: Monday, November 05, 2007

Client Name ***MWH, Inc.***
Work Order Number ***ME0710076***
Checklist completed by KRS | 10/2/2007 11:57:46 AM

Date / Time Received: ***10/2/2007 10:40:00 AM***
Received by: KRS
Reviewed by RJM | 10/3/2007 5:02:13 PM

Carrier name: Microbac

After-Hour Arrival?	Yes ☐	No ☑	
Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody included sufficient client identification?	Yes ☑	No ☐	
Chain of custody included sufficient sample collector information?	Yes ☑	No ☐	
Chain of custody included a sample description?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Chain of custody identified the appropriate matrix?	Yes ☑	No ☐	
Chain of custody included date of collection?	Yes ☑	No ☐	
Chain of custody included time of collection?	Yes ☑	No ☐	
Chain of custody identified the appropriate number of containers?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Chain of custody identified the appropriate preservatives (if preserved)?	Yes ☑	No ☐	
Samples properly preserved?	Yes ☑	No ☐	

If No, adjusted by? _____ Date/Time _____

Chain of custody included the requested analyses?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Samples received on ice?	Yes ☑	No ☐	

Container/Temp Blank temperatures	Cooler	Temp
	1	1 ºC

VOA vials for aqueous samples have zero headspace? No VOA vials submitted ☐ Yes ☑ No ☐

ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.

General Comments:

Sample ID	Client Sample ID	Comments
ME0710076-01A	ACS-GW-TB01-30	
ME0710076-02A	ACS-GW-Dup01-30	
ME0710076-03A	ACS-GW-MW58-30	
ME0710076-04A	ACS-GW-MW59-30	
ME0710076-05A	ACS-GW-MW17-30	
ME0710076-06A	ACS-GW-MW28-30	
ME0710076-07A	ACS-GW-MW56-30	
ME0710076-08A	ACS-GW-EB01-30	
ME0710076-09A	ACS-GW-MW11-30	

ME07 10076 MONT. WATSON-IL-CHICAG 10/9/2007
GW - SemiAnnual / ACS
Christopher Daly

Page 27 of 142

Page 23 of 23

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Samples Submitted to:
[ ] 250 West 84th Drive, Merrillville, IN 46410, Tel: 219-769-8378, Fax: 219-769-1664
[ ] 5713 West 85th Street, Indianapolis, IN 46278, Tel: 317-872-1375, Fax: 317-872-1379

Chain of Custody Record

Number 79325

Instructions on back

Client Name: MWH	Project: ACS	Turnaround Time	Report Type
Address: 175 W. JACKSON BLVD SUITE 1900	Location: GRIFFITH, IN	[X] Routine (7 working days)	[ ] Results Only [ ] Level II
City, State, Zip: CHICAGO, IL 60604	PO #: 4050577	[ ] RUSH* (notify lab)	[ ] Level III [ ] Level III CLP-like
Contact: JUSTIN FINGER	Compliance Monitoring? [ ] Yes(1) [X] No	(needed by)	[ ] Level IV [ ] Level IV CLP-like
Telephone #: (312) 831-3447	(1)Agency/Program		[ ] EDD

Sampled by (PRINT): JUSTIN FINGER/AMANDA MCCALLISTER/DENISE ARMBRUSTER
Sampler Signature: JF
Sampler Phone #: (312) 831-3447
Send Report via: [X] Mail [ ] Telephone [ ] Fax (fax #)
[X] e-mail (address): justin.e.finger@mwhglobal.com

* **Matrix Types:** Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)
** **Preservative Types:** (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analyses → Preservative Types ** ↓	VOCs	For Lab Use Only
										0710076
ACS-GW-TB01-30	GW	X			10/1/07	0900	3	3	X	01
ACS-GW-DUP01-30	GW	X			10/1/07	1000	3	3	X	02
ACS-GW-MW58-30	GW	X			10/1/07	1120	3	3	X	03
ACS-GW-MW59-30	GW	X			10/1/07	1200	3	3	X	04
ACS-GW-MW17-30	GW	X			10/1/07	1430	9	3	X	05
ACS-GW-MW28-30	GW	X			10/1/07	1455	3	3	X	06
ACS-GW-MW56-30	GW	X			10/1/07	1645	3	3	X	07
ACS-GW-EB01-30	GW	X			10/1/07	1700	3	3	X	08
ACS-GW-MW11-30	GW	X			10/1/07	1705	3	3	X	09

Possible Hazard Identification: [ ] Hazardous [ ] Non-Hazardous [ ] Radioactive
Sample Disposition: [ ] Dispose as appropriate [ ] Return [ ] Archive

Comments	Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
MS/MSD COLLECTED WITH SAMPLE ACS-GW-MW17-30	JF	10/2/07 0830		
		10/2/07 10:45		
Sample temperature upon receipt in degrees C = 1 °C			Received for Lab By (signature):	Date/Time: 10/2/07 1048

Revised 11/05/07

rev. 11/04/04

Page 1 of 4

CLIENT: MWH, Inc.
Work Order: ME0710076
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103383

Sample ID: **MBLK W-25 10/08/0** SampType: **MBLK** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071009A**
Client ID: **ZZZZZ** Batch ID: **R103383** TestNo: **SW8260B** Analysis Date: **10/9/2007 7:44:00 AM** SeqNo: **1634463**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	0	5.0									
Benzene	0	1.0									
Bromodichloromethane	0	1.0									
Bromoform	0	1.0									
Bromomethane	0	2.0									
2-Butanone	0	2.0									
Carbon Disulfide	0	2.0									
Carbon tetrachloride	0	1.0									
Chlorobenzene	0	1.0									
Chloroethane	0	2.0									
Chloroform	0	1.0									
Chloromethane	0	2.0									
Dibromochloromethane	0	1.0									
1,1-Dichloroethane	0	1.0									
1,2-Dichloroethane	0	1.0									
1,1-Dichloroethene	0	1.0									
cis-1,2-Dichloroethene	0	1.0									
trans-1,2-Dichloroethene	0	1.0									
1,2-Dichloropropane	0	1.0									
cis-1,3-Dichloropropene	0	1.0									
trans-1,3-Dichloropropene	0	1.0									
Ethylbenzene	0	1.0									
2-Hexanone	0	2.0									
4-Methyl-2-Pentanone	0	1.0									
Methylene chloride	0.79	2.0									J
Styrene	0	1.0									
1,1,2,2-Tetrachloroethane	0	1.0									
Tetrachloroethene	0	1.0									
Toluene	0	1.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710076
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103383

Sample ID: **MBLK W-25 10/08/0** SampType: **MBLK** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071009A**
Client ID: **ZZZZZ** Batch ID: **R103383** TestNo: **SW8260B** Analysis Date: **10/9/2007 7:44:00 AM** SeqNo: **1634463**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0	1.0									
1,1,2-Trichloroethane	0	1.0									
Trichloroethene	0	1.0									
Vinyl chloride	0	2.0									
Total Xylenes	0	1.0									
Surr: 4-Bromofluorobenzene	9.11	0	10	0	91.1	74.3	123	0	0		
Surr: Dibromofluoromethane	10.16	0	10	0	102	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	10.34	0	10	0	103	77.9	126	0	0		
Surr: Toluene-d8	9.91	0	10	0	99.1	80.8	118	0	0		

Sample ID: **LCS W-10 PPB** SampType: **LCS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071009A**
Client ID: **ZZZZZ** Batch ID: **R103383** TestNo: **SW8260B** Analysis Date: **10/9/2007 8:16:00 AM** SeqNo: **1634464**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	8.8	1.0	10	0	88	75.4	121	0	0		
Bromodichloromethane	9.16	1.0	10	0	91.6	69.4	121	0	0		
Bromoform	9.88	1.0	10	0	98.8	60	131	0	0		
Carbon tetrachloride	8.9	1.0	10	0	89	65.5	134	0	0		
Chlorobenzene	9.05	1.0	10	0	90.5	81.1	120	0	0		
Chloroform	9.53	1.0	10	0	95.3	74.1	123	0	0		
Chloromethane	7.83	2.0	10	0	78.3	22.5	147	0	0		
Dibromochloromethane	9.66	1.0	10	0	96.6	68.6	123	0	0		
1,1-Dichloroethane	8.96	1.0	10	0	89.6	77	132	0	0		
1,2-Dichloroethane	9.55	1.0	10	0	95.5	68	127	0	0		
1,1-Dichloroethene	7.21	1.0	10	0	72.1	47.5	153	0	0		
trans-1,2-Dichloroethene	8.41	1.0	10	0	84.1	64.5	143	0	0		
1,2-Dichloropropane	9.12	1.0	10	0	91.2	74.4	126	0	0		
cis-1,3-Dichloropropene	9.42	1.0	10	0	94.2	69.1	126	0	0		
trans-1,3-Dichloropropene	10.15	1.0	10	0	102	71.8	131	0	0		
Ethylbenzene	8.82	1.0	10	0	88.2	73.6	125	0	0		
Methylene chloride	8.44	2.0	10	0	84.4	37.6	135	0	0		b

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710076
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103383

Sample ID: **LCS W-10 PPB** SampType: **LCS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071009A**
Client ID: **ZZZZZ** Batch ID: **R103383** TestNo: **SW8260B** Analysis Date: **10/9/2007 8:16:00 AM** SeqNo: **1634464**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	9.82	1.0	10	0	98.2	69.8	123	0	0		
Tetrachloroethene	8.9	1.0	10	0	89	70.1	134	0	0		
Toluene	8.66	1.0	10	0	86.6	76.4	123	0	0		
1,1,1-Trichloroethane	8.99	1.0	10	0	89.9	70.8	131	0	0		
1,1,2-Trichloroethane	9.56	1.0	10	0	95.6	67.6	127	0	0		
Trichloroethene	8.75	1.0	10	0	87.5	69.9	127	0	0		
Vinyl chloride	7.18	2.0	10	0	71.8	37.1	149	0	0		
Surr: 4-Bromofluorobenzene	10.06	0	10	0	101	74.3	123	0	0		
Surr: Dibromofluoromethane	10.47	0	10	0	105	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	10.71	0	10	0	107	77.9	126	0	0		
Surr: Toluene-d8	9.89	0	10	0	98.9	80.8	118	0	0		

Sample ID: **ME0709B03-01AMS** SampType: **MS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071009A**
Client ID: **ZZZZZ** Batch ID: **R103383** TestNo: **SW8260B** Analysis Date: **10/9/2007 5:17:00 PM** SeqNo: **1635395**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	9.18	1.0	10	0	91.8	60.6	130	0	0		H
Bromodichloromethane	9.11	1.0	10	0	91.1	65.8	126	0	0		H
Bromoform	9.75	1.0	10	0	97.5	40.5	146	0	0		H
Bromomethane	6.51	2.0	10	0	65.1	0	243	0	0		H
Carbon tetrachloride	9.42	1.0	10	0	94.2	47.2	149	0	0		H
Chlorobenzene	9.13	1.0	10	0	91.3	75.6	127	0	0		H
Chloroethane	8.06	2.0	10	0	80.6	0	357	0	0		H
Chloroform	9.76	1.0	10	0	97.6	71.2	120	0	0		H
Chloromethane	8.72	2.0	10	0	87.2	10.8	155	0	0		H
Dibromochloromethane	9.44	1.0	10	0	94.4	60.1	136	0	0		H
1,1-Dichloroethane	9.28	1.0	10	0	92.8	68	119	0	0		H
1,2-Dichloroethane	9.82	1.0	10	0	98.2	67.7	133	0	0		H
1,1-Dichloroethene	7.52	1.0	10	0	75.2	50.1	125	0	0		H
trans-1,2-Dichloroethene	8.87	1.0	10	0	88.7	56.9	132	0	0		H
1,2-Dichloropropane	9.31	1.0	10	0	93.1	71.4	125	0	0		H

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank
H - Analyte was prepared and/or analyzed outside of the analytical method holding time

CLIENT: MWH, Inc.
Work Order: ME0710076
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103383

Sample ID: **ME0709B03-01AMS** SampType: **MS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071009A**
Client ID: **ZZZZZ** Batch ID: **R103383** TestNo: **SW8260B** Analysis Date: **10/9/2007 5:17:00 PM** SeqNo: **1635395**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	9.07	1.0	10	0	90.7	66.9	134	0	0		H
trans-1,3-Dichloropropene	10	1.0	10	0	100	69.9	130	0	0		H
Ethylbenzene	8.78	1.0	10	0	87.8	60.6	144	0	0		H
Methylene chloride	9.24	2.0	10	0	92.4	55.4	130	0	0		bH
1,1,2,2-Tetrachloroethane	9.49	1.0	10	0	94.9	46.8	168	0	0		H
Tetrachloroethene	9.23	1.0	10	0	92.3	60.1	144	0	0		H
Toluene	8.85	1.0	10	0	88.5	69.7	130	0	0		H
1,1,1-Trichloroethane	9.3	1.0	10	0	93	63	136	0	0		H
1,1,2-Trichloroethane	9.49	1.0	10	0	94.9	40.6	165	0	0		H
Trichloroethene	8.92	1.0	10	0	89.2	48.6	139	0	0		H
Vinyl chloride	7.94	2.0	10	0	79.4	33	151	0	0		H
Surr: 4-Bromofluorobenzene	10.03	0	10	0	100	74.3	123	0	0		H
Surr: Dibromofluoromethane	10.66	0	10	0	107	84.9	118	0	0		H
Surr: 1,2-Dichloroethane-d4	10.76	0	10	0	108	77.9	126	0	0		H
Surr: Toluene-d8	9.81	0	10	0	98.1	80.8	118	0	0		H

Sample ID: **ME0709B03-01AMS** SampType: **MSD** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071009A**
Client ID: **ZZZZZ** Batch ID: **R103383** TestNo: **SW8260B** Analysis Date: **10/9/2007 5:49:00 PM** SeqNo: **1635396**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	9.28	1.0	10	0	92.8	60.6	130	9.18	1.08	23.7	H
Bromodichloromethane	9.27	1.0	10	0	92.7	65.8	126	9.11	1.74	28.4	H
Bromoform	9.91	1.0	10	0	99.1	40.5	146	9.75	1.63	28.8	H
Bromomethane	6.67	2.0	10	0	66.7	0	243	6.51	2.43	52.8	H
Carbon tetrachloride	9.57	1.0	10	0	95.7	47.2	149	9.42	1.58	31.1	H
Chlorobenzene	9.24	1.0	10	0	92.4	75.6	127	9.13	1.20	23	H
Chloroethane	8.18	2.0	10	0	81.8	0	357	8.06	1.48	29.3	H
Chloroform	9.84	1.0	10	0	98.4	71.2	120	9.76	0.816	25	H
Chloromethane	8.65	2.0	10	0	86.5	10.8	155	8.72	0.806	90.9	H
Dibromochloromethane	9.6	1.0	10	0	96	60.1	136	9.44	1.68	27.1	H
1,1-Dichloroethane	9.29	1.0	10	0	92.9	68	119	9.28	0.108	14.2	H

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710076
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103383

Sample ID: **ME0709B03-01AMS** SampType: **MSD** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071009A**

Client ID: **ZZZZZ** Batch ID: **R103383** TestNo: **SW8260B** Analysis Date: **10/9/2007 5:49:00 PM** SeqNo: **1635396**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane	9.88	1.0	10	0	98.8	67.7	133	9.82	0.609	23.3	H
1,1-Dichloroethene	7.71	1.0	10	0	77.1	50.1	125	7.52	2.50	31	H
trans-1,2-Dichloroethene	8.91	1.0	10	0	89.1	56.9	132	8.87	0.450	66.1	H
1,2-Dichloropropane	9.35	1.0	10	0	93.5	71.4	125	9.31	0.429	26	H
cis-1,3-Dichloropropene	9.23	1.0	10	0	92.3	66.9	134	9.07	1.75	28.7	H
trans-1,3-Dichloropropene	10.19	1.0	10	0	102	69.9	130	10	1.88	27.9	H
Ethylbenzene	8.96	1.0	10	0	89.6	60.6	144	8.78	2.03	25.2	H
Methylene chloride	9.24	2.0	10	0	92.4	55.4	130	9.24	0	28.7	bH
1,1,2,2-Tetrachloroethane	9.79	1.0	10	0	97.9	46.8	168	9.49	3.11	22.3	H
Tetrachloroethene	9.27	1.0	10	0	92.7	60.1	144	9.23	0.432	29.7	H
Toluene	8.99	1.0	10	0	89.9	69.7	130	8.85	1.57	25.4	H
1,1,1-Trichloroethane	9.49	1.0	10	0	94.9	63	136	9.3	2.02	29	H
1,1,2-Trichloroethane	9.65	1.0	10	0	96.5	40.6	165	9.49	1.67	25.9	H
Trichloroethene	9.14	1.0	10	0	91.4	48.6	139	8.92	2.44	26.9	H
Vinyl chloride	8.08	2.0	10	0	80.8	33	151	7.94	1.75	31.2	H
Surr: 4-Bromofluorobenzene	10.02	0	10	0	100	74.3	123	0	0	0	H
Surr: Dibromofluoromethane	10.61	0	10	0	106	84.9	118	0	0	0	H
Surr: 1,2-Dichloroethane-d4	10.66	0	10	0	107	77.9	126	0	0	0	H
Surr: Toluene-d8	9.89	0	10	0	98.9	80.8	118	0	0	0	H

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank

b - Analyte detected below reporting limit in the Method Blank

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

CLIENT: MWH, Inc.
Work Order: ME0710076
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103430

Sample ID: **ME0710076-05AMS** SampType: **MS** TestCode: **8260+_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ACS-GW-MW17-30** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 10:12:00 P** SeqNo: **1637179**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	9	1.0	10	0	90	60.6	130	0	0		
Bromodichloromethane	9.06	1.0	10	0	90.6	65.8	126	0	0		
Bromoform	9.85	1.0	10	0	98.5	40.5	146	0	0		
Bromomethane	4.84	2.0	10	0	48.4	0	243	0	0		
Carbon tetrachloride	9.15	1.0	10	0	91.5	47.2	149	0	0		
Chlorobenzene	9.35	1.0	10	0	93.5	75.6	127	0	0		
Chloroethane	8.17	2.0	10	0	81.7	0	357	0	0		
Chloroform	9.55	1.0	10	0	95.5	71.2	120	0	0		
Chloromethane	7.19	2.0	10	0	71.9	10.8	155	0	0		
Dibromochloromethane	9.56	1.0	10	0	95.6	60.1	136	0	0		
1,1-Dichloroethane	8.87	1.0	10	0	88.7	68	119	0	0		
1,2-Dichloroethane	9.53	1.0	10	0	95.3	67.7	133	0	0		
1,1-Dichloroethene	6.9	1.0	10	0	69	50.1	125	0	0		
trans-1,2-Dichloroethene	8.51	1.0	10	0	85.1	56.9	132	0	0		
1,2-Dichloropropane	9.15	1.0	10	0	91.5	71.4	125	0	0		
trans-1,3-Dichloropropene	9.75	1.0	10	0	97.5	69.9	130	0	0		
cis-1,3-Dichloropropene	8.57	1.0	10	0	85.7	66.9	134	0	0		
Ethylbenzene	8.99	1.0	10	0	89.9	60.6	144	0	0		
Methylene chloride	8.55	2.0	10	0	85.5	55.4	130	0	0		
1,1,2,2-Tetrachloroethane	9.51	1.0	10	0	95.1	46.8	168	0	0		
Tetrachloroethene	10.02	1.0	10	0	100	60.1	144	0	0		
Toluene	8.79	1.0	10	0	87.9	69.7	130	0	0		
1,1,1-Trichloroethane	9.01	1.0	10	0	90.1	63	136	0	0		
1,1,2-Trichloroethane	9.48	1.0	10	0	94.8	40.6	165	0	0		
Trichloroethene	8.84	1.0	10	0	88.4	48.6	139	0	0		
Vinyl chloride	6.87	2.0	10	0	68.7	33	151	0	0		
Surr: 4-Bromofluorobenzene	10.5	0	10	0	105	74.3	123	0	0		
Surr: Dibromofluoromethane	11.14	0	10	0	111	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	11.06	0	10	0	111	77.9	126	0	0		
Surr: Toluene-d8	10.22	0	10	0	102	80.8	118	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank
H - Analyte was prepared and/or analyzed outside of the analytical method holding time

CLIENT: MWH, Inc.
Work Order: ME0710076
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103430

Sample ID: **ME0710076-05AMS** SampType: **MSD** TestCode: **8260+_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ACS-GW-MW17-30** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 10:44:00 P** SeqNo: **1637180**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	8.72	1.0	10	0	87.2	60.6	130	9	3.16	23.7	
Bromodichloromethane	8.76	1.0	10	0	87.6	65.8	126	9.06	3.37	28.4	
Bromoform	9.83	1.0	10	0	98.3	40.5	146	9.85	0.203	28.8	
Bromomethane	4.76	2.0	10	0	47.6	0	243	4.84	1.67	52.8	
Carbon tetrachloride	8.89	1.0	10	0	88.9	47.2	149	9.15	2.88	31.1	
Chlorobenzene	9.14	1.0	10	0	91.4	75.6	127	9.35	2.27	23	
Chloroethane	7.74	2.0	10	0	77.4	0	357	8.17	5.41	29.3	
Chloroform	9.29	1.0	10	0	92.9	71.2	120	9.55	2.76	25	
Chloromethane	6.82	2.0	10	0	68.2	10.8	155	7.19	5.28	90.9	
Dibromochloromethane	9.36	1.0	10	0	93.6	60.1	136	9.56	2.11	27.1	
1,1-Dichloroethane	8.69	1.0	10	0	86.9	68	119	8.87	2.05	14.2	
1,2-Dichloroethane	9.22	1.0	10	0	92.2	67.7	133	9.53	3.31	23.3	
1,1-Dichloroethene	6.97	1.0	10	0	69.7	50.1	125	6.9	1.01	31	
trans-1,2-Dichloroethene	8.16	1.0	10	0	81.6	56.9	132	8.51	4.20	66.1	
1,2-Dichloropropane	8.93	1.0	10	0	89.3	71.4	125	9.15	2.43	26	
trans-1,3-Dichloropropene	9.78	1.0	10	0	97.8	69.9	130	9.75	0.307	27.9	
cis-1,3-Dichloropropene	8.63	1.0	10	0	86.3	66.9	134	8.57	0.698	28.7	
Ethylbenzene	8.8	1.0	10	0	88	60.6	144	8.99	2.14	25.2	
Methylene chloride	8.17	2.0	10	0	81.7	55.4	130	8.55	4.55	28.7	
1,1,2,2-Tetrachloroethane	9.76	1.0	10	0	97.6	46.8	168	9.51	2.59	22.3	
Tetrachloroethene	9.8	1.0	10	0	98	60.1	144	10.02	2.22	29.7	
Toluene	8.71	1.0	10	0	87.1	69.7	130	8.79	0.914	25.4	
1,1,1-Trichloroethane	8.82	1.0	10	0	88.2	63	136	9.01	2.13	29	
1,1,2-Trichloroethane	9.45	1.0	10	0	94.5	40.6	165	9.48	0.317	25.9	
Trichloroethene	8.69	1.0	10	0	86.9	48.6	139	8.84	1.71	26.9	
Vinyl chloride	6.59	2.0	10	0	65.9	33	151	6.87	4.16	31.2	
Surr: 4-Bromofluorobenzene	10.47	0	10	0	105	74.3	123	0	0	0	
Surr: Dibromofluoromethane	10.99	0	10	0	110	84.9	118	0	0	0	
Surr: 1,2-Dichloroethane-d4	11.05	0	10	0	110	77.9	126	0	0	0	
Surr: Toluene-d8	10.21	0	10	0	102	80.8	118	0	0	0	

Qualifiers:
ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710076
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103430

Sample ID: **MBLK W-25 10/10/0** SampType: **MBLK** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ZZZZZ** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 6:31:00 AM** SeqNo: **1635319**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	0	5.0									
Benzene	0	1.0									
Bromodichloromethane	0	1.0									
Bromoform	0	1.0									
Bromomethane	0	2.0									
2-Butanone	0	2.0									
Carbon Disulfide	0	2.0									
Carbon tetrachloride	0	1.0									
Chlorobenzene	0	1.0									
Chloroethane	0	2.0									
Chloroform	0	1.0									
Chloromethane	0	2.0									
Dibromochloromethane	0	1.0									
1,1-Dichloroethane	0	1.0									
1,2-Dichloroethane	0	1.0									
1,1-Dichloroethene	0	1.0									
cis-1,2-Dichloroethene	0	1.0									
trans-1,2-Dichloroethene	0	1.0									
1,2-Dichloropropane	0	1.0									
cis-1,3-Dichloropropene	0	1.0									
trans-1,3-Dichloropropene	0	1.0									
Ethylbenzene	0	1.0									
2-Hexanone	0	2.0									
4-Methyl-2-Pentanone	0	1.0									
Methylene chloride	0	2.0									
Styrene	0	1.0									
1,1,2,2-Tetrachloroethane	0	1.0									
Tetrachloroethene	0	1.0									
Toluene	0	1.0									
1,1,1-Trichloroethane	0	1.0									
1,1,2-Trichloroethane	0	1.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
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H - Analyte was prepared and/or analyzed outside of the analytical method holding time
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R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710076
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103430

Sample ID: **MBLK W-25 10/10/0** SampType: **MBLK** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ZZZZZ** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 6:31:00 AM** SeqNo: **1635319**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	0	1.0									
Vinyl chloride	0	2.0									
Total Xylenes	0	1.0									
Surr: 4-Bromofluorobenzene	8.94	0	10	0	89.4	74.3	123	0	0		
Surr: Dibromofluoromethane	10.52	0	10	0	105	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	10.65	0	10	0	106	77.9	126	0	0		
Surr: Toluene-d8	9.82	0	10	0	98.2	80.8	118	0	0		

Sample ID: **LCS W-10 PPB** SampType: **LCS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ZZZZZ** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 7:03:00 AM** SeqNo: **1635320**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	8.48	1.0	10	0	84.8	75.4	121	0	0		
Bromodichloromethane	8.54	1.0	10	0	85.4	69.4	121	0	0		
Bromoform	9.4	1.0	10	0	94	60	131	0	0		
Carbon tetrachloride	8.71	1.0	10	0	87.1	65.5	134	0	0		
Chlorobenzene	8.75	1.0	10	0	87.5	81.1	120	0	0		
Chloroform	9.08	1.0	10	0	90.8	74.1	123	0	0		
Chloromethane	9.46	2.0	10	0	94.6	22.5	147	0	0		
Dibromochloromethane	9.01	1.0	10	0	90.1	68.6	123	0	0		
1,1-Dichloroethane	8.49	1.0	10	0	84.9	77	132	0	0		
1,2-Dichloroethane	9.02	1.0	10	0	90.2	68	127	0	0		
1,1-Dichloroethene	7.04	1.0	10	0	70.4	47.5	153	0	0		
trans-1,2-Dichloroethene	8.12	1.0	10	0	81.2	64.5	143	0	0		
1,2-Dichloropropane	8.59	1.0	10	0	85.9	74.4	126	0	0		
cis-1,3-Dichloropropene	8.66	1.0	10	0	86.6	69.1	126	0	0		
trans-1,3-Dichloropropene	9.35	1.0	10	0	93.5	71.8	131	0	0		
Ethylbenzene	8.41	1.0	10	0	84.1	73.6	125	0	0		
Methylene chloride	8.21	2.0	10	0	82.1	37.6	135	0	0		
1,1,2,2-Tetrachloroethane	9.25	1.0	10	0	92.5	69.8	123	0	0		
Tetrachloroethene	8.69	1.0	10	0	86.9	70.1	134	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710076
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103430

Sample ID: **LCS W-10 PPB** SampType: **LCS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ZZZZZ** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 7:03:00 AM** SeqNo: **1635320**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	8.39	1.0	10	0	83.9	76.4	123	0	0		
1,1,1-Trichloroethane	8.53	1.0	10	0	85.3	70.8	131	0	0		
1,1,2-Trichloroethane	9.08	1.0	10	0	90.8	67.6	127	0	0		
Trichloroethene	8.44	1.0	10	0	84.4	69.9	127	0	0		
Vinyl chloride	8.58	2.0	10	0	85.8	37.1	149	0	0		
Surr: 4-Bromofluorobenzene	9.86	0	10	0	98.6	74.3	123	0	0		
Surr: Dibromofluoromethane	10.63	0	10	0	106	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	10.37	0	10	0	104	77.9	126	0	0		
Surr: Toluene-d8	9.95	0	10	0	99.5	80.8	118	0	0		

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

VOA GC/MS
RAW DATA

METHOD BLANK RAW DATA

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100903b.D
Acq On : 9 Oct 2007 7:44 am
Operator : CLR
Sample : ,MBLK,MBLK W-25 10/08/07,1,
Misc : 8260_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 08:32:02 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

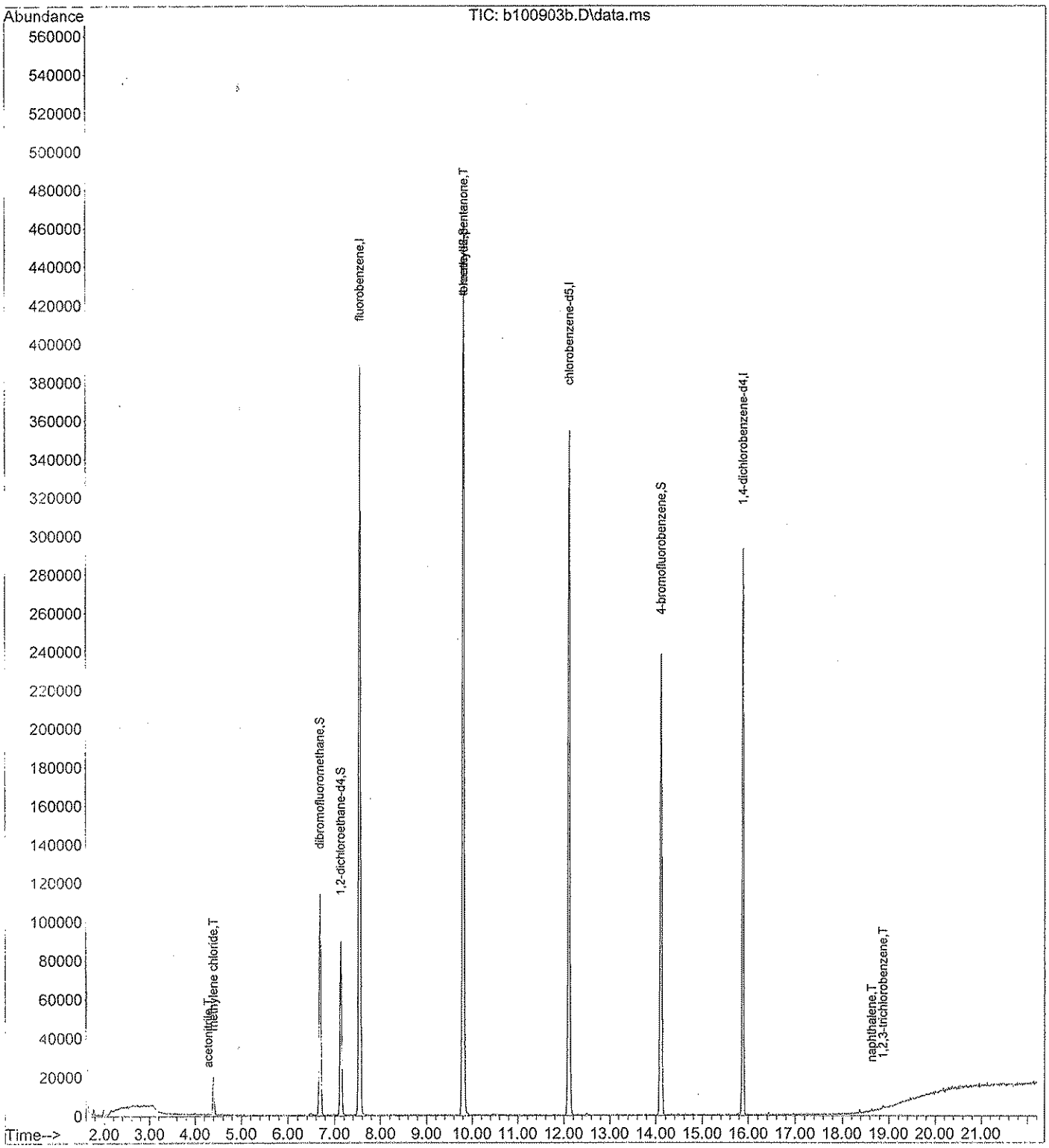
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.540	96	471845	10.00	ug/L	0.00
35) chlorobenzene-d5	12.108	117	311063	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.872	152	106808	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.683	113	90237	10.16	ug/L	0.00
Spiked Amount 10.000			Recovery =		101.60%	
26) 1,2-dichloroethane-d4	7.133	65	79976	10.34	ug/L	0.00
Spiked Amount 10.000			Recovery =		103.40%	
38) toluene-d8	9.803	98	448626	9.91	ug/L	0.00
Spiked Amount 10.000			Recovery =		99.10%	
56) 4-bromofluorobenzene	14.096	95	125800	9.11	ug/L	0.00
Spiked Amount 10.000			Recovery =		91.10%	
Target Compounds						Qvalue
12) methylene chloride	4.396	84	10337	0.79	ug/L	97
16) acetonitrile	4.287	41	96	0.18	ug/L #	6
37) 4-methyl-2-pentanone	9.803	43	1820	0.54	ug/L #	1
75) naphthalene	18.633	128	1013	0.13	ug/L	100
76) 1,2,3-trichlorobenzene	18.876	180	597	0.14	ug/L	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100903b.D
Acq On : 9 Oct 2007 7:44 am
Operator : CLR
Sample : ,MBLK,MBLK W-25 10/08/07,1,
Misc : 8260_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 08:32:02 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101003.D
Acq On : 10 Oct 2007 6:31 am
Operator : NLT
Sample : ,MBLK,MBLK W-25 10/10/07,1,
Misc : 8260_W25
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 10 07:21:18 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.535	96	437233	10.00	ug/L	0.00
35) chlorobenzene-d5	12.102	117	290597	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.873	152	100811	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.684	113	86597	10.52	ug/L	0.00
Spiked Amount 10.000			Recovery = 105.20%			
26) 1,2-dichloroethane-d4	7.134	65	76390	10.65	ug/L	0.00
Spiked Amount 10.000			Recovery = 106.50%			
38) toluene-d8	9.804	98	415404	9.82	ug/L	0.00
Spiked Amount 10.000			Recovery = 98.20%			
56) 4-bromofluorobenzene	14.097	95	115278	8.94	ug/L	0.00
Spiked Amount 10.000			Recovery = 89.40%			
Target Compounds						Qvalue

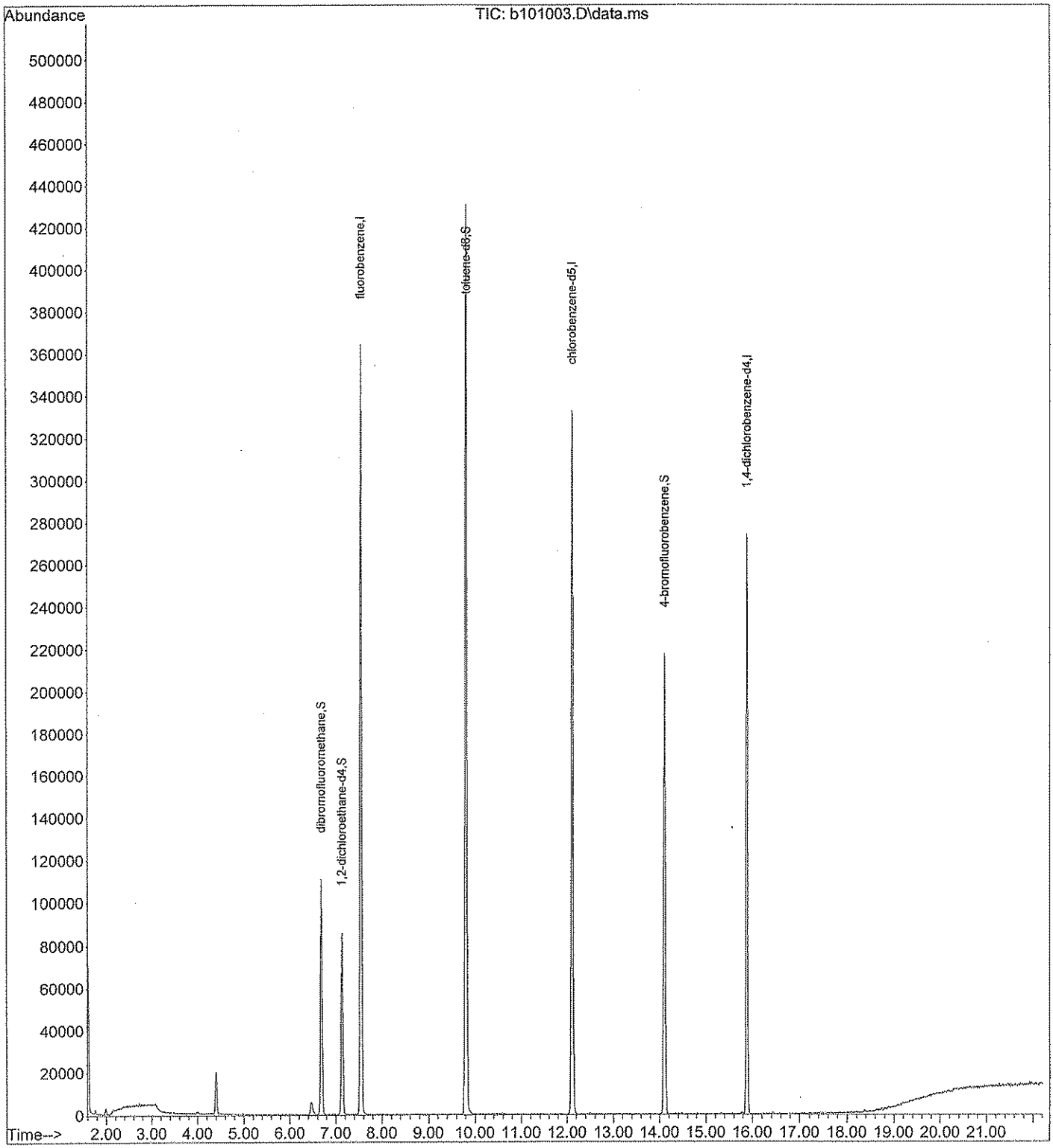
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101003.D
Acq On : 10 Oct 2007 6:31 am
Operator : NLT
Sample : ,MBLK,MBLK W-25 10/10/07,1,
Misc : 8260_W25
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 10 07:21:18 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



LABORATORY CONTROL SAMPLE RAW DATA

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100904.D
Acq On : 9 Oct 2007 8:16 am
Operator : CLR
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260_W25
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 08:39:03 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.541	96	474591	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	318448	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	147464	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.683	113	93610	10.47	ug/L		0.00
Spiked Amount 10.000			Recovery =	104.70%			
26) 1,2-dichloroethane-d4	7.133	65	83313	10.71	ug/L		0.00
Spiked Amount 10.000			Recovery =	107.10%			
38) toluene-d8	9.803	98	458730	9.89	ug/L		0.00
Spiked Amount 10.000			Recovery =	98.90%			
56) 4-bromofluorobenzene	14.097	95	142248	10.06	ug/L		0.00
Spiked Amount 10.000			Recovery =	100.60%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	43440	6.06	ug/L		100
3) chloromethane	2.055	50	98717	7.83	ug/L		100
4) vinyl chloride	2.195	62	94814	7.18	ug/L		99
5) bromomethane	2.621	94	24236	5.67	ug/L		98
6) chloroethane	2.755	64	56134	7.22	ug/L		98
7) trichlorofluoromethane	3.059	101	114908	7.85	ug/L	#	99
9) 1,1-dichloroethene	3.734	96	82953	7.21	ug/L		97
10) acetone	3.898	43	11208	9.79	ug/L		90
11) carbon disulfide	4.002	76	158599	4.43	ug/L		99
12) methylene chloride	4.397	84	110724	8.44	ug/L		99
13) acrylonitrile	4.768	53	16283	13.73	ug/L		99
14) trans-1,2-dichloroethene	4.707	96	110526	8.41	ug/L		99
15) methyl-t-butyl ether	4.695	73	155157	9.45	ug/L		98
16) acetonitrile	4.281	41	5435	10.19	ug/L		92
17) 1,1-dichloroethane	5.266	63	212593	8.96	ug/L		99
18) vinyl acetate	5.333	43	68000	10.10	ug/L		99
19) cis-1,2-dichloroethene	6.033	96	116081	8.49	ug/L		99
20) 2,2-dichloropropane	5.990	77	166183	8.92	ug/L		100
21) 2-butanone	6.106	72	3800	11.29	ug/L	#	94
22) chloroform	6.464	83	194139	9.53	ug/L		98
24) 1,1,1-trichloroethane	6.641	97	166244	8.99	ug/L		96
25) carbon tetrachloride	6.841	117	135311	8.90	ug/L		99
27) benzene	7.152	78	474678	8.80	ug/L		99
28) 1,1-dichloropropene	6.860	75	151707	8.73	ug/L		99
29) 1,2-dichloroethane	7.237	62	100178	9.55	ug/L		98
30) trichloroethene	8.040	95	114328	8.75	ug/L		97
31) 1,2-dichloropropane	8.392	63	109036	9.12	ug/L		98
32) dibromomethane	8.593	93	35966	9.45	ug/L		97
33) bromodichloromethane	8.824	83	112535	9.16	ug/L		96
34) 2-chloroethyl vinyl ether	9.238	63	15351	8.74	ug/L		100
36) cis-1,3-dichloropropene	9.450	75	135831	9.42	ug/L		97
37) 4-methyl-2-pentanone	9.688	43	35930	10.44	ug/L		94
39) toluene	9.900	92	302114	8.66	ug/L		99
40) 1,1,2-trichloroethane	10.612	83	46598	9.56	ug/L		97
41) 1,3-dichloropropane	10.861	76	102433	9.26	ug/L		100
42) tetrachloroethene	10.727	164	97341	8.90	ug/L		96
43) trans-1,3-dichloropropene	10.320	75	95813	10.15	ug/L		98
44) 2-hexanone	10.983	43	21316	10.29	ug/L		99

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100904.D
Acq On : 9 Oct 2007 8:16 am
Operator : CLR
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260_W25
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 08:39:03 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

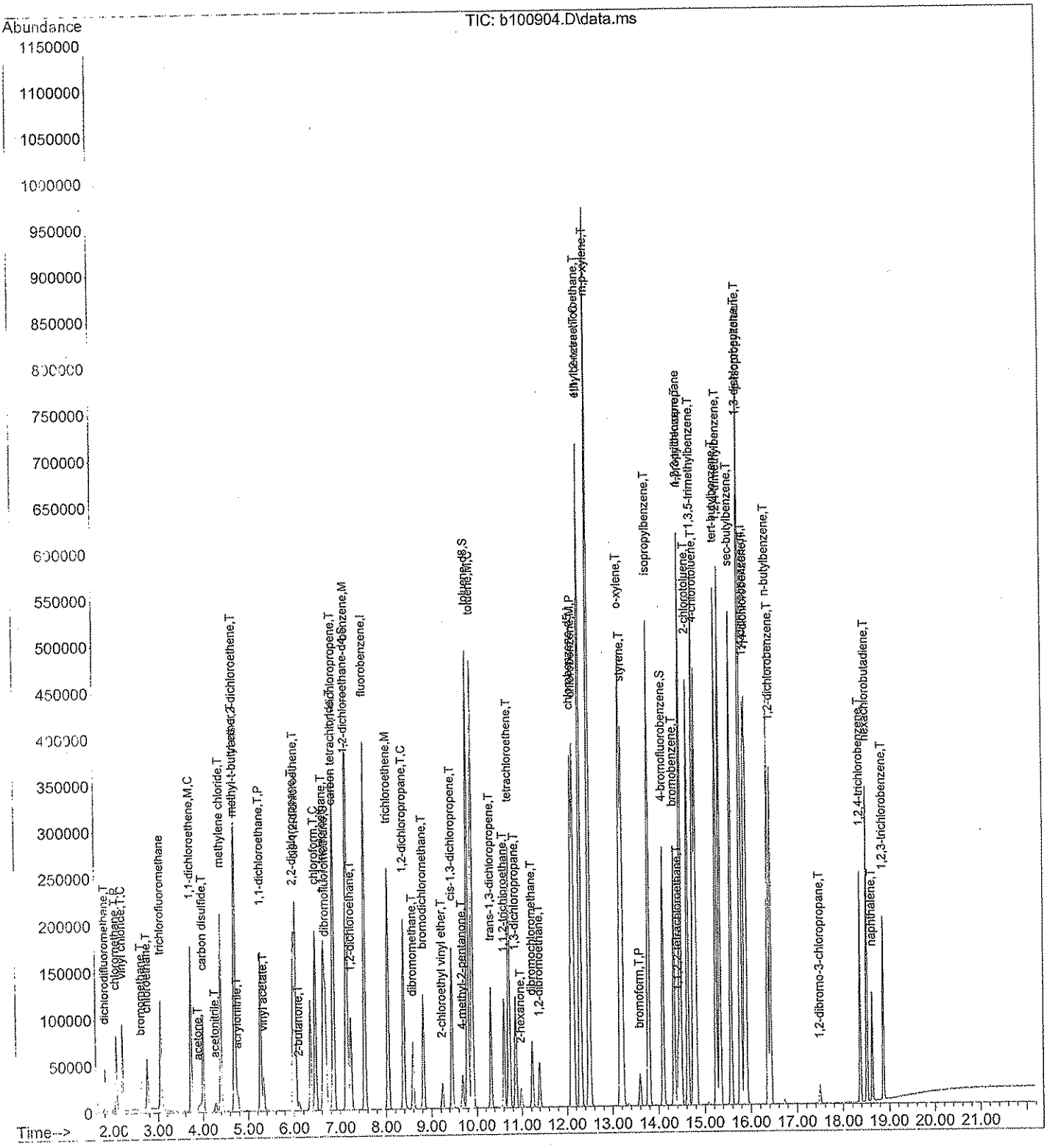
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) dibromochloromethane	11.232	129	56942	9.66	ug/L	97
46) 1,2-dibromoethane	11.396	107	49276	9.71	ug/L	99
47) chlorobenzene	12.150	112	311453	9.05	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.303	131	93606	9.48	ug/L	99
49) ethylbenzene	12.303	91	564546	8.82	ug/L	99
50) m,p-xylene	12.497	106	461439	17.69	ug/L	98
51) o-xylene	13.166	106	211614	8.82	ug/L	98
52) styrene	13.215	104	312476	8.99	ug/L	99
53) isopropylbenzene	13.786	105	542787	9.97	ug/L	100
54) bromobenzene	14.334	156	109750	9.17	ug/L	98
55) bromoform	13.592	173	25702	9.88	ug/L	99
57) 1,2,3-trichloropropane	14.474	110	16486	9.84	ug/L	97
58) n-propylbenzene	14.474	91	636666	9.07	ug/L	100
59) 2-chlorotoluene	14.632	91	377619	9.02	ug/L	100
60) 4-chlorotoluene	14.808	91	431518	9.17	ug/L	99
61) 1,3,5-trimethylbenzene	14.759	105	449533	8.93	ug/L	99
63) 1,1,2,2-tetrachloroethane	14.425	83	52263	9.82	ug/L	94
64) tert-butylbenzene	15.252	119	372916	8.53	ug/L	100
65) sec-butylbenzene	15.580	105	519890	8.19	ug/L	100
66) 1,2,4-trimethylbenzene	15.337	105	439157	8.44	ug/L	100
67) 1,3-dichlorobenzene	15.775	146	228998	9.13	ug/L	99
68) p-isopropyltoluene	15.793	119	453314	9.03	ug/L	99
69) 1,4-dichlorobenzene	15.903	146	218744	9.00	ug/L	98
70) 1,2-dichlorobenzene	16.432	146	186602	9.34	ug/L	99
71) n-butylbenzene	16.371	91	340684	8.67	ug/L	100
72) 1,2-dibromo-3-chloropr...	17.490	75	5772	9.91	ug/L	90
73) 1,2,4-trichlorobenzene	18.378	180	84009	9.61	ug/L	99
74) hexachlorobutadiene	18.518	225	70509	9.00	ug/L	99
75) naphthalene	18.633	128	95844	9.01	ug/L	100
76) 1,2,3-trichlorobenzene	18.870	180	61840	10.43	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100904.D
Acq On : 9 Oct 2007 8:16 am
Operator : CLR
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260_W25
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 08:39:03 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101004.D
Acq On : 10 Oct 2007 7:03 am
Operator : NLT
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 07:26:07 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	444606	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	299663	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	140791	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.683	113	88959	10.63	ug/L		0.00
Spiked Amount 10.000			Recovery =	106.30%			
26) 1,2-dichloroethane-d4	7.127	65	75604	10.37	ug/L		0.00
Spiked Amount 10.000			Recovery =	103.70%			
38) toluene-d8	9.803	98	434197	9.95	ug/L		0.00
Spiked Amount 10.000			Recovery =	99.50%			
56) 4-bromofluorobenzene	14.097	95	131085	9.86	ug/L		0.00
Spiked Amount 10.000			Recovery =	98.60%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	48783	7.26	ug/L		99
3) chloromethane	2.055	50	111649	9.46	ug/L		98
4) vinyl chloride	2.195	62	106090	8.58	ug/L		98
5) bromomethane	2.621	94	26284	6.57	ug/L		95
6) chloroethane	2.755	64	63895	8.77	ug/L		99
7) trichlorofluoromethane	3.059	101	144729	10.55	ug/L	#	100
9) 1,1-dichloroethene	3.734	96	75924	7.04	ug/L		97
10) acetone	3.898	43	10530	9.82	ug/L		98
11) carbon disulfide	4.002	76	231804	6.91	ug/L		100
12) methylene chloride	4.397	84	100868	8.21	ug/L		99
13) acrylonitrile	4.768	53	14953	13.46	ug/L		95
14) trans-1,2-dichloroethene	4.707	96	99965	8.12	ug/L		99
15) methyl-t-butyl ether	4.695	73	139212	9.05	ug/L		99
16) acetonitrile	4.287	41	7220	14.45	ug/L		98
17) 1,1-dichloroethane	5.266	63	188739	8.49	ug/L		100
18) vinyl acetate	5.333	43	88994	14.11	ug/L		98
19) cis-1,2-dichloroethene	6.033	96	104281	8.14	ug/L		97
20) 2,2-dichloropropane	5.990	77	146546	8.39	ug/L		100
21) 2-butanone	6.106	72	3468	11.00	ug/L		87
22) chloroform	6.464	83	173261	9.08	ug/L		100
24) 1,1,1-trichloroethane	6.641	97	147831	8.53	ug/L		99
25) carbon tetrachloride	6.848	117	124069	8.71	ug/L		97
27) benzene	7.152	78	428655	8.48	ug/L		100
28) 1,1-dichloropropene	6.860	75	134501	8.27	ug/L		100
29) 1,2-dichloroethane	7.237	62	88657	9.02	ug/L		98
30) trichloroethene	8.040	95	103321	8.44	ug/L		98
31) 1,2-dichloropropane	8.392	63	96154	8.59	ug/L		99
32) dibromomethane	8.593	93	31641	8.87	ug/L		96
33) bromodichloromethane	8.818	83	98250	8.54	ug/L		97
34) 2-chloroethyl vinyl ether	9.238	63	12351	7.50	ug/L		98
36) cis-1,3-dichloropropene	9.450	75	117496	8.66	ug/L		98
37) 4-methyl-2-pentanone	9.688	43	32538	10.05	ug/L	#	88
39) toluene	9.900	92	275547	8.39	ug/L		97
40) 1,1,2-trichloroethane	10.612	83	41632	9.08	ug/L		97
41) 1,3-dichloropropane	10.861	76	90699	8.71	ug/L		99
42) tetrachloroethene	10.727	164	89408	8.69	ug/L		97
43) trans-1,3-dichloropropene	10.320	75	83011	9.35	ug/L		98
44) 2-hexanone	10.983	43	18432	9.45	ug/L		91

10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101004.D
Acq On : 10 Oct 2007 7:03 am
Operator : NLT
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 07:26:07 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

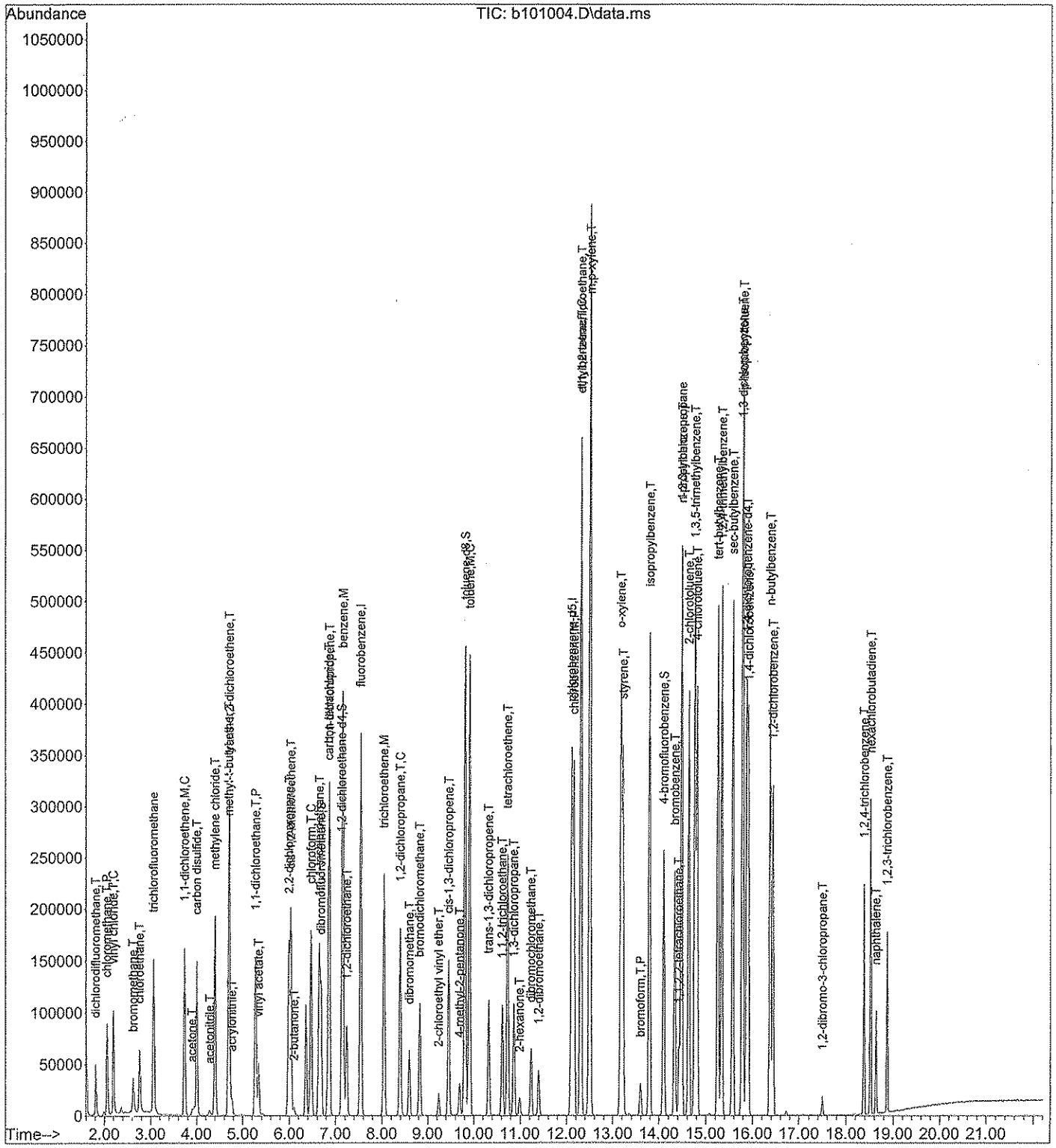
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) dibromochloromethane	11.232	129	49985	9.01	ug/L	98
46) 1,2-dibromoethane	11.396	107	43442	9.09	ug/L	98
47) chlorobenzene	12.150	112	283207	8.75	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.303	131	84576	9.10	ug/L	99
49) ethylbenzene	12.296	91	506396	8.41	ug/L	99
50) m,p-xylene	12.497	106	413785	16.86	ug/L	99
51) o-xylene	13.166	106	187924	8.33	ug/L	99
52) styrene	13.215	104	278248	8.51	ug/L	98
53) isopropylbenzene	13.786	105	483528	9.44	ug/L	100
54) bromobenzene	14.334	156	99606	8.84	ug/L	96
55) bromoform	13.592	173	23016	9.40	ug/L	95
57) 1,2,3-trichloropropane	14.474	110	14781	9.37	ug/L	98
58) n-propylbenzene	14.480	91	572702	8.67	ug/L	100
59) 2-chlorotoluene	14.632	91	336995	8.56	ug/L	98
60) 4-chlorotoluene	14.808	91	393280	8.88	ug/L	99
61) 1,3,5-trimethylbenzene	14.759	105	409124	8.63	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.419	83	47036	9.25	ug/L	97
64) tert-butylbenzene	15.252	119	334776	8.02	ug/L	100
65) sec-butylbenzene	15.574	105	474311	7.83	ug/L	100
66) 1,2,4-trimethylbenzene	15.337	105	396565	7.98	ug/L	100
67) 1,3-dichlorobenzene	15.775	146	208017	8.68	ug/L	99
68) p-isopropyltoluene	15.793	119	410950	8.57	ug/L	100
69) 1,4-dichlorobenzene	15.909	146	202613	8.73	ug/L	99
70) 1,2-dichlorobenzene	16.432	146	171809	9.00	ug/L	99
71) n-butylbenzene	16.371	91	307770	8.20	ug/L	98
72) 1,2-dibromo-3-chloropr...	17.490	75	5219	9.39	ug/L	95
73) 1,2,4-trichlorobenzene	18.378	180	73421	8.80	ug/L	99
74) hexachlorobutadiene	18.518	225	64572	8.63	ug/L	98
75) naphthalene	18.633	128	79139	7.79	ug/L	100
76) 1,2,3-trichlorobenzene	18.870	180	53983	9.54	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101004.D
Acq On : 10 Oct 2007 7:03 am
Operator : NLT
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 07:26:07 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



MATRIX SPIKE/MATRIX SPIKE DUPLICATE RAW DATA

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100919.D
Acq On : 9 Oct 2007 4:45 pm
Operator : BR
Sample : ,SAMP,ME0709B03-01A,1,
Misc : 8260_W25
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 09 19:14:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.538	96	447363	10.00	ug/L	0.00
35) chlorobenzene-d5	12.105	117	297729	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.875	152	100983	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.687	113	87324	10.37	ug/L	0.00
Spiked Amount 10.000			Recovery =	103.70%		
26) 1,2-dichloroethane-d4	7.131	65	77524	10.57	ug/L	0.00
Spiked Amount 10.000			Recovery =	105.70%		
38) toluene-d8	9.800	98	424068	9.78	ug/L	0.00
Spiked Amount 10.000			Recovery =	97.80%		
56) 4-bromofluorobenzene	14.100	95	118804	8.99	ug/L	0.00
Spiked Amount 10.000			Recovery =	89.90%		
Target Compounds						Qvalue

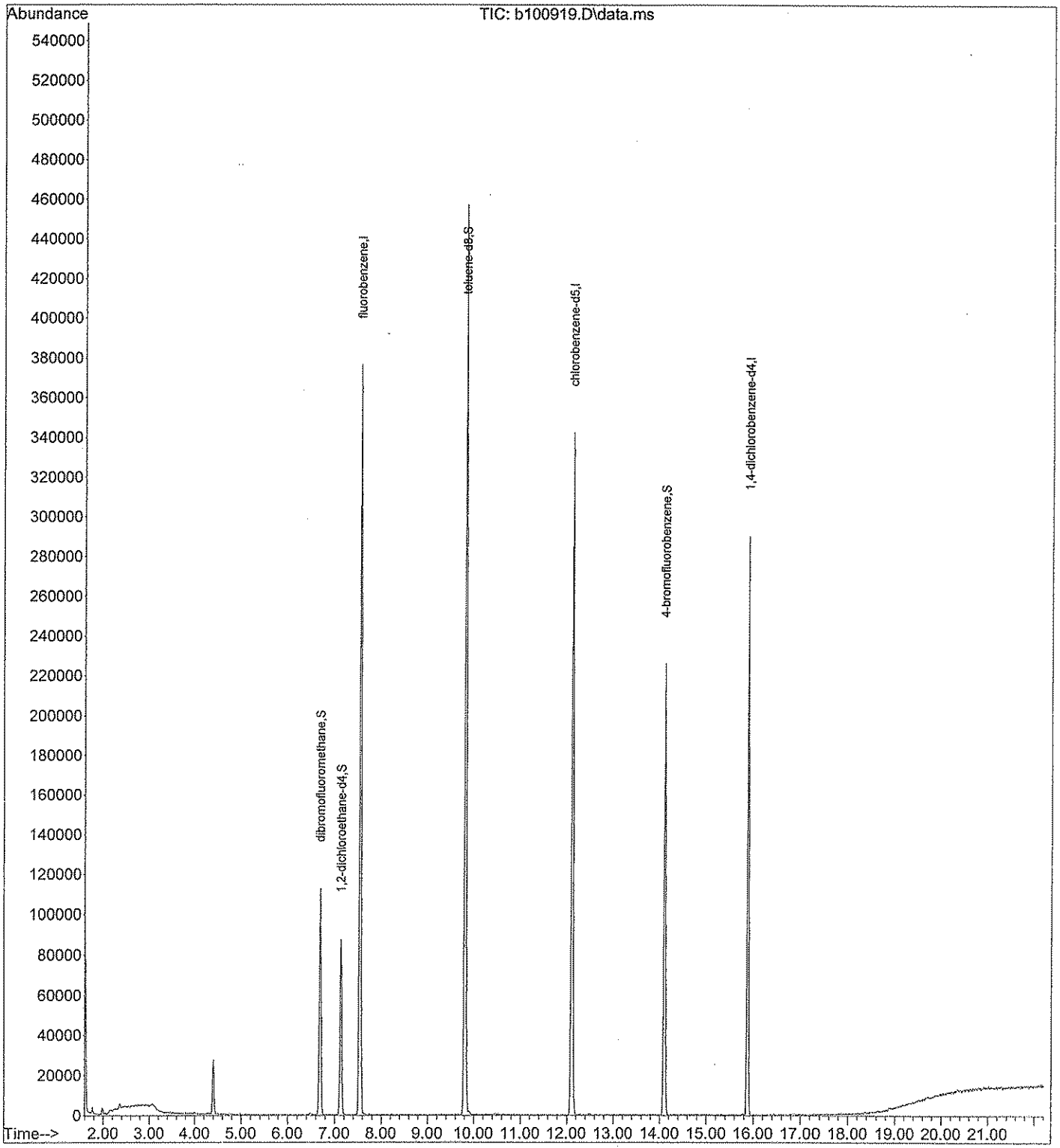
(#) = qualifier out of range (m) = manual integration (+) = signals summed

10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100919.D
Acq On : 9 Oct 2007 4:45 pm
Operator : BR
Sample : ,SAMP,ME0709B03-01A,1,
Misc : 8260_W25
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 09 19:14:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100920.D
Acq On : 9 Oct 2007 5:17 pm
Operator : BR
Sample : ,MS,ME0709B03-01AMS,1,
Misc : 8260_W25
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 09 19:14:31 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.541	96	452180	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	306296	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	144872	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.683	113	90736	10.66	ug/L		0.00
Spiked Amount 10.000			Recovery = 106.60%				
26) 1,2-dichloroethane-d4	7.133	65	79813	10.76	ug/L		0.00
Spiked Amount 10.000			Recovery = 107.60%				
38) toluene-d8	9.803	98	437675	9.81	ug/L		0.00
Spiked Amount 10.000			Recovery = 98.10%				
56) 4-bromofluorobenzene	14.096	95	136388	10.03	ug/L		0.00
Spiked Amount 10.000			Recovery = 100.30%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	42026	6.15	ug/L		98
3) chloromethane	2.055	50	104703	8.72	ug/L		99
4) vinyl chloride	2.195	62	99810	7.94	ug/L		99
5) bromomethane	2.621	94	26519	6.51	ug/L		95
6) chloroethane	2.761	64	59739	8.06	ug/L		96
7) trichlorofluoromethane	3.059	101	128564	9.22	ug/L	#	98
9) 1,1-dichloroethene	3.734	96	82428	7.52	ug/L		98
10) acetone	3.898	43	10296	9.44	ug/L		88
11) carbon disulfide	4.001	76	734751	21.54	ug/L		100
12) methylene chloride	4.397	84	115417	9.24	ug/L		97
13) acrylonitrile	4.768	53	15162	13.42	ug/L		98
14) trans-1,2-dichloroethene	4.707	96	110978	8.87	ug/L		97
15) methyl-t-butyl ether	4.695	73	150256	9.61	ug/L		98
16) acetonitrile	4.281	41	5452	10.73	ug/L	#	79
17) 1,1-dichloroethane	5.266	63	209739	9.28	ug/L		99
18) vinyl acetate	5.333	43	93373	14.56	ug/L		99
19) cis-1,2-dichloroethene	6.033	96	114894	8.82	ug/L		97
20) 2,2-dichloropropane	5.990	77	161409	9.09	ug/L		99
21) 2-butanone	6.099	72	3549	11.07	ug/L	#	92
22) chloroform	6.464	83	189314	9.76	ug/L		99
24) 1,1,1-trichloroethane	6.641	97	163969	9.30	ug/L		99
25) carbon tetrachloride	6.847	117	136469	9.42	ug/L		99
27) benzene	7.152	78	472067	9.18	ug/L		100
28) 1,1-dichloropropene	6.860	75	147390	8.91	ug/L		99
29) 1,2-dichloroethane	7.237	62	98140	9.82	ug/L		99
30) trichloroethene	8.039	95	111078	8.92	ug/L		97
31) 1,2-dichloropropane	8.392	63	105991	9.31	ug/L		98
32) dibromomethane	8.593	93	35384	9.76	ug/L		99
33) bromodichloromethane	8.824	83	106659	9.11	ug/L		99
36) cis-1,3-dichloropropene	9.450	75	125897	9.07	ug/L		98
37) 4-methyl-2-pentanone	9.681	43	32355	9.78	ug/L		90
39) toluene	9.900	92	296934	8.85	ug/L		100
40) 1,1,2-trichloroethane	10.618	83	44493	9.49	ug/L		99
41) 1,3-dichloropropane	10.867	76	98600	9.27	ug/L		100
42) tetrachloroethene	10.727	164	97042	9.23	ug/L		97
43) trans-1,3-dichloropropene	10.320	75	90779	10.00	ug/L		98
44) 2-hexanone	10.983	43	18907	9.49	ug/L		93
45) dibromochloromethane	11.232	129	53525	9.44	ug/L		98

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100920.D
Acq On : 9 Oct 2007 5:17 pm
Operator : BR
Sample : ,MS,ME0709B03-01AMS,1,
Misc : 8260_W25
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 09 19:14:31 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

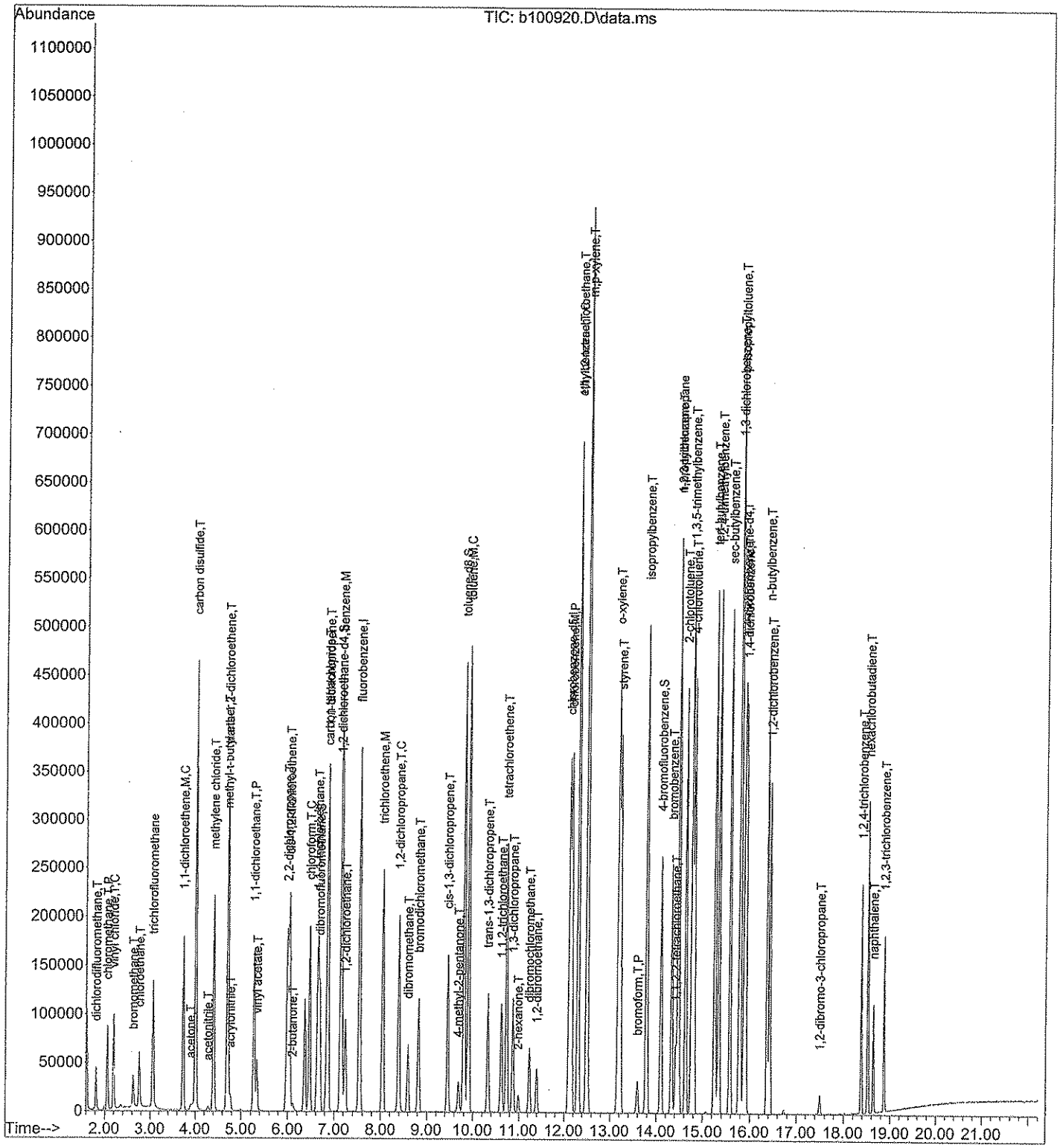
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,2-dibromoethane	11.396	107	47000	9.63	ug/L	98
47) chlorobenzene	12.150	112	302035	9.13	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.302	131	90853	9.56	ug/L	99
49) ethylbenzene	12.302	91	540486	8.78	ug/L	100
50) m,p-xylene	12.497	106	443868	17.69	ug/L	100
51) o-xylene	13.166	106	201345	8.73	ug/L	99
52) styrene	13.215	104	299644	8.96	ug/L	98
53) isopropylbenzene	13.786	105	520164	9.93	ug/L	100
54) bromobenzene	14.334	156	104938	9.11	ug/L	97
55) bromoform	13.598	173	24388	9.75	ug/L	97
57) 1,2,3-trichloropropane	14.473	110	15886	9.86	ug/L	98
58) n-propylbenzene	14.473	91	612344	9.07	ug/L	99
59) 2-chlorotoluene	14.632	91	357695	8.89	ug/L	99
60) 4-chlorotoluene	14.808	91	409829	9.06	ug/L	99
61) 1,3,5-trimethylbenzene	14.759	105	436999	9.02	ug/L	99
63) 1,1,2,2-tetrachloroethane	14.419	83	49613	9.49	ug/L	97
64) tert-butylbenzene	15.252	119	359486	8.37	ug/L	100
65) sec-butylbenzene	15.574	105	503311	8.07	ug/L	100
66) 1,2,4-trimethylbenzene	15.337	105	419475	8.20	ug/L	99
67) 1,3-dichlorobenzene	15.775	146	218402	8.86	ug/L	98
68) p-isopropyltoluene	15.793	119	434290	8.81	ug/L	100
69) 1,4-dichlorobenzene	15.903	146	210275	8.81	ug/L	100
70) 1,2-dichlorobenzene	16.432	146	178546	9.09	ug/L	99
71) n-butylbenzene	16.371	91	326295	8.45	ug/L	99
72) 1,2-dibromo-3-chloropr...	17.496	75	5434	9.50	ug/L	92
73) 1,2,4-trichlorobenzene	18.378	180	76835	8.95	ug/L	98
74) hexachlorobutadiene	18.518	225	68092	8.84	ug/L	98
75) naphthalene	18.633	128	86629	8.29	ug/L	100
76) 1,2,3-trichlorobenzene	18.870	180	56559	9.71	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100920.D
Acq On : 9 Oct 2007 5:17 pm
Operator : BR
Sample : ,MS,ME0709B03-01AMS,1,
Misc : 8260_W25
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 09 19:14:31 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100921.D
Acq On : 9 Oct 2007 5:49 pm
Operator : BR
Sample : ,MSD,ME0709B03-01AMSD,1,
Misc : 8260_W25
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 09 19:14:36 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	457920	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	309459	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	143201	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.684	113	91459	10.61	ug/L		0.00
Spiked Amount 10.000			Recovery =	106.10%			
26) 1,2-dichloroethane-d4	7.134	65	80016	10.66	ug/L		0.00
Spiked Amount 10.000			Recovery =	106.60%			
38) toluene-d8	9.797	98	445453	9.89	ug/L		0.00
Spiked Amount 10.000			Recovery =	98.90%			
56) 4-bromofluorobenzene	14.097	95	137658	10.02	ug/L		0.00
Spiked Amount 10.000			Recovery =	100.20%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	42915	6.20	ug/L		98
3) chloromethane	2.056	50	105186	8.65	ug/L		99
4) vinyl chloride	2.195	62	102950	8.08	ug/L		97
5) bromomethane	2.621	94	27512	6.67	ug/L		95
6) chloroethane	2.761	64	61424	8.18	ug/L		96
7) trichlorofluoromethane	3.059	101	126309	8.94	ug/L	#	99
9) 1,1-dichloroethene	3.734	96	85616	7.71	ug/L		99
10) acetone	3.898	43	10894	9.87	ug/L		88
11) carbon disulfide	4.002	76	765382	22.16	ug/L		99
12) methylene chloride	4.397	84	116873	9.24	ug/L		100
13) acrylonitrile	4.768	53	15278	13.35	ug/L		94
14) trans-1,2-dichloroethene	4.707	96	112889	8.91	ug/L		100
15) methyl-t-butyl ether	4.695	73	154792	9.77	ug/L		96
16) acetonitrile	4.294	41	6699	13.02	ug/L		92
17) 1,1-dichloroethane	5.267	63	212663	9.29	ug/L		99
18) vinyl acetate	5.333	43	96175	14.80	ug/L		99
19) cis-1,2-dichloroethene	6.033	96	119574	9.07	ug/L		96
20) 2,2-dichloropropane	5.984	77	164960	9.17	ug/L		99
21) 2-butanone	6.106	72	3467	10.68	ug/L	#	90
22) chloroform	6.465	83	193296	9.84	ug/L		100
24) 1,1,1-trichloroethane	6.641	97	169356	9.49	ug/L		99
25) carbon tetrachloride	6.848	117	140384	9.57	ug/L		100
27) benzene	7.152	78	482903	9.28	ug/L		99
28) 1,1-dichloropropene	6.860	75	152356	9.09	ug/L		100
29) 1,2-dichloroethane	7.237	62	100007	9.88	ug/L		98
30) trichloroethene	8.040	95	115182	9.14	ug/L		98
31) 1,2-dichloropropane	8.392	63	107847	9.35	ug/L		97
32) dibromomethane	8.593	93	35652	9.71	ug/L		97
33) bromodichloromethane	8.818	83	109903	9.27	ug/L		98
36) cis-1,3-dichloropropene	9.451	75	129331	9.23	ug/L		97
37) 4-methyl-2-pentanone	9.688	43	33278	9.95	ug/L		97
39) toluene	9.901	92	304806	8.99	ug/L		99
40) 1,1,2-trichloroethane	10.612	83	45704	9.65	ug/L		99
41) 1,3-dichloropropane	10.867	76	100502	9.35	ug/L		99
42) tetrachloroethene	10.728	164	98515	9.27	ug/L		98
43) trans-1,3-dichloropropene	10.320	75	93454	10.19	ug/L		98
44) 2-hexanone	10.989	43	19604	9.74	ug/L		97
45) dibromochloromethane	11.232	129	55002	9.60	ug/L		98

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100921.D
Acq On : 9 Oct 2007 5:49 pm
Operator : BR
Sample : ,MSD,ME0709B03-01AMSD,1,
Misc : 8260_W25
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 09 19:14:36 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

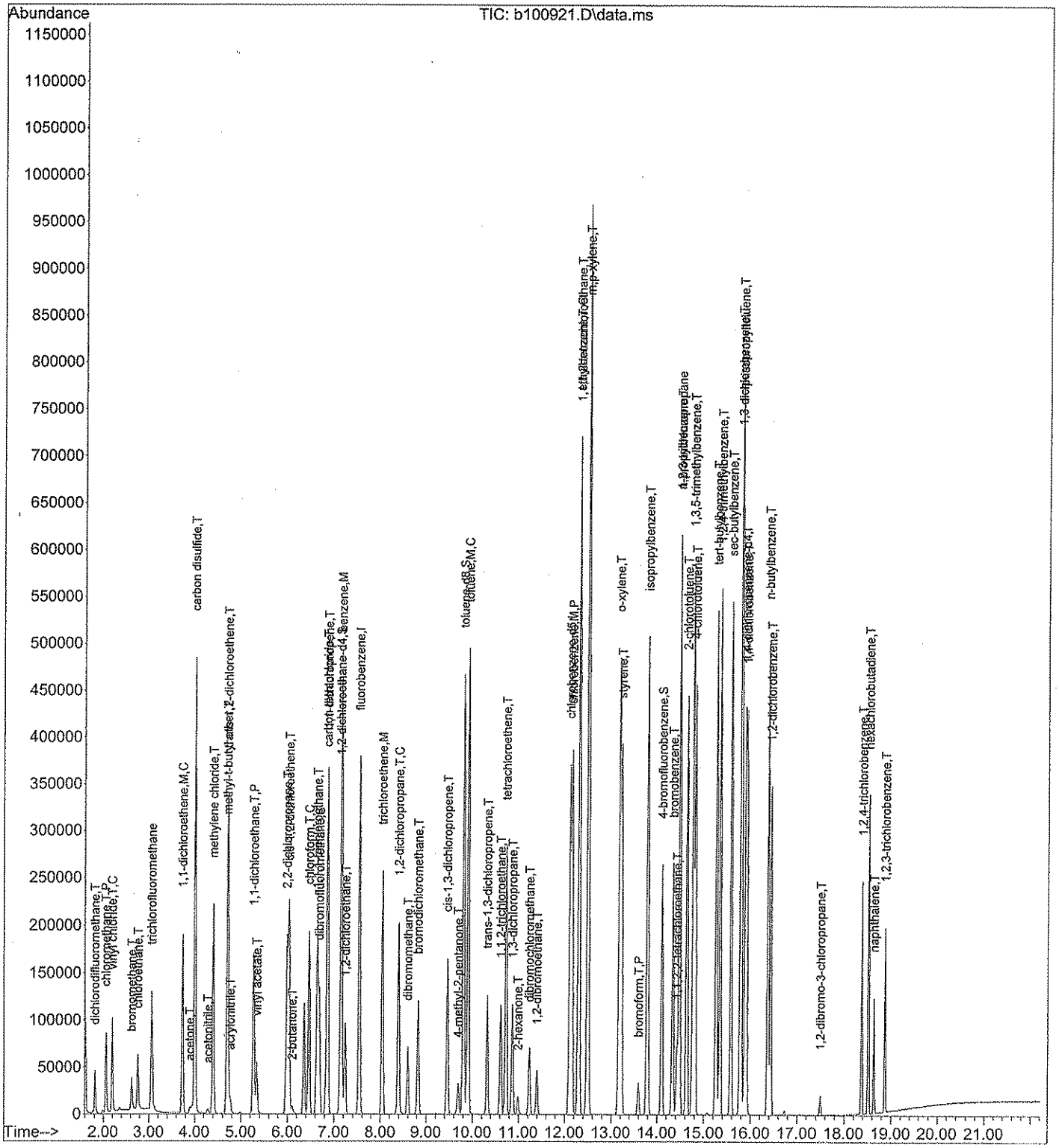
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,2-dibromoethane	11.397	107	48276	9.79	ug/L	98
47) chlorobenzene	12.151	112	308862	9.24	ug/L	98
48) 1,1,1,2-tetrachloroethane	12.303	131	92646	9.65	ug/L	99
49) ethylbenzene	12.297	91	556819	8.96	ug/L	100
50) m,p-xylene	12.491	106	456053	17.99	ug/L	99
51) o-xylene	13.166	106	206687	8.87	ug/L	98
52) styrene	13.215	104	306704	9.08	ug/L	98
53) isopropylbenzene	13.787	105	536772	10.14	ug/L	100
54) bromobenzene	14.334	156	107476	9.24	ug/L	97
55) bromoform	13.598	173	25064	9.91	ug/L	98
57) 1,2,3-trichloropropane	14.474	110	16541	10.16	ug/L	97
58) n-propylbenzene	14.474	91	629943	9.24	ug/L	99
59) 2-chlorotoluene	14.632	91	366494	9.01	ug/L	99
60) 4-chlorotoluene	14.808	91	423069	9.25	ug/L	99
61) 1,3,5-trimethylbenzene	14.760	105	446551	9.12	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.425	83	50637	9.79	ug/L	95
64) tert-butylbenzene	15.252	119	373729	8.80	ug/L	100
65) sec-butylbenzene	15.574	105	526383	8.54	ug/L	99
66) 1,2,4-trimethylbenzene	15.337	105	433363	8.57	ug/L	100
67) 1,3-dichlorobenzene	15.775	146	225902	9.27	ug/L	98
68) p-isopropyltoluene	15.793	119	454117	9.32	ug/L	99
69) 1,4-dichlorobenzene	15.903	146	216024	9.15	ug/L	99
70) 1,2-dichlorobenzene	16.432	146	182670	9.41	ug/L	100
71) n-butylbenzene	16.371	91	340683	8.93	ug/L	98
72) 1,2-dibromo-3-chloropr...	17.490	75	5685	10.05	ug/L	84
73) 1,2,4-trichlorobenzene	18.378	180	81102	9.56	ug/L	98
74) hexachlorobutadiene	18.518	225	71233	9.36	ug/L	98
75) naphthalene	18.633	128	93229	9.02	ug/L	100
76) 1,2,3-trichlorobenzene	18.871	180	61480	10.68	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100921.D
Acq On : 9 Oct 2007 5:49 pm
Operator : BR
Sample : ,MSD,ME0709B03-01AMSD,1,
Misc : 8260_W25
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 09 19:14:36 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101029.D
Acq On : 10 Oct 2007 10:12 pm
Operator : BR
Sample : ,MS,ME0710076-05AMS,1,
Misc : 8260+_W25
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 11 06:53:20 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.536	96	419913	10.00	ug/L		0.00
35) chlorobenzene-d5	12.103	117	285144	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.874	152	141048	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.685	113	88091	11.14	ug/L		0.00
Spiked Amount 10.000			Recovery =	111.40%			
26) 1,2-dichloroethane-d4	7.135	65	76152	11.06	ug/L		0.00
Spiked Amount 10.000			Recovery =	110.60%			
38) toluene-d8	9.799	98	424146	10.22	ug/L		0.00
Spiked Amount 10.000			Recovery =	102.20%			
56) 4-bromofluorobenzene	14.098	95	132934	10.50	ug/L		0.00
Spiked Amount 10.000			Recovery =	105.00%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.814	85	27329	4.31	ug/L		99
3) chloromethane	2.063	50	80212	7.19	ug/L		99
4) vinyl chloride	2.197	62	80231	6.87	ug/L		98
5) bromomethane	2.623	94	18283	4.84	ug/L		98
6) chloroethane	2.756	64	56232	8.17	ug/L		96
7) trichlorofluoromethane	3.060	101	122756	9.48	ug/L	#	100
9) 1,1-dichloroethene	3.735	96	70246	6.90	ug/L		99
10) acetone	3.900	43	10780	10.65	ug/L		93
11) carbon disulfide	4.003	76	253075	7.99	ug/L		100
12) methylene chloride	4.398	84	99178	8.55	ug/L		98
13) acrylonitrile	4.769	53	14270	13.60	ug/L		97
14) trans-1,2-dichloroethene	4.708	96	98884	8.51	ug/L		99
15) methyl-t-butyl ether	4.696	73	134991	9.29	ug/L		97
16) acetonitrile	4.283	41	6155	13.04	ug/L	#	87
17) 1,1-dichloroethane	5.268	63	186219	8.87	ug/L		100
18) vinyl acetate	5.335	43	77080	12.94	ug/L		98
19) cis-1,2-dichloroethene	6.034	96	103807	8.58	ug/L		97
20) 2,2-dichloropropane	5.986	77	138480	8.40	ug/L		99
21) 2-butanone	6.101	72	3231	10.85	ug/L		93
22) chloroform	6.466	83	172095	9.55	ug/L		98
24) 1,1,1-trichloroethane	6.642	97	147555	9.01	ug/L		100
25) carbon tetrachloride	6.843	117	123050	9.15	ug/L		100
27) benzene	7.153	78	429614	9.00	ug/L		99
28) 1,1-dichloropropene	6.861	75	129882	8.45	ug/L		99
29) 1,2-dichloroethane	7.232	62	88438	9.53	ug/L		97
30) trichloroethene	8.041	95	102172	8.84	ug/L		97
31) 1,2-dichloropropane	8.394	63	96740	9.15	ug/L		97
32) dibromomethane	8.594	93	32638	9.69	ug/L		99
33) bromodichloromethane	8.819	83	98493	9.06	ug/L		98
36) cis-1,3-dichloropropene	9.452	75	110696	8.57	ug/L		99
37) 4-methyl-2-pentanone	9.683	43	30165	9.79	ug/L		92
39) toluene	9.902	92	274619	8.79	ug/L		98
40) 1,1,2-trichloroethane	10.613	83	41393	9.48	ug/L		98
41) 1,3-dichloropropane	10.863	76	90641	9.15	ug/L		100
42) tetrachloroethene	10.729	164	98077	10.02	ug/L		97
43) trans-1,3-dichloropropene	10.322	75	82417	9.75	ug/L		98
44) 2-hexanone	10.990	43	18216	9.82	ug/L		96
45) dibromochloromethane	11.234	129	50427	9.56	ug/L		99

JW 10/11/07 reviewed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101029.D
Acq On : 10 Oct 2007 10:12 pm
Operator : BR
Sample : ,MS,ME0710076-05AMS,1,
Misc : 8260+_W25
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 11 06:53:20 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

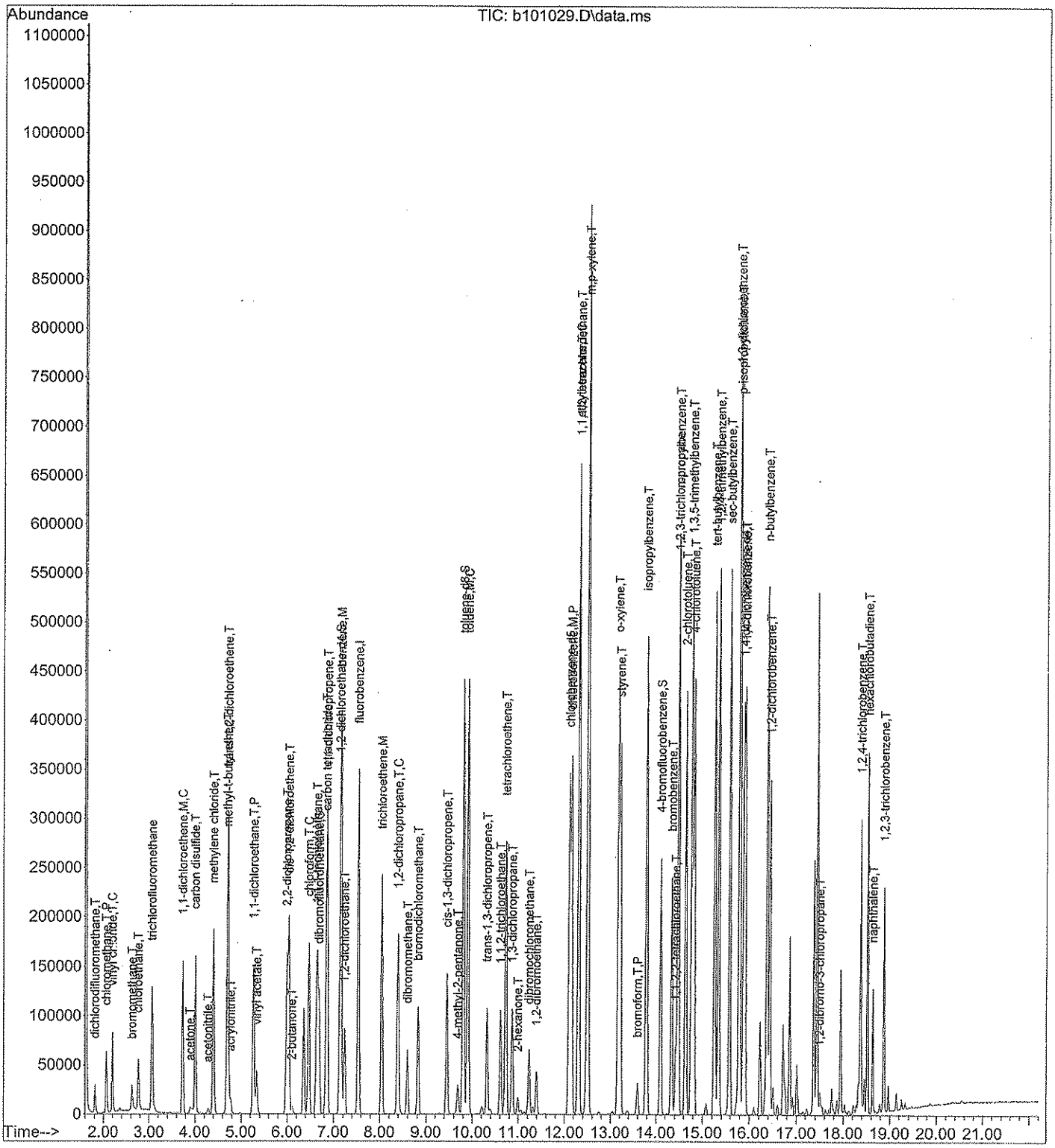
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	1,2-dibromoethane	11.392	107	43491	9.57	ug/L		100
47)	chlorobenzene	12.146	112	288231	9.35	ug/L		98
48)	1,1,1,2-tetrachloroethane	12.304	131	85190	9.63	ug/L		100
49)	ethylbenzene	12.298	91	514958	8.99	ug/L		99
50)	m,p-xylene	12.493	106	423226	18.12	ug/L		100
51)	o-xylene	13.168	106	191464	8.92	ug/L		98
52)	styrene	13.210	104	286365	9.20	ug/L		98
53)	isopropylbenzene	13.782	105	507320	10.40	ug/L		100
54)	bromobenzene	14.335	156	102892	9.60	ug/L		96
55)	bromoform	13.593	173	22939	9.85	ug/L		93
57)	1,2,3-trichloropropane	14.469	110	15434	10.29	ug/L		100
58)	n-propylbenzene	14.475	91	607812	9.67	ug/L		100
59)	2-chlorotoluene	14.633	91	348276	9.29	ug/L		98
60)	4-chlorotoluene	14.810	91	404253	9.59	ug/L		99
61)	1,3,5-trimethylbenzene	14.761	105	425017	9.42	ug/L		100
63)	1,1,2,2-tetrachloroethane	14.420	83	48402	9.51	ug/L		97
64)	tert-butylbenzene	15.254	119	359708	8.60	ug/L		99
65)	sec-butylbenzene	15.576	105	527035	8.68	ug/L		99
66)	1,2,4-trimethylbenzene	15.339	105	420276	8.44	ug/L		100
67)	1,3-dichlorobenzene	15.777	146	222038	9.25	ug/L		99
68)	p-isopropyltoluene	15.795	119	454323	9.46	ug/L		99
69)	1,4-dichlorobenzene	15.904	146	216425	9.31	ug/L		97
70)	1,2-dichlorobenzene	16.433	146	184801	9.67	ug/L		97
71)	n-butylbenzene	16.372	91	380209	10.11	ug/L		99
72)	1,2-dibromo-3-chloropr...	17.491	75	5763	10.35	ug/L	#	84
73)	1,2,4-trichlorobenzene	18.373	180	95530	11.43	ug/L		97
74)	hexachlorobutadiene	18.519	225	76564	10.21	ug/L		100
75)	naphthalene	18.635	128	99434	9.77	ug/L		100
76)	1,2,3-trichlorobenzene	18.872	180	69291	12.22	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101029.D
Acq On : 10 Oct 2007 10:12 pm
Operator : BR
Sample : ,MS,ME0710076-05AMS,1,
Misc : 8260+_W25
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 11 06:53:20 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101030.D
Acq On : 10 Oct 2007 10:44 pm
Operator : BR
Sample : ,MSD,ME0710076-05AMSD,1,
Misc : 8260+_W25
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 11 06:53:42 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.541	96	443163	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	296034	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	140779	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.683	113	91699	10.99	ug/L		0.00
Spiked Amount 10.000			Recovery =	109.90%			
26) 1,2-dichloroethane-d4	7.133	65	80303	11.05	ug/L		0.00
Spiked Amount 10.000			Recovery =	110.50%			
38) toluene-d8	9.803	98	440107	10.21	ug/L		0.00
Spiked Amount 10.000			Recovery =	102.10%			
56) 4-bromofluorobenzene	14.096	95	137536	10.47	ug/L		0.00
Spiked Amount 10.000			Recovery =	104.70%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	26890	4.02	ug/L		100
3) chloromethane	2.055	50	80291	6.82	ug/L		98
4) vinyl chloride	2.195	62	81222	6.59	ug/L		99
5) bromomethane	2.621	94	18977	4.76	ug/L		95
6) chloroethane	2.755	64	56238	7.74	ug/L		99
7) trichlorofluoromethane	3.065	101	117451	8.59	ug/L	#	98
9) 1,1-dichloroethene	3.734	96	74863	6.97	ug/L		98
10) acetone	3.898	43	11093	10.38	ug/L		90
11) carbon disulfide	4.001	76	250797	7.50	ug/L		99
12) methylene chloride	4.397	84	100057	8.17	ug/L		97
13) acrylonitrile	4.768	53	14753	13.32	ug/L		95
14) trans-1,2-dichloroethene	4.707	96	100067	8.16	ug/L		99
15) methyl-t-butyl ether	4.695	73	148002	9.66	ug/L		96
16) acetonitrile	4.275	41	6190	12.43	ug/L	#	89
17) 1,1-dichloroethane	5.266	63	192646	8.69	ug/L		99
18) vinyl acetate	5.333	43	83581	13.29	ug/L		97
19) cis-1,2-dichloroethene	6.033	96	106910	8.38	ug/L		97
20) 2,2-dichloropropane	5.990	77	141766	8.15	ug/L		99
21) 2-butanone	6.099	72	3237	10.30	ug/L		86
22) chloroform	6.464	83	176732	9.29	ug/L		99
24) 1,1,1-trichloroethane	6.641	97	152354	8.82	ug/L		99
25) carbon tetrachloride	6.848	117	126239	8.89	ug/L		99
27) benzene	7.152	78	439084	8.72	ug/L		100
28) 1,1-dichloropropene	6.860	75	137382	8.47	ug/L		100
29) 1,2-dichloroethane	7.237	62	90343	9.22	ug/L		98
30) trichloroethene	8.039	95	105998	8.69	ug/L		100
31) 1,2-dichloropropane	8.392	63	99671	8.93	ug/L		99
32) dibromomethane	8.593	93	33365	9.39	ug/L		98
33) bromodichloromethane	8.818	83	100480	8.76	ug/L		97
36) cis-1,3-dichloropropene	9.456	75	115704	8.63	ug/L		97
37) 4-methyl-2-pentanone	9.687	43	32744	10.24	ug/L		95
39) toluene	9.900	92	282332	8.71	ug/L		99
40) 1,1,2-trichloroethane	10.612	83	42830	9.45	ug/L		96
41) 1,3-dichloropropane	10.861	76	93270	9.07	ug/L		100
42) tetrachloroethene	10.727	164	99595	9.80	ug/L		99
43) trans-1,3-dichloropropene	10.320	75	85788	9.78	ug/L		99
44) 2-hexanone	10.989	43	19266	10.00	ug/L		92
45) dibromochloromethane	11.232	129	51255	9.36	ug/L		93

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101030.D
Acq On : 10 Oct 2007 10:44 pm
Operator : BR
Sample : ,MSD,ME0710076-05AMSD,1,
Misc : 8260+_W25
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 11 06:53:42 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

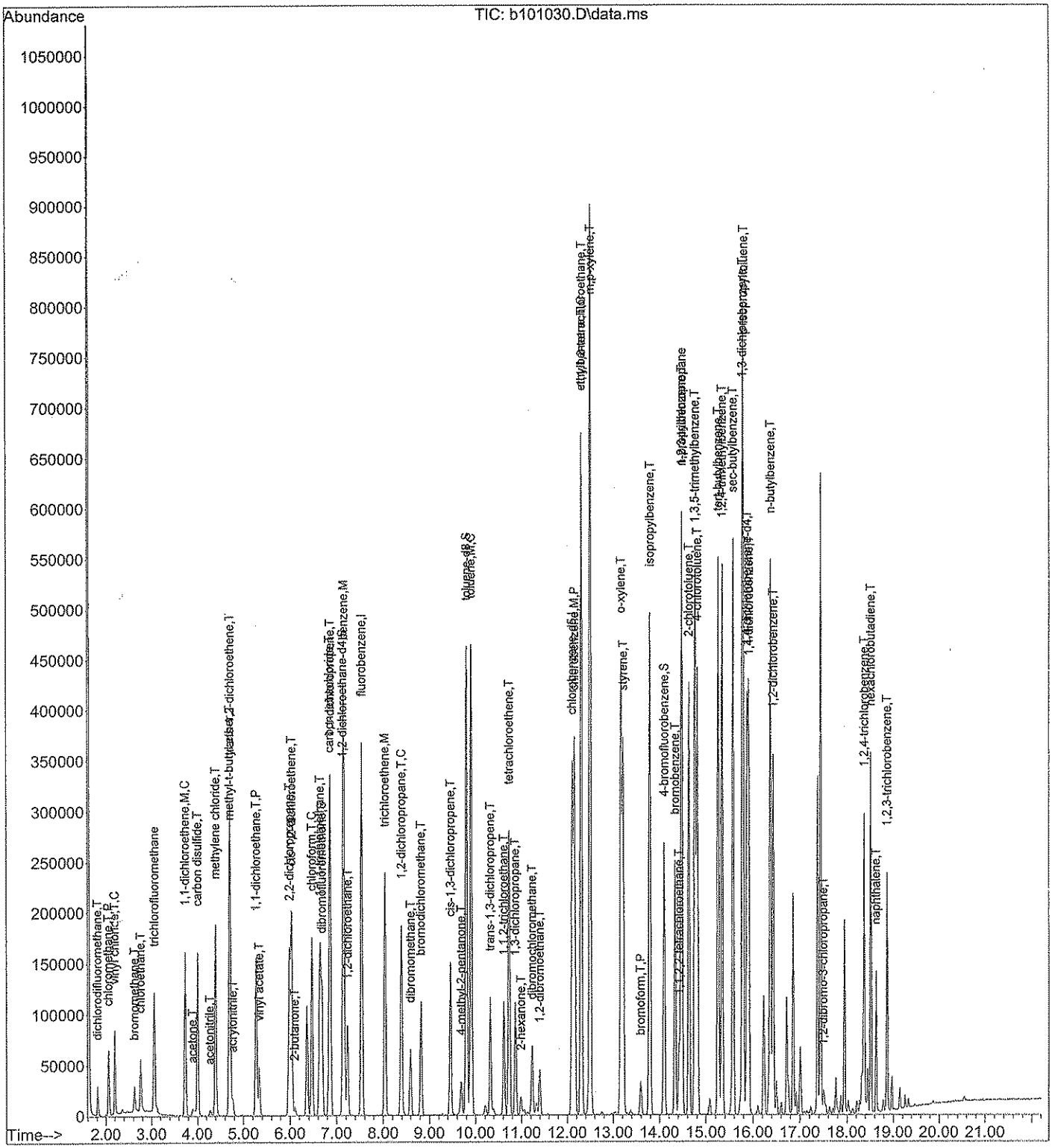
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,2-dibromoethane	11.396	107	45085	9.55	ug/L	100
47) chlorobenzene	12.150	112	292274	9.14	ug/L	98
48) 1,1,1,2-tetrachloroethane	12.302	131	87002	9.48	ug/L	100
49) ethylbenzene	12.296	91	523496	8.80	ug/L	98
50) m,p-xylene	12.497	106	426367	17.59	ug/L	99
51) o-xylene	13.166	106	195416	8.77	ug/L	99
52) styrene	13.215	104	286208	8.86	ug/L	98
53) isopropylbenzene	13.786	105	519138	10.26	ug/L	100
54) bromobenzene	14.334	156	103100	9.27	ug/L	96
55) bromoform	13.592	173	23786	9.83	ug/L	95
57) 1,2,3-trichloropropane	14.473	110	15881	10.19	ug/L	96
58) n-propylbenzene	14.473	91	614595	9.42	ug/L	100
59) 2-chlorotoluene	14.632	91	351386	9.03	ug/L	99
60) 4-chlorotoluene	14.808	91	404962	9.26	ug/L	99
61) 1,3,5-trimethylbenzene	14.759	105	423855	9.05	ug/L	99
63) 1,1,2,2-tetrachloroethane	14.425	83	49594	9.76	ug/L	97
64) tert-butylbenzene	15.252	119	364220	8.72	ug/L	99
65) sec-butylbenzene	15.574	105	534472	8.82	ug/L	99
66) 1,2,4-trimethylbenzene	15.337	105	420870	8.47	ug/L	100
67) 1,3-dichlorobenzene	15.775	146	220909	9.22	ug/L	98
68) p-isopropyltoluene	15.793	119	450519	9.40	ug/L	100
69) 1,4-dichlorobenzene	15.909	146	214397	9.24	ug/L	98
70) 1,2-dichlorobenzene	16.432	146	184621	9.68	ug/L	98
71) n-butylbenzene	16.371	91	379103	10.10	ug/L	100
72) 1,2-dibromo-3-chloropr...	17.490	75	5887	10.59	ug/L	87
73) 1,2,4-trichlorobenzene	18.378	180	96914	11.62	ug/L	97
74) hexachlorobutadiene	18.518	225	76535	10.23	ug/L	99
75) naphthalene	18.633	128	106199	10.45	ug/L	100
76) 1,2,3-trichlorobenzene	18.870	180	71974	12.72	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101030.D
Acq On : 10 Oct 2007 10:44 pm
Operator : BR
Sample : ,MSD,ME0710076-05AMSD,1,
Misc : 8260+_W25
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 11 06:53:42 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

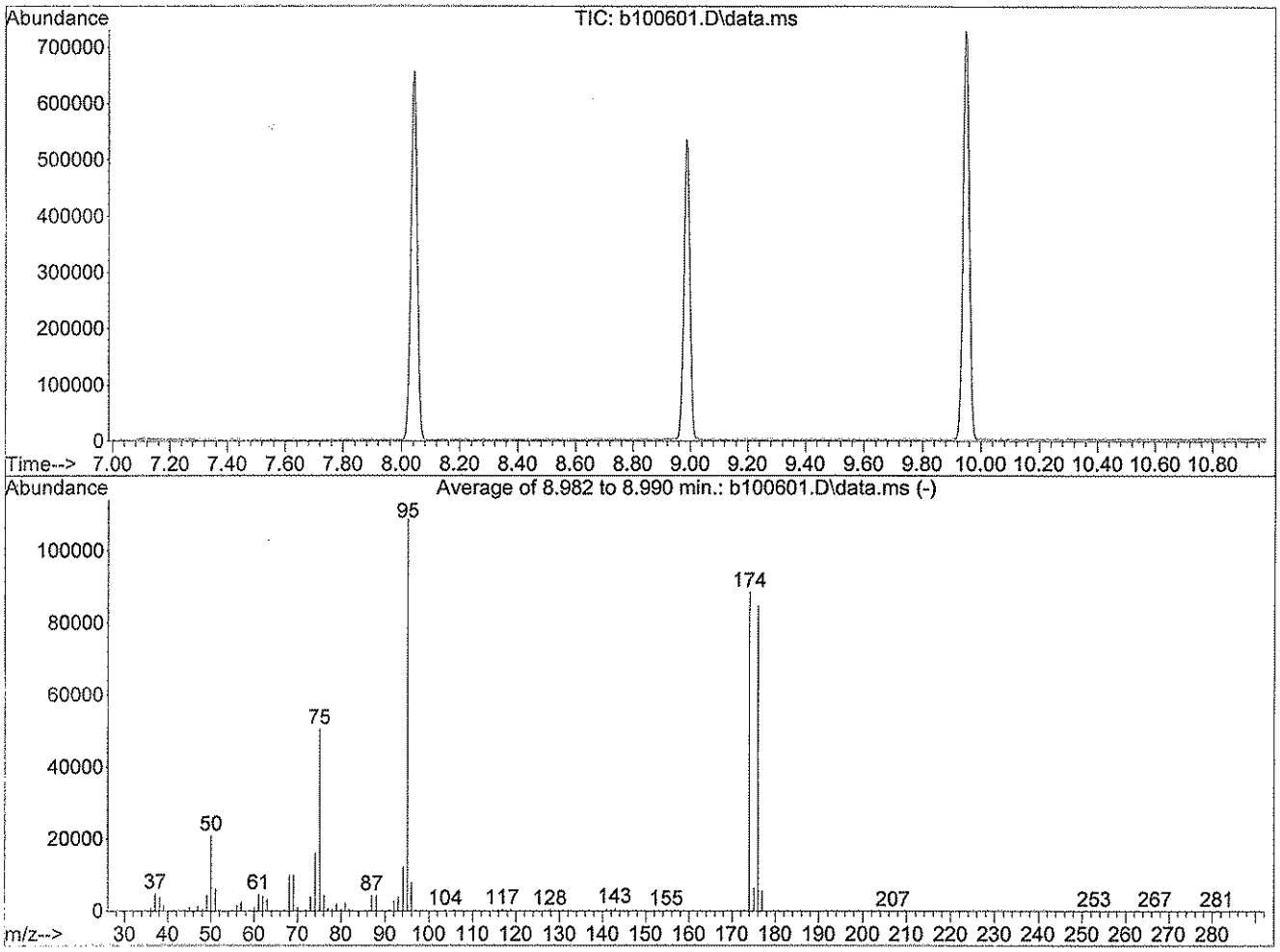


TUNING RAW DATA

Data Path : D:\msdchem\1\data\b100607\
Data File : b100601.D
Acq On : 6 Oct 2007 8:02 pm
Operator : JDB
Sample : ,tune,bfb tune,1,
Misc : bfb
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\wtr1004.M
Title : VOA waterICAL 10/04/07-MISC Included
Last Update : Thu Oct 04 12:58:22 2007



AutoFind: Scans 1896, 1897, 1898; Background Corrected with Scan 1885

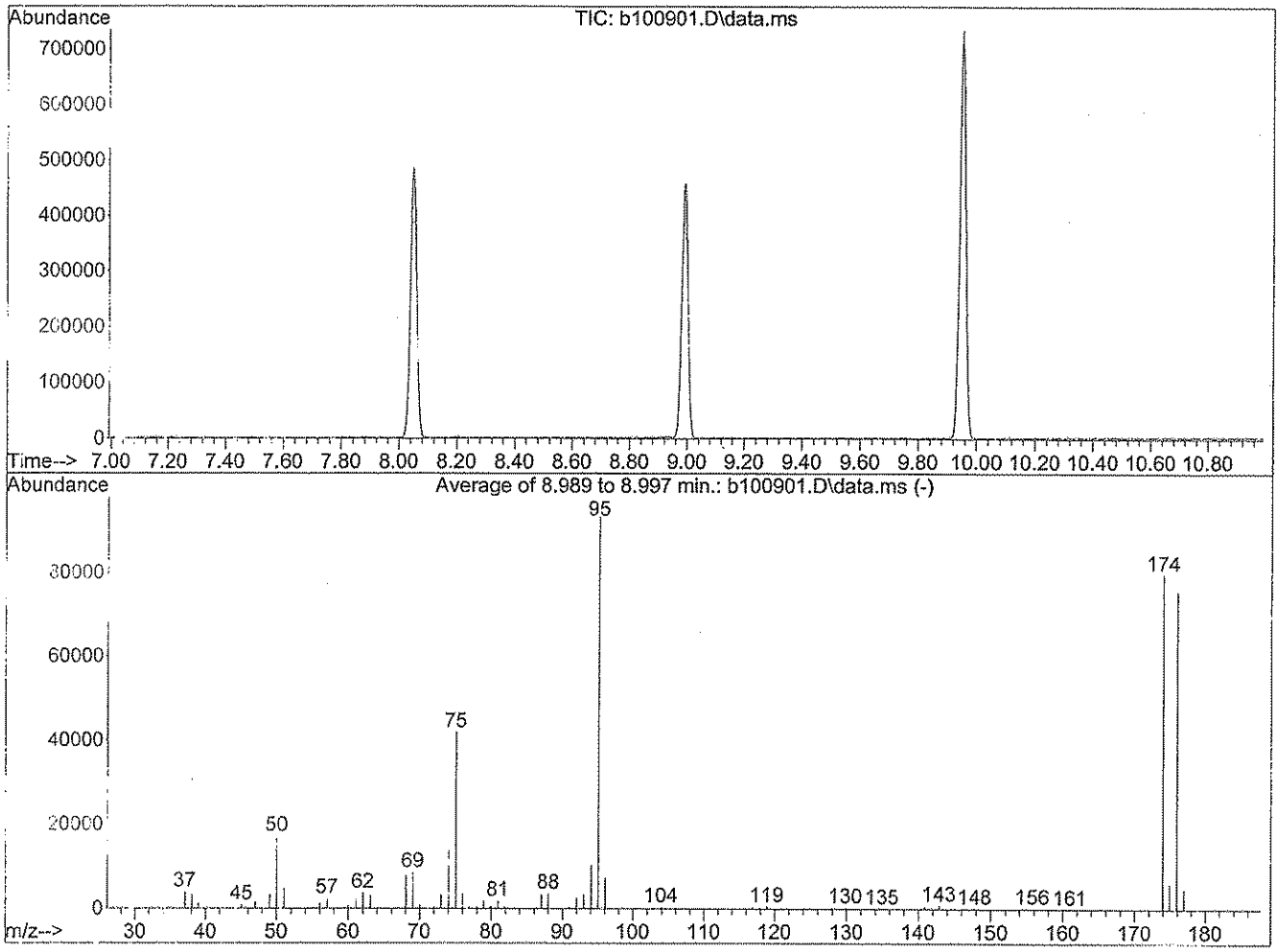
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	21005	PASS
75	95	30	60	46.5	50642	PASS
95	95	100	100	100.0	108824	PASS
96	95	5	9	7.3	7946	PASS
173	174	0.00	2	0.4	364	PASS
174	95	50	250	81.4	88570	PASS
175	174	5	9	7.2	6337	PASS
176	174	95	101	95.7	84762	PASS
177	176	5	9	6.7	5705	PASS

10/7/07

Data Path : d:\msdchem\1\DATA\b100907\
Data File : b100901.D
Acq On : 9 Oct 2007 6:50 am
Operator : CLR
Sample : ,tune,bfb tune,1,
Misc : bfb
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : C:\MSDCHEM\1\METHODS\PTS01.M
Title :
Last Update : Thu Sep 20 15:35:35 2007



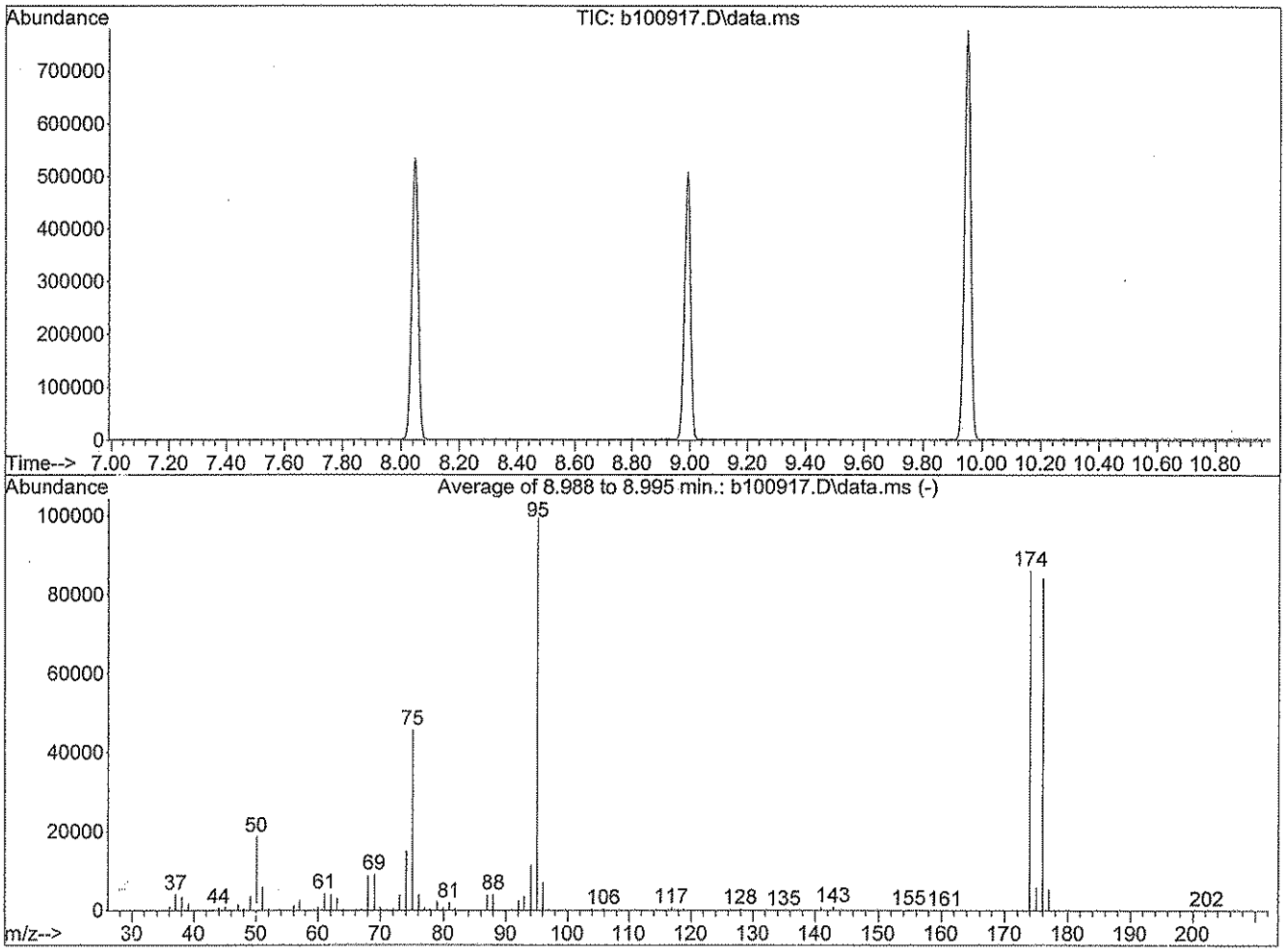
AutoFind: Scans 1898, 1899, 1900; Background Corrected with Scan 1887
AUTOFIND via AUTOINTEGRATE

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	17146	PASS
75	95	30	60	45.0	41917	PASS
95	95	100	100	100.0	93208	PASS
96	95	5	9	7.9	7333	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	85.5	79666	PASS
175	174	5	9	7.6	6023	PASS
176	174	95	101	95.0	75698	PASS
177	176	5	9	6.2	4713	PASS

Data Path : d:\msdchem\1\DATA\b100907\
Data File : b100917.D
Acq On : 9 Oct 2007 3:33 pm
Operator : CLR
Sample : ,tune,bfb tune,1,
Misc : bfb
ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e

Method : C:\MSDCHEM\1\METHODS\PTS01.M
Title :
Last Update : Thu Sep 20 15:35:35 2007



AutoFind: Scans 1897, 1898, 1899; Background Corrected with Scan 1885

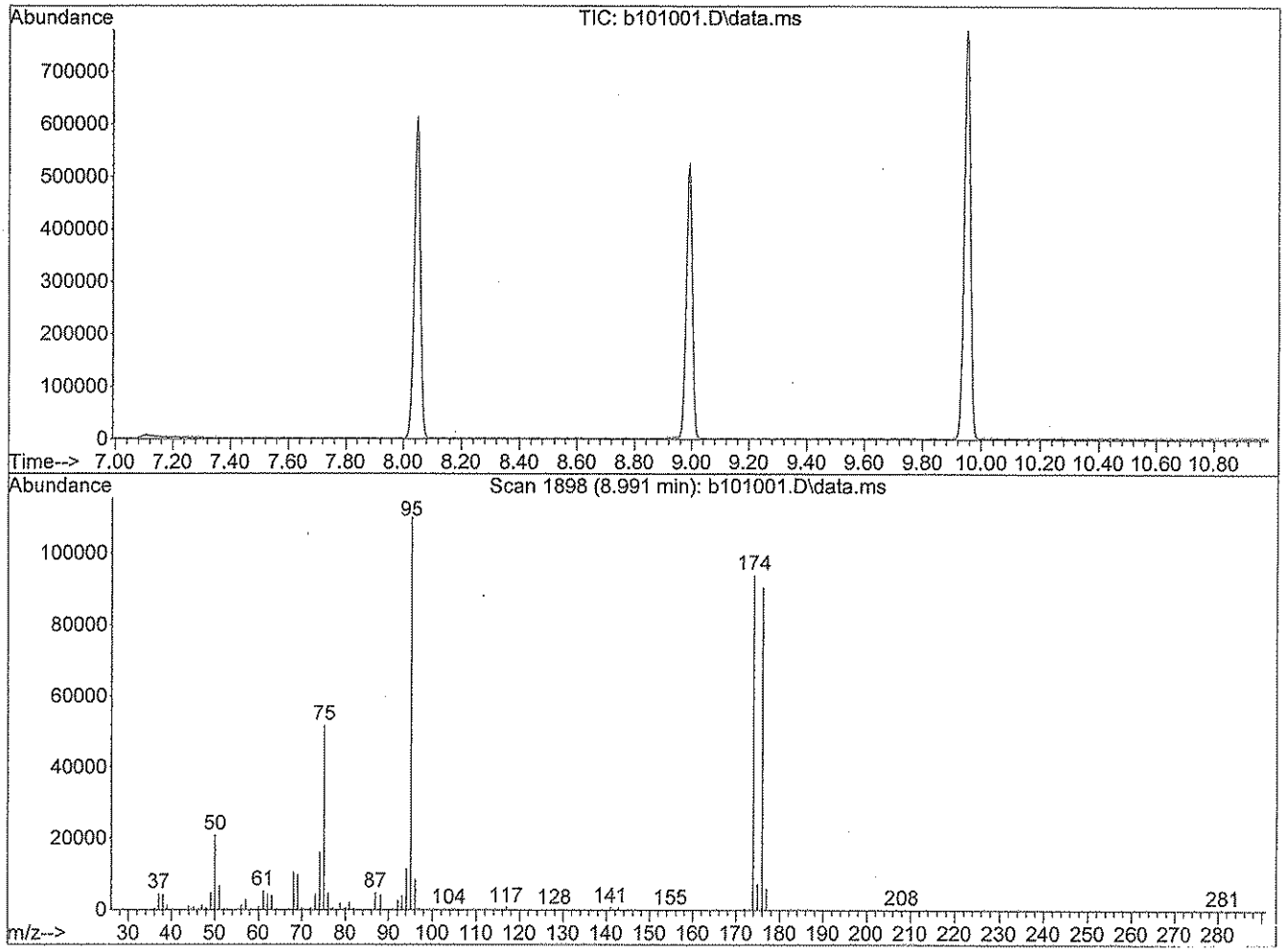
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.9	18741	PASS
75	95	30	60	46.0	45754	PASS
95	95	100	100	100.0	99381	PASS
96	95	5	9	7.2	7161	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.6	86069	PASS
175	174	5	9	6.8	5872	PASS
176	174	95	101	97.9	84232	PASS
177	176	5	9	6.5	5456	PASS

10/9/7

Data Path : D:\msdchem\1\data\b101007\
Data File : b101001.D
Acq On : 10 Oct 2007 5:34 am
Operator : NLT
Sample : ,tune,bfb tune,1,
Misc : bfb
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07
Last Update : Mon Oct 08 16:50:56 2007



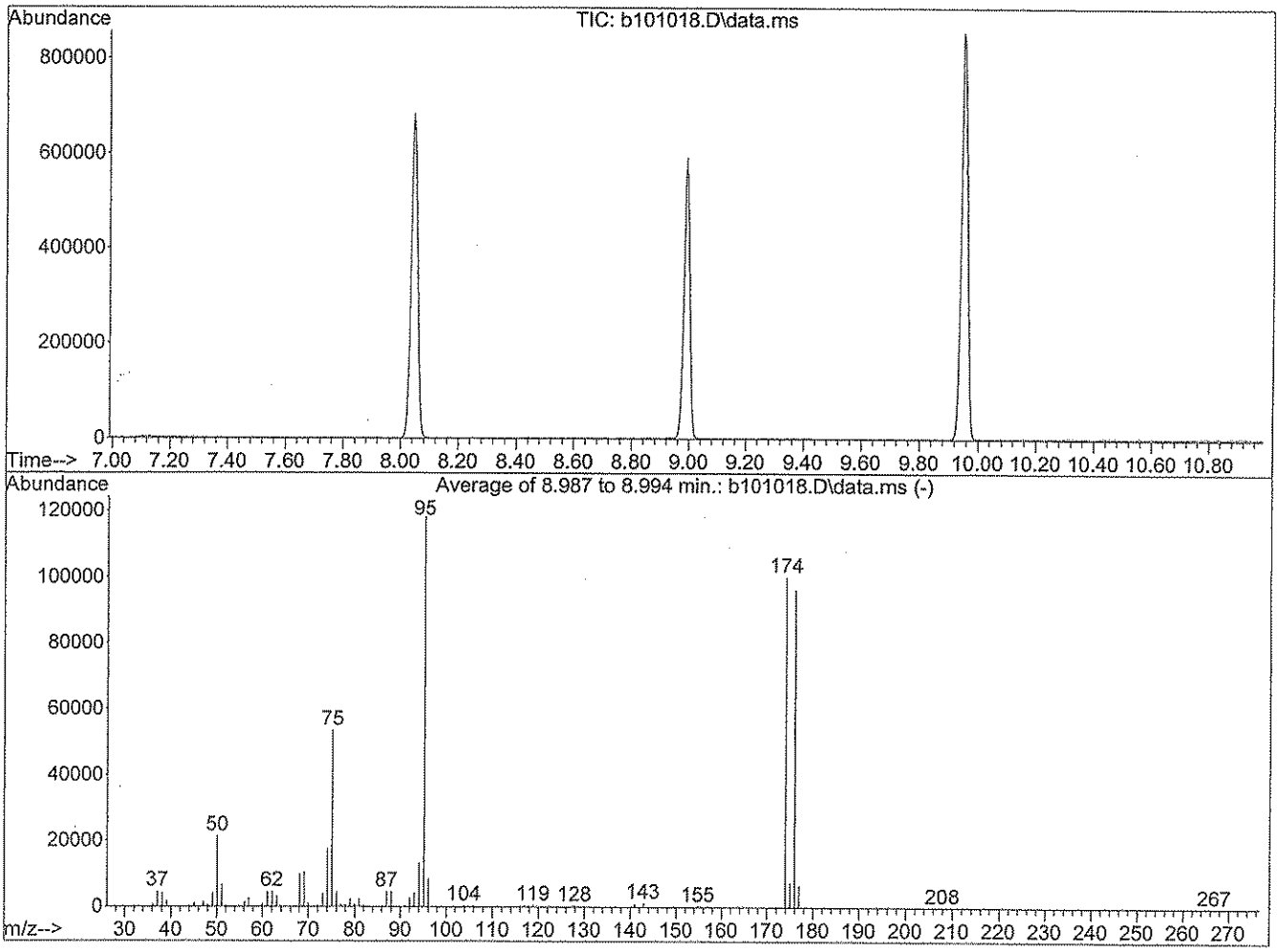
Spectrum Information: Scan 1898

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	21000	PASS
75	95	30	60	47.2	51928	PASS
95	95	100	100	100.0	110048	PASS
96	95	5	9	7.8	8576	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	250	85.5	94096	PASS
175	174	5	9	7.7	7275	PASS
176	174	95	101	96.3	90608	PASS
177	176	5	9	6.6	6009	PASS

Data Path : d:\msdchem\1\DATA\b101007\
Data File : b101018.D
Acq On : 10 Oct 2007 3:23 pm
Operator : NLT
Sample : ,tune,bfb tune,1,
Misc : bfb
ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e

Method : C:\MSDCHEM\1\METHODS\PTS01.M
Title :
Last Update : Thu Sep 20 15:35:35 2007



AutoFind: Scans 1897, 1898, 1899; Background Corrected with Scan 1885

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.1	21482	PASS
75	95	30	60	45.3	53600	PASS
95	95	100	100	100.0	118362	PASS
96	95	5	9	7.2	8509	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	84.7	100210	PASS
175	174	5	9	7.5	7504	PASS
176	174	95	101	96.2	96376	PASS
177	176	5	9	7.0	6710	PASS

INITIAL CALIBRATION RAW DATA

Method Path : C:\msdchem\1\METHODS\
Method File : 25mL1006.M 10/08/07
Title : 25 ml W-ICAL ~~09/28/07~~
Last Update : Mon Oct 08 09:58:43 2007
Response Via : Initial Calibration

Calibration Files
1 =b100602.D 2 =b100603.D 4 =b100604.D 8 =b100605.D 10 =b100606.D 20 =b100607.D
40 =b100608.D

		Compound	1	2	4	8	10	20	40	Avg	%RSD
1)	I	fluorobenzene	ISTD								
2)	T	dichlorodifluo...	0.164	0.143	0.150	0.153	0.152	0.151	0.145	0.151	4.45
3)	T,P	chloromethane	PQL=2	0.265	0.260	0.259	0.266	0.272	0.271	0.266#	2.06
4)	T,C	vinyl chloride	0.303	0.265	0.264	0.270	0.278	0.285	0.282	0.278	4.88
5)	T	bromomethane	0.098	0.087	0.082	0.089	0.094	UQL=10		0.090	7.19
6)	T	chloroethane	0.196	0.165	0.158	0.159	0.161	0.156	0.152	0.164	9.03
7)		trichlorofluor...	0.313	0.296	0.304	0.306	0.314	0.317	0.309	0.308	2.37
8)	T	acrolein	0.006	0.005	0.005	0.005	0.005	0.006	0.006	0.006	6.77
9)	M,C	1,1-dichloroet...	0.253	0.231	0.233	0.243	0.244	0.245	0.248	0.242	3.26
10)	T	acetone	PQL=5		0.026	0.024	0.024	0.024	0.023	0.024	3.68
11)	T	carbon disulfide	0.884	0.703	0.703	0.740	0.744	0.751	0.755	0.754	8.09
12)	T	methylene chlo...	PQL=2	0.351	0.287	0.268	0.262	0.247	0.243	0.276	14.35
13)	T	acrylonitrile	0.026	0.024	0.025	0.024	0.025	0.025	0.025	0.025	3.18
14)	T	trans-1,2-dich...	0.303	0.264	0.260	0.277	0.278	0.277	0.278	0.277	4.95
15)	T	methyl-t-butyl...	0.356	0.348	0.331	0.335	0.341	0.353	0.358	0.346	3.10
16)	T	acetonitrile	0.015	0.012	0.010	0.010	0.010	0.010	0.010	0.011	17.64
17)	T,P	1,1-dichloroet...	0.556	0.483	0.477	0.494	0.497	0.497	0.496	0.500	5.18
18)	T	vinyl acetate	PQL=2	0.138	0.132	0.148	0.141	0.147	0.145	0.142	4.15
19)	T	cis-1,2-dichlo...	0.314	0.278	0.273	0.284	0.289	0.289	0.290	0.288	4.58
20)	T	2,2-dichloropr...	0.421	0.374	0.379	0.393	0.394	0.394	0.394	0.393	3.88
21)	T	2-butanone	PQL=2	0.005	0.006	0.007	0.007	0.008	0.008	0.007	14.17
22)	T,C	chloroform	0.483	0.415	0.406	0.422	0.429	0.423	0.425	0.429	2.81
23)	S	dibromofluorom...	0.185	0.189	0.187	0.190	0.188	0.189	0.191	0.188	0.93
24)	T	1,1,1-trichlor...	0.400	0.369	0.374	0.392	0.397	0.398	0.399	0.390	3.31
25)	T	carbon tetrach...	0.319	0.292	0.302	0.324	0.330	0.334	0.340	0.320	5.47
26)	S	1,2-dichloroet...	0.165	0.168	0.162	0.166	0.164	0.161	0.162	0.164	1.58
27)	M	benzene	1.273	1.087	1.081	1.122	1.129	1.134	1.131	1.137	5.63
28)	T	1,1-dichloropr...	0.373	0.345	0.352	0.369	0.369	0.376	0.378	0.366	3.46
29)	T	1,2-dichloroet...	0.246	0.216	0.211	0.218	0.219	0.218	0.219	0.221	5.14
30)	M	trichloroethene	0.294	0.263	0.263	0.274	0.275	0.277	0.280	0.275	3.88
31)	T,C	1,2-dichloropr...	0.270	0.243	0.240	0.251	0.251	0.253	0.255	0.252	3.85
32)	T	dibromomethane	0.090	0.077	0.075	0.078	0.080	0.080	0.081	0.080	5.95
33)	T	bromodichlorom...	0.266	0.236	0.236	0.258	0.265	0.271	0.280	0.259	6.47
34)	T	2-chloroethyl ...		0.024	0.028	0.037	0.038	0.044	0.051	0.037	27.27
35)	I	chlorobenzene-d5	ISTD								
36)	T	cis-1,3-dichlo...	0.467	0.416	0.419	0.455	0.462	0.474	0.478	0.453	5.57
37)	T	4-methyl-2-pen...		0.102	0.099	0.107	0.108	0.114	0.118	0.108	6.47
38)	S	toluene-d8	1.459	1.450	1.453	1.467	1.462	1.452	1.447	1.456	0.50

10/08/07

Method Path : C:\msdchem\1\METHODS\
Method File : 25mL1006.M 10/06/07
Title : 25 ml W-ICAL ~~09/28/07~~ @ 10/08/07

39)	M,C	toluene	1.251	1.058	1.041	1.074	1.084	1.085	1.076	1.096	6.43
40)	T	1,1,2-trichlor...	0.164	0.147	0.146	0.153	0.153	0.154	0.154	0.153	3.95
41)	T	1,3-dichloropr...	0.387	0.337	0.325	0.344	0.342	0.349	0.347	0.347	5.56
42)	T	tetrachloroethene	0.371	0.325	0.335	0.346	0.342	0.345	0.340	0.343	4.04
43)	T	trans-1,3-dich...	0.305	0.265	0.268	0.296	0.302	0.318	0.321	0.296	7.51
44)	T	2-hexanone	PQL=2	0.055	0.057	0.065	0.066	0.071	0.077	0.065	13.13
45)	T	dibromochlorom...	0.174	0.161	0.164	0.185	0.193	0.202	0.216	0.185	10.97
46)	T	1,2-dibromoethane	0.162	0.151	0.149	0.160	0.162	0.166	0.167	0.159	4.25
47)	M,P	chlorobenzene	1.203	1.037	1.033	1.065	1.076	1.077	1.073	1.082	5.28
48)	T	1,1,1,2-tetrac...	0.309	0.289	0.289	0.315	0.317	0.326	0.326	0.310	5.02
49)	T,C	ethylbenzene	2.165	1.886	1.909	2.008	2.021	2.041	2.034	2.009	4.59
50)	T	m,p-xylene	0.907	0.770	0.775	0.816	0.819	0.822	0.824	0.819	5.50
51)	T	o-xylene	0.828	0.693	0.706	0.753	0.757	0.765	0.770	0.753	5.92
52)	T	styrene	1.009	0.943	0.991	1.124	1.154	1.195	1.226	1.092	10.09
53)	T	isopropylbenzene	1.712	1.548	1.623	1.737	1.749	1.790	1.812	1.710	5.49
54)	T	bromobenzene	0.410	0.353	0.355	0.369	0.375	0.382	0.388	0.376	5.28
55)	T,P	bromoform	0.072	0.069	0.071	0.081	0.084	0.094	0.103	0.082#	15.86
56)	S	4-bromofluorob...	0.437	0.438	0.437	0.447	0.444	0.447	0.456	0.444	1.57
57)		1,2,3-trichlor...	0.059	0.050	0.050	0.052	0.052	0.052	0.054	0.053	5.71
58)	T	n-propylbenzene	2.212	2.001	2.099	2.228	2.255	2.304	2.326	2.204	5.24
59)	T	2-chlorotoluene	1.392	1.233	1.252	1.311	1.325	1.339	1.348	1.314	4.22
60)	T	4-chlorotoluene	1.554	1.381	1.400	1.478	1.492	1.510	1.528	1.478	4.36
61)	T	1,3,5-trimethy...	1.592	1.423	1.491	1.596	1.620	1.661	1.689	1.582	5.94
62)	I	1,4-dichlorobenzen...	----------ISTD----------								
63)	T	1,1,2,2-tetrac...	0.368	0.356	0.335	0.361	0.368	0.372	0.368	0.361	3.49
64)	T	tert-butylbenzene	3.012	2.748	2.850	2.982	3.033	3.081	3.057	2.966	4.11
65)	T	sec-butylbenzene	4.260	3.840	4.100	4.376	4.456	4.567	4.521	4.303	6.03
66)	T	1,2,4-trimethy...	3.901	3.210	3.317	3.520	3.549	3.631	3.584	3.530	6.32
67)	T	1,3-dichlorobe...	1.877	1.642	1.628	1.692	1.708	1.694	1.668	1.701	4.85
68)	T	p-isopropyltol...	3.161	2.922	3.195	3.513	3.579	3.723	3.734	3.404	9.20
69)	T	1,4-dichlorobe...	1.845	1.594	1.571	1.617	1.644	1.648	1.619	1.648	5.52
70)	T	1,2-dichlorobe...	1.482	1.296	1.310	1.349	1.362	1.362	1.325	1.355	4.54
71)	T	n-butylbenzene	2.245	2.080	2.366	2.755	2.832	3.146	3.231	2.665	16.75
72)	T	1,2-dibromo-3-...	0.040	0.035	0.035	0.039	0.040	0.042	0.046	0.039	10.08
73)	T	1,2,4-trichlor...	0.358	0.377	0.505	0.638	0.672	0.769	0.829	0.593	31.20
74)	T	hexachlorobuta...	0.488	0.419	0.500	0.544	0.555	0.595	0.619	0.531	12.82
75)	T	naphthalene	PQL=2	0.418	0.516	0.718	0.786	0.915	0.977	0.722	30.45
76)	T	1,2,3-trichlor...	0.206	0.221	0.311	0.435	0.474	0.562	0.604	0.402	39.65

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100602.D
Acq On : 6 Oct 2007 11:25 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 1 ppb,1,
Misc : 8260_W
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 09:36:17 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.538	96	498098	10.00	ug/L		0.00
35) chlorobenzene-d5	12.105	117	320694	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.875	152	135945	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.686	113	92203	6.36	ug/L		0.00
Spiked Amount 10.000			Recovery = 63.60%				
26) 1,2-dichloroethane-d4	7.130	65	82057	6.82	ug/L		0.00
Spiked Amount 10.000			Recovery = 68.20%				
38) toluene-d8	9.800	98	467972	11.71	ug/L		0.00
Spiked Amount 10.000			Recovery = 117.10%				
56) 4-bromofluorobenzene	14.093	95	140234	8.61	ug/L		0.00
Spiked Amount 10.000			Recovery = 86.10%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.809	85	8152	0.33	ug/L		97
3) chloromethane	2.058	50	15372	0.40	ug/L		97
4) vinyl chloride	2.192	62	15072	0.47	ug/L		96
5) bromomethane	2.624	94	4893	0.36	ug/L		93
6) chloroethane	2.758	64	9769	0.57	ug/L		98
7) trichlorofluoromethane	3.062	101	15602	0.45	ug/L	#	96
8) acrolein	3.682	56	3035	5.42	ug/L		80
9) 1,1-dichloroethene	3.737	96	12619	0.66	ug/L		92
10) acetone	3.901	43	4916	1.87	ug/L		95
11) carbon disulfide	3.998	76	44035	0.65	ug/L		99
12) methylene chloride	4.400	84	25438	1.19	ug/L		93
13) acrylonitrile	4.771	53	13169	6.64	ug/L		95
14) trans-1,2-dichloroethene	4.710	96	15096	0.69	ug/L		95
15) methyl-t-butyl ether	4.704	73	17744	0.60	ug/L		95
16) acetonitrile	4.290	41	7703	7.46	ug/L		89
17) 1,1-dichloroethane	5.269	63	27699	0.63	ug/L		98
18) vinyl acetate	5.336	43	7927	0.52	ug/L		100
19) cis-1,2-dichloroethene	6.036	96	15650	0.68	ug/L		96
20) 2,2-dichloropropane	5.993	77	20994	0.57	ug/L		97
22) chloroform	6.467	83	24057	0.58	ug/L		96
24) 1,1,1-trichloroethane	6.644	97	19941	0.61	ug/L		96
25) carbon tetrachloride	6.844	117	15911	0.61	ug/L		94
27) benzene	7.148	78	63422	0.79	ug/L		97
28) 1,1-dichloropropene	6.857	75	18560	0.63	ug/L		99
29) 1,2-dichloroethane	7.234	62	12251	0.62	ug/L		97
30) trichloroethene	8.042	95	14650	0.65	ug/L		98
31) 1,2-dichloropropane	8.395	63	13437	0.62	ug/L		94
32) dibromomethane	8.590	93	4470	0.49	ug/L		95
33) bromodichloromethane	8.821	83	13242	0.46	ug/L		96
34) 2-chloroethyl vinyl ether	9.240	63	1184	0.27	ug/L	#	61
36) cis-1,3-dichloropropene	9.453	75	14973	0.72	ug/L		95
37) 4-methyl-2-pentanone	9.690	43	3417	0.83	ug/L	#	86
39) toluene	9.903	92	40126	1.19	ug/L		94
40) 1,1,2-trichloroethane	10.609	83	5273	0.79	ug/L		97
41) 1,3-dichloropropane	10.864	76	12420	0.92	ug/L		99
42) tetrachloroethene	10.730	164	11889	0.89	ug/L		97
43) trans-1,3-dichloropropene	10.317	75	9797	0.74	ug/L		96
44) 2-hexanone	10.998	43	2098	1.32	ug/L	#	82

Data Path : D:\msdchem\1\data\b100607\
Data File : b100602.D
Acq On : 6 Oct 2007 11:25 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 1 ppb,1,
Misc : 8260_W
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 09:36:17 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

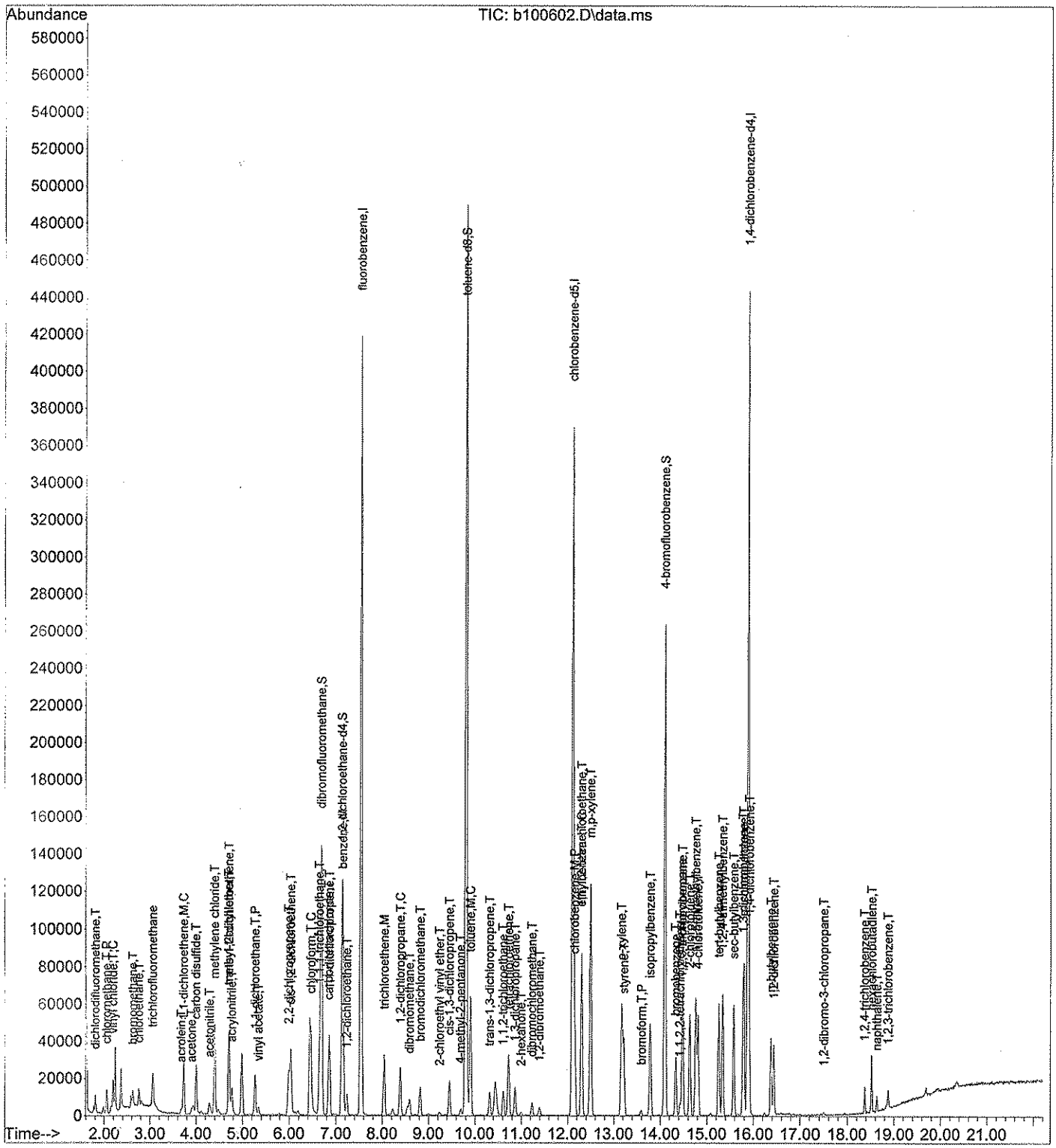
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) dibromochloromethane	11.229	129	5589	0.64	ug/L		97
46) 1,2-dibromoethane	11.393	107	5183	0.79	ug/L	#	99
47) chlorobenzene	12.147	112	38585	1.29	ug/L		97
48) 1,1,1,2-tetrachloroethane	12.299	131	9920	0.98	ug/L		99
49) ethylbenzene	12.299	91	69421	1.20	ug/L		100
50) m,p-xylene	12.494	106	58183	2.86	ug/L		99
51) o-xylene	13.163	106	26553	1.29	ug/L		98
52) styrene	13.218	104	32356	1.06	ug/L		99
53) isopropylbenzene	13.783	105	54904	1.17	ug/L		99
54) bromobenzene	14.337	156	13149	0.93	ug/L		98
55) bromoform	13.601	173	2295	0.37	ug/L		83
57) 1,2,3-trichloropropane	14.464	110	1882	1.21	ug/L		90
58) n-propylbenzene	14.476	91	70925	1.11	ug/L		100
59) 2-chlorotoluene	14.635	91	44642	1.14	ug/L		99
60) 4-chlorotoluene	14.811	91	49842	1.25	ug/L		100
61) 1,3,5-trimethylbenzene	14.762	105	51055	1.23	ug/L		100
63) 1,1,2,2-tetrachloroethane	14.422	83	4998	0.83	ug/L		98
64) tert-butylbenzene	15.255	119	40951	1.57	ug/L		99
65) sec-butylbenzene	15.577	105	57917	1.40	ug/L		100
66) 1,2,4-trimethylbenzene	15.334	105	53028	1.58	ug/L		99
67) 1,3-dichlorobenzene	15.778	146	25511	1.38	ug/L		97
68) p-isopropyltoluene	15.790	119	42967	1.45	ug/L		97
69) 1,4-dichlorobenzene	15.906	146	25085	1.47	ug/L		97
70) 1,2-dichlorobenzene	16.435	146	20153	1.34	ug/L		98
71) n-butylbenzene	16.374	91	30524	0.94	ug/L		99
72) 1,2-dibromo-3-chloropr...	17.493	75	543	0.78	ug/L	#	87
73) 1,2,4-trichlorobenzene	18.375	180	4862	0.56	ug/L		96
74) hexachlorobutadiene	18.521	225	6631	1.52	ug/L		93
75) naphthalene	18.636	128	6517	0.77	ug/L		100
76) 1,2,3-trichlorobenzene	18.873	180	2803	0.43	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100602.D
Acq On : 6 Oct 2007 11:25 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 1 ppb,1,
Misc : 8260_W
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 09:36:17 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100603.D
Acq On : 6 Oct 2007 11:57 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 2 ppb,1,
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 09:37:19 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.538	96	478169	10.00	ug/L		0.00
35) chlorobenzene-d5	12.105	117	314839	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.869	152	136458	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.686	113	90237	6.48	ug/L		0.00
Spiked Amount 10.000			Recovery =	64.80%			
26) 1,2-dichloroethane-d4	7.130	65	80521	6.97	ug/L		0.00
Spiked Amount 10.000			Recovery =	69.70%			
38) toluene-d8	9.800	98	456489	11.63	ug/L		0.00
Spiked Amount 10.000			Recovery =	116.30%			
56) 4-bromofluorobenzene	14.099	95	138056	8.63	ug/L		0.00
Spiked Amount 10.000			Recovery =	86.30%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.809	85	13647	0.57	ug/L		100
3) chloromethane	2.052	50	25385	0.68	ug/L		97
4) vinyl chloride	2.192	62	25317	0.82	ug/L		98
6) chloroethane	2.758	64	15749	0.96	ug/L		98
7) trichlorofluoromethane	3.062	101	28279	0.85	ug/L	#	100
8) acrolein	3.676	56	5043	9.39	ug/L		98
9) 1,1-dichloroethene	3.731	96	22089	1.20	ug/L		95
11) carbon disulfide	3.998	76	67268	1.03	ug/L		100
13) acrylonitrile	4.771	53	23403	12.30	ug/L		98
14) trans-1,2-dichloroethene	4.710	96	25285	1.20	ug/L		94
15) methyl-t-butyl ether	4.704	73	33268	1.17	ug/L		98
16) acetonitrile	4.284	41	11501	11.61	ug/L		95
17) 1,1-dichloroethane	5.269	63	46225	1.10	ug/L		99
19) cis-1,2-dichloroethene	6.035	96	26593	1.20	ug/L		93
20) 2,2-dichloropropane	5.993	77	35741	1.01	ug/L		99
22) chloroform	6.467	83	39735	0.99	ug/L		99
24) 1,1,1-trichloroethane	6.644	97	35274	1.13	ug/L		99
25) carbon tetrachloride	6.844	117	27907	1.12	ug/L		97
27) benzene	7.148	78	103941	1.35	ug/L		99
28) 1,1-dichloropropene	6.856	75	32956	1.17	ug/L		98
29) 1,2-dichloroethane	7.234	62	20627	1.09	ug/L		99
30) trichloroethene	8.042	95	25188	1.16	ug/L		99
31) 1,2-dichloropropane	8.389	63	23196	1.12	ug/L		99
32) dibromomethane	8.596	93	7335	0.84	ug/L		99
33) bromodichloromethane	8.821	83	22607	0.82	ug/L		99
36) cis-1,3-dichloropropene	9.453	75	26216	1.29	ug/L		98
37) 4-methyl-2-pentanone	9.690	43	6438	1.59	ug/L	#	86
39) toluene	9.897	92	66617	2.01	ug/L		99
40) 1,1,2-trichloroethane	10.615	83	9245	1.41	ug/L		90
41) 1,3-dichloropropane	10.864	76	21228	1.61	ug/L		100
42) tetrachloroethene	10.724	164	20484	1.56	ug/L		96
43) trans-1,3-dichloropropene	10.317	75	16662	1.28	ug/L		97
44) 2-hexanone	10.992	43	3446	2.21	ug/L		96
45) dibromochloromethane	11.229	129	10123	1.18	ug/L		85
46) 1,2-dibromoethane	11.393	107	9517	1.48	ug/L	#	97
47) chlorobenzene	12.147	112	65272	2.22	ug/L		98
48) 1,1,1,2-tetrachloroethane	12.299	131	18178	1.84	ug/L		97
49) ethylbenzene	12.299	91	118776	2.09	ug/L		98

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100603.D
Acq On : 6 Oct 2007 11:57 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 2 ppb,1,
Misc :
ALS Vial : 23 Sample Multiplier: 1

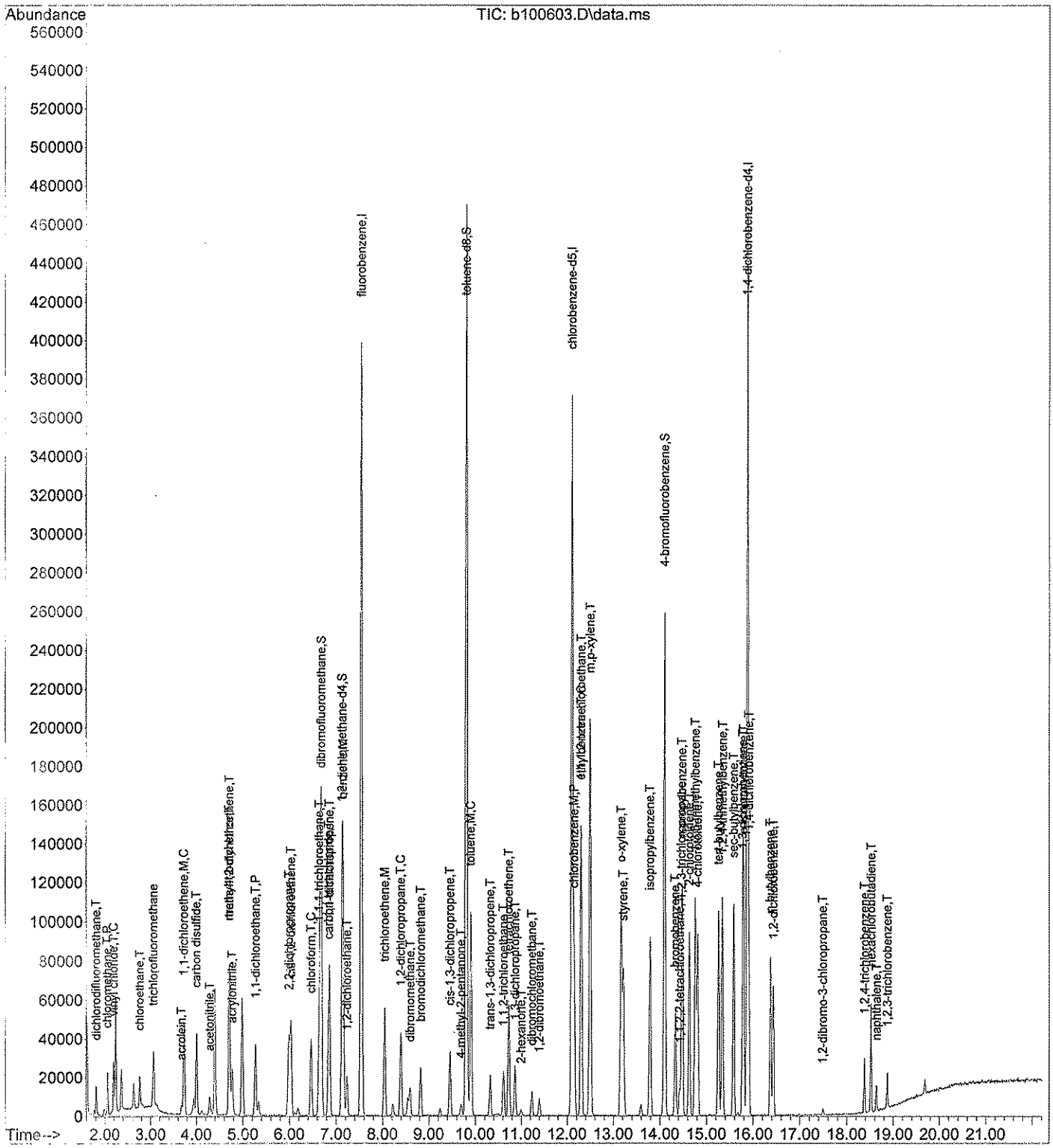
Quant Time: Oct 08 09:37:19 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) m,p-xylene	12.494	106	96947	4.86	ug/L		100
51) o-xylene	13.169	106	43609	2.16	ug/L		92
52) styrene	13.211	104	59364	1.98	ug/L		99
53) isopropylbenzene	13.783	105	97454	2.12	ug/L		100
54) bromobenzene	14.330	156	22199	1.60	ug/L		99
57) 1,2,3-trichloropropane	14.464	110	3149	2.06	ug/L		94
58) n-propylbenzene	14.476	91	126027	2.01	ug/L		100
59) 2-chlorotoluene	14.634	91	77619	2.02	ug/L		100
60) 4-chlorotoluene	14.811	91	86980	2.21	ug/L		99
61) 1,3,5-trimethylbenzene	14.762	105	89608	2.20	ug/L		99
63) 1,1,2,2-tetrachloroethane	14.428	83	9712	1.61	ug/L		97
64) tert-butylbenzene	15.255	119	75002	2.87	ug/L		99
65) sec-butylbenzene	15.577	105	104802	2.52	ug/L		100
66) 1,2,4-trimethylbenzene	15.340	105	87603	2.60	ug/L		99
67) 1,3-dichlorobenzene	15.772	146	44817	2.42	ug/L		99
68) p-isopropyltoluene	15.796	119	79749	2.68	ug/L		99
69) 1,4-dichlorobenzene	15.905	146	43496	2.54	ug/L		99
70) 1,2-dichlorobenzene	16.435	146	35363	2.35	ug/L		95
71) n-butylbenzene	16.368	91	56768	1.75	ug/L		96
72) 1,2-dibromo-3-chloropr...	17.487	75	953	1.36	ug/L	#	67
73) 1,2,4-trichlorobenzene	18.381	180	10278	1.18	ug/L		96
74) hexachlorobutadiene	18.520	225	11447	2.61	ug/L		98
75) naphthalene	18.636	128	11404	1.34	ug/L		100
76) 1,2,3-trichlorobenzene	18.873	180	6020	0.93	ug/L		88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\msdchem\1\data\b100607\
Data File : b100603.D
Acq On : 6 Oct 2007 11:57 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 2 ppb,1,
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 09:37:19 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100604.D
Acq On : 7 Oct 2007 12:28 am
Operator : JDB
Sample : ,ICAL,ICAL H20 4 ppb,1,
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 08 09:38:00 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.538	96	481428	10.00	ug/L		0.00
35) chlorobenzene-d5	12.105	117	314408	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.876	152	136158	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.687	113	90256	6.44	ug/L		0.00
Spiked Amount 10.000			Recovery = 64.40%				
26) 1,2-dichloroethane-d4	7.131	65	77887	6.69	ug/L		0.00
Spiked Amount 10.000			Recovery = 66.90%				
38) toluene-d8	9.800	98	456900	11.66	ug/L		0.00
Spiked Amount 10.000			Recovery = 116.60%				
56) 4-bromofluorobenzene	14.094	95	137328	8.60	ug/L		0.00
Spiked Amount 10.000			Recovery = 86.00%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.810	85	28880	1.20	ug/L		100
3) chloromethane	2.053	50	50109	1.34	ug/L		99
4) vinyl chloride	2.193	62	50890	1.64	ug/L		96
5) bromomethane	2.624	94	15699	1.19	ug/L		99
6) chloroethane	2.758	64	30465	1.84	ug/L		99
7) trichlorofluoromethane	3.062	101	58485	1.75	ug/L	#	99
8) acrolein	3.676	56	10010	18.51	ug/L		98
9) 1,1-dichloroethene	3.731	96	44895	2.43	ug/L		98
10) acetone	3.901	43	4927	1.94	ug/L		95
11) carbon disulfide	3.999	76	135457	2.06	ug/L		99
12) methylene chloride	4.394	84	55309	2.68	ug/L		99
13) acrylonitrile	4.765	53	47300	24.69	ug/L		98
14) trans-1,2-dichloroethene	4.710	96	50092	2.37	ug/L		98
15) methyl-t-butyl ether	4.704	73	63661	2.22	ug/L		96
16) acetonitrile	4.279	41	19839	19.89	ug/L		97
17) 1,1-dichloroethane	5.270	63	91893	2.17	ug/L		97
18) vinyl acetate	5.337	43	25507	1.73	ug/L		95
19) cis-1,2-dichloroethene	6.030	96	52505	2.34	ug/L		99
20) 2,2-dichloropropane	5.987	77	72916	2.04	ug/L		99
21) 2-butanone	6.115	72	1241	2.22	ug/L	#	76
22) chloroform	6.462	83	78132	1.94	ug/L		98
24) 1,1,1-trichloroethane	6.644	97	72028	2.29	ug/L		99
25) carbon tetrachloride	6.845	117	58218	2.32	ug/L		99
27) benzene	7.149	78	208144	2.68	ug/L		99
28) 1,1-dichloropropene	6.863	75	67830	2.39	ug/L		99
29) 1,2-dichloroethane	7.234	62	40662	2.13	ug/L		99
30) trichloroethene	8.043	95	50590	2.31	ug/L		97
31) 1,2-dichloropropane	8.390	63	46208	2.21	ug/L		96
32) dibromomethane	8.590	93	14420	1.65	ug/L		98
33) bromodichloromethane	8.821	83	45486	1.64	ug/L		98
34) 2-chloroethyl vinyl ether	9.241	63	5333	1.26	ug/L		98
36) cis-1,3-dichloropropene	9.448	75	52684	2.59	ug/L		99
37) 4-methyl-2-pentanone	9.691	43	12476	3.09	ug/L		96
39) toluene	9.904	92	130872	3.96	ug/L		96
40) 1,1,2-trichloroethane	10.609	83	18373	2.81	ug/L		98
41) 1,3-dichloropropane	10.865	76	40903	3.10	ug/L		99
42) tetrachloroethene	10.731	164	42192	3.23	ug/L		98
43) trans-1,3-dichloropropene	10.323	75	33737	2.59	ug/L		99

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100604.D
Acq On : 7 Oct 2007 12:28 am
Operator : JDB
Sample : ,ICAL,ICAL H20 4 ppb,1,
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 08 09:38:00 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

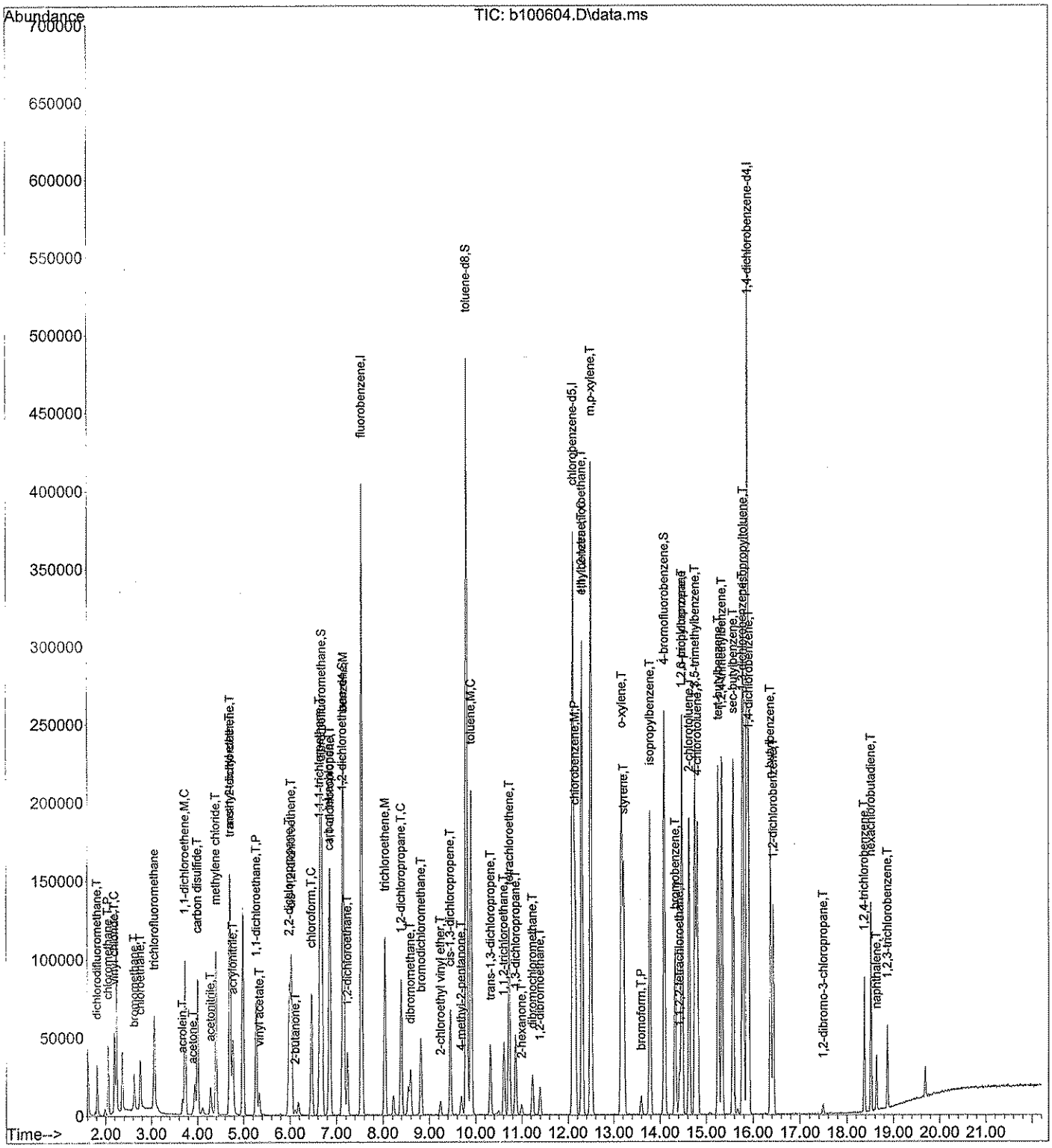
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2-hexanone	10.992	43	7121	4.57	ug/L		89
45) dibromochloromethane	11.229	129	20641	2.40	ug/L		97
46) 1,2-dibromoethane	11.394	107	18775	2.93	ug/L	#	99
47) chlorobenzene	12.148	112	129962	4.43	ug/L		97
48) 1,1,1,2-tetrachloroethane	12.300	131	36407	3.68	ug/L		100
49) ethylbenzene	12.300	91	240108	4.22	ug/L		99
50) m,p-xylene	12.494	106	194889	9.77	ug/L		100
51) o-xylene	13.169	106	88784	4.40	ug/L		97
52) styrene	13.212	104	124616	4.16	ug/L		98
53) isopropylbenzene	13.784	105	204108	4.45	ug/L		99
54) bromobenzene	14.337	156	44705	3.22	ug/L		99
55) bromoform	13.595	173	8873	1.47	ug/L		98
57) 1,2,3-trichloropropane	14.471	110	6260	4.11	ug/L		98
58) n-propylbenzene	14.477	91	263996	4.21	ug/L		100
59) 2-chlorotoluene	14.629	91	157488	4.10	ug/L		100
60) 4-chlorotoluene	14.811	91	176046	4.49	ug/L		100
61) 1,3,5-trimethylbenzene	14.763	105	187479	4.60	ug/L		100
63) 1,1,2,2-tetrachloroethane	14.422	83	18246	3.02	ug/L		91
64) tert-butylbenzene	15.255	119	155241	5.95	ug/L		100
65) sec-butylbenzene	15.578	105	223284	5.37	ug/L		100
66) 1,2,4-trimethylbenzene	15.334	105	180663	5.37	ug/L		100
67) 1,3-dichlorobenzene	15.772	146	88661	4.80	ug/L		99
68) p-isopropyltoluene	15.790	119	174027	5.86	ug/L		99
69) 1,4-dichlorobenzene	15.906	146	85548	5.00	ug/L		98
70) 1,2-dichlorobenzene	16.429	146	71363	4.75	ug/L		99
71) n-butylbenzene	16.368	91	128886	3.98	ug/L		99
72) 1,2-dibromo-3-chloropr...	17.493	75	1880	2.69	ug/L		94
73) 1,2,4-trichlorobenzene	18.375	180	27516	3.16	ug/L		95
74) hexachlorobutadiene	18.515	225	27211	6.22	ug/L		100
75) naphthalene	18.637	128	28085	3.31	ug/L		100
76) 1,2,3-trichlorobenzene	18.874	180	16943	2.62	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100604.D
Acq On : 7 Oct 2007 12:28 am
Operator : JDB
Sample : ,ICAL,ICAL H20 4 ppb,1,
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 08 09:38:00 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100605.D
Acq On : 7 Oct 2007 1:00 am
Operator : JDB
Sample : ,ICAL,ICAL H20 8 ppb,1,
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 08 09:38:21 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	482387	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	316644	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.873	152	141126	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.684	113	91522	6.52	ug/L		0.00
Spiked Amount 10.000			Recovery = 65.20%				
26) 1,2-dichloroethane-d4	7.128	65	80094	6.87	ug/L		0.00
Spiked Amount 10.000			Recovery = 68.70%				
38) toluene-d8	9.798	98	464621	11.77	ug/L		0.00
Spiked Amount 10.000			Recovery = 117.70%				
56) 4-bromofluorobenzene	14.097	95	141632	8.81	ug/L		0.00
Spiked Amount 10.000			Recovery = 88.10%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.813	85	59154	2.46	ug/L		96
3) chloromethane	2.056	50	99788	2.66	ug/L		99
4) vinyl chloride	2.196	62	104028	3.34	ug/L		96
5) bromomethane	2.622	94	34320	2.59	ug/L		97
6) chloroethane	2.761	64	61539	3.70	ug/L		94
7) trichlorofluoromethane	3.066	101	118226	3.52	ug/L	#	99
8) acrolein	3.674	56	20582	37.98	ug/L		94
9) 1,1-dichloroethene	3.734	96	93690	5.05	ug/L		99
10) acetone	3.905	43	9291	3.65	ug/L		88
11) carbon disulfide	4.002	76	285381	4.32	ug/L		99
12) methylene chloride	4.397	84	103539	5.01	ug/L		100
13) acrylonitrile	4.762	53	93162	48.52	ug/L		97
14) trans-1,2-dichloroethene	4.707	96	106761	5.03	ug/L		99
15) methyl-t-butyl ether	4.695	73	129217	4.51	ug/L		99
16) acetonitrile	4.276	41	39888	39.91	ug/L		100
17) 1,1-dichloroethane	5.267	63	190567	4.50	ug/L		99
18) vinyl acetate	5.334	43	56986	3.85	ug/L		98
19) cis-1,2-dichloroethene	6.027	96	109474	4.88	ug/L		99
20) 2,2-dichloropropane	5.991	77	151834	4.24	ug/L		99
21) 2-butanone	6.100	72	2752	4.92	ug/L		99
22) chloroform	6.465	83	162971	4.04	ug/L		100
24) 1,1,1-trichloroethane	6.641	97	151169	4.80	ug/L		98
25) carbon tetrachloride	6.842	117	125211	4.99	ug/L		98
27) benzene	7.152	78	433133	5.56	ug/L		99
28) 1,1-dichloropropene	6.860	75	142387	5.01	ug/L		99
29) 1,2-dichloroethane	7.237	62	84307	4.41	ug/L		97
30) trichloroethene	8.040	95	105705	4.81	ug/L		99
31) 1,2-dichloropropane	8.387	63	96761	4.62	ug/L		96
32) dibromomethane	8.593	93	30287	3.45	ug/L		99
33) bromodichloromethane	8.818	83	99470	3.58	ug/L		98
34) 2-chloroethyl vinyl ether	9.244	63	14142	3.34	ug/L		100
36) cis-1,3-dichloropropene	9.451	75	115370	5.63	ug/L		98
37) 4-methyl-2-pentanone	9.688	43	27087	6.66	ug/L		94
39) toluene	9.901	92	272178	8.18	ug/L		98
40) 1,1,2-trichloroethane	10.612	83	38815	5.89	ug/L		95
41) 1,3-dichloropropane	10.862	76	87022	6.55	ug/L		100
42) tetrachloroethene	10.728	164	87565	6.65	ug/L		96
43) trans-1,3-dichloropropene	10.321	75	74905	5.71	ug/L		98

Data Path : D:\msdchem\1\data\b100607\
Data File : b100605.D
Acq On : 7 Oct 2007 1:00 am
Operator : JDB
Sample : ,ICAL,ICAL H20 8 ppb,1,
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 08 09:38:21 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

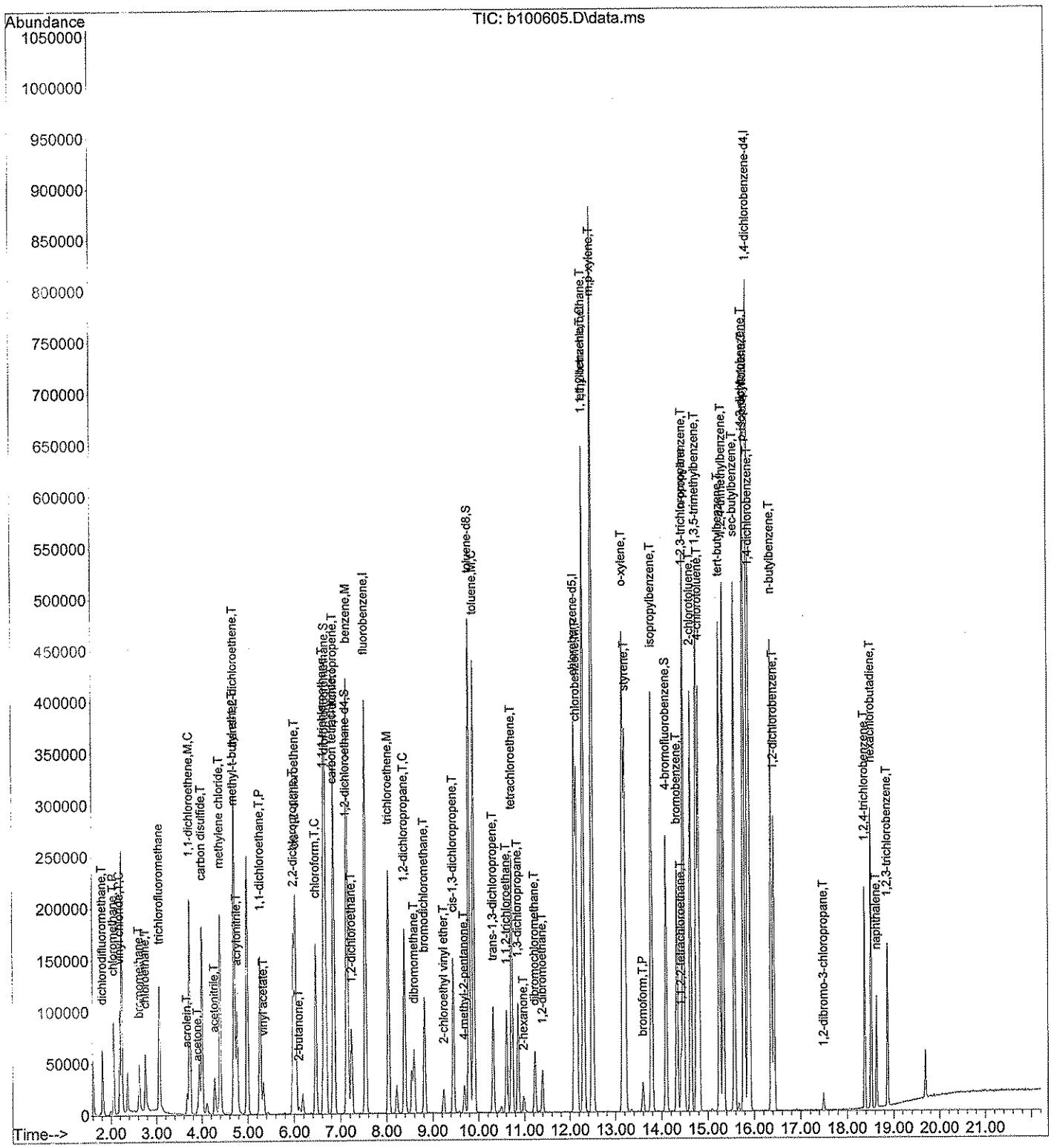
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2-hexanone	10.983	43	16500	10.51	ug/L	93
45)	dibromochloromethane	11.233	129	46806	5.40	ug/L	98
46)	1,2-dibromoethane	11.397	107	40444	6.26	ug/L	99
47)	chlorobenzene	12.151	112	269829	9.13	ug/L	97
48)	1,1,1,2-tetrachloroethane	12.303	131	79682	8.00	ug/L	99
49)	ethylbenzene	12.297	91	508657	8.88	ug/L	99
50)	m,p-xylene	12.492	106	413177	20.57	ug/L	100
51)	o-xylene	13.167	106	190621	9.38	ug/L	99
52)	styrene	13.215	104	284728	9.43	ug/L	98
53)	isopropylbenzene	13.787	105	440018	9.53	ug/L	100
54)	bromobenzene	14.334	156	93386	6.68	ug/L	99
55)	bromoform	13.592	173	20421	3.37	ug/L	95
57)	1,2,3-trichloropropane	14.468	110	13213	8.61	ug/L	100
58)	n-propylbenzene	14.474	91	564392	8.94	ug/L	100
59)	2-chlorotoluene	14.632	91	332126	8.59	ug/L	100
60)	4-chlorotoluene	14.809	91	374440	9.48	ug/L	100
61)	1,3,5-trimethylbenzene	14.760	105	404238	9.85	ug/L	100
63)	1,1,2,2-tetrachloroethane	14.425	83	40807	6.53	ug/L	96
64)	tert-butylbenzene	15.253	119	336652	12.45	ug/L	99
65)	sec-butylbenzene	15.575	105	494028	11.47	ug/L	100
66)	1,2,4-trimethylbenzene	15.338	105	397444	11.39	ug/L	100
67)	1,3-dichlorobenzene	15.776	146	191039	9.98	ug/L	99
68)	p-isopropyltoluene	15.794	119	396672	12.89	ug/L	99
69)	1,4-dichlorobenzene	15.903	146	182602	10.30	ug/L	99
70)	1,2-dichlorobenzene	16.432	146	152310	9.79	ug/L	99
71)	n-butylbenzene	16.371	91	311020	9.26	ug/L	97
72)	1,2-dibromo-3-chloropr...	17.490	75	4438	6.12	ug/L	99
73)	1,2,4-trichlorobenzene	18.378	180	72061	7.98	ug/L	99
74)	hexachlorobutadiene	18.518	225	61469	13.55	ug/L	99
75)	naphthalene	18.634	128	81059	9.22	ug/L	100
76)	1,2,3-trichlorobenzene	18.871	180	49119	7.32	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100605.D
Acq On : 7 Oct 2007 1:00 am
Operator : JDB
Sample : ,ICAL,ICAL H20 8 ppb,1,
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 08 09:38:21 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100606.D
Acq On : 7 Oct 2007 1:32 am
Operator : JDB
Sample : ,ICAL,ICAL H20 10 ppb,1,
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 08 09:30:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:29:57 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	485835	10.00	ug/L		0.00
35) chlorobenzene-d5	12.103	117	320209	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.873	152	142744	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.684	113	91343	6.46	ug/L		0.00
Spiked Amount 10.000			Recovery =	64.60%			
26) 1,2-dichloroethane-d4	7.128	65	79478	6.77	ug/L		0.00
Spiked Amount 10.000			Recovery =	67.70%			
38) toluene-d8	9.798	98	468232	11.73	ug/L		0.00
Spiked Amount 10.000			Recovery =	117.30%			
56) 4-bromofluorobenzene	14.097	95	142086	8.74	ug/L		0.00
Spiked Amount 10.000			Recovery =	87.40%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.813	85	73793	3.04	ug/L		96
3) chloromethane	2.056	50	129129	3.41	ug/L		97
4) vinyl chloride	2.196	62	135237	4.31	ug/L		91
5) bromomethane	2.622	94	45817	3.43	ug/L		97
6) chloroethane	2.756	64	78364	4.68	ug/L		96
7) trichlorofluoromethane	3.060	101	152795	4.52	ug/L	#	98
8) acrolein	3.674	56	26315	48.21	ug/L		88
9) 1,1-dichloroethene	3.735	96	118422	6.34	ug/L		99
10) acetone	3.899	43	11682	4.55	ug/L		87
11) carbon disulfide	4.002	76	361342	5.44	ug/L		96
12) methylene chloride	4.398	84	127223	6.11	ug/L		93
13) acrylonitrile	4.762	53	119277	61.69	ug/L		92
14) trans-1,2-dichloroethene	4.708	96	135169	6.33	ug/L		95
15) methyl-t-butyl ether	4.696	73	165523	5.73	ug/L		84
16) acetonitrile	4.276	41	48537	48.22	ug/L		98
17) 1,1-dichloroethane	5.267	63	241423	5.66	ug/L		94
18) vinyl acetate	5.334	43	68734	4.61	ug/L		93
19) cis-1,2-dichloroethene	6.027	96	140244	6.21	ug/L		94
20) 2,2-dichloropropane	5.985	77	191366	5.31	ug/L		98
21) 2-butanone	6.106	72	3635	6.46	ug/L	#	64
22) chloroform	6.465	83	208368	5.13	ug/L		99
24) 1,1,1-trichloroethane	6.642	97	192927	6.09	ug/L		95
25) carbon tetrachloride	6.842	117	160391	6.35	ug/L		97
27) benzene	7.152	78	548500	6.99	ug/L		97
28) 1,1-dichloropropene	6.860	75	179491	6.27	ug/L	#	91
29) 1,2-dichloroethane	7.231	62	106214	5.52	ug/L		92
30) trichloroethene	8.040	95	133806	6.04	ug/L		88
31) 1,2-dichloropropane	8.387	63	122142	5.79	ug/L		92
32) dibromomethane	8.594	93	38989	4.41	ug/L		100
33) bromodichloromethane	8.819	83	128560	4.59	ug/L		97
34) 2-chloroethyl vinyl ether	9.238	63	18576	4.36	ug/L	#	91
36) cis-1,3-dichloropropene	9.451	75	147882	7.14	ug/L		98
37) 4-methyl-2-pentanone	9.688	43	34646	8.42	ug/L	#	87
39) toluene	9.901	92	347052	10.31	ug/L		93
40) 1,1,2-trichloroethane	10.613	83	48923	7.35	ug/L		87
41) 1,3-dichloropropane	10.862	76	109468	8.14	ug/L	#	84
42) tetrachloroethene	10.728	164	109609	8.23	ug/L	#	79
43) trans-1,3-dichloropropene	10.321	75	96558	7.28	ug/L		97

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100606.D
Acq On : 7 Oct 2007 1:32 am
Operator : JDB
Sample : ,ICAL,ICAL H20 10 ppb,1,
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 08 09:30:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:29:57 2007
Response via : Initial Calibration

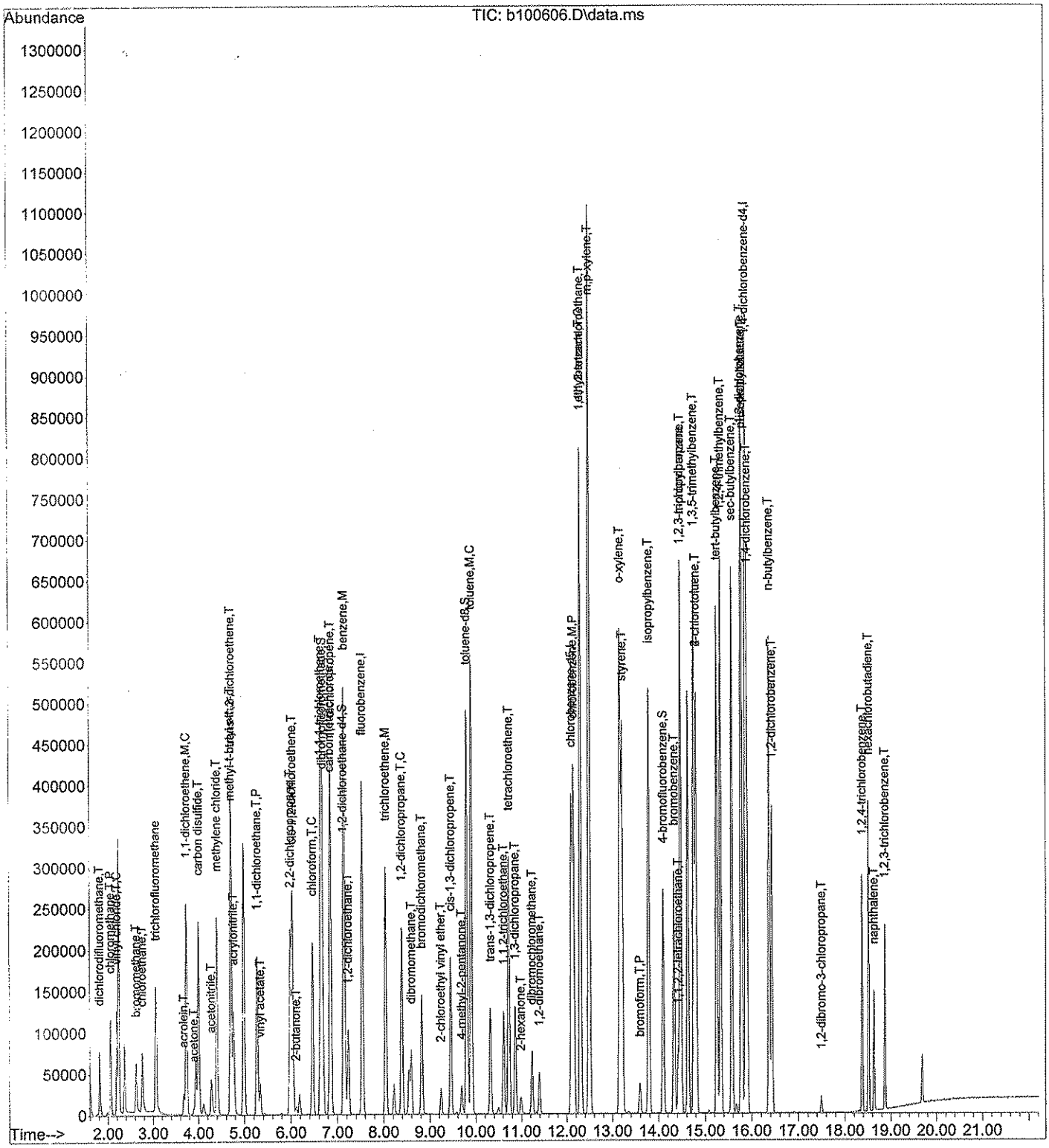
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2-hexanone	10.984	43	21026	13.25	ug/L	#	40
45) dibromochloromethane	11.233	129	61808	7.06	ug/L		93
46) 1,2-dibromoethane	11.391	107	51746	7.92	ug/L		96
47) chlorobenzene	12.145	112	344595	11.53	ug/L		92
48) 1,1,1,2-tetrachloroethane	12.303	131	101614	10.09	ug/L		91
49) ethylbenzene	12.297	91	647053	11.17	ug/L		88
50) m,p-xylene	12.492	106	524788	25.84	ug/L		91
51) o-xylene	13.167	106	242517	11.80	ug/L		92
52) styrene	13.215	104	369388	12.09	ug/L		91
53) isopropylbenzene	13.787	105	560018	11.99	ug/L		91
54) bromobenzene	14.334	156	120057	8.49	ug/L	#	79
55) bromoform	13.592	173	26803	4.37	ug/L		98
57) 1,2,3-trichloropropane	14.468	110	16635	10.72	ug/L	#	33
58) n-propylbenzene	14.474	91	722106	11.31	ug/L	#	89
59) 2-chlorotoluene	14.809	91	477734	11.98	ug/L		97
60) 4-chlorotoluene	14.809	91	477734	11.96	ug/L		93
61) 1,3,5-trimethylbenzene	14.760	105	518817	12.51	ug/L		89
63) 1,1,2,2-tetrachloroethane	14.426	83	52479	8.30	ug/L		95
64) tert-butylbenzene	15.253	119	432959	15.83	ug/L	#	83
65) sec-butylbenzene	15.575	105	636072	14.60	ug/L		93
66) 1,2,4-trimethylbenzene	15.338	105	506627	14.35	ug/L		92
67) 1,3-dichlorobenzene	15.776	146	243837	12.59	ug/L		93
68) p-isopropyltoluene	15.794	119	510839	16.42	ug/L		92
69) 1,4-dichlorobenzene	15.903	146	234609	13.09	ug/L		89
70) 1,2-dichlorobenzene	16.432	146	194457	12.36	ug/L		92
71) n-butylbenzene	16.372	91	404260	11.89	ug/L		91
72) 1,2-dibromo-3-chloropr...	17.491	75	5655	7.71	ug/L	#	60
73) 1,2,4-trichlorobenzene	18.379	180	95978	10.51	ug/L		97
74) hexachlorobutadiene	18.518	225	79216	17.27	ug/L		96
75) naphthalene	18.634	128	112246	12.62	ug/L		100
76) 1,2,3-trichlorobenzene	18.871	180	67648	9.96	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100606.D
Acq On : 7 Oct 2007 1:32 am
Operator : JDB
Sample : ,ICAL,ICAL H20 10 ppb,1,
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 08 09:30:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:29:57 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100607.D
Acq On : 7 Oct 2007 2:03 am
Operator : JDB
Sample : ,ICAL,ICAL H20 20 ppb,1,
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 08 09:38:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	491091	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	325093	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	146951	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.683	113	92580	6.48	ug/L		0.00
Spiked Amount 10.000			Recovery =	64.80%			
26) 1,2-dichloroethane-d4	7.133	65	79231	6.68	ug/L		0.00
Spiked Amount 10.000			Recovery =	66.80%			
38) toluene-d8	9.797	98	472095	11.65	ug/L		0.00
Spiked Amount 10.000			Recovery =	116.50%			
56) 4-bromofluorobenzene	14.097	95	145428	8.81	ug/L		0.00
Spiked Amount 10.000			Recovery =	88.10%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	148508	6.06	ug/L		99
3) chloromethane	2.055	50	267363	6.99	ug/L		99
4) vinyl chloride	2.195	62	279962	8.82	ug/L		97
5) bromomethane	2.609	94	58482	4.33	ug/L		97
6) chloroethane	2.749	64	152903	9.04	ug/L		97
7) trichlorofluoromethane	3.059	101	311271	9.11	ug/L	#	100
8) acrolein	3.673	56	56703	102.78	ug/L		96
9) 1,1-dichloroethene	3.728	96	240515	12.74	ug/L		98
10) acetone	3.892	43	23115	8.91	ug/L		86
11) carbon disulfide	4.001	76	737287	10.97	ug/L		100
12) methylene chloride	4.397	84	242808	11.54	ug/L		99
13) acrylonitrile	4.762	53	248718	127.25	ug/L		97
14) trans-1,2-dichloroethene	4.707	96	271833	12.59	ug/L		97
15) methyl-t-butyl ether	4.689	73	346441	11.87	ug/L		100
16) acetonitrile	4.275	41	100019	98.30	ug/L		96
17) 1,1-dichloroethane	5.266	63	487743	11.31	ug/L		99
18) vinyl acetate	5.333	43	144174	9.57	ug/L		99
19) cis-1,2-dichloroethene	6.033	96	283397	12.41	ug/L		98
20) 2,2-dichloropropane	5.990	77	387127	10.62	ug/L		100
21) 2-butanone	6.100	72	7667	13.47	ug/L		94
22) chloroform	6.464	83	415800	10.13	ug/L		99
24) 1,1,1-trichloroethane	6.641	97	390612	12.19	ug/L		99
25) carbon tetrachloride	6.841	117	328224	12.85	ug/L		99
27) benzene	7.152	78	1113691	14.04	ug/L		99
28) 1,1-dichloropropene	6.860	75	369768	12.79	ug/L		99
29) 1,2-dichloroethane	7.231	62	213862	11.00	ug/L		99
30) trichloroethene	8.039	95	272381	12.17	ug/L		97
31) 1,2-dichloropropane	8.392	63	248302	11.64	ug/L		96
32) dibromomethane	8.593	93	78338	8.77	ug/L		97
33) bromodichloromethane	8.818	83	266167	9.40	ug/L		100
34) 2-chloroethyl vinyl ether	9.244	63	43517	10.10	ug/L		98
36) cis-1,3-dichloropropene	9.450	75	307932	14.65	ug/L		98
37) 4-methyl-2-pentanone	9.681	43	73818	17.67	ug/L		95
39) toluene	9.900	92	705156	20.64	ug/L		99
40) 1,1,2-trichloroethane	10.612	83	99981	14.79	ug/L		98
41) 1,3-dichloropropane	10.861	76	227202	16.65	ug/L		99
42) tetrachloroethene	10.727	164	224046	16.57	ug/L		99
43) trans-1,3-dichloropropene	10.320	75	206476	15.33	ug/L		99

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100607.D
Acq On : 7 Oct 2007 2:03 am
Operator : JDB
Sample : ,ICAL,ICAL H20 20 ppb,1,
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 08 09:38:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

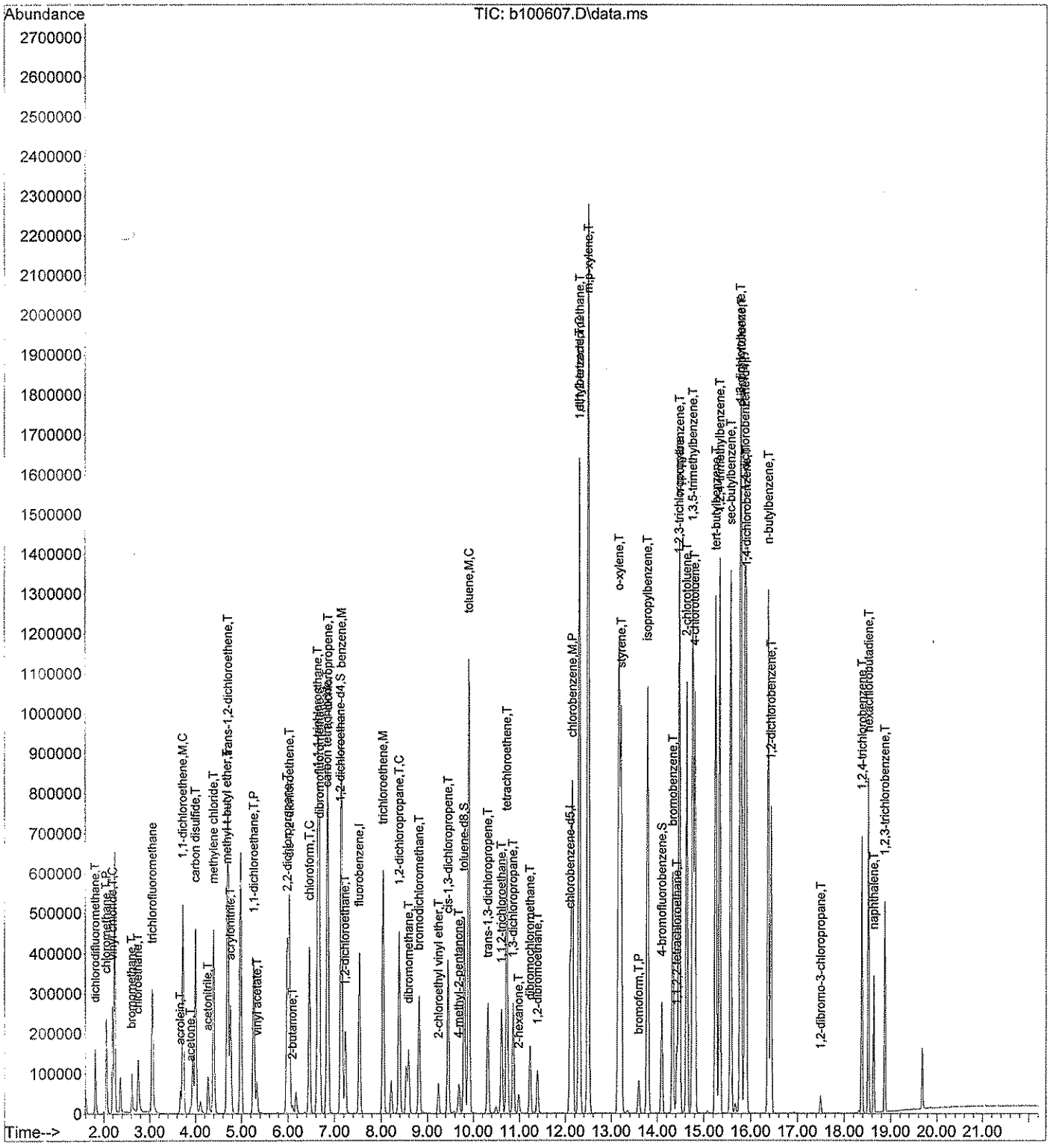
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2-hexanone	10.983	43	46049	28.58	ug/L	98
45) dibromochloromethane	11.232	129	131423	14.78	ug/L	99
46) 1,2-dibromoethane	11.396	107	107714	16.23	ug/L	99
47) chlorobenzene	12.150	112	700230	23.08	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.303	131	212008	20.74	ug/L	99
49) ethylbenzene	12.296	91	1326722	22.56	ug/L	99
50) m,p-xylene	12.491	106	1069071	51.85	ug/L	100
51) o-xylene	13.166	106	497075	23.82	ug/L	100
52) styrene	13.215	104	776884	25.05	ug/L	99
53) isopropylbenzene	13.780	105	1163909	24.55	ug/L	100
54) bromobenzene	14.334	156	248056	17.28	ug/L	99
55) bromoform	13.592	173	61082	9.81	ug/L	98
57) 1,2,3-trichloropropane	14.467	110	33804	21.45	ug/L	99
58) n-propylbenzene	14.474	91	1497930	23.10	ug/L	99
59) 2-chlorotoluene	14.632	91	870477	21.92	ug/L	99
60) 4-chlorotoluene	14.808	91	981707	24.21	ug/L	100
61) 1,3,5-trimethylbenzene	14.759	105	1079775	25.64	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.425	83	109302	16.79	ug/L	98
64) tert-butylbenzene	15.252	119	905543	32.15	ug/L	100
65) sec-butylbenzene	15.574	105	1342254	29.93	ug/L	100
66) 1,2,4-trimethylbenzene	15.337	105	1067228	29.37	ug/L	100
67) 1,3-dichlorobenzene	15.775	146	497767	24.97	ug/L	100
68) p-isopropyltoluene	15.793	119	1094271	34.16	ug/L	99
69) 1,4-dichlorobenzene	15.903	146	484475	26.25	ug/L	99
70) 1,2-dichlorobenzene	16.432	146	400291	24.71	ug/L	99
71) n-butylbenzene	16.371	91	924595	26.42	ug/L	99
72) 1,2-dibromo-3-chloropr...	17.490	75	12369	16.39	ug/L	95
73) 1,2,4-trichlorobenzene	18.378	180	226053	24.05	ug/L	97
74) hexachlorobutadiene	18.518	225	174999	37.05	ug/L	99
75) naphthalene	18.633	128	268831	29.36	ug/L	100
76) 1,2,3-trichlorobenzene	18.870	180	165176	23.63	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100607.D
Acq On : 7 Oct 2007 2:03 am
Operator : JDB
Sample : ,ICAL,ICAL H20 20 ppb,1,
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 08 09:38:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100608.D
Acq On : 7 Oct 2007 2:35 am
Operator : JDB
Sample : ,ICAL,ICAL H20 40 ppb,1,
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 08 09:39:36 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	492341	10.00	ug/L		0.00
35) chlorobenzene-d5	12.103	117	331863	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.873	152	154637	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.684	113	93831	6.55	ug/L		0.00
Spiked Amount 10.000			Recovery =	65.50%			
26) 1,2-dichloroethane-d4	7.128	65	79762	6.70	ug/L		0.00
Spiked Amount 10.000			Recovery =	67.00%			
38) toluene-d8	9.798	98	480308	11.61	ug/L		0.00
Spiked Amount 10.000			Recovery =	116.10%			
56) 4-bromofluorobenzene	14.097	95	151324	8.98	ug/L		0.00
Spiked Amount 10.000			Recovery =	89.80%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.807	85	285785	11.64	ug/L		100
3) chloromethane	2.050	50	533368	13.92	ug/L		99
4) vinyl chloride	2.196	62	555524	17.46	ug/L		97
5) bromomethane	2.604	94	34701	2.56	ug/L		99
6) chloroethane	2.737	64	298834	17.62	ug/L		99
7) trichlorofluoromethane	3.054	101	607860	17.75	ug/L	#	100
8) acrolein	3.668	56	119396	215.86	ug/L		98
9) 1,1-dichloroethene	3.729	96	488364	25.80	ug/L		100
10) acetone	3.893	43	45920	17.66	ug/L		96
11) carbon disulfide	3.996	76	1487475	22.08	ug/L		100
12) methylene chloride	4.398	84	478634	22.68	ug/L		98
13) acrylonitrile	4.762	53	501216	255.79	ug/L		99
14) trans-1,2-dichloroethene	4.708	96	548003	25.32	ug/L		99
15) methyl-t-butyl ether	4.689	73	705323	24.10	ug/L		98
16) acetonitrile	4.276	41	204317	200.29	ug/L		96
17) 1,1-dichloroethane	5.267	63	976565	22.58	ug/L		99
18) vinyl acetate	5.328	43	285626	18.91	ug/L		100
19) cis-1,2-dichloroethene	6.027	96	571754	24.97	ug/L		99
20) 2,2-dichloropropane	5.985	77	775370	21.21	ug/L		100
21) 2-butanone	6.088	72	16213	28.42	ug/L		93
22) chloroform	6.465	83	837053	20.34	ug/L		99
24) 1,1,1-trichloroethane	6.642	97	785356	24.45	ug/L		99
25) carbon tetrachloride	6.842	117	670318	26.17	ug/L		99
27) benzene	7.152	78	2228152	28.03	ug/L		100
28) 1,1-dichloropropene	6.860	75	744024	25.67	ug/L		99
29) 1,2-dichloroethane	7.231	62	432024	22.16	ug/L		99
30) trichloroethene	8.040	95	551717	24.58	ug/L		99
31) 1,2-dichloropropane	8.393	63	503062	23.53	ug/L		99
32) dibromomethane	8.594	93	160500	17.92	ug/L		99
33) bromodichloromethane	8.819	83	550821	19.41	ug/L		100
34) 2-chloroethyl vinyl ether	9.238	63	100804	23.34	ug/L		99
36) cis-1,3-dichloropropene	9.451	75	634154	29.55	ug/L		98
37) 4-methyl-2-pentanone	9.682	43	156756	36.76	ug/L		96
39) toluene	9.901	92	1428291	40.95	ug/L		98
40) 1,1,2-trichloroethane	10.613	83	204962	29.69	ug/L		98
41) 1,3-dichloropropane	10.862	76	460855	33.08	ug/L		99
42) tetrachloroethene	10.728	164	451035	32.69	ug/L		99
43) trans-1,3-dichloropropene	10.321	75	426340	31.02	ug/L		100

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100608.D
Acq On : 7 Oct 2007 2:35 am
Operator : JDB
Sample : ,ICAL,ICAL H20 40 ppb,1,
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 08 09:39:36 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

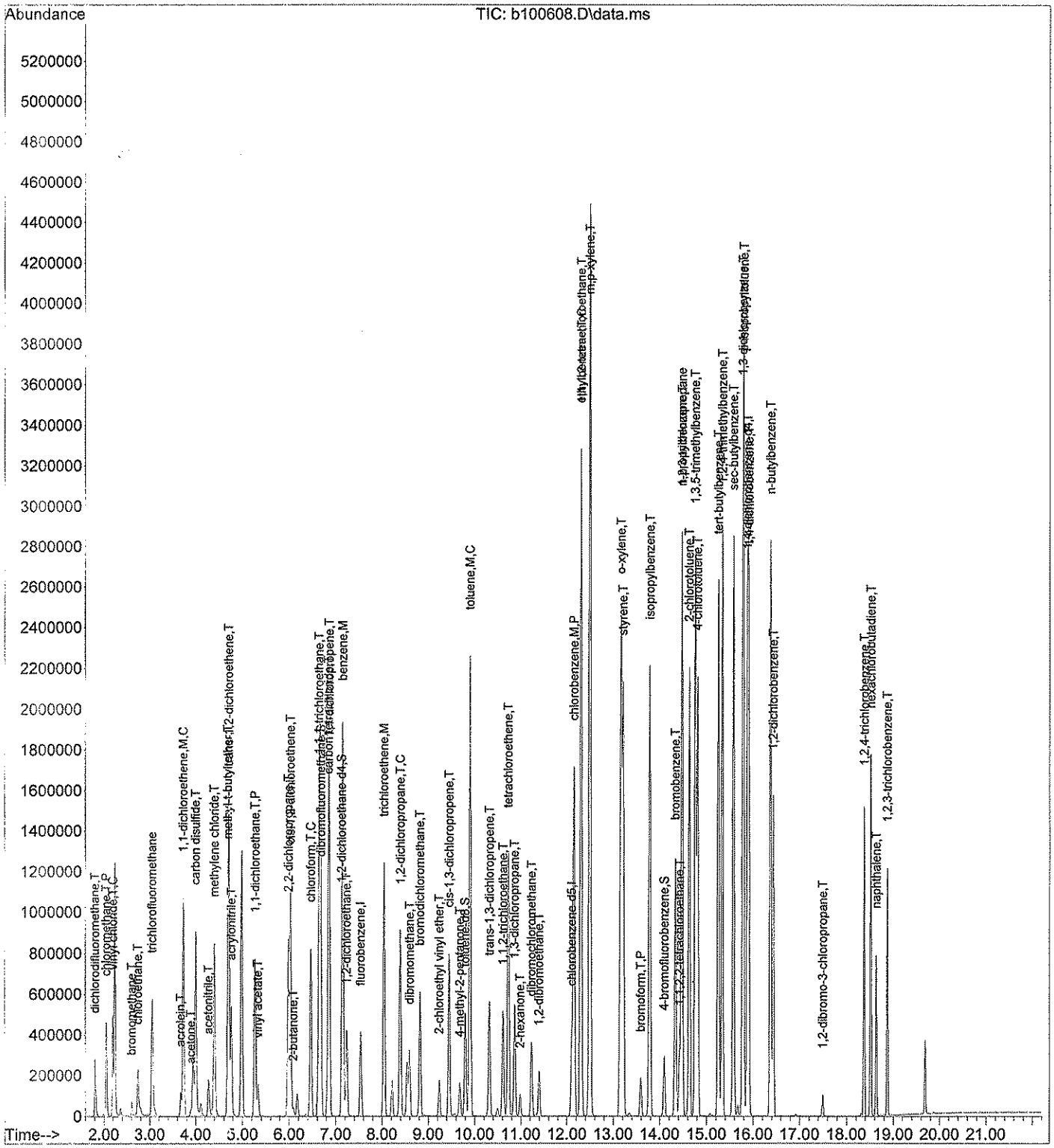
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2-hexanone	10.984	43	102802	62.50	ug/L	95
45) dibromochloromethane	11.233	129	287035	31.62	ug/L	96
46) 1,2-dibromoethane	11.391	107	221505	32.70	ug/L	100
47) chlorobenzene	12.151	112	1423746	45.97	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.303	131	432293	41.43	ug/L	100
49) ethylbenzene	12.303	91	2699855	44.98	ug/L	100
50) m,p-xylene	12.492	106	2188292	103.97	ug/L	97
51) o-xylene	13.167	106	1022460	47.99	ug/L	99
52) styrene	13.209	104	1627467	51.41	ug/L	99
53) isopropylbenzene	13.787	105	2404700	49.69	ug/L	100
54) bromobenzene	14.334	156	515178	35.16	ug/L	98
55) bromoform	13.592	173	136669	21.50	ug/L	98
57) 1,2,3-trichloropropane	14.474	110	71427	44.40	ug/L	99
58) n-propylbenzene	14.474	91	3087127	46.64	ug/L	100
59) 2-chlorotoluene	14.632	91	1790007	44.15	ug/L	99
60) 4-chlorotoluene	14.809	91	2027794	48.98	ug/L	100
61) 1,3,5-trimethylbenzene	14.760	105	2241760	52.14	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.426	83	227350	33.18	ug/L	95
64) tert-butylbenzene	15.253	119	1891061	63.81	ug/L	100
65) sec-butylbenzene	15.575	105	2796498	59.26	ug/L	100
66) 1,2,4-trimethylbenzene	15.338	105	2216644	57.97	ug/L	100
67) 1,3-dichlorobenzene	15.776	146	1031736	49.18	ug/L	100
68) p-isopropyltoluene	15.794	119	2309838	68.53	ug/L	99
69) 1,4-dichlorobenzene	15.903	146	1001480	51.57	ug/L	99
70) 1,2-dichlorobenzene	16.432	146	819821	48.09	ug/L	100
71) n-butylbenzene	16.372	91	1998557	54.28	ug/L	99
72) 1,2-dibromo-3-chloropr...	17.491	75	28460	35.84	ug/L	91
73) 1,2,4-trichlorobenzene	18.378	180	512879	51.84	ug/L	96
74) hexachlorobutadiene	18.518	225	382601	76.98	ug/L	99
75) naphthalene	18.634	128	604255	62.71	ug/L	100
76) 1,2,3-trichlorobenzene	18.871	180	373798	50.82	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100608.D
Acq On : 7 Oct 2007 2:35 am
Operator : JDB
Sample : ,ICAL,ICAL H20 40 ppb,1,
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 08 09:39:36 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



CONTINUING CALIBRATION RAW DATA

Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100902a.D
Acq On : 9 Oct 2007 6:46 am
Operator : CLR
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 07:16:20 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	fluorobenzene	1.000	1.000	0.0	99	0.00
2	T	dichlorodifluoromethane	0.151	0.156	-3.3	102	0.00
3	T,P	chloromethane	0.266	0.264#	0.8	99	0.00
4	T,C	vinyl chloride	0.278	0.253	9.0	90	0.00
5	T	bromomethane	0.090	0.080	11.1	84	0.02
6	T	chloroethane	0.164	0.134	18.3	82	0.02
7		trichlorofluoromethane	0.308	0.287	6.8	90	0.00
8	T	acrolein	0.006	0.004	33.3#	71	0.00
9	M,C	1,1-dichloroethene	0.242	0.205	15.3	83	0.00
10	T	acetone	0.024	0.023	4.2	93	0.00
11	T	carbon disulfide	0.754	0.617	18.2	82	0.00
12	T	methylene chloride	0.276	0.239	13.4	90	0.00
13	T	acrylonitrile	0.025	0.022	12.0	87	0.00
14	T	trans-1,2-dichloroethene	0.277	0.248	10.5	88	0.00
15	T	methyl-t-butyl ether	0.346	0.294	15.0	86	0.00
16	T	acetonitrile	0.011	0.010	9.1	101	0.00
17	T,P	1,1-dichloroethane	0.500	0.440	12.0	88	0.00
18	T	vinyl acetate	0.142	0.128	9.9	90	0.00
19	T	cis-1,2-dichloroethene	0.288	0.262	9.0	90	0.00
20	T	2,2-dichloropropane	0.393	0.351	10.7	88	0.00
21	T	2-butanone	0.007	0.007	0.0	93	0.01
22	T,C	chloroform	0.429	0.391	8.9	90	0.00
23	S	dibromofluoromethane	0.188	0.193	-2.7	102	0.00
24	T	1,1,1-trichloroethane	0.390	0.346	11.3	86	0.00
25	T	carbon tetrachloride	0.320	0.287	10.3	86	0.00
26	S	1,2-dichloroethane-d4	0.164	0.169	-3.0	102	0.00
27	M	benzene	1.137	1.019	10.4	89	0.00
28	T	1,1-dichloropropene	0.366	0.322	12.0	86	0.00
29	T	1,2-dichloroethane	0.221	0.204	7.7	93	0.00
30	M	trichloroethene	0.275	0.248	9.8	89	0.00
31	T,C	1,2-dichloropropane	0.252	0.229	9.1	90	0.00
32	T	dibromomethane	0.080	0.072	10.0	89	0.00
33	T	bromodichloromethane	0.259	0.239	7.7	90	0.00
34	T	2-chloroethyl vinyl ether	0.037	0.032	13.5	82	0.00
35	I	chlorobenzene-d5	1.000	1.000	0.0	100	0.00
36	T	cis-1,3-dichloropropene	0.453	0.418	7.7	91	0.00
37	T	4-methyl-2-pentanone	0.108	0.099	8.3	91	0.00
38	S	toluene-d8	1.456	1.444	0.8	99	0.00
39	M,C	toluene	1.096	0.971	11.4	90	0.00
40	T	1,1,2-trichloroethane	0.153	0.143	6.5	94	0.00
41	T	1,3-dichloropropane	0.347	0.321	7.5	94	0.00
42	T	tetrachloroethene	0.343	0.310	9.6	91	0.00
43	T	trans-1,3-dichloropropene	0.296	0.275	7.1	91	0.00
44	T	2-hexanone	0.065	0.061	6.2	93	0.00
45	T	dibromochloromethane	0.185	0.175	5.4	91	0.00
46	T	1,2-dibromoethane	0.159	0.150	5.7	93	0.00
47	M,P	chlorobenzene	1.081	0.985	8.9	92	0.00
48	T	1,1,1,2-tetrachloroethane	0.310	0.293	5.5	92	0.00
49	T,C	ethylbenzene	2.009	1.829	9.0	91	0.00

10/09/07

Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100902a.D
Acq On : 9 Oct 2007 6:46 am
Operator : CLR
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 07:16:20 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50	T	m,p-xylene	0.819	0.738	9.9	90	0.00
51	T	o-xylene	0.753	0.672	10.8	89	0.00
52	T	styrene	1.092	1.023	6.3	89	0.00
53	T	isopropylbenzene	1.710	1.574	8.0	90	0.00
54	T	bromobenzene	0.376	0.350	6.9	94	0.00
55	T,P	bromoform	0.082	0.076#	7.3	91	0.00
56	S	4-bromofluorobenzene	0.444	0.438	1.4	99	0.00
57		1,2,3-trichloropropane	0.053	0.050	5.7	97	0.00
58	T	n-propylbenzene	2.204	2.055	6.8	91	0.00
59	T	2-chlorotoluene	1.314	1.207	8.1	91	0.00
60	T	4-chlorotoluene	1.478	1.366	7.6	92	0.00
61	T	1,3,5-trimethylbenzene	1.582	1.476	6.7	91	0.00
62	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
63	T	1,1,2,2-tetrachloroethane	0.361	0.347	3.9	96	0.00
64	T	tert-butylbenzene	2.966	2.689	9.3	90	0.00
65	T	sec-butylbenzene	4.303	4.030	6.3	92	0.00
66	T	1,2,4-trimethylbenzene	3.530	3.208	9.1	92	0.00
67	T	1,3-dichlorobenzene	1.701	1.586	6.8	94	0.00
68	T	p-isopropyltoluene	3.404	3.215	5.6	91	0.00
69	T	1,4-dichlorobenzene	1.648	1.531	7.1	95	0.00
70	T	1,2-dichlorobenzene	1.355	1.267	6.5	95	0.00
71	T	n-butylbenzene	2.665	2.548	4.4	91	0.00
72	T	1,2-dibromo-3-chloropropane	0.039	0.035	10.3	89	0.00
73	T	1,2,4-trichlorobenzene	0.593	0.593	0.0	90	0.00
74	T	hexachlorobutadiene	0.531	0.533	-0.4	98	0.00
75	T	naphthalene	0.722	0.661	8.4	85	0.00
76	T	1,2,3-trichlorobenzene	0.402	0.434	-8.0	93	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100902a.D
Acq On : 9 Oct 2007 6:46 am
Operator : CLR
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 07:16:20 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.537	96	481508	10.00	ug/L		0.00
35) chlorobenzene-d5	12.104	117	320635	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.875	152	145108	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.686	113	93047	10.26	ug/L		0.00
Spiked Amount 10.000			Recovery = 102.60%				
26) 1,2-dichloroethane-d4	7.130	65	81139	10.28	ug/L		0.00
Spiked Amount 10.000			Recovery = 102.80%				
38) toluene-d8	9.800	98	462998	9.92	ug/L		0.00
Spiked Amount 10.000			Recovery = 99.20%				
56) 4-bromofluorobenzene	14.093	95	140442	9.87	ug/L		0.00
Spiked Amount 10.000			Recovery = 98.70%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.815	85	75023	10.31	ug/L		99
3) chloromethane	2.058	50	127308	9.96	ug/L		98
4) vinyl chloride	2.192	62	121619	9.08	ug/L		96
5) bromomethane	2.624	94	38586	8.90	ug/L		99
6) chloroethane	2.757	64	64409	8.16	ug/L		100
7) trichlorofluoromethane	3.062	101	137970	9.29	ug/L	#	100
8) acrolein	3.676	56	18563	68.93	ug/L		95
9) 1,1-dichloroethene	3.730	96	98720	8.46	ug/L		98
10) acetone	3.901	43	10842	9.34	ug/L		87
11) carbon disulfide	3.998	76	297202	8.18	ug/L		99
12) methylene chloride	4.399	84	114966	8.64	ug/L		98
13) acrylonitrile	4.764	53	104082	86.49	ug/L		94
14) trans-1,2-dichloroethene	4.710	96	119209	8.94	ug/L		95
15) methyl-t-butyl ether	4.691	73	141666	8.51	ug/L		99
16) acetonitrile	4.278	41	48792	90.16	ug/L		99
17) 1,1-dichloroethane	5.269	63	211777	8.80	ug/L		100
18) vinyl acetate	5.336	43	61659	9.03	ug/L		100
19) cis-1,2-dichloroethene	6.029	96	126094	9.09	ug/L		99
20) 2,2-dichloropropane	5.987	77	168835	8.93	ug/L		100
21) 2-butanone	6.102	72	3397	9.95	ug/L	#	90
22) chloroform	6.467	83	188134	9.11	ug/L		99
24) 1,1,1-trichloroethane	6.643	97	166823	8.89	ug/L		100
25) carbon tetrachloride	6.844	117	138294	8.96	ug/L		99
27) benzene	7.148	78	490702	8.96	ug/L		100
28) 1,1-dichloropropene	6.862	75	155245	8.81	ug/L		100
29) 1,2-dichloroethane	7.233	62	98345	9.24	ug/L		99
30) trichloroethene	8.042	95	119265	9.00	ug/L		98
31) 1,2-dichloropropane	8.389	63	110482	9.11	ug/L		98
32) dibromomethane	8.596	93	34785	9.01	ug/L		97
33) bromodichloromethane	8.821	83	115100	9.24	ug/L		99
34) 2-chloroethyl vinyl ether	9.240	63	15177	8.51	ug/L		99
36) cis-1,3-dichloropropene	9.453	75	134007	9.23	ug/L		98
37) 4-methyl-2-pentanone	9.684	43	31677	9.14	ug/L		96
39) toluene	9.903	92	311387	8.86	ug/L		98
40) 1,1,2-trichloroethane	10.615	83	45751	9.32	ug/L		100
41) 1,3-dichloropropane	10.864	76	102899	9.24	ug/L		100
42) tetrachloroethene	10.724	164	99380	9.03	ug/L		98
43) trans-1,3-dichloropropene	10.323	75	88045	9.27	ug/L		100

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100902a.D
Acq On : 9 Oct 2007 6:46 am
Operator : CLR
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 07:16:20 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

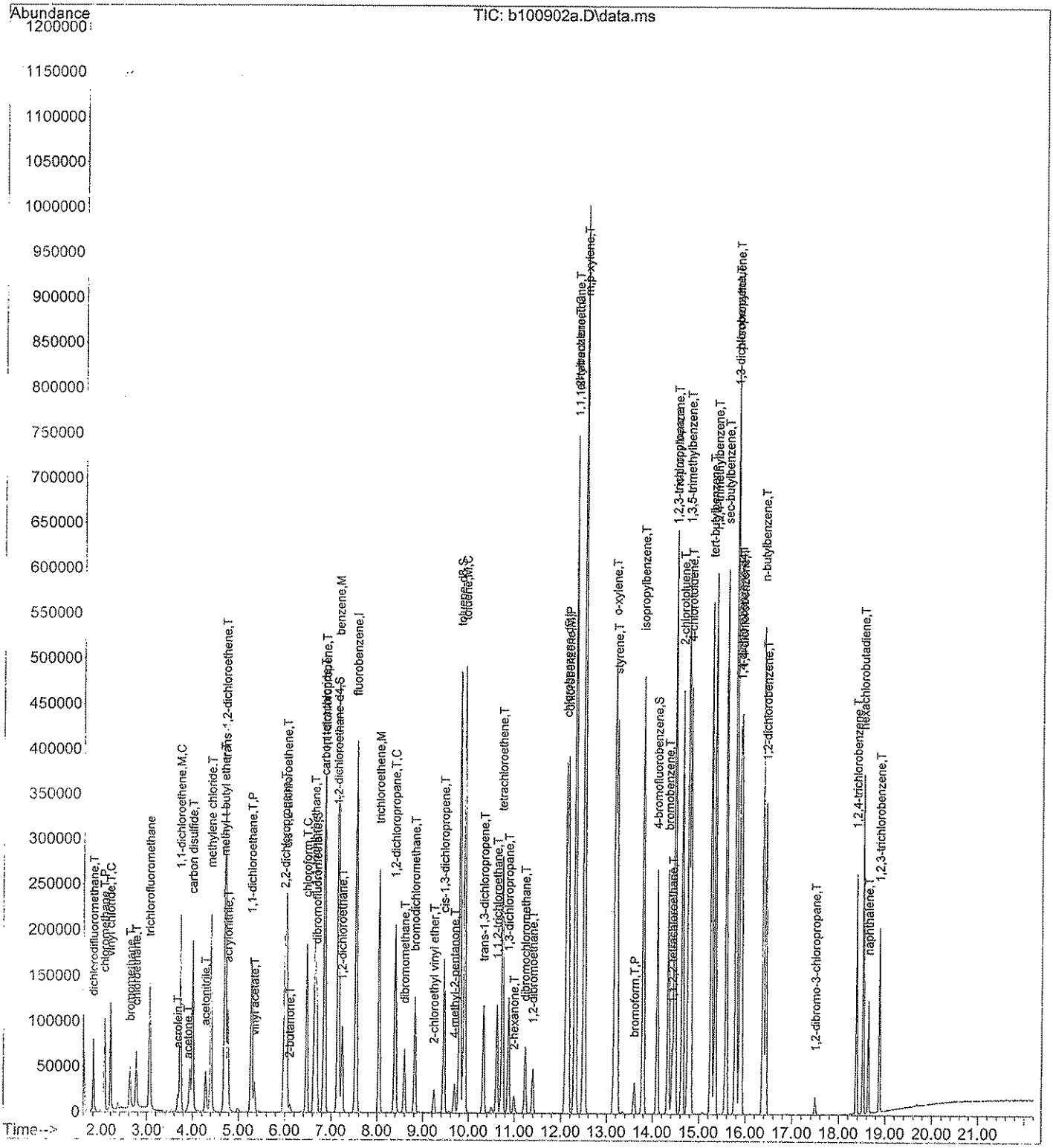
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2-hexanone	10.986	43	19541	9.37	ug/L	98
45) dibromochloromethane	11.229	129	56006	9.44	ug/L	98
46) 1,2-dibromoethane	11.393	107	48225	9.44	ug/L	100
47) chlorobenzene	12.147	112	315929	9.12	ug/L	100
48) 1,1,1,2-tetrachloroethane	12.305	131	93969	9.45	ug/L	99
49) ethylbenzene	12.299	91	586395	9.10	ug/L	100
50) m,p-xylene	12.494	106	473391	18.03	ug/L	99
51) o-xylene	13.169	106	215448	8.92	ug/L	98
52) styrene	13.211	104	328050	9.37	ug/L	98
53) isopropylbenzene	13.783	105	504593	9.20	ug/L	100
54) bromobenzene	14.336	156	112372	9.32	ug/L	98
55) bromoform	13.594	173	24452	9.33	ug/L	97
57) 1,2,3-trichloropropane	14.470	110	16187	9.59	ug/L	95
58) n-propylbenzene	14.476	91	658847	9.33	ug/L	100
59) 2-chlorotoluene	14.634	91	387078	9.19	ug/L	99
60) 4-chlorotoluene	14.811	91	438000	9.25	ug/L	100
61) 1,3,5-trimethylbenzene	14.762	105	473104	9.33	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.428	83	50284	9.60	ug/L	100
64) tert-butylbenzene	15.255	119	390171	9.06	ug/L	100
65) sec-butylbenzene	15.577	105	584742	9.37	ug/L	100
66) 1,2,4-trimethylbenzene	15.340	105	465490	9.09	ug/L	100
67) 1,3-dichlorobenzene	15.778	146	230076	9.32	ug/L	97
68) p-isopropyltoluene	15.790	119	466463	9.44	ug/L	99
69) 1,4-dichlorobenzene	15.905	146	222219	9.29	ug/L	99
70) 1,2-dichlorobenzene	16.434	146	183885	9.35	ug/L	99
71) n-butylbenzene	16.374	91	369789	9.56	ug/L	100
72) 1,2-dibromo-3-chloropr...	17.493	75	5050	8.81	ug/L	95
73) 1,2,4-trichlorobenzene	18.374	180	86033	10.00	ug/L	99
74) hexachlorobutadiene	18.514	225	77318	10.03	ug/L	100
75) naphthalene	18.636	128	95884	9.16	ug/L	100
76) 1,2,3-trichlorobenzene	18.873	180	62988	10.80	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100902a.D
Acq On : 9 Oct 2007 6:46 am
Operator : CLR
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 07:16:20 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100918.D
Acq On : 9 Oct 2007 3:53 pm
Operator : CLR
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 09 16:17:24 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	fluorobenzene	1.000	1.000	0.0	94	0.00
2	T	dichlorodifluoromethane	0.151	0.186	-23.2#	116	0.00
3	T,P	chloromethane	0.266	0.314	-18.0	112	0.00
4	T,C	vinyl chloride	0.278	0.280	-0.7	95	0.00
5	T	bromomethane	0.090	0.081	10.0	81	0.02
6	T	chloroethane	0.164	0.149	9.1	88	0.02
7		trichlorofluoromethane	0.308	0.317	-2.9	95	0.00
8	T	acrolein	0.006	0.005	16.7	93	0.00
9	M,C	1,1-dichloroethene	0.242	0.241	0.4	93	0.00
10	T	acetone	0.024	0.024	0.0	93	0.01
11	T	carbon disulfide	0.754	0.732	2.9	93	0.00
12	T	methylene chloride	0.276	0.281	-1.8	101	0.00
13	T	acrylonitrile	0.025	0.024	4.0	93	0.00
14	T	trans-1,2-dichloroethene	0.277	0.282	-1.8	96	0.00
15	T	methyl-t-butyl ether	0.346	0.338	2.3	94	0.00
16	T	acetonitrile	0.011	0.011	0.0	103	0.00
17	T,P	1,1-dichloroethane	0.500	0.486	2.8	92	0.00
18	T	vinyl acetate	0.142	0.139	2.1	93	0.00
19	T	cis-1,2-dichloroethene	0.288	0.288	0.0	94	0.00
20	T	2,2-dichloropropane	0.393	0.381	3.1	91	0.00
21	T	2-butanone	0.007	0.007	0.0	93	0.02
22	T,C	chloroform	0.429	0.421	1.9	93	0.00
23	S	dibromofluoromethane	0.188	0.198	-5.3	99	0.00
24	T	1,1,1-trichloroethane	0.390	0.381	2.3	91	0.00
25	T	carbon tetrachloride	0.320	0.314	1.9	90	0.00
26	S	1,2-dichloroethane-d4	0.164	0.172	-4.9	99	0.00
27	M	benzene	1.137	1.125	1.1	94	0.00
28	T	1,1-dichloropropene	0.366	0.347	5.2	89	0.00
29	T	1,2-dichloroethane	0.221	0.219	0.9	95	0.00
30	M	trichloroethene	0.275	0.267	2.9	92	0.00
31	T,C	1,2-dichloropropane	0.252	0.246	2.4	93	0.00
32	T	dibromomethane	0.080	0.080	0.0	94	0.00
33	T	bromodichloromethane	0.259	0.254	1.9	91	0.00
34	T	2-chloroethyl vinyl ether	0.037	0.028	24.3#	69	0.00
35	I	chlorobenzene-d5	1.000	1.000	0.0	97	0.00
36	T	cis-1,3-dichloropropene	0.453	0.432	4.6	90	0.00
37	T	4-methyl-2-pentanone	0.108	0.102	5.6	91	0.00
38	S	toluene-d8	1.456	1.445	0.8	95	0.00
39	M,C	toluene	1.096	1.107	-1.0	99	0.00
40	T	1,1,2-trichloroethane	0.153	0.156	-2.0	99	0.00
41	T	1,3-dichloropropane	0.347	0.340	2.0	96	0.00
42	T	tetrachloroethene	0.343	0.337	1.7	95	0.00
43	T	trans-1,3-dichloropropene	0.296	0.287	3.0	92	0.00
44	T	2-hexanone	0.065	0.060	7.7	88	0.00
45	T	dibromochloromethane	0.185	0.185	0.0	93	0.00
46	T	1,2-dibromoethane	0.159	0.160	-0.6	96	0.00
47	M,P	chlorobenzene	1.081	1.059	2.0	95	0.00
48	T	1,1,1,2-tetrachloroethane	0.310	0.317	-2.3	97	0.00
49	T,C	ethylbenzene	2.009	1.944	3.2	93	0.00

Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100918.D
Acq On : 9 Oct 2007 3:53 pm
Operator : CLR
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 09 16:17:24 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50	T	m,p-xylene	0.819	0.796	2.8	94	0.00
51	T	o-xylene	0.753	0.718	4.6	91	0.00
52	T	styrene	1.092	1.098	-0.5	92	0.00
53	T	isopropylbenzene	1.710	1.666	2.6	92	0.00
54	T	bromobenzene	0.376	0.381	-1.3	98	0.00
55	T,P	bromoform	0.082	0.082#	0.0	94	0.00
56	S	4-bromofluorobenzene	0.444	0.435	2.0	95	0.00
57		1,2,3-trichloropropane	0.053	0.055	-3.8	102	0.00
58	T	n-propylbenzene	2.204	2.190	0.6	94	0.00
59	T	2-chlorotoluene	1.314	1.294	1.5	94	0.00
60	T	4-chlorotoluene	1.478	1.475	0.2	95	0.00
61	T	1,3,5-trimethylbenzene	1.582	1.578	0.3	94	0.00
62	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
63	T	1,1,2,2-tetrachloroethane	0.361	0.366	-1.4	100	0.00
64	T	tert-butylbenzene	2.966	2.785	6.1	93	0.00
65	T	sec-butylbenzene	4.303	4.180	2.9	95	0.00
66	T	1,2,4-trimethylbenzene	3.530	3.341	5.4	95	0.00
67	T	1,3-dichlorobenzene	1.701	1.678	1.4	99	0.00
68	T	p-isopropyltoluene	3.404	3.332	2.1	94	0.00
69	T	1,4-dichlorobenzene	1.648	1.622	1.6	100	0.00
70	T	1,2-dichlorobenzene	1.355	1.351	0.3	100	0.00
71	T	n-butylbenzene	2.665	2.580	3.2	92	0.00
72	T	1,2-dibromo-3-chloropropane	0.039	0.037	5.1	93	0.00
73	T	1,2,4-trichlorobenzene	0.593	0.597	-0.7	90	0.00
74	T	hexachlorobutadiene	0.531	0.550	-3.6	100	0.00
75	T	naphthalene	0.722	0.625	13.4	80	0.00
76	T	1,2,3-trichlorobenzene	0.402	0.437	-8.7	93	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100918.D
Acq On : 9 Oct 2007 3:53 pm
Operator : CLR
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 09 16:17:24 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

BL 10/9/7

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.540	96	458953	10.00	ug/L	0.00
35) chlorobenzene-d5	12.107	117	309187	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.872	152	144025	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.683	113	90764	10.50	ug/L	0.00
Spiked Amount 10.000			Recovery =	105.00%		
26) 1,2-dichloroethane-d4	7.133	65	78806	10.47	ug/L	0.00
Spiked Amount 10.000			Recovery =	104.70%		
38) toluene-d8	9.802	98	446903	9.93	ug/L	0.00
Spiked Amount 10.000			Recovery =	99.30%		
56) 4-bromofluorobenzene	14.096	95	134585	9.81	ug/L	0.00
Spiked Amount 10.000			Recovery =	98.10%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.812	85	85434	12.32	ug/L	100
3) chloromethane	2.055	50	144205	11.83	ug/L	98
4) vinyl chloride	2.195	62	128553	10.07	ug/L	97
5) bromomethane	2.620	94	37019	8.96	ug/L	97
6) chloroethane	2.754	64	68576	9.12	ug/L	98
7) trichlorofluoromethane	3.058	101	145673	10.29	ug/L #	99
8) acrolein	3.672	56	24383	94.99	ug/L	93
9) 1,1-dichloroethene	3.733	96	110719	9.95	ug/L	98
10) acetone	3.904	43	10913	9.86	ug/L	95
11) carbon disulfide	4.001	76	335896	9.70	ug/L	100
12) methylene chloride	4.396	84	128841	10.16	ug/L	97
13) acrylonitrile	4.767	53	111433	97.15	ug/L	97
14) trans-1,2-dichloroethene	4.712	96	129414	10.19	ug/L	94
15) methyl-t-butyl ether	4.694	73	155192	9.78	ug/L	97
16) acetonitrile	4.281	41	49813	96.57	ug/L	97
17) 1,1-dichloroethane	5.266	63	222836	9.71	ug/L	100
18) vinyl acetate	5.333	43	63987	9.83	ug/L	98
19) cis-1,2-dichloroethene	6.032	96	132183	10.00	ug/L	96
20) 2,2-dichloropropane	5.989	77	174904	9.70	ug/L	99
21) 2-butanone	6.111	72	3368	10.35	ug/L #	92
22) chloroform	6.464	83	193304	9.82	ug/L	99
24) 1,1,1-trichloroethane	6.640	97	175010	9.78	ug/L	98
25) carbon tetrachloride	6.847	117	143899	9.79	ug/L	98
27) benzene	7.151	78	516096	9.89	ug/L	100
28) 1,1-dichloropropene	6.859	75	159046	9.47	ug/L	99
29) 1,2-dichloroethane	7.236	62	100683	9.93	ug/L	97
30) trichloroethene	8.045	95	122615	9.70	ug/L	99
31) 1,2-dichloropropane	8.392	63	113101	9.79	ug/L	99
32) dibromomethane	8.592	93	36712	9.98	ug/L	97
33) bromodichloromethane	8.823	83	116663	9.82	ug/L	99
34) 2-chloroethyl vinyl ether	9.243	63	12827	7.55	ug/L	99
36) cis-1,3-dichloropropene	9.456	75	133566	9.54	ug/L	99
37) 4-methyl-2-pentanone	9.687	43	31410	9.40	ug/L	96
39) toluene	9.906	92	342384	10.11	ug/L	99
40) 1,1,2-trichloroethane	10.611	83	48383	10.22	ug/L	99
41) 1,3-dichloropropane	10.867	76	105114	9.79	ug/L	99
42) tetrachloroethene	10.727	164	104098	9.80	ug/L	99
43) trans-1,3-dichloropropene	10.319	75	88876	9.70	ug/L	100

10/10/7

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100918.D
Acq On : 9 Oct 2007 3:53 pm
Operator : CLR
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 09 16:17:24 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

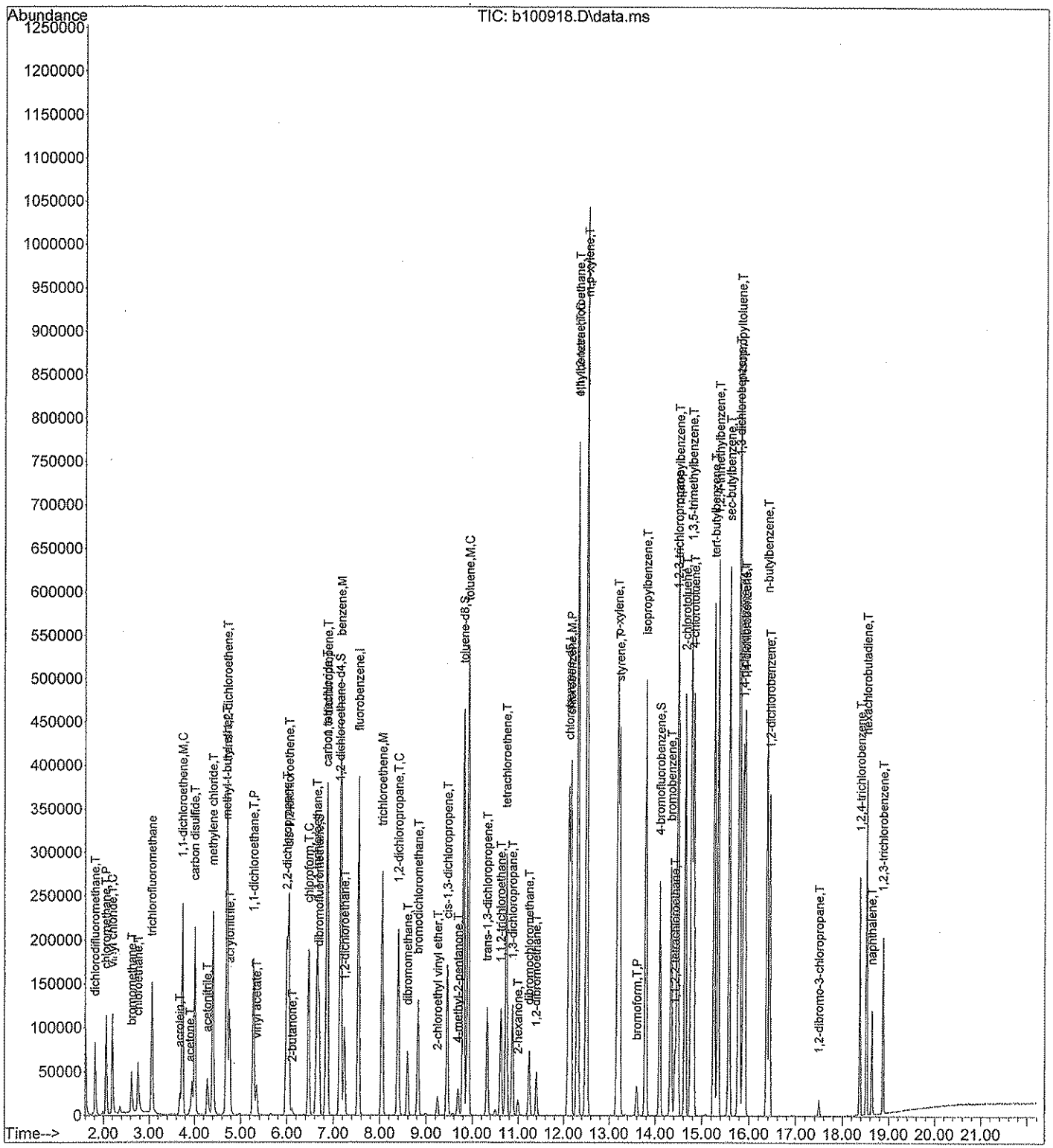
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2-hexanone	10.988	43	18416	9.15	ug/L	97
45) dibromochloromethane	11.232	129	57345	10.02	ug/L	97
46) 1,2-dibromoethane	11.390	107	49592	10.06	ug/L	99
47) chlorobenzene	12.150	112	327393	9.80	ug/L	98
48) 1,1,1,2-tetrachloroethane	12.302	131	98094	10.23	ug/L	99
49) ethylbenzene	12.302	91	600970	9.67	ug/L	98
50) m,p-xylene	12.496	106	492471	19.45	ug/L	99
51) o-xylene	13.171	106	221844	9.53	ug/L	98
52) styrene	13.214	104	339599	10.06	ug/L	98
53) isopropylbenzene	13.786	105	515244	9.75	ug/L	100
54) bromobenzene	14.333	156	117707	10.13	ug/L	97
55) bromoform	13.597	173	25313	10.02	ug/L	98
57) 1,2,3-trichloropropane	14.467	110	16969	10.43	ug/L	99
58) n-propylbenzene	14.479	91	677247	9.94	ug/L	100
59) 2-chlorotoluene	14.637	91	399965	9.84	ug/L	98
60) 4-chlorotoluene	14.813	91	455956	9.98	ug/L	99
61) 1,3,5-trimethylbenzene	14.765	105	487995	9.98	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.424	83	52645	10.13	ug/L	95
64) tert-butylbenzene	15.251	119	401178	9.39	ug/L	99
65) sec-butylbenzene	15.580	105	602040	9.71	ug/L	100
66) 1,2,4-trimethylbenzene	15.336	105	481217	9.46	ug/L	100
67) 1,3-dichlorobenzene	15.774	146	241741	9.87	ug/L	98
68) p-isopropyltoluene	15.793	119	479858	9.79	ug/L	99
69) 1,4-dichlorobenzene	15.908	146	233629	9.84	ug/L	99
70) 1,2-dichlorobenzene	16.431	146	194547	9.97	ug/L	98
71) n-butylbenzene	16.370	91	371627	9.68	ug/L	99
72) 1,2-dibromo-3-chloropr...	17.489	75	5275	9.28	ug/L	94
73) 1,2,4-trichlorobenzene	18.377	180	86050	10.08	ug/L	99
74) hexachlorobutadiene	18.517	225	79261	10.36	ug/L	99
75) naphthalene	18.633	128	90076	8.67	ug/L	100
76) 1,2,3-trichlorobenzene	18.870	180	62927	10.87	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100918.D
Acq On : 9 Oct 2007 3:53 pm
Operator : CLR
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 09 16:17:24 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101002.D
Acq On : 10 Oct 2007 5:53 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 07:02:46 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	fluorobenzene	1.000	1.000	0.0	94	0.00
2	T	dichlorodifluoromethane	0.151	0.189	-25.2#	116	0.00
3	T,P	chloromethane	0.266	0.289#	-8.6	102	0.00
4	T,C	vinyl chloride	0.278	0.282	-1.4	95	0.00
5	T	bromomethane	0.090	0.075	16.7	74	0.01
6	T	chloroethane	0.164	0.156	4.9	90	0.02
7		trichlorofluoromethane	0.308	0.329	-6.8	98	0.01
8	T	acrolein	0.006	0.005	16.7	82	0.00
9	M,C	1,1-dichloroethene	0.242	0.236	2.5	91	0.00
10	T	acetone	0.024	0.026	-8.3	100	0.00
11	T	carbon disulfide	0.754	0.721	4.4	91	0.00
12	T	methylene chloride	0.276	0.254	8.0	91	0.00
13	T	acrylonitrile	0.025	0.022	12.0	83	0.00
14	T	trans-1,2-dichloroethene	0.277	0.273	1.4	92	0.00
15	T	methyl-t-butyl ether	0.346	0.312	9.8	86	0.00
16	T	acetonitrile	0.011	0.011	0.0	105	0.00
17	T,P	1,1-dichloroethane	0.500	0.464	7.2	87	0.00
18	T	vinyl acetate	0.142	0.127	10.6	84	0.00
19	T	cis-1,2-dichloroethene	0.288	0.275	4.5	89	0.00
20	T	2,2-dichloropropane	0.393	0.367	6.6	87	0.00
21	T	2-butanone	0.007	0.007	0.0	87	0.02
22	T,C	chloroform	0.429	0.405	5.6	88	0.00
23	S	dibromofluoromethane	0.188	0.192	-2.1	96	0.00
24	T	1,1,1-trichloroethane	0.390	0.366	6.2	86	0.00
25	T	carbon tetrachloride	0.320	0.301	5.9	85	0.00
26	S	1,2-dichloroethane-d4	0.164	0.166	-1.2	95	0.00
27	M	benzene	1.137	1.084	4.7	90	0.00
28	T	1,1-dichloropropene	0.366	0.336	8.2	85	0.00
29	T	1,2-dichloroethane	0.221	0.208	5.9	89	0.00
30	M	trichloroethene	0.275	0.257	6.5	87	0.00
31	T,C	1,2-dichloropropane	0.252	0.231	8.3	86	0.00
32	T	dibromomethane	0.080	0.074	7.5	87	0.00
33	T	bromodichloromethane	0.259	0.237	8.5	84	0.00
34	T	2-chloroethyl vinyl ether	0.037	0.022	40.5#	53	0.00
35	I	chlorobenzene-d5	1.000	1.000	0.0	94	0.00
36	T	cis-1,3-dichloropropene	0.453	0.403	11.0	82	0.00
37	T	4-methyl-2-pentanone	0.108	0.089	17.6	77	0.00
38	S	toluene-d8	1.456	1.460	-0.3	94	0.00
39	M,C	toluene	1.096	1.025	6.5	89	0.00
40	T	1,1,2-trichloroethane	0.153	0.143	6.5	88	0.00
41	T	1,3-dichloropropane	0.347	0.320	7.8	88	0.00
42	T	tetrachloroethene	0.343	0.336	2.0	93	0.00
43	T	trans-1,3-dichloropropene	0.296	0.265	10.5	83	0.00
44	T	2-hexanone	0.065	0.053	18.5	76	0.00
45	T	dibromochloromethane	0.185	0.174	5.9	85	0.00
46	T	1,2-dibromoethane	0.159	0.148	6.9	86	0.00
47	M,P	chlorobenzene	1.081	1.025	5.2	90	0.00
48	T	1,1,1,2-tetrachloroethane	0.310	0.300	3.2	89	0.00
49	T,C	ethylbenzene	2.009	1.897	5.6	89	0.00

10/10/07

Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101002.D
Acq On : 10 Oct 2007 5:53 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 07:02:46 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50	T	m,p-xylene	0.819	0.777	5.1	90	0.00
51	T	o-xylene	0.753	0.688	8.6	86	0.00
52	T	styrene	1.092	1.052	3.7	86	0.00
53	T	isopropylbenzene	1.710	1.624	5.0	88	0.00
54	T	bromobenzene	0.376	0.364	3.2	92	0.00
55	T,P	bromoform	0.082	0.078#	4.9	87	0.00
56	S	4-bromofluorobenzene	0.444	0.432	2.7	92	0.00
57		1,2,3-trichloropropane	0.053	0.052	1.9	94	0.00
58	T	n-propylbenzene	2.204	2.143	2.8	90	0.00
59	T	2-chlorotoluene	1.314	1.249	4.9	89	0.00
60	T	4-chlorotoluene	1.478	1.420	3.9	90	0.00
61	T	1,3,5-trimethylbenzene	1.582	1.554	1.8	91	0.00
62	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
63	T	1,1,2,2-tetrachloroethane	0.361	0.344	4.7	92	0.00
64	T	tert-butylbenzene	2.966	2.740	7.6	89	0.00
65	T	sec-butylbenzene	4.303	4.087	5.0	90	0.00
66	T	1,2,4-trimethylbenzene	3.530	3.273	7.3	90	0.00
67	T	1,3-dichlorobenzene	1.701	1.615	5.1	93	0.00
68	T	p-isopropyltoluene	3.404	3.305	2.9	91	0.00
69	T	1,4-dichlorobenzene	1.648	1.548	6.1	92	0.00
70	T	1,2-dichlorobenzene	1.355	1.288	4.9	93	0.00
71	T	n-butylbenzene	2.665	2.557	4.1	88	0.00
72	T	1,2-dibromo-3-chloropropane	0.039	0.036	7.7	90	0.00
73	T	1,2,4-trichlorobenzene	0.593	0.555	6.4	81	0.00
74	T	hexachlorobutadiene	0.531	0.543	-2.3	96	0.00
75	T	naphthalene	0.722	0.579	19.8	72	0.00
76	T	1,2,3-trichlorobenzene	0.402	0.401	0.2	83	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101002.D
Acq On : 10 Oct 2007 5:53 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 07:02:46 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.540	96	454485	10.00	ug/L		0.00
35) chlorobenzene-d5	12.101	117	302099	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	139926	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.683	113	87329	10.20	ug/L		0.00
Spiked Amount 10.000			Recovery =	102.00%			
26) 1,2-dichloroethane-d4	7.133	65	75319	10.11	ug/L		0.00
Spiked Amount 10.000			Recovery =	101.10%			
38) toluene-d8	9.803	98	441137	10.03	ug/L		0.00
Spiked Amount 10.000			Recovery =	100.30%			
56) 4-bromofluorobenzene	14.096	95	130520	9.73	ug/L		0.00
Spiked Amount 10.000			Recovery =	97.30%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	85828	12.50	ug/L		100
3) chloromethane	2.055	50	131138	10.87	ug/L		100
4) vinyl chloride	2.195	62	128086	10.13	ug/L		99
5) bromomethane	2.614	94	34042	8.32	ug/L		99
6) chloroethane	2.754	64	70896	9.52	ug/L		99
7) trichlorofluoromethane	3.064	101	149629	10.67	ug/L	#	99
8) acrolein	3.673	56	21570	84.86	ug/L		95
9) 1,1-dichloroethene	3.733	96	107403	9.75	ug/L		98
10) acetone	3.898	43	11735	10.71	ug/L		94
11) carbon disulfide	4.001	76	327610	9.56	ug/L		100
12) methylene chloride	4.396	84	115611	9.20	ug/L		97
13) acrylonitrile	4.767	53	98676	86.88	ug/L		97
14) trans-1,2-dichloroethene	4.706	96	124296	9.88	ug/L		97
15) methyl-t-butyl ether	4.694	73	141630	9.01	ug/L		99
16) acetonitrile	4.275	41	50937	99.71	ug/L		97
17) 1,1-dichloroethane	5.266	63	210976	9.28	ug/L		98
18) vinyl acetate	5.333	43	57844	8.97	ug/L		98
19) cis-1,2-dichloroethene	6.032	96	124890	9.54	ug/L		96
20) 2,2-dichloropropane	5.983	77	166815	9.35	ug/L		99
21) 2-butanone	6.105	72	3157	9.79	ug/L		86
22) chloroform	6.464	83	184197	9.44	ug/L		98
24) 1,1,1-trichloroethane	6.640	97	166164	9.38	ug/L		98
25) carbon tetrachloride	6.847	117	136669	9.39	ug/L		99
27) benzene	7.151	78	492650	9.54	ug/L		99
28) 1,1-dichloropropene	6.859	75	152490	9.17	ug/L		99
29) 1,2-dichloroethane	7.236	62	94387	9.40	ug/L		98
30) trichloroethene	8.039	95	116969	9.35	ug/L		100
31) 1,2-dichloropropane	8.392	63	105052	9.18	ug/L		95
32) dibromomethane	8.592	93	33854	9.29	ug/L		98
33) bromodichloromethane	8.817	83	107887	9.17	ug/L		99
34) 2-chloroethyl vinyl ether	9.237	63	9832	5.84	ug/L		99
36) cis-1,3-dichloropropene	9.456	75	121644	8.89	ug/L		98
37) 4-methyl-2-pentanone	9.687	43	26807	8.21	ug/L		99
39) toluene	9.900	92	309723	9.36	ug/L		100
40) 1,1,2-trichloroethane	10.611	83	43265	9.36	ug/L		98
41) 1,3-dichloropropane	10.861	76	96607	9.21	ug/L		100
42) tetrachloroethene	10.727	164	101467	9.78	ug/L		98
43) trans-1,3-dichloropropene	10.319	75	79942	8.93	ug/L		99

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101002.D
Acq On : 10 Oct 2007 5:53 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 07:02:46 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

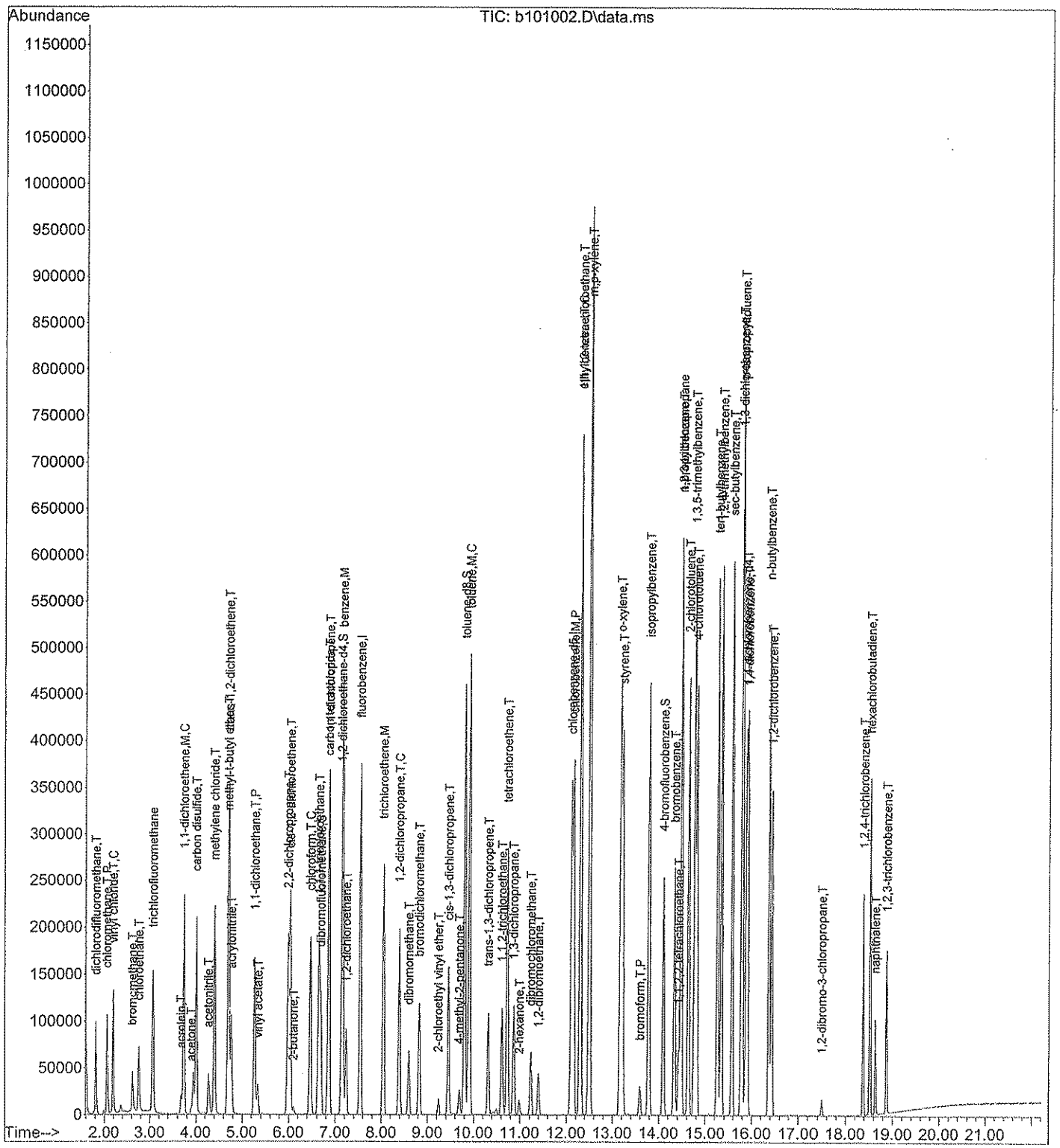
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2-hexanone	10.988	43	16020	8.15	ug/L	97
45) dibromochloromethane	11.232	129	52571	9.40	ug/L	94
46) 1,2-dibromoethane	11.396	107	44604	9.26	ug/L	100
47) chlorobenzene	12.150	112	309615	9.48	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.302	131	90759	9.69	ug/L	100
49) ethylbenzene	12.302	91	573113	9.44	ug/L	100
50) m,p-xylene	12.497	106	469704	18.98	ug/L	100
51) o-xylene	13.166	106	207804	9.13	ug/L	99
52) styrene	13.214	104	317759	9.64	ug/L	98
53) isopropylbenzene	13.786	105	490546	9.50	ug/L	100
54) bromobenzene	14.333	156	109894	9.68	ug/L	96
55) bromoform	13.597	173	23431	9.49	ug/L	97
57) 1,2,3-trichloropropane	14.473	110	15619	9.82	ug/L	96
58) n-propylbenzene	14.473	91	647400	9.73	ug/L	100
59) 2-chlorotoluene	14.631	91	377277	9.50	ug/L	99
60) 4-chlorotoluene	14.807	91	429009	9.61	ug/L	99
61) 1,3,5-trimethylbenzene	14.759	105	469536	9.83	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.424	83	48126	9.53	ug/L	100
64) tert-butylbenzene	15.251	119	383441	9.24	ug/L	99
65) sec-butylbenzene	15.574	105	571945	9.50	ug/L	99
66) 1,2,4-trimethylbenzene	15.337	105	458003	9.27	ug/L	100
67) 1,3-dichlorobenzene	15.774	146	226050	9.50	ug/L	99
68) p-isopropyltoluene	15.793	119	462489	9.71	ug/L	99
69) 1,4-dichlorobenzene	15.908	146	216581	9.39	ug/L	99
70) 1,2-dichlorobenzene	16.431	146	180170	9.50	ug/L	99
71) n-butylbenzene	16.370	91	357731	9.59	ug/L	99
72) 1,2-dibromo-3-chloropr...	17.489	75	5066	9.17	ug/L	87
73) 1,2,4-trichlorobenzene	18.377	180	77724	9.37	ug/L	98
74) hexachlorobutadiene	18.517	225	76016	10.22	ug/L	98
75) naphthalene	18.633	128	81009	8.02	ug/L	100
76) 1,2,3-trichlorobenzene	18.876	180	56170	9.99	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101002.D
Acq On : 10 Oct 2007 5:53 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 07:02:46 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101019.D
Acq On : 10 Oct 2007 3:43 pm
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 10 16:11:26 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

10/10/07

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	fluorobenzene	1.000	1.000	0.0	93	0.00
2	T	dichlorodifluoromethane	0.151	0.147	2.6	91	0.00
3	T,P	chloromethane	0.266	0.268#	-0.8	94	0.00
4	T,C	vinyl chloride	0.278	0.254	8.6	85	0.00
5	T	bromomethane	0.090	0.082	8.9	81	0.01
6	T	chloroethane	0.164	0.143	12.8	83	0.02
7		trichlorofluoromethane	0.308	0.295	4.2	88	0.00
8	T	acrolein	0.006	0.005	16.7	78	0.00
9	M,C	1,1-dichloroethene	0.242	0.210	13.2	80	0.00
10	T	acetone	0.024	0.023	4.2	89	0.00
11	T	carbon disulfide	0.754	0.638	15.4	80	0.00
12	T	methylene chloride	0.276	0.277	-0.4	99	0.00
13	T	acrylonitrile	0.025	0.023	8.0	88	0.00
14	T	trans-1,2-dichloroethene	0.277	0.252	9.0	84	0.00
15	T	methyl-t-butyl ether	0.346	0.316	8.7	87	0.00
16	T	acetonitrile	0.011	0.011	0.0	103	0.00
17	T,P	1,1-dichloroethane	0.500	0.432	13.6	81	0.00
18	T	vinyl acetate	0.142	0.117	17.6	77	0.00
19	T	cis-1,2-dichloroethene	0.288	0.257	10.8	83	0.00
20	T	2,2-dichloropropane	0.393	0.333	15.3	79	0.00
21	T	2-butanone	0.007	0.006	14.3	81	0.01
22	T,C	chloroform	0.429	0.380	11.4	83	0.00
23	S	dibromofluoromethane	0.188	0.196	-4.3	97	0.00
24	T	1,1,1-trichloroethane	0.390	0.332	14.9	78	0.00
25	T	carbon tetrachloride	0.320	0.269	15.9	76	0.00
26	S	1,2-dichloroethane-d4	0.164	0.169	-3.0	97	0.00
27	M	benzene	1.137	1.012	11.0	84	0.00
28	T	1,1-dichloropropene	0.366	0.299	18.3	76	0.00
29	T	1,2-dichloroethane	0.221	0.198	10.4	84	0.00
30	M	trichloroethene	0.275	0.235	14.5	80	0.00
31	T,C	1,2-dichloropropane	0.252	0.220	12.7	82	0.00
32	T	dibromomethane	0.080	0.071	11.3	83	0.00
33	T	bromodichloromethane	0.259	0.225	13.1	79	0.00
34	T	2-chloroethyl vinyl ether	0.037	0.022	40.5#	55	0.00
35	I	chlorobenzene-d5	1.000	1.000	0.0	94	0.00
36	T	cis-1,3-dichloropropene	0.453	0.379	16.3	78	0.00
37	T	4-methyl-2-pentanone	0.108	0.086	20.4#	75	0.00
38	S	toluene-d8	1.456	1.460	-0.3	94	0.00
39	M,C	toluene	1.096	0.952	13.1	83	0.00
40	T	1,1,2-trichloroethane	0.153	0.141	7.8	87	0.00
41	T	1,3-dichloropropane	0.347	0.302	13.0	83	0.00
42	T	tetrachloroethene	0.343	0.303	11.7	83	0.00
43	T	trans-1,3-dichloropropene	0.296	0.251	15.2	78	0.00
44	T	2-hexanone	0.065	0.050	23.1#	72	0.00
45	T	dibromochloromethane	0.185	0.163	11.9	80	0.00
46	T	1,2-dibromoethane	0.159	0.142	10.7	83	0.00
47	M,P	chlorobenzene	1.081	0.970	10.3	85	0.00
48	T	1,1,1,2-tetrachloroethane	0.310	0.283	8.7	84	0.00
49	T,C	ethylbenzene	2.009	1.743	13.2	81	0.00

Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101019.D
Acq On : 10 Oct 2007 3:43 pm
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 10 16:11:26 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50	T	m,p-xylene	0.819	0.720	12.1	83	0.00
51	T	o-xylene	0.753	0.641	14.9	80	0.00
52	T	styrene	1.092	0.976	10.6	80	0.00
53	T	isopropylbenzene	1.710	1.473	13.9	80	0.00
54	T	bromobenzene	0.376	0.339	9.8	85	0.00
55	T,P	bromoform	0.082	0.073#	11.0	83	0.00
56	S	4-bromofluorobenzene	0.444	0.433	2.5	92	0.00
57		1,2,3-trichloropropane	0.053	0.049	7.5	89	0.00
58	T	n-propylbenzene	2.204	1.968	10.7	82	0.00
59	T	2-chlorotoluene	1.314	1.168	11.1	83	0.00
60	T	4-chlorotoluene	1.478	1.334	9.7	84	0.00
61	T	1,3,5-trimethylbenzene	1.582	1.425	9.9	83	0.00
62	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
63	T	1,1,2,2-tetrachloroethane	0.361	0.324	10.2	87	0.00
64	T	tert-butylbenzene	2.966	2.464	16.9	80	0.00
65	T	sec-butylbenzene	4.303	3.688	14.3	82	0.00
66	T	1,2,4-trimethylbenzene	3.530	3.015	14.6	84	0.00
67	T	1,3-dichlorobenzene	1.701	1.515	10.9	88	0.00
68	T	p-isopropyltoluene	3.404	2.979	12.5	82	0.00
69	T	1,4-dichlorobenzene	1.648	1.464	11.2	88	0.00
70	T	1,2-dichlorobenzene	1.355	1.219	10.0	89	0.00
71	T	n-butylbenzene	2.665	2.288	14.1	80	0.00
72	T	1,2-dibromo-3-chloropropane	0.039	0.032	17.9	81	0.00
73	T	1,2,4-trichlorobenzene	0.593	0.533	10.1	78	0.00
74	T	hexachlorobutadiene	0.531	0.498	6.2	89	0.00
75	T	naphthalene	0.722	0.552	23.5#	69	0.00
76	T	1,2,3-trichlorobenzene	0.402	0.394	2.0	82	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101019.D
Acq On : 10 Oct 2007 3:43 pm
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 10 16:11:26 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.541	96	453811	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	302286	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	141217	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.683	113	88747	10.39	ug/L		0.00
Spiked Amount 10.000			Recovery =	103.90%			
26) 1,2-dichloroethane-d4	7.127	65	76747	10.31	ug/L		0.00
Spiked Amount 10.000			Recovery =	103.10%			
38) toluene-d8	9.803	98	441483	10.03	ug/L		0.00
Spiked Amount 10.000			Recovery =	100.30%			
56) 4-bromofluorobenzene	14.097	95	130780	9.75	ug/L		0.00
Spiked Amount 10.000			Recovery =	97.50%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	66870	9.75	ug/L		98
3) chloromethane	2.056	50	121697	10.10	ug/L		100
4) vinyl chloride	2.195	62	115068	9.12	ug/L		97
5) bromomethane	2.615	94	37058	9.07	ug/L		98
6) chloroethane	2.755	64	64988	8.74	ug/L		99
7) trichlorofluoromethane	3.059	101	134101	9.58	ug/L	#	99
8) acrolein	3.673	56	20613	81.21	ug/L		100
9) 1,1-dichloroethene	3.734	96	95164	8.65	ug/L		98
10) acetone	3.898	43	10402	9.51	ug/L		97
11) carbon disulfide	4.002	76	289371	8.45	ug/L		100
12) methylene chloride	4.397	84	125580	10.01	ug/L		99
13) acrylonitrile	4.762	53	105511	93.03	ug/L		100
14) trans-1,2-dichloroethene	4.707	96	114206	9.09	ug/L		96
15) methyl-t-butyl ether	4.695	73	143524	9.14	ug/L		100
16) acetonitrile	4.275	41	49950	97.93	ug/L		98
17) 1,1-dichloroethane	5.267	63	196211	8.65	ug/L		100
18) vinyl acetate	5.333	43	53163	8.26	ug/L		100
19) cis-1,2-dichloroethene	6.033	96	116764	8.93	ug/L		98
20) 2,2-dichloropropane	5.984	77	151324	8.49	ug/L		99
21) 2-butanone	6.100	72	2948	9.16	ug/L	#	85
22) chloroform	6.465	83	172454	8.86	ug/L		99
24) 1,1,1-trichloroethane	6.641	97	150575	8.51	ug/L		100
25) carbon tetrachloride	6.842	117	122043	8.39	ug/L		98
27) benzene	7.152	78	459418	8.91	ug/L		100
28) 1,1-dichloropropene	6.860	75	135821	8.18	ug/L		99
29) 1,2-dichloroethane	7.237	62	89678	8.94	ug/L		98
30) trichloroethene	8.040	95	106556	8.53	ug/L		97
31) 1,2-dichloropropane	8.392	63	99710	8.73	ug/L		98
32) dibromomethane	8.593	93	32223	8.85	ug/L		97
33) bromodichloromethane	8.818	83	102019	8.69	ug/L		100
34) 2-chloroethyl vinyl ether	9.244	63	10152	6.04	ug/L		98
36) cis-1,3-dichloropropene	9.457	75	114714	8.38	ug/L		98
37) 4-methyl-2-pentanone	9.688	43	25997	7.96	ug/L		95
39) toluene	9.901	92	287680	8.69	ug/L		100
40) 1,1,2-trichloroethane	10.612	83	42697	9.23	ug/L		96
41) 1,3-dichloropropane	10.867	76	91329	8.70	ug/L		99
42) tetrachloroethene	10.728	164	91520	8.82	ug/L		97
43) trans-1,3-dichloropropene	10.320	75	75737	8.45	ug/L		99

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101019.D
Acq On : 10 Oct 2007 3:43 pm
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 19 Sample Multiplier: 1

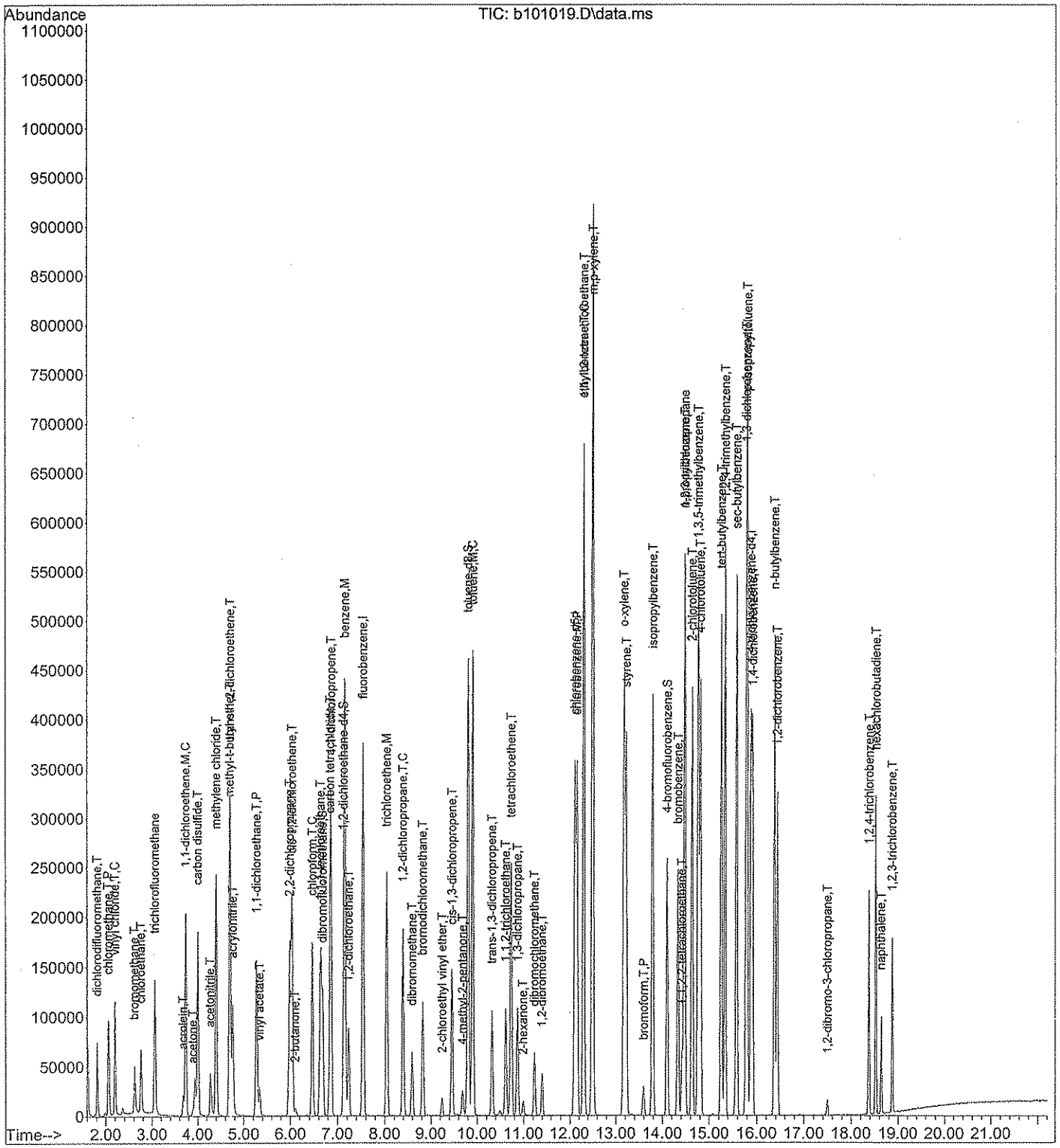
Quant Time: Oct 10 16:11:26 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2-hexanone	10.983	43	15096	7.67	ug/L	93
45) dibromochloromethane	11.232	129	49144	8.79	ug/L	97
46) 1,2-dibromoethane	11.397	107	43067	8.94	ug/L	99
47) chlorobenzene	12.151	112	293118	8.97	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.297	131	85581	9.13	ug/L	100
49) ethylbenzene	12.297	91	526959	8.68	ug/L	100
50) m,p-xylene	12.497	106	435026	17.57	ug/L	98
51) o-xylene	13.166	106	193615	8.51	ug/L	98
52) styrene	13.215	104	295040	8.94	ug/L	98
53) isopropylbenzene	13.786	105	445324	8.61	ug/L	99
54) bromobenzene	14.334	156	102542	9.02	ug/L	96
55) bromoform	13.598	173	22189	8.98	ug/L	94
57) 1,2,3-trichloropropane	14.474	110	14838	9.33	ug/L	97
58) n-propylbenzene	14.474	91	594820	8.93	ug/L	100
59) 2-chlorotoluene	14.632	91	352934	8.88	ug/L	99
60) 4-chlorotoluene	14.808	91	403372	9.03	ug/L	99
61) 1,3,5-trimethylbenzene	14.759	105	430686	9.01	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.419	83	45776	8.98	ug/L	97
64) tert-butylbenzene	15.252	119	347999	8.31	ug/L	99
65) sec-butylbenzene	15.574	105	520742	8.57	ug/L	100
66) 1,2,4-trimethylbenzene	15.337	105	425710	8.54	ug/L	100
67) 1,3-dichlorobenzene	15.775	146	213973	8.91	ug/L	100
68) p-isopropyltoluene	15.793	119	420729	8.75	ug/L	99
69) 1,4-dichlorobenzene	15.909	146	206810	8.88	ug/L	99
70) 1,2-dichlorobenzene	16.432	146	172181	9.00	ug/L	98
71) n-butylbenzene	16.371	91	323065	8.58	ug/L	99
72) 1,2-dibromo-3-chloropr...	17.490	75	4571	8.20	ug/L	95
73) 1,2,4-trichlorobenzene	18.378	180	75224	8.99	ug/L	94
74) hexachlorobutadiene	18.518	225	70321	9.37	ug/L	98
75) naphthalene	18.633	128	77897	7.64	ug/L	100
76) 1,2,3-trichlorobenzene	18.870	180	55613	9.80	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\msdchem\1\data\b101007\
Data File : b101019.D
Acq On : 10 Oct 2007 3:43 pm
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 10 16:11:26 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



SAMPLE RAW DATA

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100925.D
Acq On : 9 Oct 2007 7:56 pm
Operator : BR
Sample : ,SAMP,ME0710076-01A,1,
Misc : 8260+_W25
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 10 05:35:52 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	433986	10.00	ug/L	0.00
35) chlorobenzene-d5	12.108	117	288005	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.879	152	97031	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.690	113	84591	10.35	ug/L	0.00
Spiked Amount 10.000			Recovery =	103.50%		
26) 1,2-dichloroethane-d4	7.134	65	76430	10.74	ug/L	0.00
Spiked Amount 10.000			Recovery =	107.40%		
38) toluene-d8	9.804	98	412515	9.84	ug/L	0.00
Spiked Amount 10.000			Recovery =	98.40%		
56) 4-bromofluorobenzene	14.103	95	112632	8.81	ug/L	0.00
Spiked Amount 10.000			Recovery =	88.10%		
Target Compounds						Qvalue
10) acetone	3.905	43	2255	2.15	ug/L	73

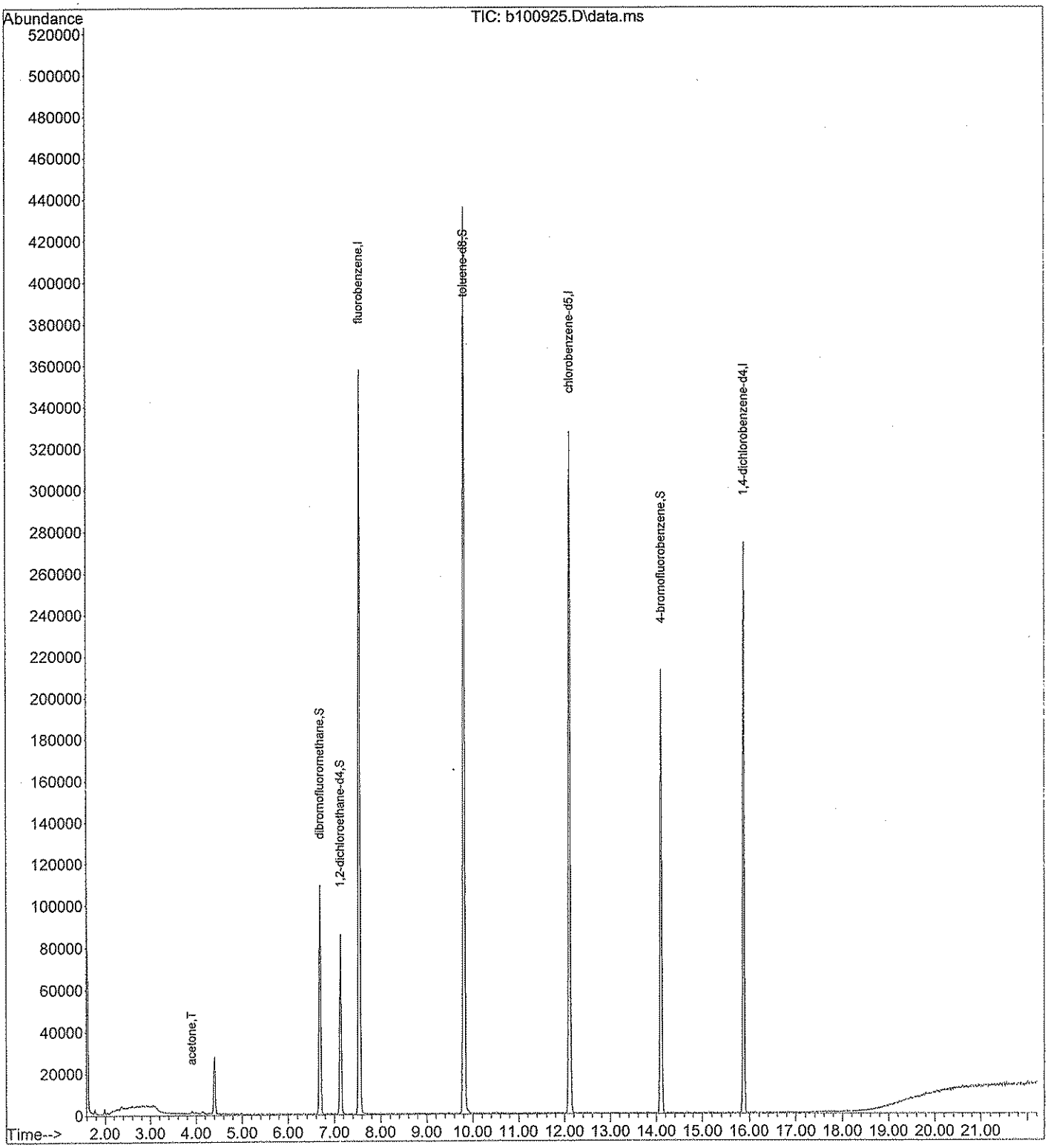
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JV 10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100925.D
Acq On : 9 Oct 2007 7:56 pm
Operator : BR
Sample : ,SAMP,ME0710076-01A,1,
Misc : 8260+_W25
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 10 05:35:52 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100926.D
Acq On : 9 Oct 2007 8:28 pm
Operator : BR
Sample : ,SAMP,ME0710076-02A,1,
Misc : 8260+_W25
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 10 05:35:57 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	447208	10.00	ug/L	0.00
35) chlorobenzene-d5	12.108	117	289802	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.878	152	99887	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.689	113	85159	10.11	ug/L	0.00
Spiked Amount 10.000			Recovery =		101.10%	
26) 1,2-dichloroethane-d4	7.133	65	74922	10.22	ug/L	0.00
Spiked Amount 10.000			Recovery =		102.20%	
38) toluene-d8	9.803	98	415301	9.84	ug/L	0.00
Spiked Amount 10.000			Recovery =		98.40%	
56) 4-bromofluorobenzene	14.096	95	115818	9.00	ug/L	0.00
Spiked Amount 10.000			Recovery =		90.00%	
Target Compounds						Qvalue
6) chloroethane	2.761	64	13936	1.90	ug/L	99
10) acetone	3.916	43	1757	1.63	ug/L	95
27) benzene	7.151	78	9798549	192.74	ug/L	98
29) 1,2-dichloroethane	7.151	62	83382	8.44	ug/L	89

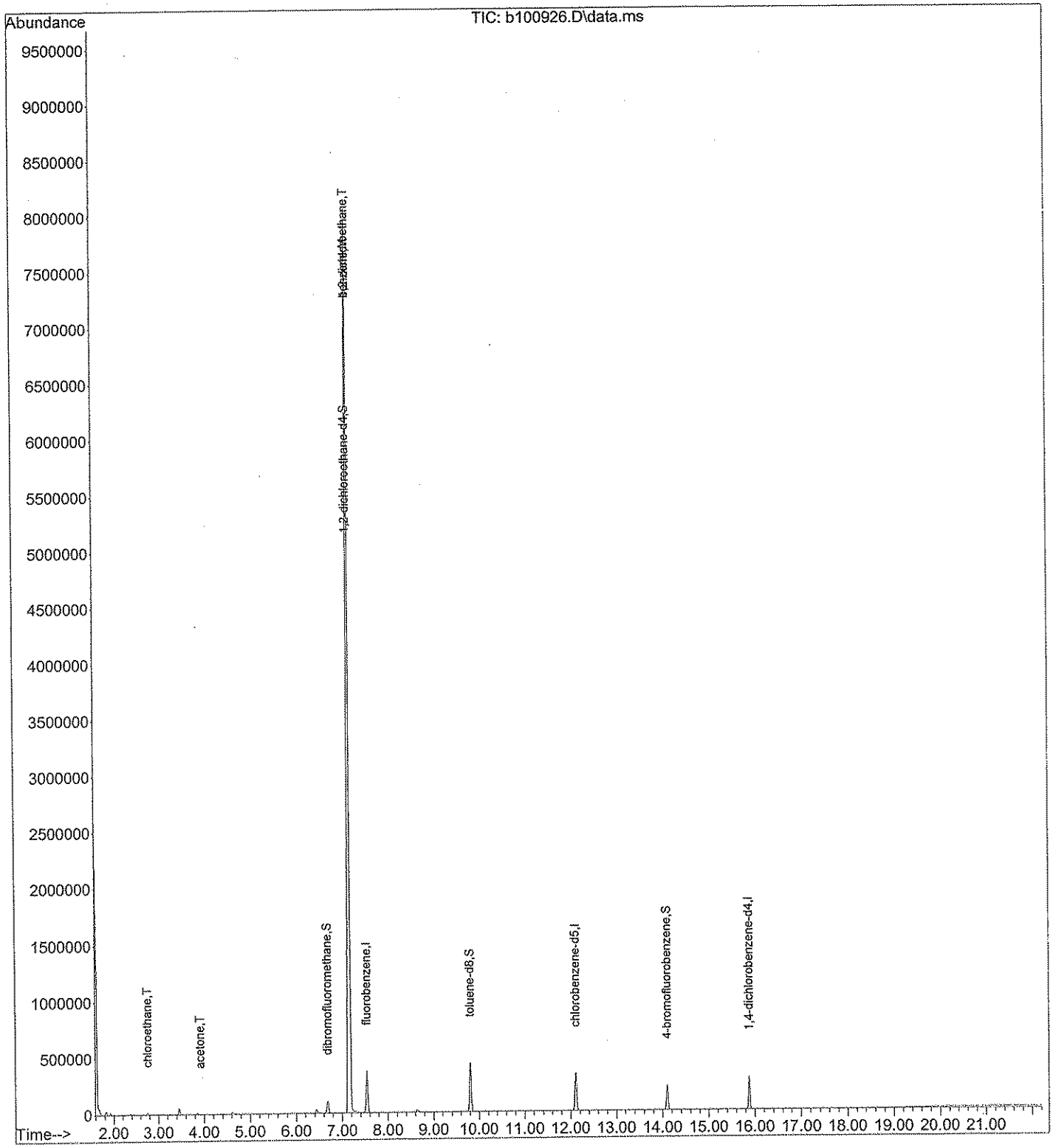
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100926.D
Acq On : 9 Oct 2007 8:28 pm
Operator : BR
Sample : ,SAMP,ME0710076-02A,1,
Misc : 8260+_W25
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 10 05:35:57 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101016.D
Acq On : 10 Oct 2007 1:43 pm
Operator : NLT
Sample : ,SAMP,ME0710076-02A,10,RA,
Misc : 8260+_W25
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 10 15:23:33 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.537	96	417746	10.00	ug/L	0.00
35) chlorobenzene-d5	12.104	117	274961	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.881	152	93469	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.686	113	82515	10.49	ug/L	0.00
Spiked Amount 10.000			Recovery =	104.90%		
26) 1,2-dichloroethane-d4	7.130	65	72397	10.57	ug/L	0.00
Spiked Amount 10.000			Recovery =	105.70%		
38) toluene-d8	9.800	98	393882	9.84	ug/L	0.00
Spiked Amount 10.000			Recovery =	98.40%		
56) 4-bromofluorobenzene	14.099	95	106127	8.70	ug/L	0.00
Spiked Amount 10.000			Recovery =	87.00%		
Target Compounds						Qvalue
27) benzene	7.154	78	1022179	21.52	ug/L	100
29) 1,2-dichloroethane	7.154	62	8178	0.89	ug/L	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

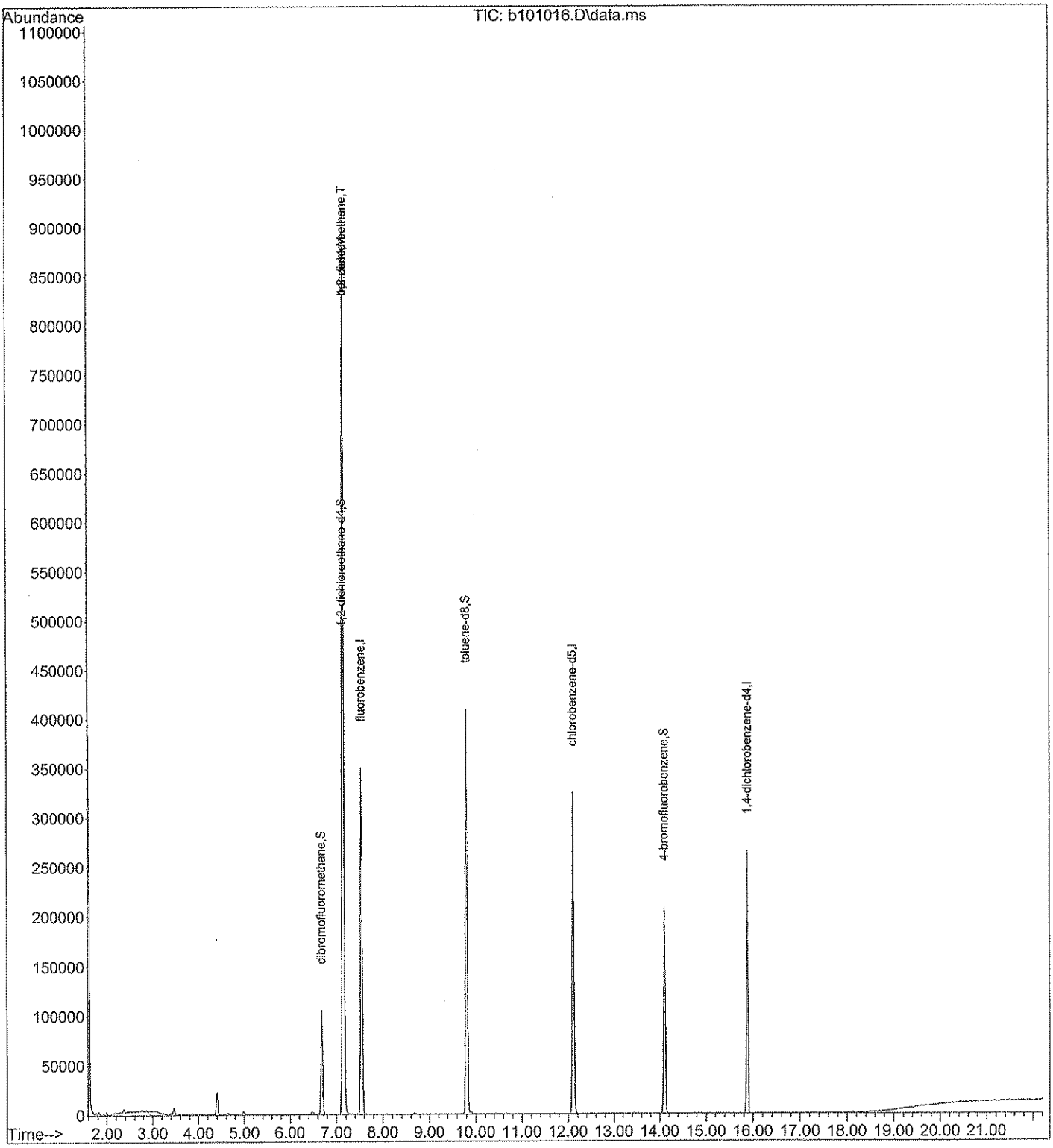
JN 10/10/07

10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101016.D
Acq On : 10 Oct 2007 1:43 pm
Operator : NLT
Sample : ,SAMP,ME0710076-02A,10,RA,
Misc : 8260+_W25
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 10 15:23:33 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100927.D
Acq On : 9 Oct 2007 9:00 pm
Operator : BR
Sample : ,SAMP,ME0710076-03A,1,
Misc : 8260+_W25
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 10 05:36:17 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	438909	10.00	ug/L	0.00
35) chlorobenzene-d5	12.108	117	288135	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.879	152	106882	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.684	113	85302	10.32	ug/L	0.00
Spiked Amount 10.000			Recovery =	103.20%		
26) 1,2-dichloroethane-d4	7.134	65	74960	10.41	ug/L	0.00
Spiked Amount 10.000			Recovery =	104.10%		
38) toluene-d8	9.803	98	414696	9.89	ug/L	0.00
Spiked Amount 10.000			Recovery =	98.90%		
56) 4-bromofluorobenzene	14.103	95	114993	8.99	ug/L	0.00
Spiked Amount 10.000			Recovery =	89.90%		
Target Compounds						Qvalue
10) acetone	3.904	43	11827	11.18	ug/L	92
27) benzene	7.152	78	12579	0.25	ug/L co?	93

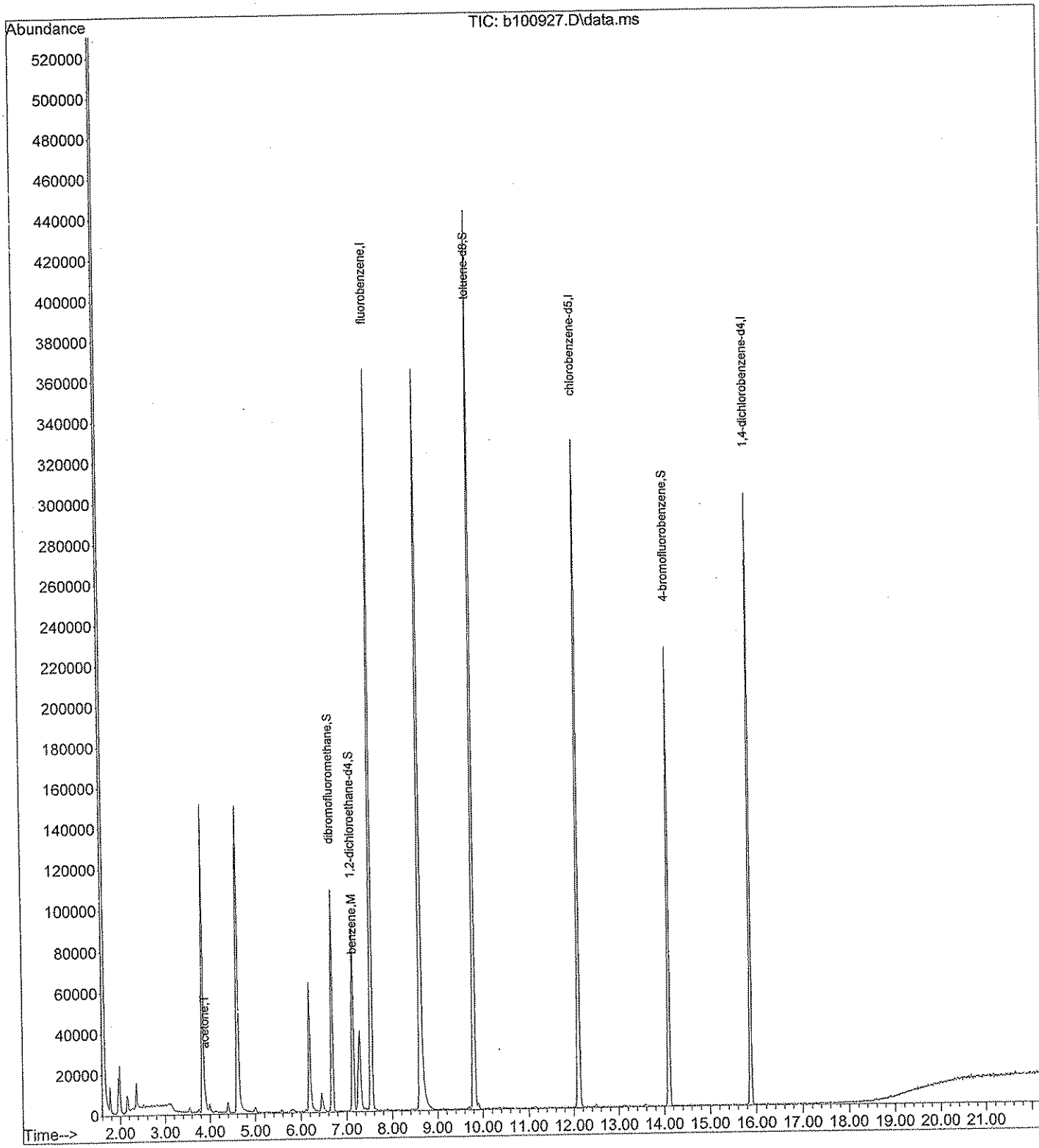
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100927.D
Acq On : 9 Oct 2007 9:00 pm
Operator : BR
Sample : ,SAMP,ME0710076-03A,1,
Misc : 8260+_W25
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 10 05:36:17 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100928.D
Acq On : 9 Oct 2007 9:32 pm
Operator : BR
Sample : ,SAMP,ME0710076-04A,1,
Misc : 8260+_W25
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 10 05:36:21 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	436976	10.00	ug/L	0.00
35) chlorobenzene-d5	12.102	117	286898	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.872	152	107663	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.683	113	86499	10.51	ug/L	0.00
Spiked Amount 10.000			Recovery =	105.10%		
26) 1,2-dichloroethane-d4	7.133	65	76525	10.68	ug/L	0.00
Spiked Amount 10.000			Recovery =	106.80%		
38) toluene-d8	9.803	98	412904	9.89	ug/L	0.00
Spiked Amount 10.000			Recovery =	98.90%		
56) 4-bromofluorobenzene	14.102	95	115218	9.05	ug/L	0.00
Spiked Amount 10.000			Recovery =	90.50%		
Target Compounds						Qvalue
10) acetone	3.904	43	4649	4.41	ug/L	82

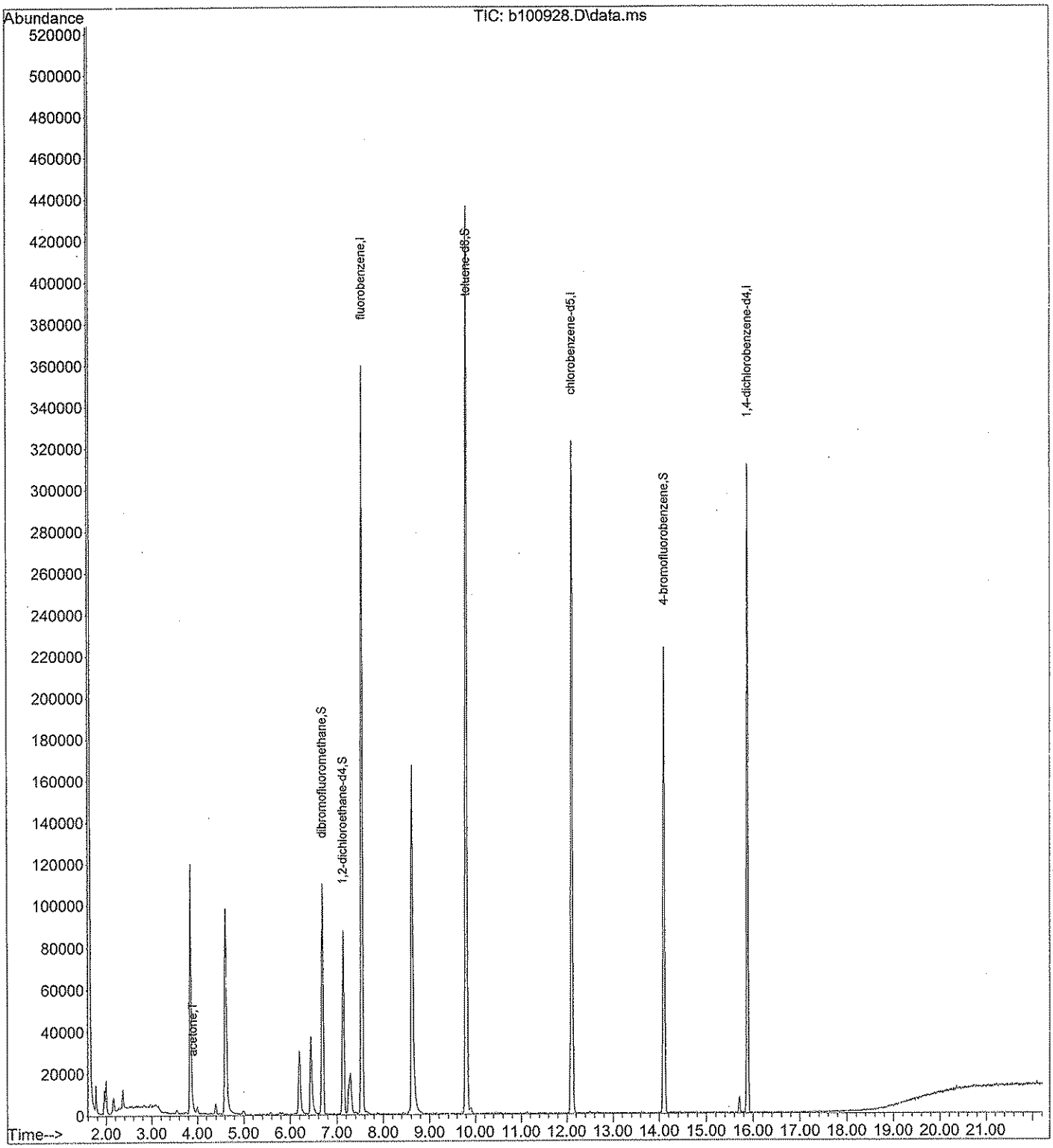
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100928.D
Acq On : 9 Oct 2007 9:32 pm
Operator : BR
Sample : ,SAMP,ME0710076-04A,1,
Misc : 8260+_W25
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 10 05:36:21 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100929.D
Acq On : 9 Oct 2007 10:04 pm
Operator : BR
Sample : ,SAMP,ME0710076-05A,1,
Misc : 8260+_W25
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 10 05:36:25 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	423421	10.00	ug/L	0.00
35) chlorobenzene-d5	12.108	117	286146	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.873	152	121960	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.684	113	84423	10.59	ug/L	0.00
Spiked Amount 10.000			Recovery =	105.90%		
26) 1,2-dichloroethane-d4	7.128	65	74909	10.79	ug/L	0.00
Spiked Amount 10.000			Recovery =	107.90%		
38) toluene-d8	9.803	98	407098	9.77	ug/L	0.00
Spiked Amount 10.000			Recovery =	97.70%		
56) 4-bromofluorobenzene	14.097	95	118482	9.33	ug/L	0.00
Spiked Amount 10.000			Recovery =	93.30%		
Target Compounds						Qvalue
42) tetrachloroethene	10.722	164	9147	0.93	ug/L	92
65) sec-butylbenzene	15.575	105	15866	0.30	ug/L	97
68) p-isopropyltoluene	15.727	119	8557	0.21	ug/L	94
72) 1,2-dibromo-3-chloropr...	17.429	75	2844	5.91	ug/L #	5

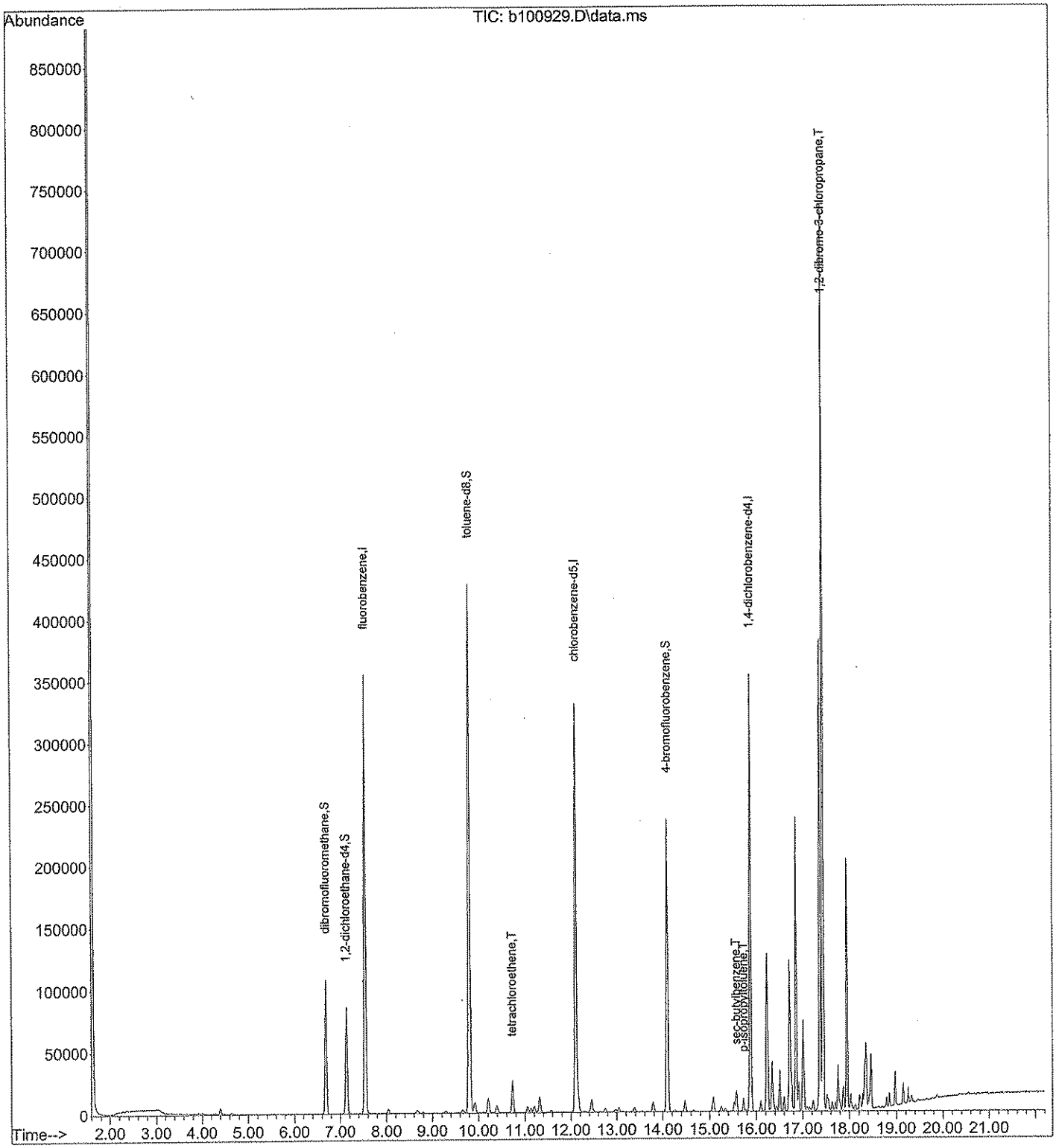
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100929.D
Acq On : 9 Oct 2007 10:04 pm
Operator : BR
Sample : ,SAMP,ME0710076-05A,1,
Misc : 8260+_W25
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 10 05:36:25 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100930.D
Acq On : 9 Oct 2007 10:36 pm
Operator : BR
Sample : ,SAMP,ME0710076-06A,1,
Misc : 8260+_W25
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 10 05:36:30 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.542	96	433754	10.00	ug/L	0.00
35) chlorobenzene-d5	12.103	117	286215	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.879	152	102119	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.684	113	84767	10.38	ug/L	0.00
Spiked Amount 10.000			Recovery =	103.80%		
26) 1,2-dichloroethane-d4	7.134	65	76029	10.69	ug/L	0.00
Spiked Amount 10.000			Recovery =	106.90%		
38) toluene-d8	9.804	98	410294	9.85	ug/L	0.00
Spiked Amount 10.000			Recovery =	98.50%		
56) 4-bromofluorobenzene	14.103	95	114821	9.04	ug/L	0.00
Spiked Amount 10.000			Recovery =	90.40%		
Target Compounds						Qvalue

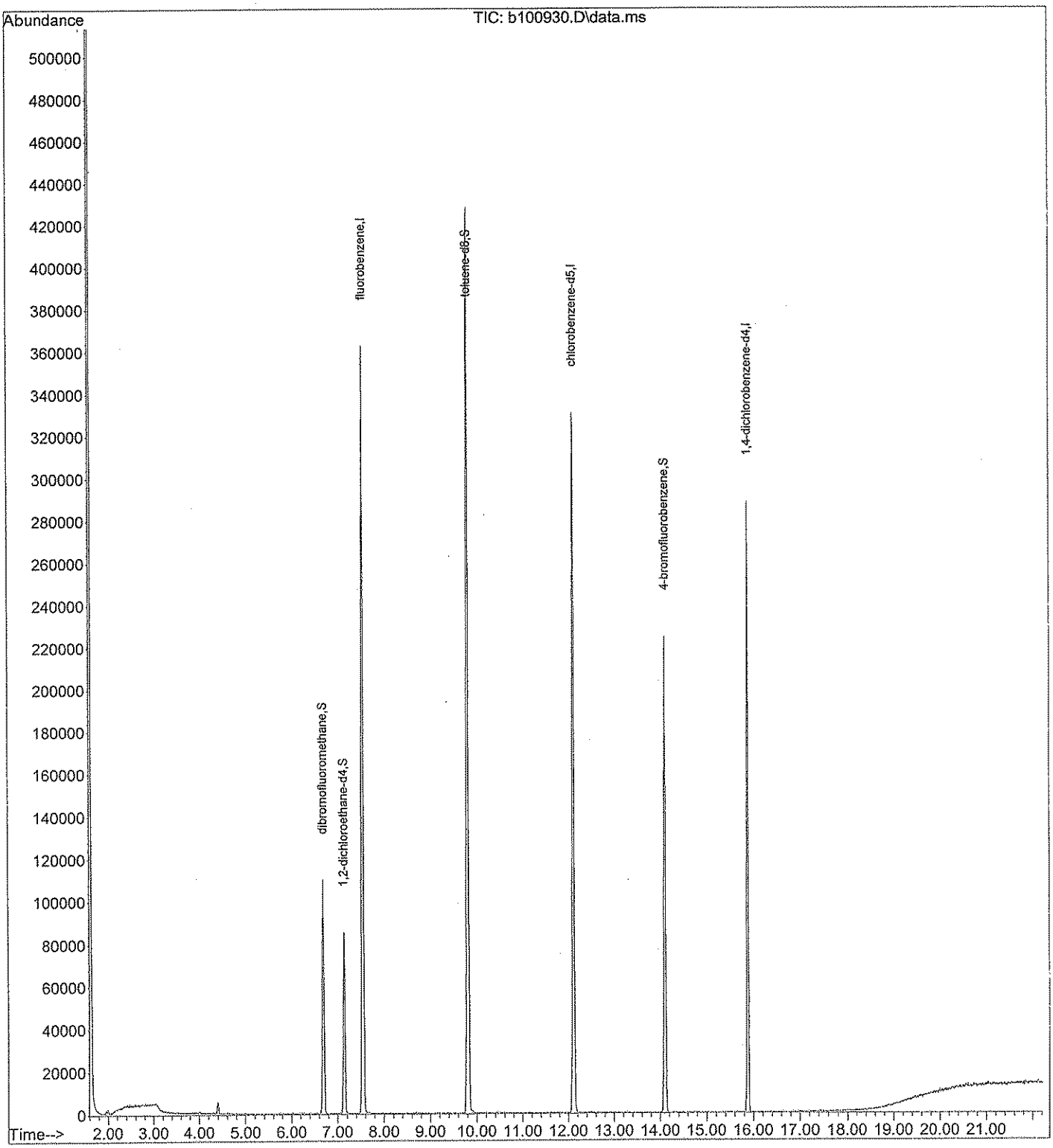
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100930.D
Acq On : 9 Oct 2007 10:36 pm
Operator : BR
Sample : ,SAMP,ME0710076-06A,1,
Misc : 8260+_W25
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 10 05:36:30 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100931.D
Acq On : 9 Oct 2007 11:08 pm
Operator : BR
Sample : ,SAMP,ME0710076-07A,1,
Misc : 8260+_W25
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 10 05:36:34 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.536	96	445494	10.00	ug/L	0.00
35) chlorobenzene-d5	12.103	117	287511	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.873	152	101878	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.685	113	85431	10.18	ug/L	0.00
Spiked Amount 10.000			Recovery =	101.80%		
26) 1,2-dichloroethane-d4	7.135	65	74909	10.25	ug/L	0.00
Spiked Amount 10.000			Recovery =	102.50%		
38) toluene-d8	9.798	98	410739	9.81	ug/L	0.00
Spiked Amount 10.000			Recovery =	98.10%		
56) 4-bromofluorobenzene	14.098	95	113692	8.91	ug/L	0.00
Spiked Amount 10.000			Recovery =	89.10%		
Target Compounds						Qvalue
6) chloroethane	2.762	64	13495	1.85	ug/L	98
27) benzene	7.153	78	10362445	204.61	ug/L	98
29) 1,2-dichloroethane	7.153	62	89065	9.05	ug/L	88

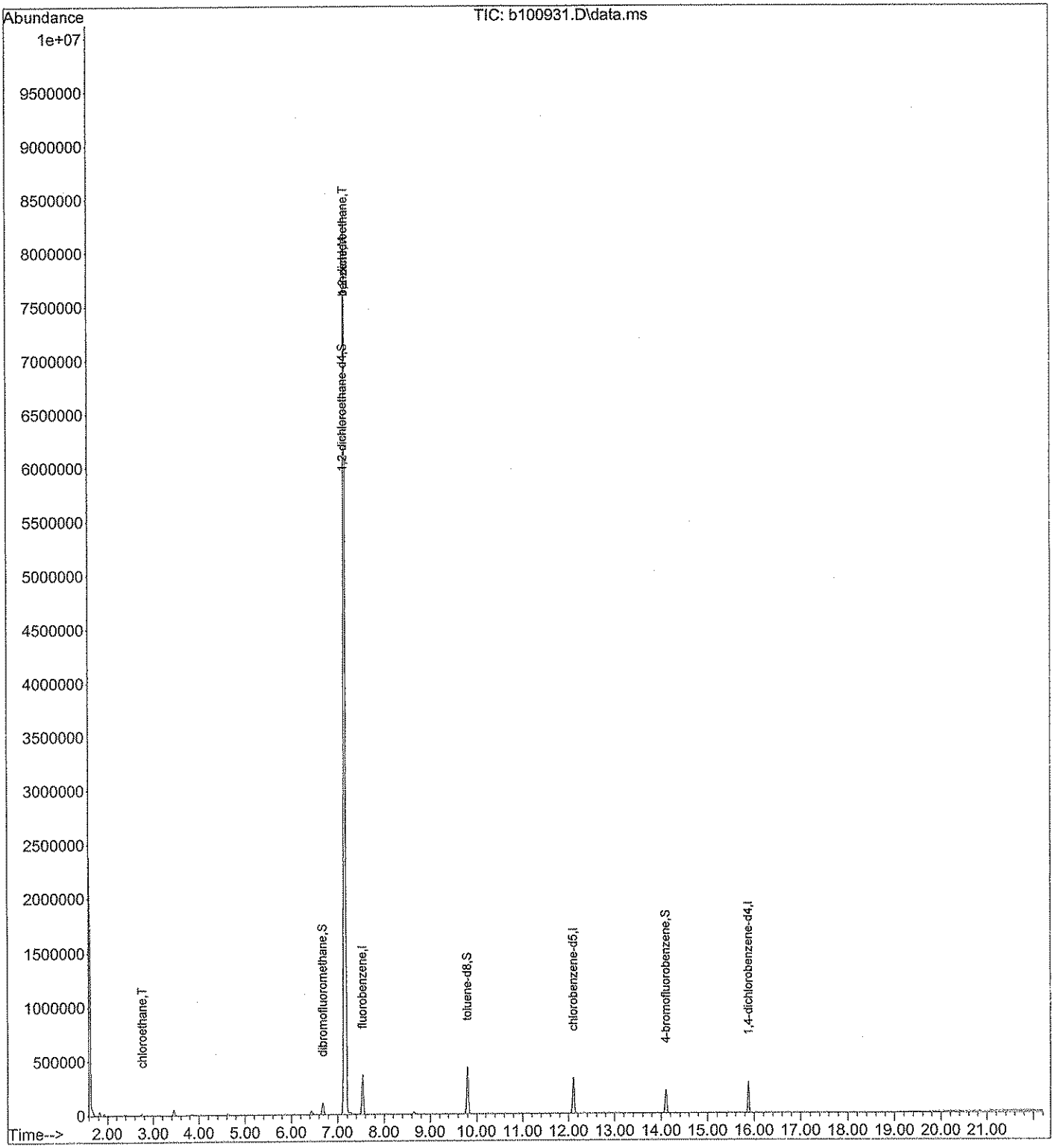
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100931.D
Acq On : 9 Oct 2007 11:08 pm
Operator : BR
Sample : ,SAMP,ME0710076-07A,1,
Misc : 8260+_W25
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 10 05:36:34 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101017.D
Acq On : 10 Oct 2007 2:15 pm
Operator : NLT
Sample : ,SAMP,ME0710076-07A,10,RA,
Misc : 8260+_W25
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 10 15:24:09 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.538	96	422434	10.00	ug/L	0.00
35) chlorobenzene-d5	12.105	117	277724	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.875	152	93795	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.686	113	83503	10.50	ug/L	0.00
Spiked Amount 10.000			Recovery =	105.00%		
26) 1,2-dichloroethane-d4	7.130	65	73507	10.61	ug/L	0.00
Spiked Amount 10.000			Recovery =	106.10%		
38) toluene-d8	9.800	98	394525	9.76	ug/L	0.00
Spiked Amount 10.000			Recovery =	97.60%		
56) 4-bromofluorobenzene	14.099	95	107109	8.69	ug/L	0.00
Spiked Amount 10.000			Recovery =	86.90%		
Target Compounds						Qvalue
10) acetone	3.901	43	2188	2.15	ug/L	80
27) benzene	7.155	78	1077160	22.43	ug/L	100
28) 1,2-dichloroethane	7.148	62	8311	0.89	ug/L	94

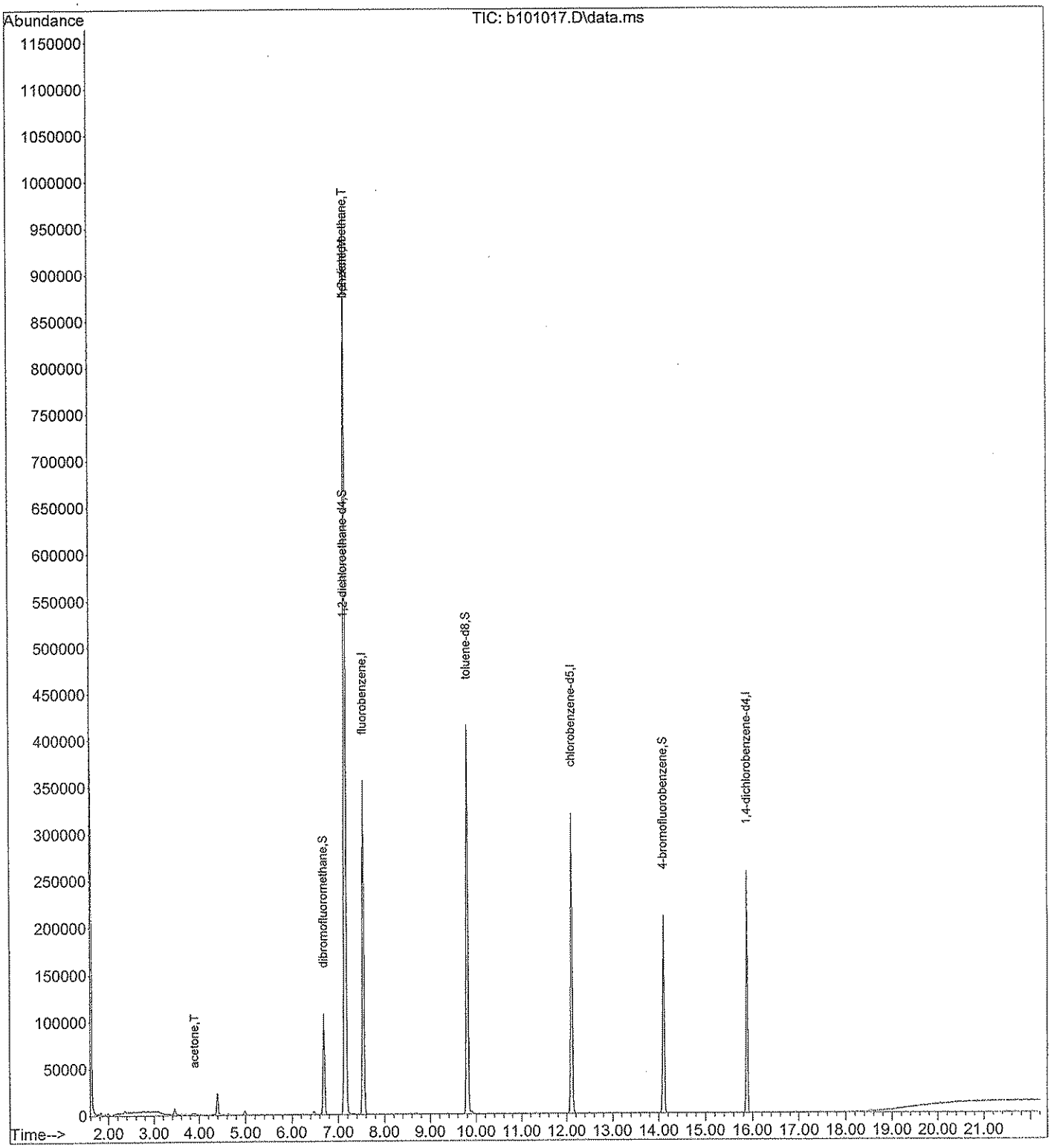
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101017.D
Acq On : 10 Oct 2007 2:15 pm
Operator : NLT
Sample : ,SAMP,ME0710076-07A,10,RA,
Misc : 8260+_W25
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 10 15:24:09 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100932.D
Acq On : 9 Oct 2007 11:40 pm
Operator : BR
Sample : ,SAMP,ME0710076-08A,1,
Misc : 8260+_W25
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 10 05:36:39 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.542	96	427200	10.00	ug/L	0.00
35) chlorobenzene-d5	12.103	117	283295	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.873	152	96871	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.684	113	84656	10.52	ug/L	0.00
Spiked Amount 10.000			Recovery =	105.20%		
26) 1,2-dichloroethane-d4	7.134	65	75213	10.74	ug/L	0.00
Spiked Amount 10.000			Recovery =	107.40%		
38) toluene-d8	9.804	98	402733	9.76	ug/L	0.00
Spiked Amount 10.000			Recovery =	97.60%		
56) 4-bromofluorobenzene	14.098	95	111625	8.88	ug/L	0.00
Spiked Amount 10.000			Recovery =	88.80%		
Target Compounds						Qvalue
10) acetone	3.911	43	3436	3.34	ug/L	99
22) chloroform	6.472	83	9178	0.50	ug/L	96

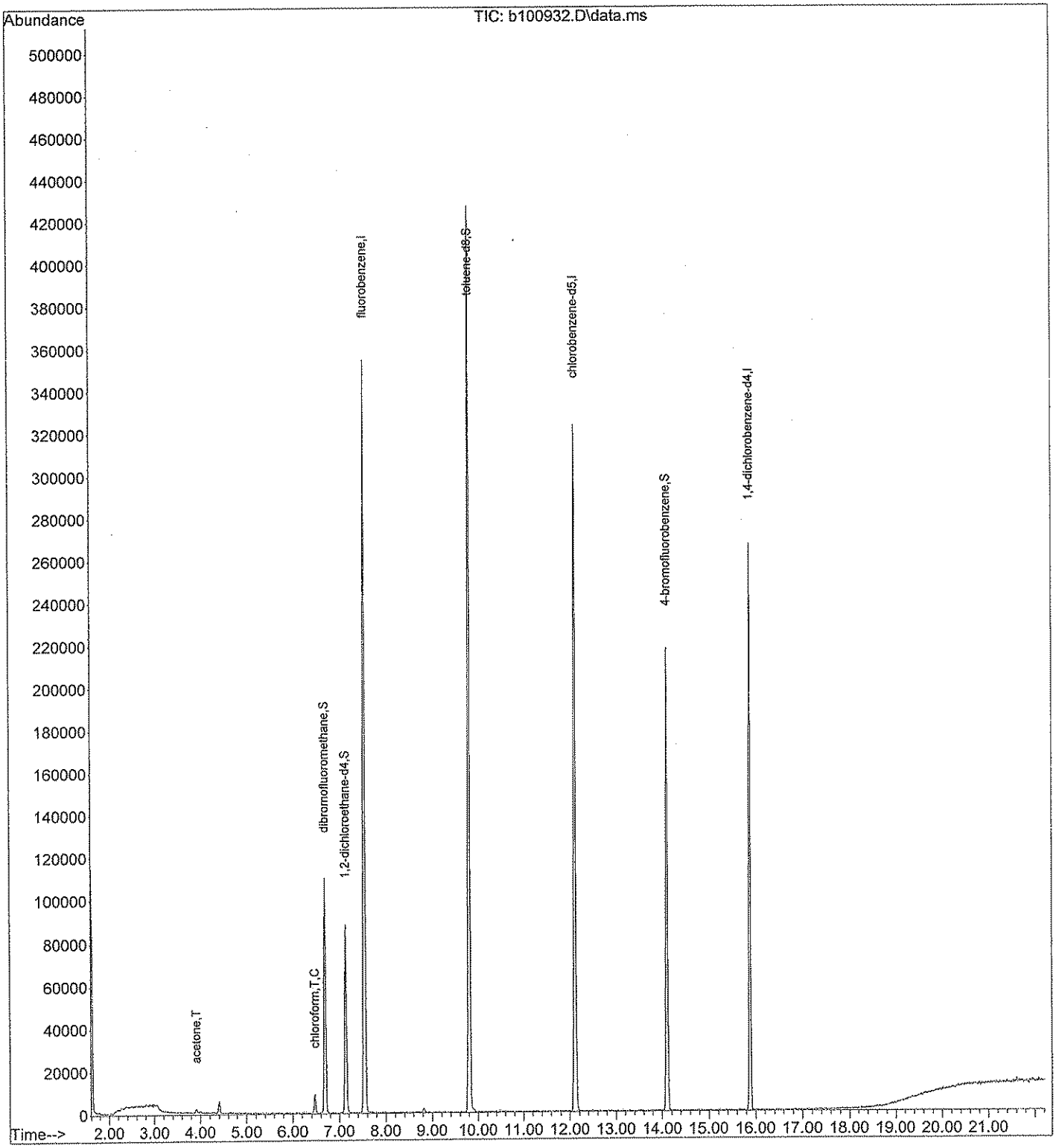
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100932.D
Acq On : 9 Oct 2007 11:40 pm
Operator : BR
Sample : ,SAMP,ME0710076-08A,1,
Misc : 8260+_W25
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 10 05:36:39 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100933.D
Acq On : 10 Oct 2007 12:12 am
Operator : BR
Sample : ,SAMP,ME0710076-09A,1,
Misc : 8260+_W25
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 10 05:36:54 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.536	96	423526	10.00	ug/L	0.00
35) chlorobenzene-d5	12.109	117	282753	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.880	152	94818	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.685	113	84993	10.66	ug/L	0.00
Spiked Amount 10.000			Recovery =	106.60%		
26) 1,2-dichloroethane-d4	7.135	65	75664	10.89	ug/L	0.00
Spiked Amount 10.000			Recovery =	108.90%		
38) toluene-d8	9.805	98	401599	9.76	ug/L	0.00
Spiked Amount 10.000			Recovery =	97.60%		
56) 4-bromofluorobenzene	14.098	95	111274	8.87	ug/L	0.00
Spiked Amount 10.000			Recovery =	88.70%		
Target Compounds						Qvalue

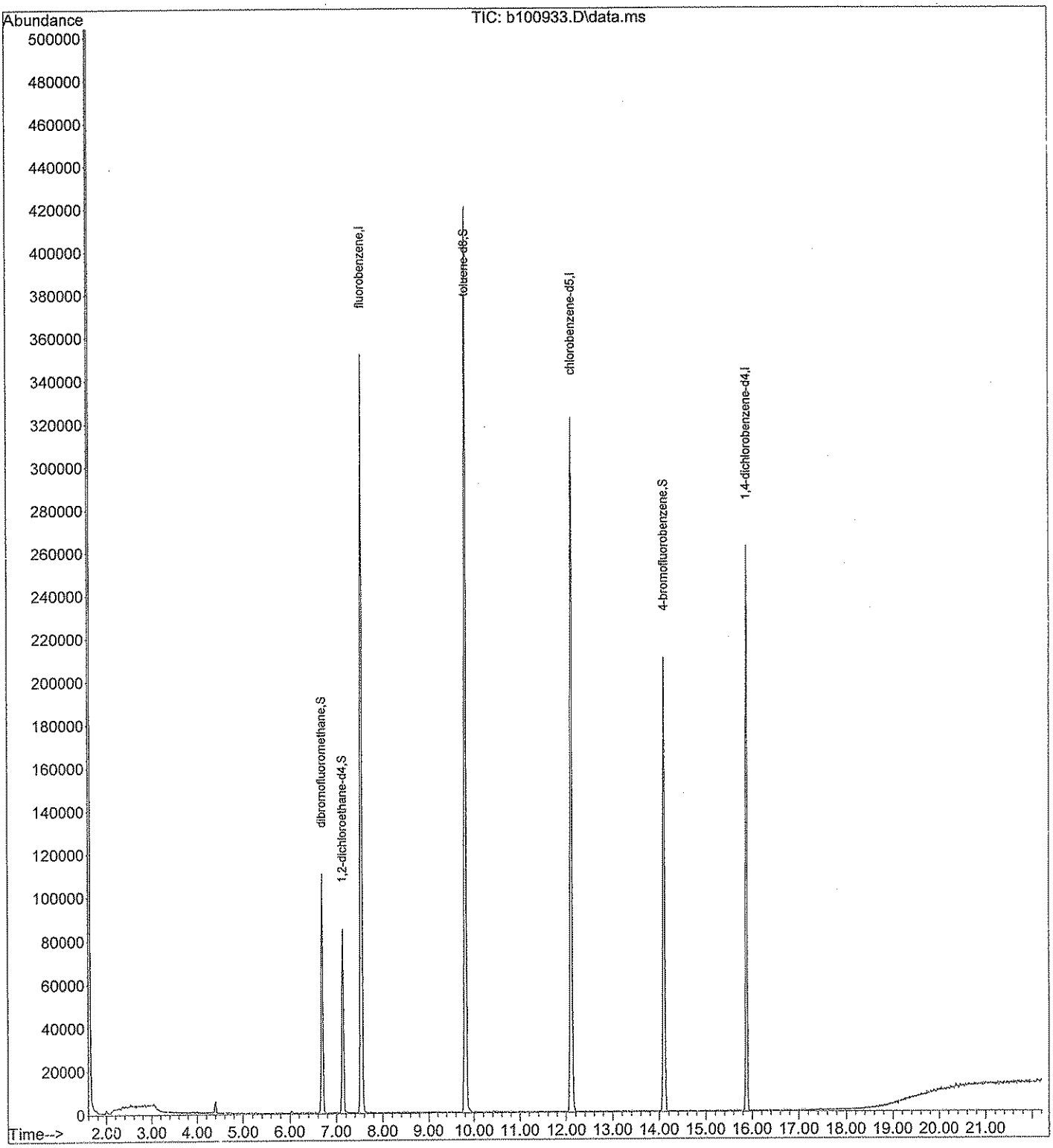
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JW 10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100907\
Data File : b100933.D
Acq On : 10 Oct 2007 12:12 am
Operator : BR
Sample : ,SAMP,ME0710076-09A,1,
Misc : 8260+_W25
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 10 05:36:54 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



INJECTION LOG(S)

Injection Log

Directory: g:\b100907

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	b100901.d	1.	,tune,bfb tune,1,	bfb	9 Oct 07 06:50
2	2	b100902.d	1.	,CCV,CCV 50 ppb,1,	8260_W25	9 Oct 07 07:09
3	2	b100902a.d	1.	,CCV,CCV 50 ppb,1,	8260_W25	9 Oct 07 06:46
4		b100903.d	1.			
5		b100903a.d	1.			
6	4	b100903b.d	1.	,MBLK,MBLK W-25 10/08/07,1,	624_W25	9 Oct 07 07:44
7	5	b100904.d	1.	,LCS,LCS W-10 PPB,1,	624_W25	9 Oct 07 08:16
8	6	b100905.d	1.	,SAMP,ME0709B03-02A,1,	8260+_W25	9 Oct 07 09:07
9	7	b100906.d	1.	,SAMP,ME0709B03-03A,1,	8260+_W25	9 Oct 07 09:39
10	8	b100907.d	1.	,SAMP,ME0709B03-04A,1,	8260+_W25	9 Oct 07 10:10
11	9	b100908.d	1.	,SAMP,ME0709B03-04A,5,RA,	8260+_W25	9 Oct 07 10:42
12	10	b100909.d	1.	,SAMP,ME0709B03-04A,10,RA,	8260_W25	9 Oct 07 11:14
13	11	b100910.d	1.	,SAMP,ME0709B03-05A,1,	8260+_W25	9 Oct 07 11:47
14	12	b100911.d	1.	,SAMP,ME0709B03-06A,1,	8260+_W25	9 Oct 07 12:19
15	13	b100912.d	1.	,SAMP,ME0709B03-07A,1,	8260+_W25	9 Oct 07 12:51
16	14	b100913.d	1.	,SAMP,ME0709B03-08A,1,	8260+_W25	9 Oct 07 13:23
17	15	b100914.d	1.	,SAMP,ME0709B03-05A,10,RA,	8260+_W25	9 Oct 07 13:55
18	16	b100915.d	1.	,SAMP,ME0709B03-07A,10,RA,	8260+_W25	9 Oct 07 14:31
19	17	b100916.d	1.	,SAMP,ME0709B04-01A,1,	8260+_W25	9 Oct 07 15:03
20	18	b100917.d	1.	,tune,bfb tune,1,	bfb	9 Oct 07 15:33
21	19	b100918.d	1.	,CCV,CCV 50 ppb,1,	8260_W25	9 Oct 07 15:53
22	20	b100919.d	1.	,SAMP,ME0709B03-01A,1,	8260+_W25	9 Oct 07 16:45
23	21	b100920.d	1.	,MS,ME0709B03-01AMS,1,	8260_W25	9 Oct 07 17:17
24	22	b100921.d	1.	,MSD,ME0709B03-01AMSD,1,	8260_W25	9 Oct 07 17:49
25	23	b100922.d	1.	,SAMP,ME0709B04-01A,1,	8260+_W25	9 Oct 07 18:21
26	24	b100923.d	1.	,SAMP,ME0710064-03A,10,	624+_W25	9 Oct 07 18:53
27	25	b100924.d	1.	,SAMP,ME0710064-04A,1,	624+_W25	9 Oct 07 19:25
28	26	b100925.d	1.	,SAMP,ME0710076-01A,1,	8260+_W25	9 Oct 07 19:56
29	26	b100926.d	1.	,SAMP,ME0710076-02A,1,	8260+_W25	9 Oct 07 20:28
30	27	b100927.d	1.	,SAMP,ME0710076-03A,1,	8260+_W25	9 Oct 07 21:00
31	28	b100928.d	1.	,SAMP,ME0710076-04A,1,	8260+_W25	9 Oct 07 21:32
32	29	b100929.d	1.	,SAMP,ME0710076-05A,1,	8260+_W25	9 Oct 07 22:04
33	30	b100930.d	1.	,SAMP,ME0710076-06A,1,	8260+_W25	9 Oct 07 22:36
34	31	b100931.d	1.	,SAMP,ME0710076-07A,1,	8260+_W25	9 Oct 07 23:08
35	32	b100932.d	1.	,SAMP,ME0710076-08A,1,	8260+_W25	9 Oct 07 23:40
36	33	b100933.d	1.	,SAMP,ME0710076-09A,1,	8260+_W25	10 Oct 07 00:1

Injection Log

Directory: g:\b101007

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
		b101001.d	1.			
	2	b101002.d	1.	,CCV,CCV 50 ppb,1,	8260_W25	10 Oct 07 05:5
	3	b101003.d	1.	,MBLK,MBLK W-25 10/10/07,1,	624_W25	10 Oct 07 06:3
	4	b101004.d	1.	,LCS,LCS W-10 PPB,1,	624_W25	10 Oct 07 07:0
	5	b101005.d	1.	,SAMP,ME0710178-05A,1,	8260+_W25	10 Oct 07 07:5
	6	b101006.d	1.	,SAMP,ME0710178-01A,1,	8260+_W25	10 Oct 07 08:2
	7	b101007.d	1.	,SAMP,ME0710178-02A,1,	8260+_W25	10 Oct 07 08:5
	8	b101008.d	1.	,SAMP,ME0710178-03A,1,	8260+_W25	10 Oct 07 09:2
	9	b101009.d	1.	,SAMP,ME0710178-04A,1,	8260+_W25	10 Oct 07 09:5
10	10	b101010.d	1.	,SAMP,ME0710178-06A,1,	8260+_W25	10 Oct 07 10:3
11	11	b101011.d	1.	,MS,ME0710178-05AMS,1,	8260+_W25	10 Oct 07 11:0
12	12	b101012.d	1.	,MSD,ME0710178-05AMSD,1,	8260+_W25	10 Oct 07 11:3
13	13	b101013.d	1.	,SAMP,ME0710133-01B,1,	624_W25	10 Oct 07 12:0
14	14	b101014.d	1.	,SAMP,ME0710064-03A,500,RA,	624+_W25	10 Oct 07 12:3
15	15	b101015.d	1.	,SAMP,ME0710064-04A,2,RA,	624+_W25	10 Oct 07 13:1
16	16	b101016.d	1.	,SAMP,ME0710076-02A,10,RA,	8260+_W25	10 Oct 07 13:4
17	17	b101017.d	1.	,SAMP,ME0710076-07A,10,RA,	8260+_W25	10 Oct 07 14:1
18	18	b101018.d	1.	,tune,bfb tune,1,	bfb	10 Oct 07 15:2
19	19	b101019.d	1.	,CCV,CCV 50 ppb,1,	8260+_W25	10 Oct 07 15:4
20	20	b101020.d	1.	,SAMP,ME0710172-01A,1,	8260+_W25	10 Oct 07 16:4
21	21	b101021.d	1.	,SAMP,ME0710172-02A,1,	8260+_W25	10 Oct 07 17:1
22	22	b101022.d	1.	,SAMP,ME0710172-03A,1,	8260+_W25	10 Oct 07 17:4
23	23	b101023.d	1.	,SAMP,ME0710172-05A,1,	8260+_W25	10 Oct 07 18:1
24	24	b101024.d	1.	,SAMP,ME0710172-06A,1,	8260+_W25	10 Oct 07 18:5
25	25	b101025.d	1.	,SAMP,ME0710172-07A,1,	8260+_W25	10 Oct 07 19:2
26	26	b101026.d	1.	,SAMP,ME0710172-08A,1,	8260+_W25	10 Oct 07 19:5
27	27	b101027.d	1.	,SAMP,ME0710172-09A,1,	8260+_W25	10 Oct 07 20:2
28	28	b101028.d	1.	,SAMP,ME0710172-10A,1,	8260+_W25	10 Oct 07 20:5
29	29	b101029.d	1.	,MS,ME0710076-05AMS,1,	8260+_W25	10 Oct 07 22:1
30	30	b101030.d	1.	,MSD,ME0710076-05AMSD,1,	8260+_W25	10 Oct 07 22:4
31	31	b101031.d	1.	,SAMP,ME0710172-06A,20,RA,	8260+_W25	10 Oct 07 23:1
32	32	b101032.d	1.	,SAMP,ME0710172-07A,20,RA,	8260+_W25	10 Oct 07 23:4
33	33	b101033.d	1.	RINSE	8260+_W25	11 Oct 07 00:2

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b100907\\
Data File : b100925.D
Acq On : 9 Oct 2007 7:56 pmm
Operator : BRR
Sample : ,SAMP,ME0710076-01A,1,,
Misc : 8260+_W255
ALS Vial : 26 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100925.D
Acq On : 9 Oct 2007 7:56 pm
Operator : BR
Sample : ,SAMP,ME0710076-01A,1,
Misc : 8260+_W25
ALS Vial : 26 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b100925.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.397	453	462	472	rVB	27433	60953	5.60%	1.362%
2	6.690	827	839	853	rBV	109322	274908	25.24%	6.141%
3	7.134	902	912	927	rVB2	86011	214107	19.66%	4.783%
4	7.541	967	979	996	rBV	357693	899039	82.54%	20.082%
5	9.804	1337	1351	1365	rBV	435821	1089203	100.00%	24.330%
6	12.102	1716	1729	1747	rBV	327426	842517	77.35%	18.820%
7	14.103	2045	2058	2074	rBV	212771	530007	48.66%	11.839%
8	15.879	2335	2350	2361	rVB	274043	566081	51.97%	12.645%

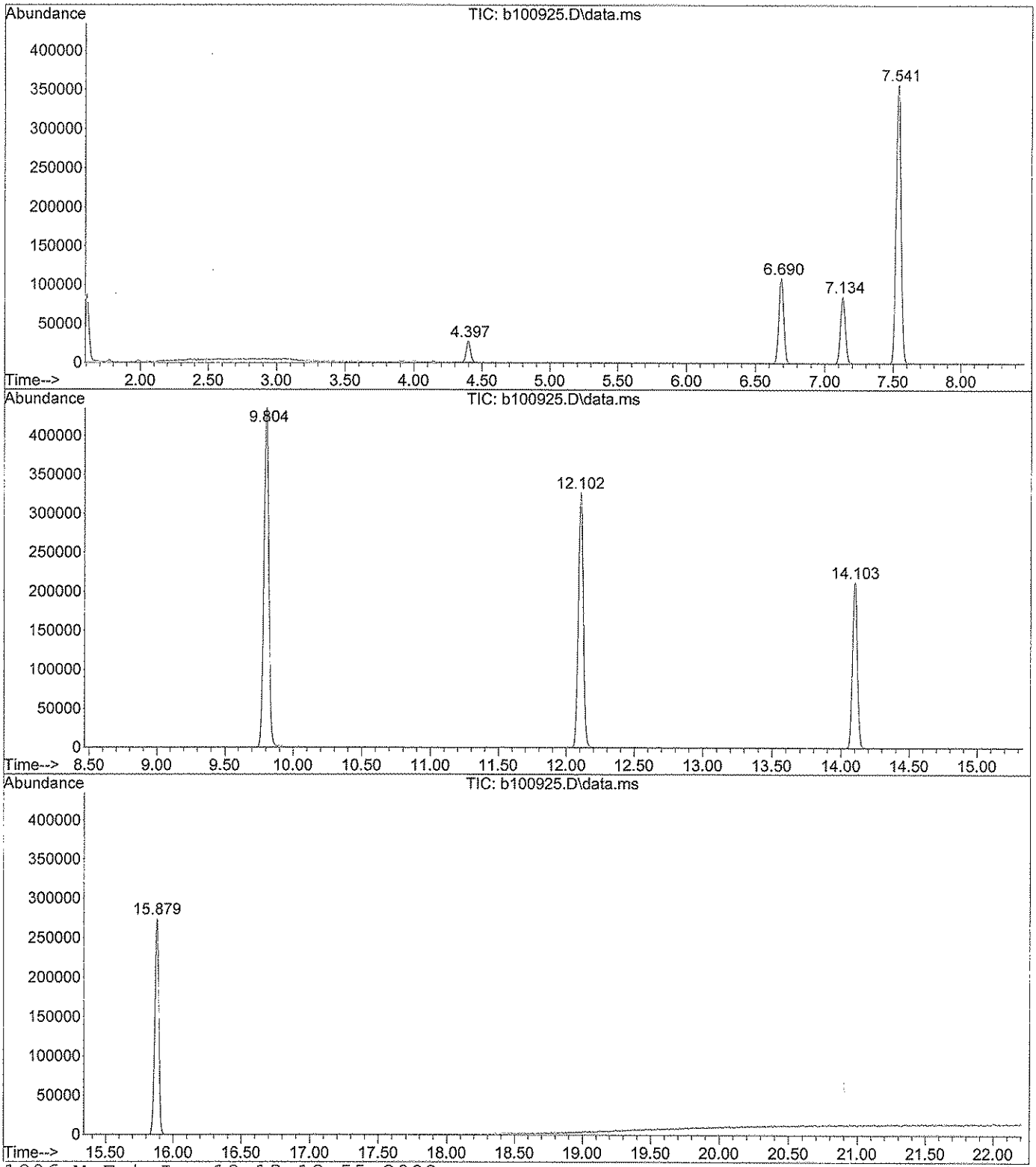
Sum of corrected areas: 4476815

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b100907\
Data File : b100925.D
Acq On : 9 Oct 2007 7:56 pm
Operator : BR
Sample : ,SAMP,ME0710076-01A,1,
Misc : 8260+_W25
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b100907\\
Data File : b100926.D
Acq On : 9 Oct 2007 8:28 pmm
Operator : BRR
Sample : ,SAMP,ME0710076-02A,1,,
Misc : 8260+_W255
ALS Vial : 26 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100926.D
Acq On : 9 Oct 2007 8:28 pm
Operator : BR
Sample : ,SAMP,ME0710076-02A,1,
Misc : 8260+_W25
ALS Vial : 26 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b100926.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.151	898	915	958	rBV	8067912	21911126	100.00%	88.412%
2	7.541	968	979	992	rVB	372765	927222	4.23%	3.741%
3	9.803	1336	1351	1366	rBV	433638	1096847	5.01%	4.426%
4	12.108	1718	1730	1745	rBV	334327	847702	3.87%	3.421%

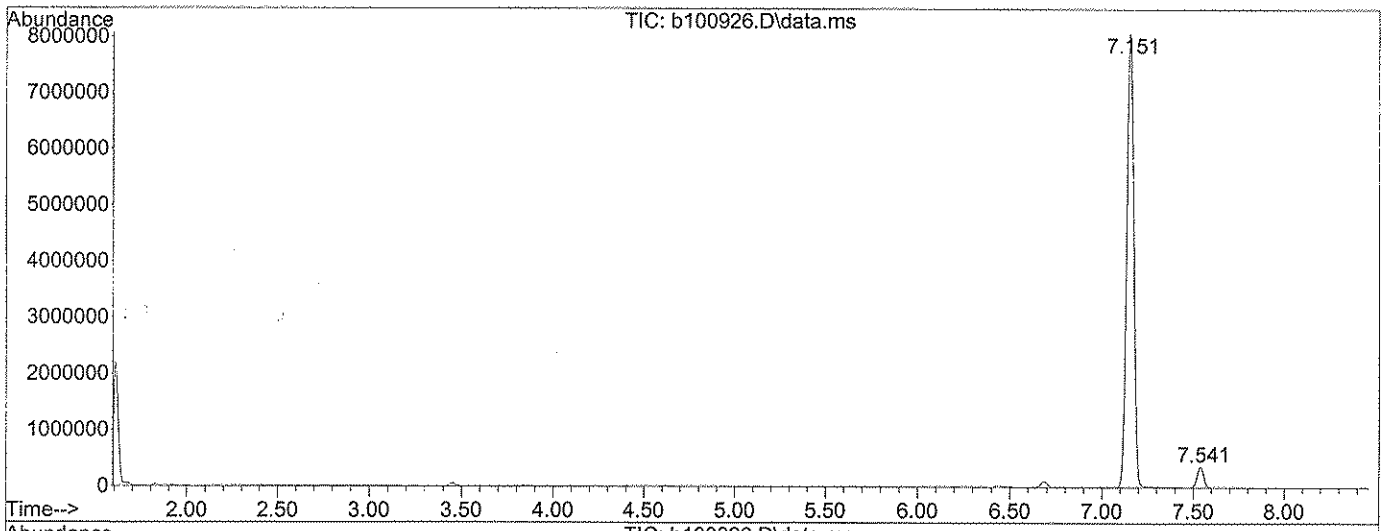
Sum of corrected areas: 24782897

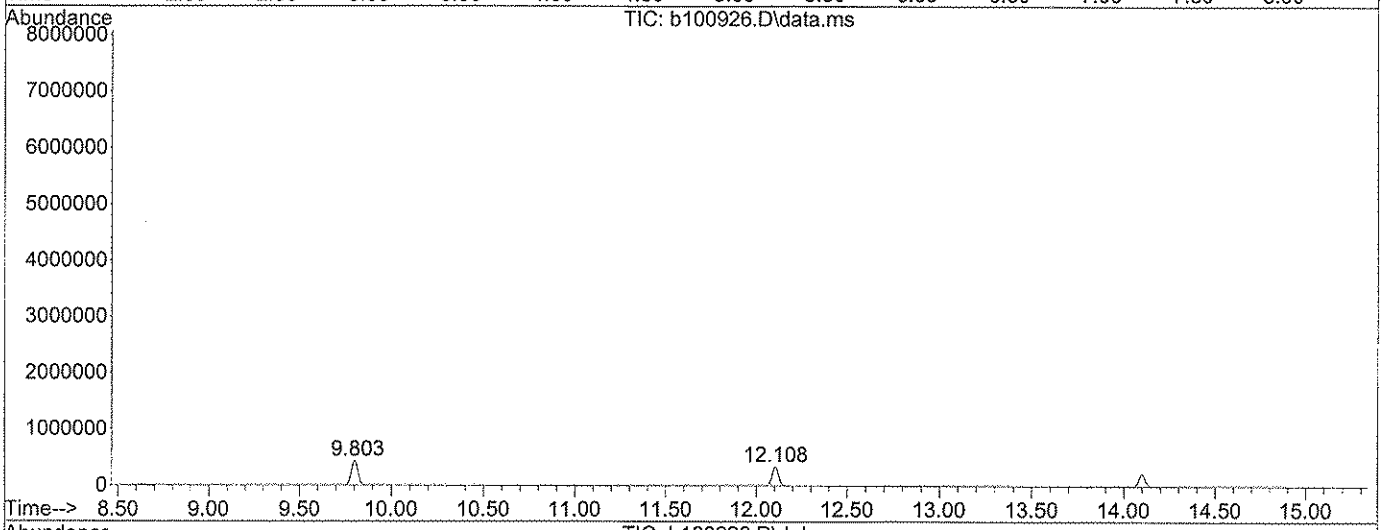
LSC Report - Integrated Chromatogram

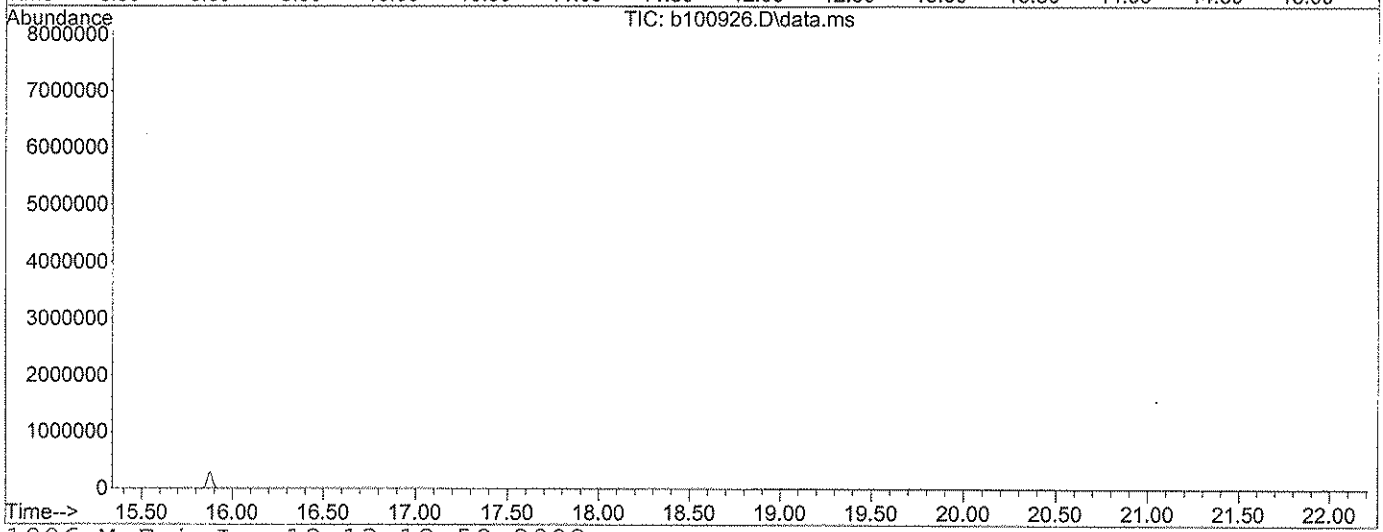
Data Path : D:\msdchem\1\data\b100907\
Data File : b100926.D
Acq On : 9 Oct 2007 8:28 pm
Operator : BR
Sample : ,SAMP,ME0710076-02A,1,
Misc : 8260+_W25
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P







Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b100907\
Data File : b100927.D
Acq On : 9 Oct 2007 9:00 pm
Operator : BR
Sample : ,SAMP,ME0710076-03A,1,
Misc : 8260+_W25
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Methane, dimeth...	3.844	4.0	ug/L	366240	1	7.541	906705	10.0
2-Propanol, 2-m...	4.604	4.9	ug/L	448322	1	7.541	906705	10.0
1,3-Dioxolane	6.185	1.9	ug/L	171046	1	7.541	906705	10.0
Ethanamine, N-m...	7.286	1.7	ug/L	152780	1	7.541	906705	10.0
1,4-Dioxane	8.611	12.4	ug/L	1120620	1	7.541	906705	10.0

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100927.D
Acq On : 9 Oct 2007 9:00 pm
Operator : BR
Sample : ,SAMP,ME0710076-03A,1,
Misc : 8260+_W25
ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b100927.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.844	363	371	391	rBV	151140	366240	32.68%	5.408%
2	4.604	485	496	527	rBV	150156	448322	40.01%	6.620%
3	6.185	748	756	780	rBV	63172	171046	15.26%	2.526%
4	6.684	827	838	853	rBV	108368	274591	24.50%	4.054%
5	7.134	901	912	924	rBV2	91375	238642	21.30%	3.524%
6	7.286	924	937	951	rVV3	39137	152780	13.63%	2.256%
7	7.541	968	979	993	rBV	364082	906705	80.91%	13.388%
8	8.611	1139	1155	1202	rBV	363979	1120621	100.00%	16.547%
9	9.803	1340	1351	1363	rBV	442038	1093601	97.59%	16.148%
10	12.102	1717	1729	1747	rVB	328169	842080	75.14%	12.434%
11	14.103	2043	2058	2069	rVB	225303	536510	47.88%	7.922%
12	15.879	2341	2350	2362	rVB	300492	621369	55.45%	9.175%

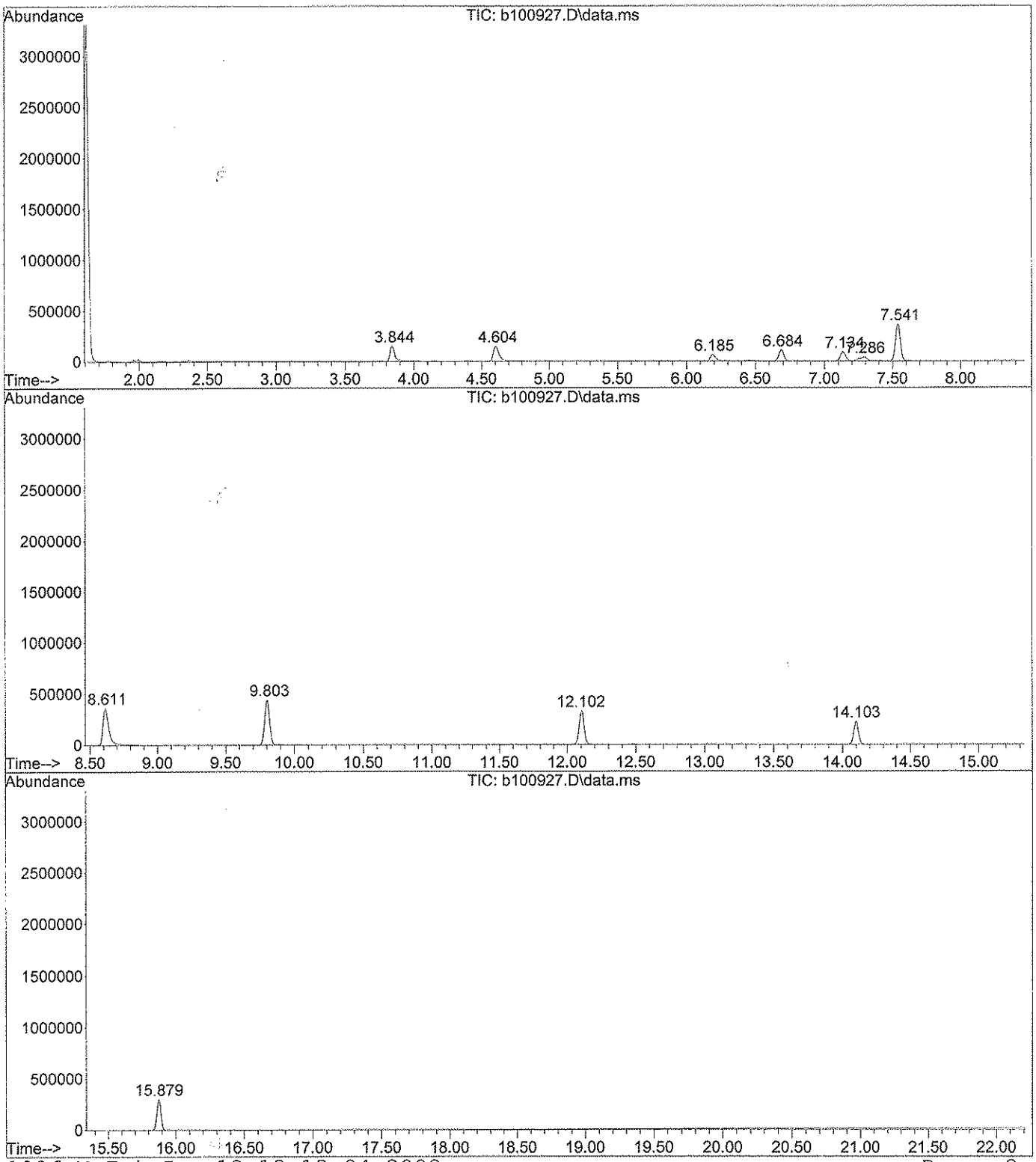
Sum of corrected areas: 6772507

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b100907\
Data File : b100927.D
Acq On : 9 Oct 2007 9:00 pm
Operator : BR
Sample : ,SAMP,ME0710076-03A,1,
Misc : 8260+_W25
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100927.D
Acq On : 9 Oct 2007 9:00 pm
Operator : BR
Sample : ,SAMP,ME0710076-03A,1,
Misc : 8260+_W25
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

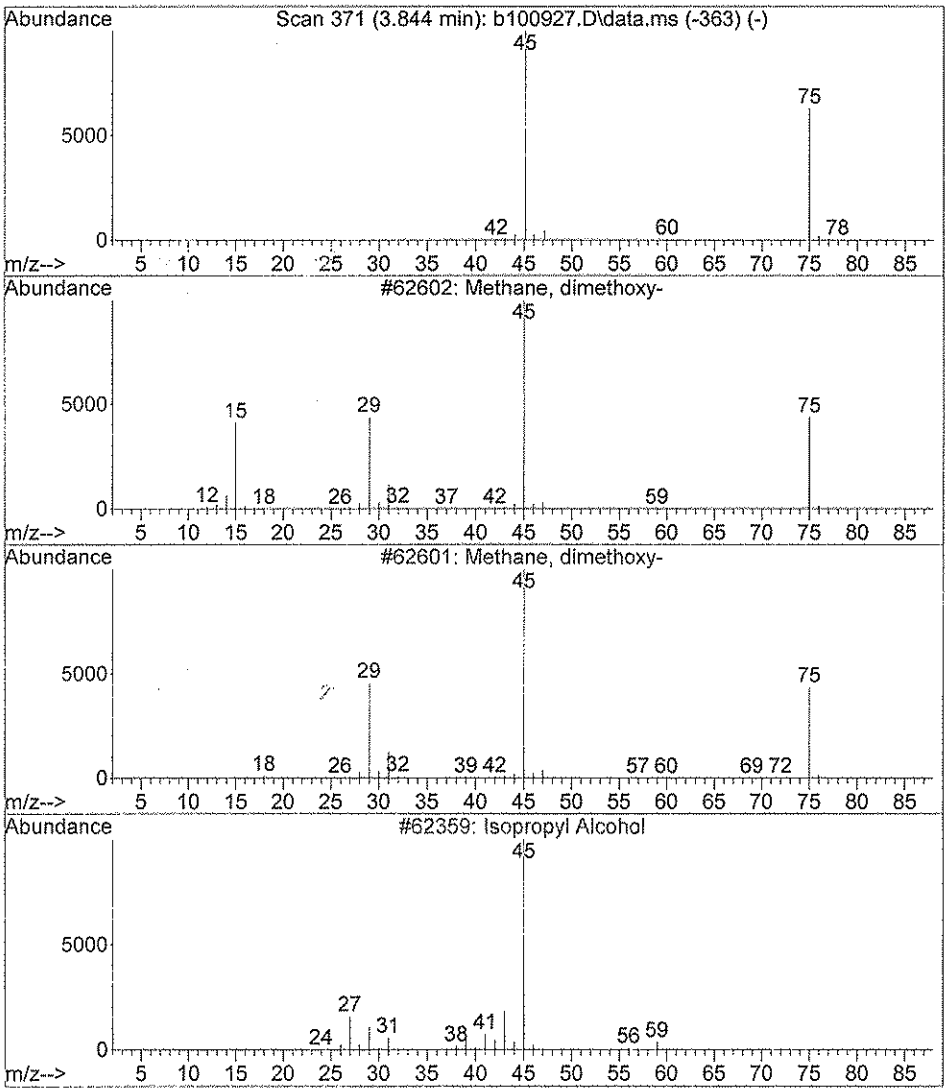
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

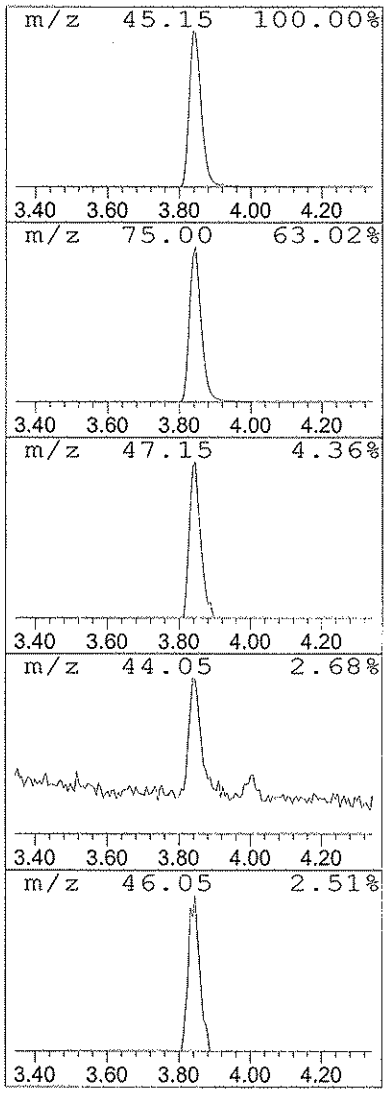
****

Peak Number 1 Methane, dimethoxy- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.844	4.04 ug/L	366240	fluorobenzene	7.541

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, dimethoxy-	76	C3H8O2	000109-87-5	83
2	Methane, dimethoxy-	76	C3H8O2	000109-87-5	64
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	7
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	7
5	Ethanol, 2-methoxy-	76	C3H8O2	000109-86-4	5





Library Search Compound Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100927.D
Acq On : 9 Oct 2007 9:00 pm
Operator : BR
Sample : ,SAMP,ME0710076-03A,1,
Misc : 8260+ W25
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

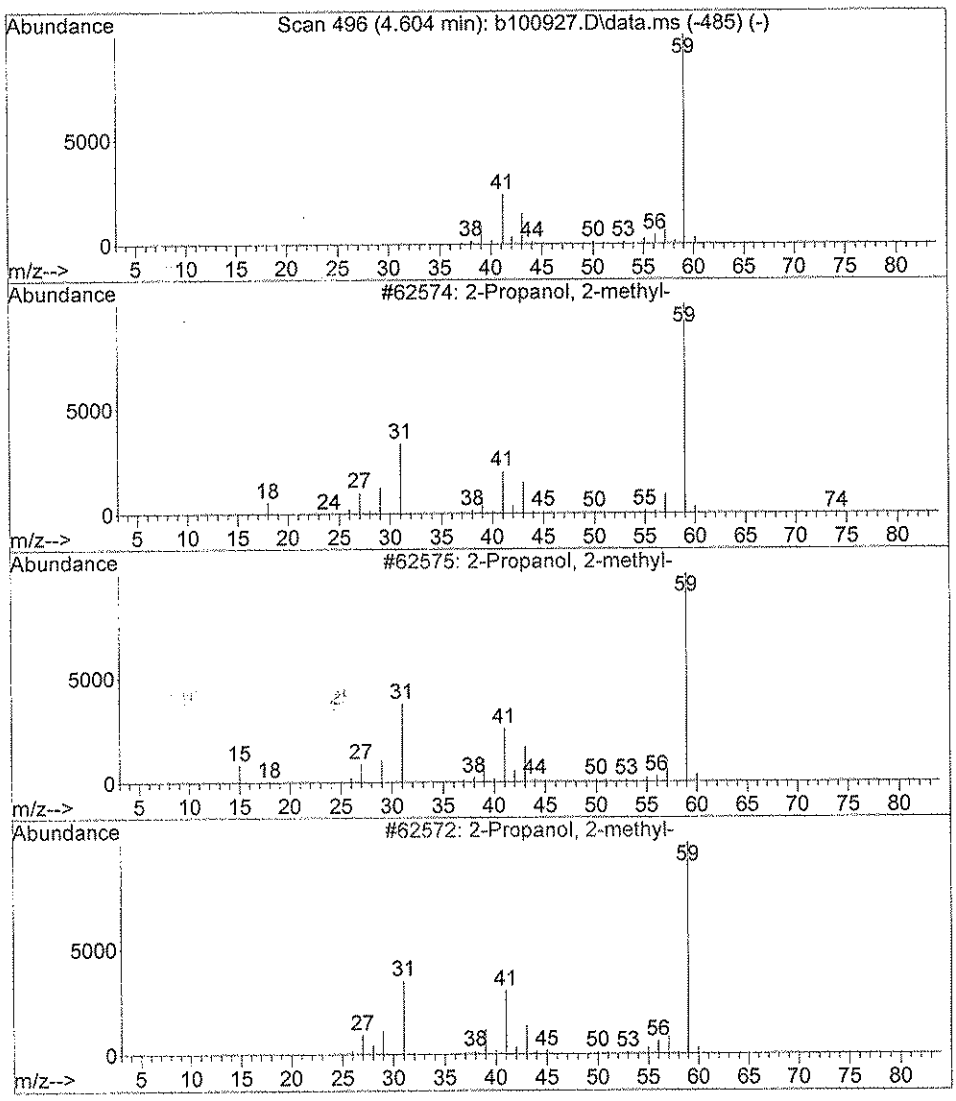
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

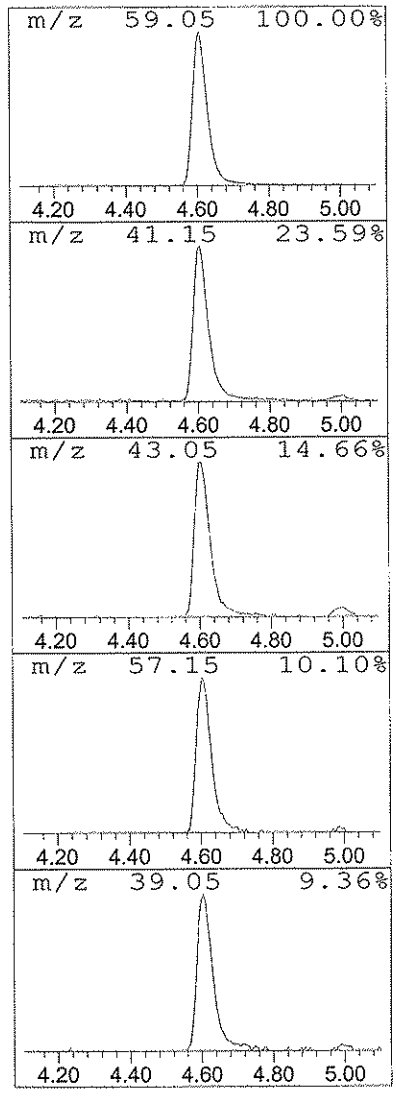
****

Peak Number 2 2-Propanol, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.604	4.94 ug/L	448322	fluorobenzene	7.541

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	78
2	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	78
3	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	72
4	3-Pentanol	88	C5H12O	000584-02-1	72
5	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	64





Library Search Compound Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100927.D
Acq On : 9 Oct 2007 9:00 pm
Operator : BR
Sample : ,SAMP,ME0710076-03A,1,
Misc : 8260+_W25
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

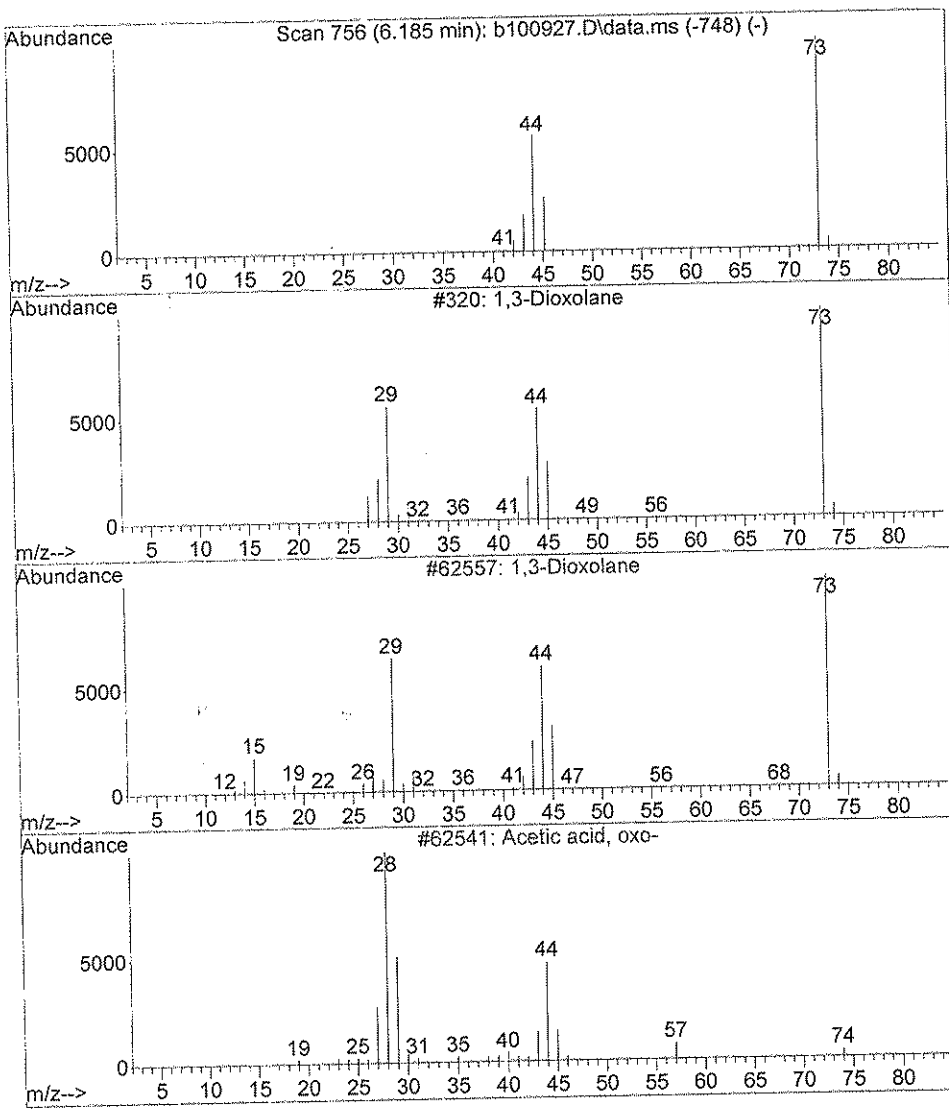
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

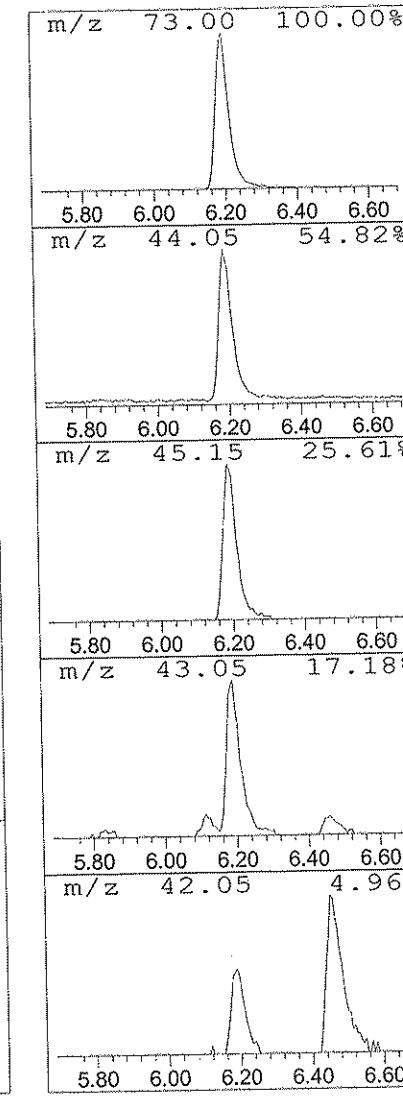
****

Peak Number 3 1,3-Dioxolane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.185	1.89 ug/L	171046	fluorobenzene	7.541

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane	74	C3H6O2	000646-06-0	90
2	1,3-Dioxolane	74	C3H6O2	000646-06-0	90
3	Acetic acid, oxo-	74	C2H2O3	000298-12-4	9
4	1,3-Dioxolane	74	C3H6O2	000646-06-0	9
5	1,3-Dioxolane	74	C3H6O2	000646-06-0	9





Data Path : D:\msdchem\1\data\b100907\
Data File : b100927.D
Acq On : 9 Oct 2007 9:00 pm
Operator : BR
Sample : ,SAMP,ME0710076-03A,1,
Misc : 8260+ W25
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

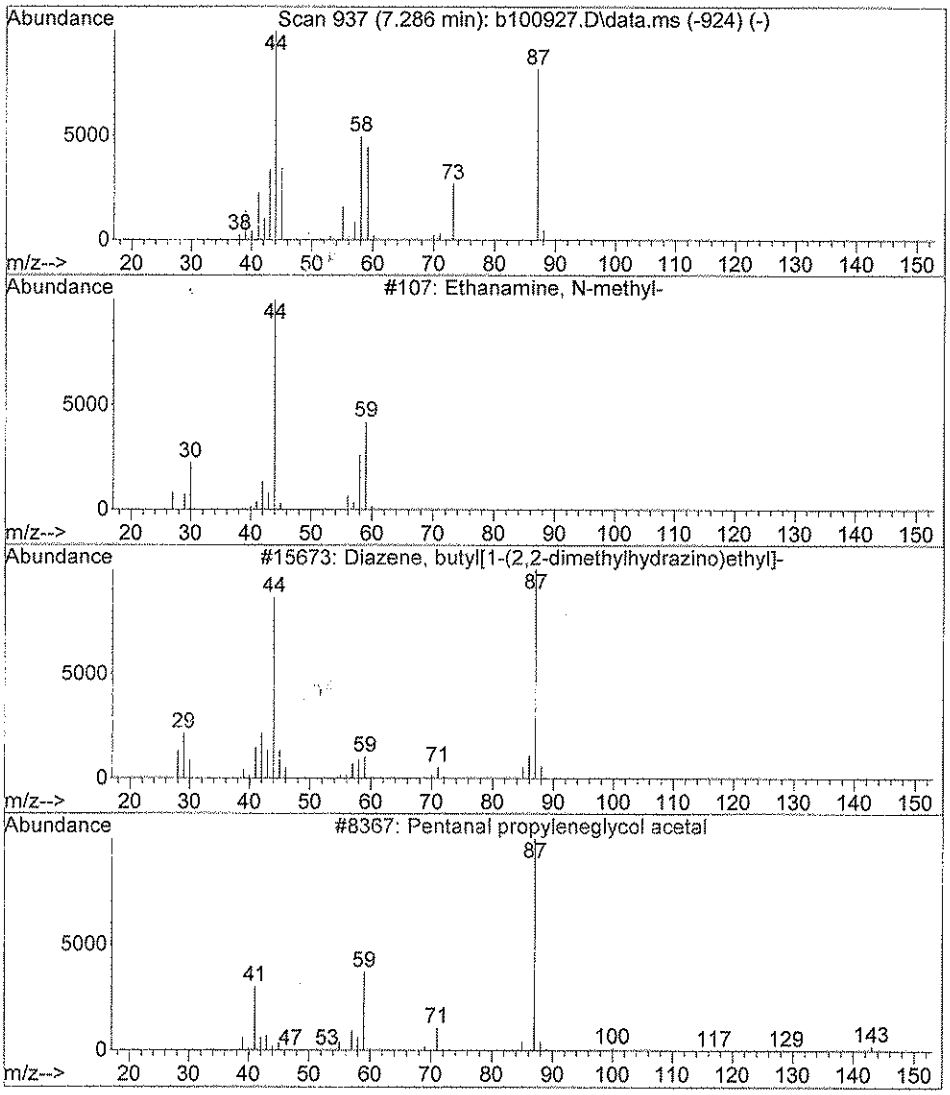
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

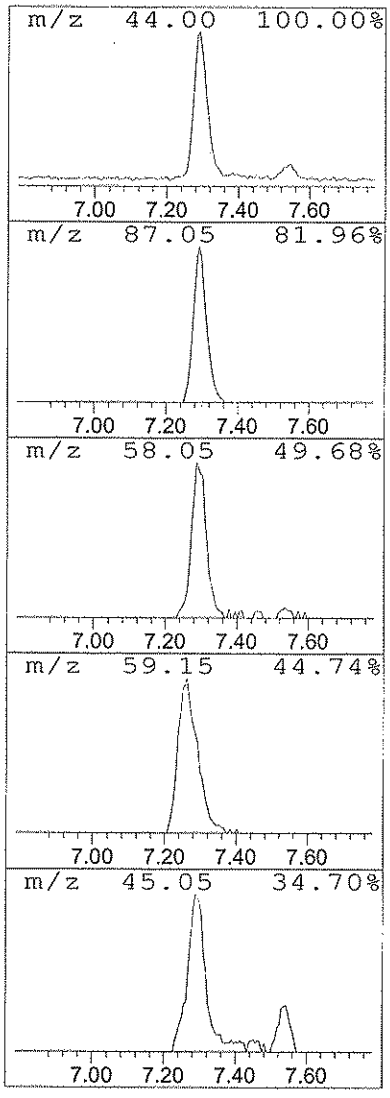
****

Peak Number 4 Ethanamine, N-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.286	1.69 ug/L	152780	fluorobenzene	7.541

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanamine, N-methyl-	59	C3H9N	000624-78-2	38
2	Diazene, butyl[1-(2,2-dimethylhy...	172	C8H20N4	061940-95-2	28
3	Pentanal propyleneglycol acetal	144	C8H16O2	000000-00-0	23
4	2-Propanone, O-methyloxime	87	C4H9NO	003376-35-0	12
5	1,3-Dioxolane, 4-methyl-	88	C4H8O2	001072-47-5	9





Data Path : D:\msdchem\1\data\b100907\
Data File : b100927.D
Acq On : 9 Oct 2007 9:00 pm
Operator : BR
Sample : ,SAMP,ME0710076-03A,1,
Misc : 8260+ W25
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

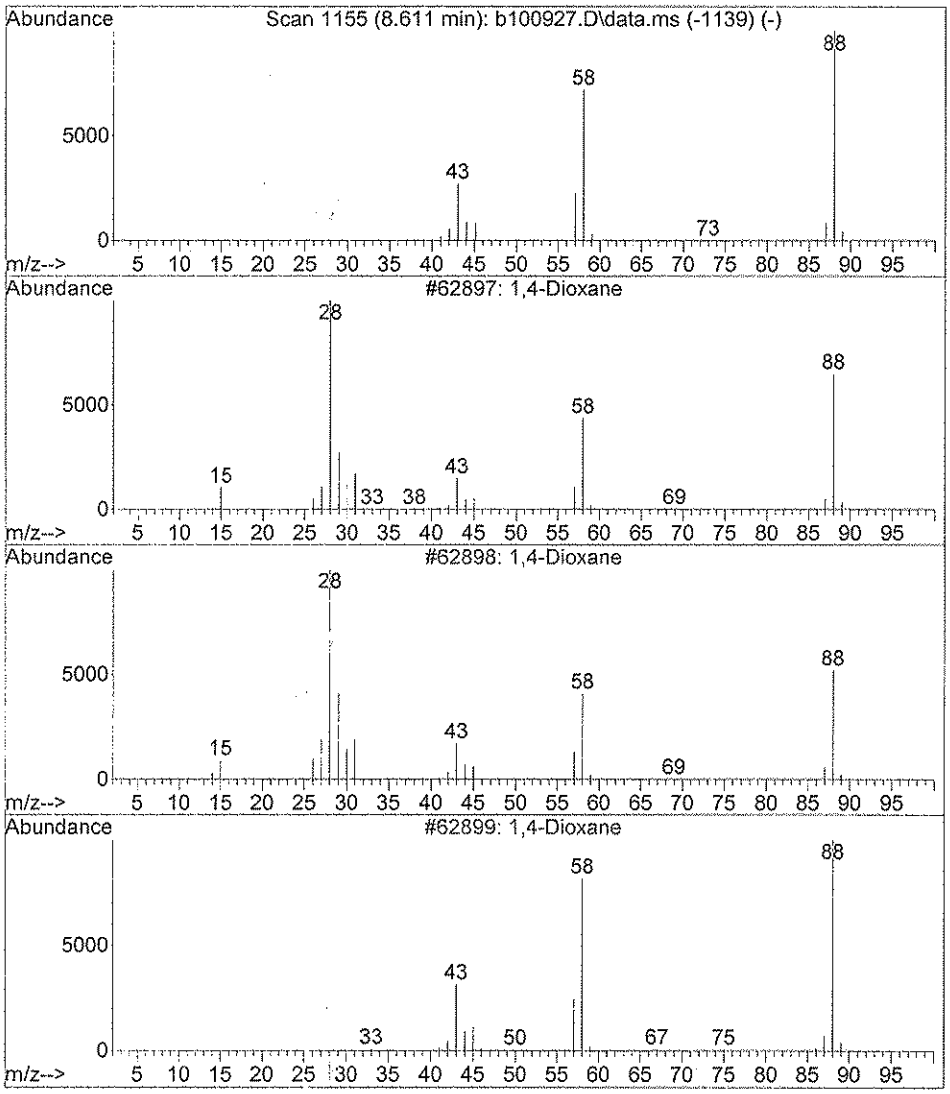
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

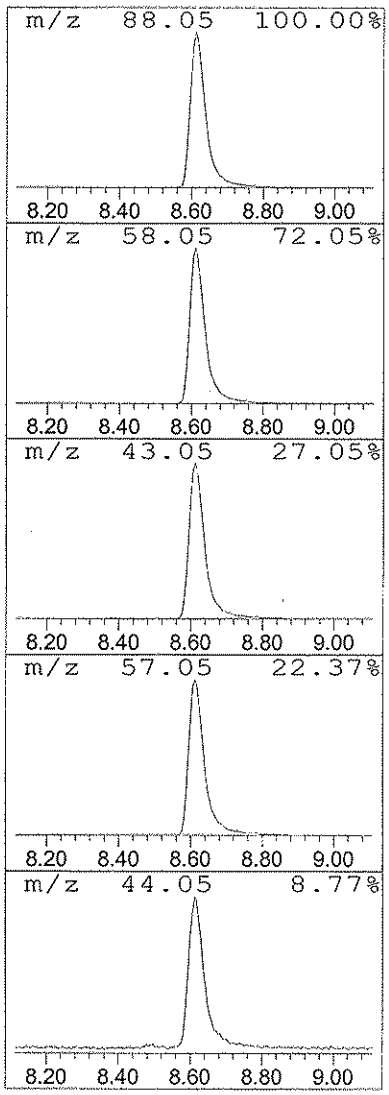
****

Peak Number 5 1,4-Dioxane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.611	12.36 ug/L	1120620	fluorobenzene	7.541

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dioxane	88	C4H8O2	000123-91-1	90
2	1,4-Dioxane	88	C4H8O2	000123-91-1	83
3	1,4-Dioxane	88	C4H8O2	000123-91-1	83
4	1,4-Dioxane	88	C4H8O2	000123-91-1	78
5	1-Propanamine, N-ethyl-	87	C5H13N	020193-20-8	12





Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b100907\
Data File : b100928.D
Acq On : 9 Oct 2007 9:32 pm
Operator : BR
Sample : ,SAMP,ME0710076-04A,1,
Misc : 8260+_W25
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Methane, dimeth...	3.843	3.1	ug/L	278446	1	7.541	904743	10.0
2-Propanol, 2-m...	4.603	3.3	ug/L	300285	1	7.541	904743	10.0
Furan, tetrahydro-	6.434	1.2	ug/L	111367	1	7.541	904743	10.0
1,4-Dioxane	8.617	5.7	ug/L	513986	1	7.541	904743	10.0

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100928.D
Acq On : 9 Oct 2007 9:32 pm
Operator : BR
Sample : ,SAMP,ME0710076-04A,1,
Misc : 8260+_W25
ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 3 % of largest Peak
Max Peaks: 100
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b100928.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.843	363	371	392	rBV	119066	278446	25.66%	4.887%
2	4.603	487	496	531	rBV	97982	300285	27.67%	5.270%
3	6.434	790	797	821	rBV	37241	111367	10.26%	1.955%
4	6.683	827	838	852	rBV	109971	277938	25.61%	4.878%
5	7.133	898	912	924	rBV2	87486	225823	20.81%	3.963%
6	7.541	968	979	992	rBV	359310	904743	83.38%	15.879%
7	8.617	1140	1156	1188	rBV	166867	513986	47.37%	9.021%
8	9.803	1339	1351	1363	rBV	436056	1085113	100.00%	19.044%
9	12.102	1714	1729	1749	rBV	322937	837713	77.20%	14.702%
10	14.096	2045	2057	2071	rVB	223361	536017	49.40%	9.407%
11	15.872	2341	2349	2360	rBV	311420	626370	57.72%	10.993%

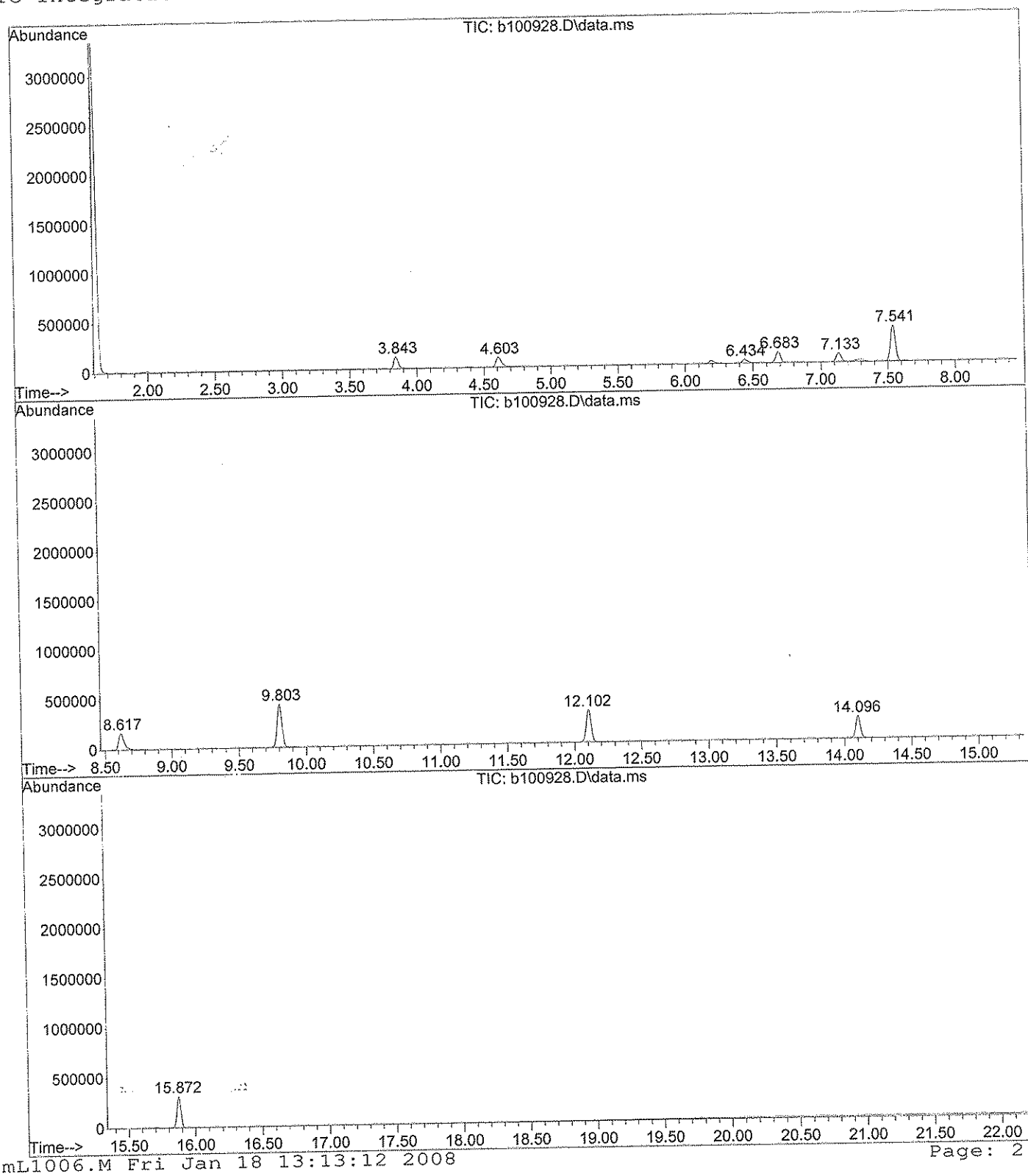
Sum of corrected areas: 5697801

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b100907\
Data File : b100928.D
Acq On : 9 Oct 2007 9:32 pm
Operator : BR
Sample : ,SAMP,ME0710076-04A,1,
Misc : 8260+_W25
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100928.D
Acq On : 9 Oct 2007 9:32 pm
Operator : BR
Sample : ,SAMP,ME0710076-04A,1,
Misc : 8260+_W25
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

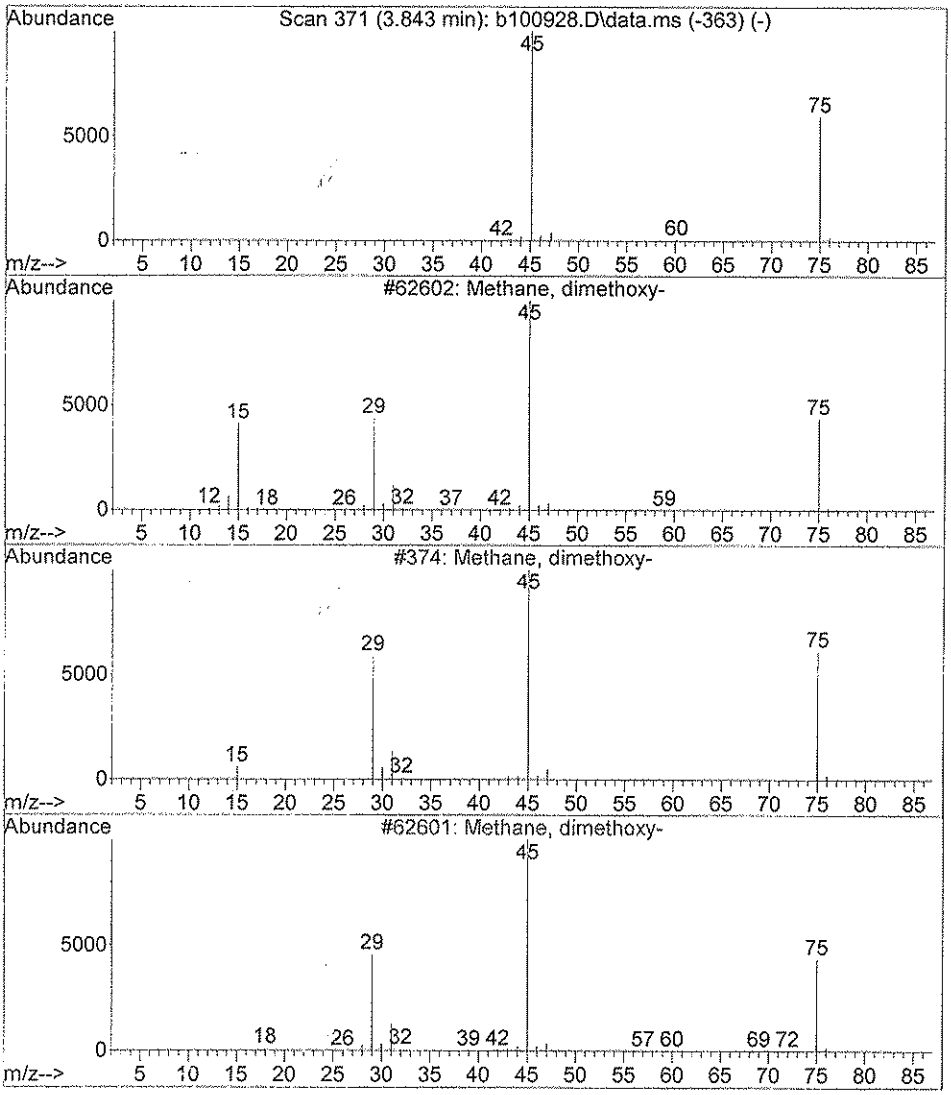
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

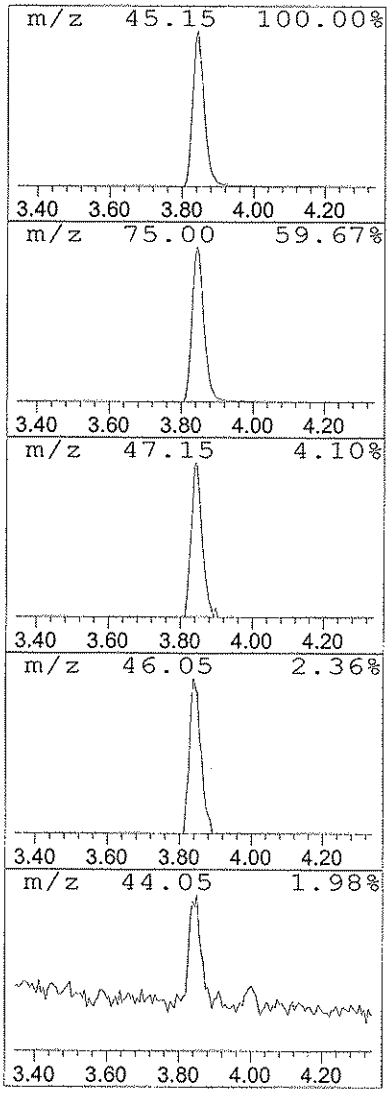
****

Peak Number 1 Methane, dimethoxy- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.843	3.08 ug/L	278446	fluorobenzene	7.541

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, dimethoxy-	76	C3H8O2	000109-87-5	83
2	Methane, dimethoxy-	76	C3H8O2	000109-87-5	83
3	Methane, dimethoxy-	76	C3H8O2	000109-87-5	64
4	Propylene Glycol	76	C3H8O2	000057-55-6	5
5	Isopropyl Alcohol	60	C3H8O	000067-63-0	5





Library Search Compound Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100928.D
Acq On : 9 Oct 2007 9:32 pm
Operator : BR
Sample : ,SAMP,ME0710076-04A,1,
Misc : 8260+_W25
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

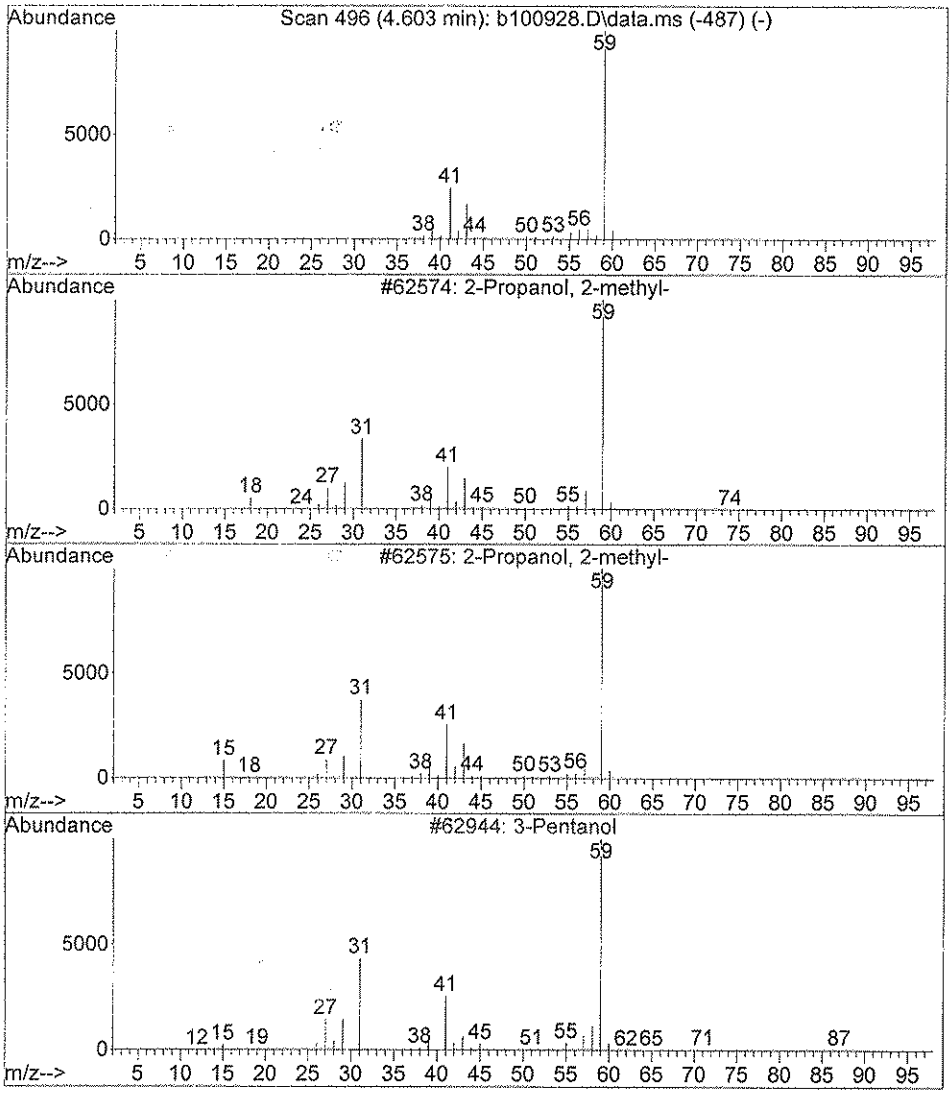
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

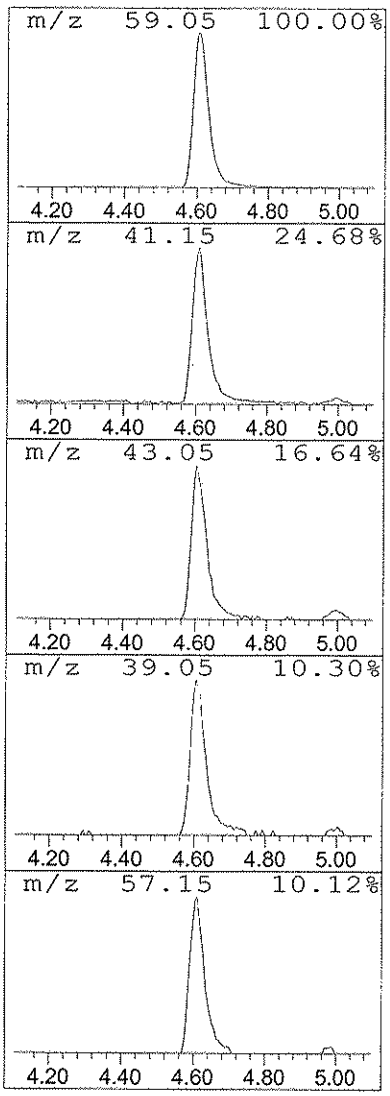
****

Peak Number 2 2-Propanol, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.603	3.32 ug/L	300285	fluorobenzene	7.541

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	78
2	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	78
3	3-Pentanol	88	C5H12O	000584-02-1	72
4	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	64
5	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	56





Library Search Compound Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100928.D
Acq On : 9 Oct 2007 9:32 pm
Operator : BR
Sample : ,SAMP,ME0710076-04A,1,
Misc : 8260+_W25
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

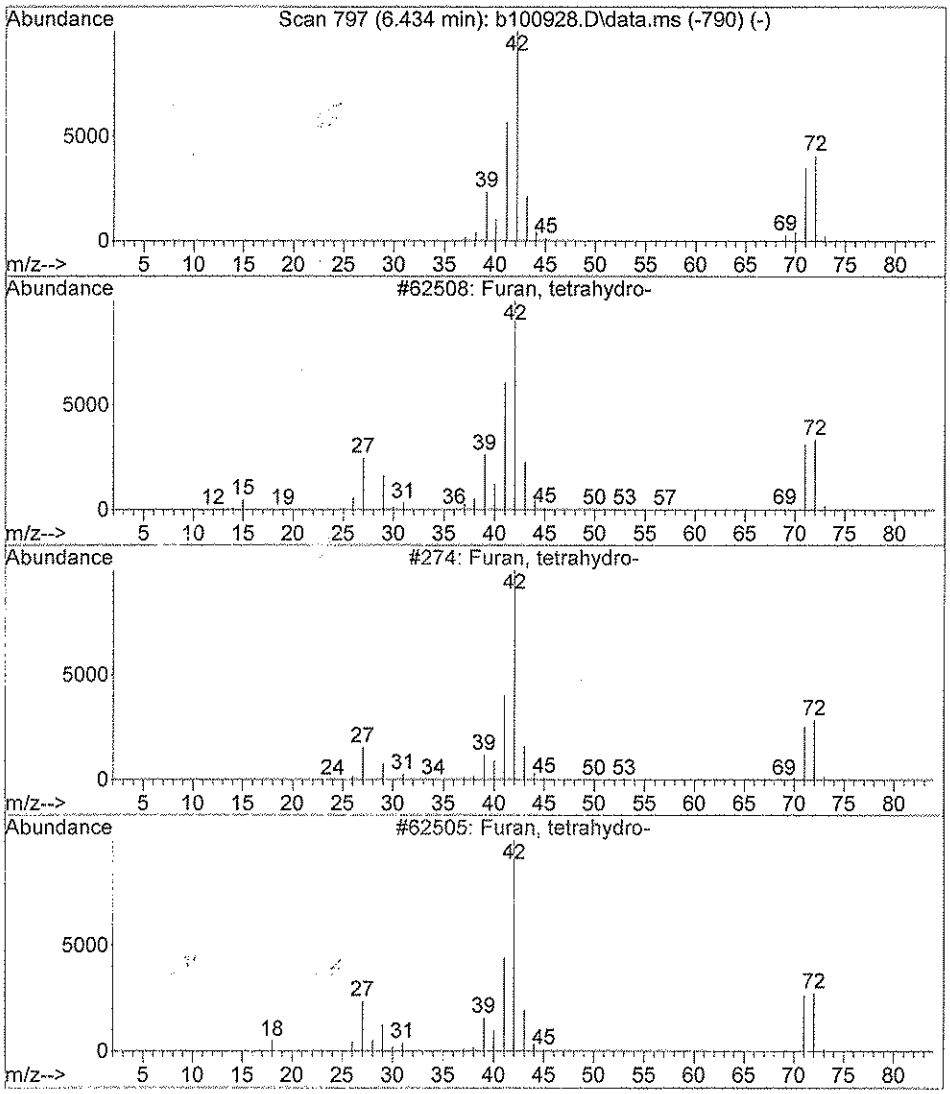
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

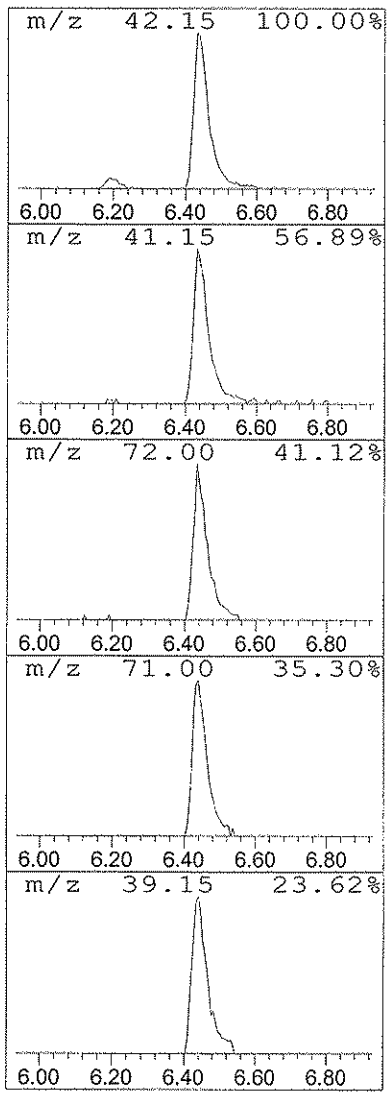
****

Peak Number 3 Furan, tetrahydro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.434	1.23 ug/L	111367	fluorobenzene	7.541

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-	72	C4H8O	000109-99-9	91
2	Furan, tetrahydro-	72	C4H8O	000109-99-9	90
3	Furan, tetrahydro-	72	C4H8O	000109-99-9	90
4	Furan, tetrahydro-	72	C4H8O	000109-99-9	86
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	58





Data Path : D:\msdchem\1\data\b100907\
Data File : b100928.D
Acq On : 9 Oct 2007 9:32 pm
Operator : BR
Sample : ,SAMP,ME0710076-04A,1,
Misc : 8260+_W25
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

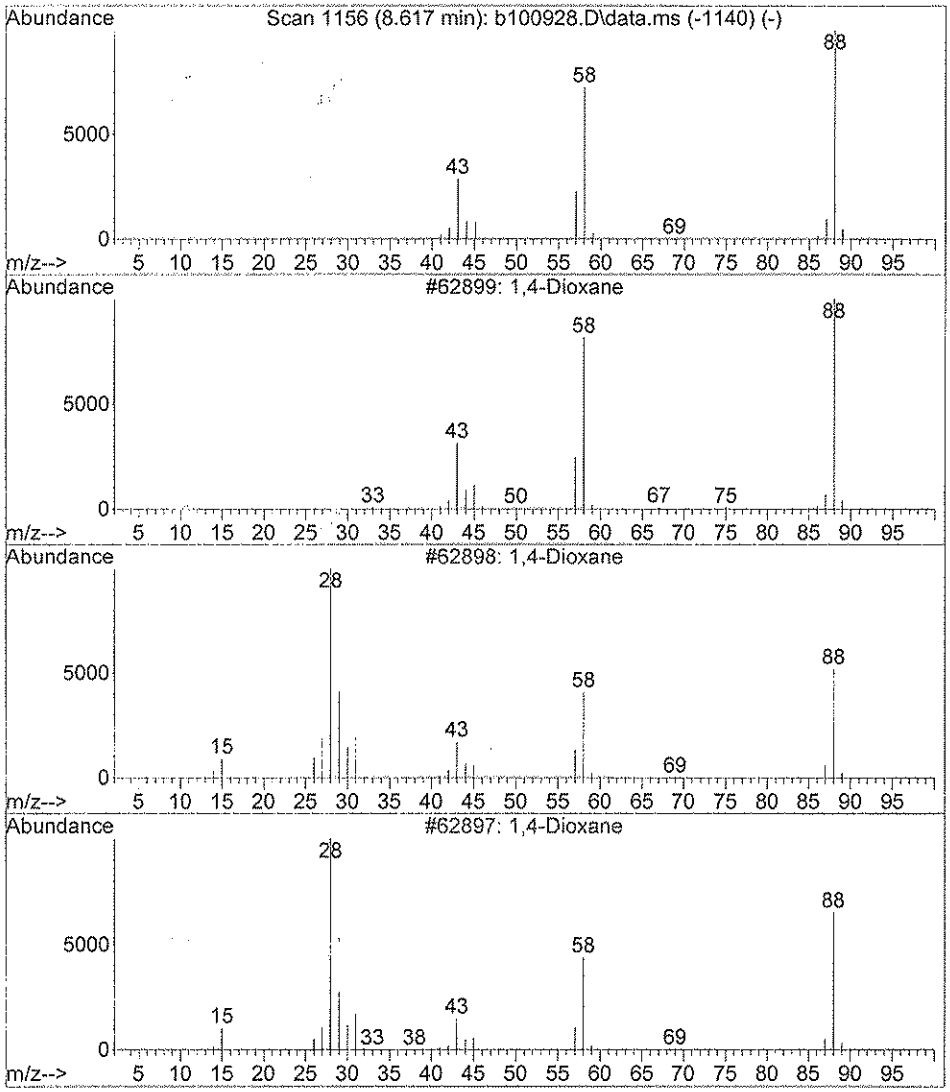
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

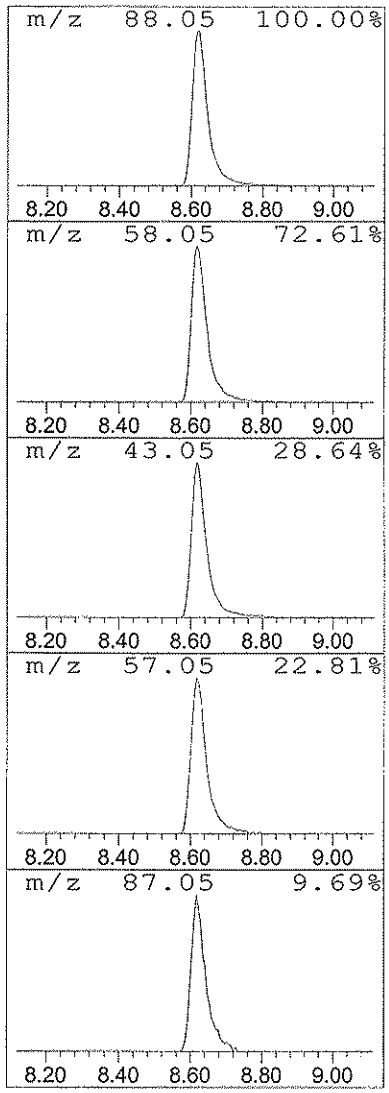
****

Peak Number 4 1,4-Dioxane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.617	5.68 ug/L	513986	fluorobenzene	7.541

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dioxane	88	C4H8O2	000123-91-1	91
2	1,4-Dioxane	88	C4H8O2	000123-91-1	90
3	1,4-Dioxane	88	C4H8O2	000123-91-1	90
4	1,4-Dioxane	88	C4H8O2	000123-91-1	83
5	1-Propanamine, N-ethyl-	87	C5H13N	020193-20-8	9





Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b100907\
Data File : b100929.D
Acq On : 9 Oct 2007 10:04 pm
Operator : BR
Sample : ,SAMP,ME0710076-05A,1,
Misc : 8260+_W25
ALS Vial : 29 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Benzene, 1,2-di...	16.225	4.0	ug/L	291224	3	15.873	720339	10.0
Benzene, 1,2-di...	16.335	1.2	ug/L	89068	3	15.873	720339	10.0
Benzene, 2-ethy...	16.718	4.1	ug/L	292807	3	15.873	720339	10.0
Benzene, 1-meth...	16.852	6.0	ug/L	431306	3	15.873	720339	10.0
Benzene, (2-met...	17.010	2.2	ug/L	157629	3	15.873	720339	10.0
Benzene, 1,2,3,...	17.369	9.6	ug/L	689358	3	15.873	720339	10.0
Benzene, 1,2,4,...	17.429	17.9	ug/L	1287460	3	15.873	720339	10.0
Benzene, 2-ethe...	17.946	4.8	ug/L	345425	3	15.873	720339	10.0
6-Methyl-4-indanol	18.348	1.9	ug/L	133487	3	15.873	720339	10.0
Benzene, 1-ethy...	18.451	1.2	ug/L	87434	3	15.873	720339	10.0

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100929.D
Acq On : 9 Oct 2007 10:04 pm
Operator : BR
Sample : ,SAMP,ME0710076-05A,1,
Misc : 8260+_W25
ALS Vial : 29 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 3 % of largest Peak
Max Peaks: 100
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b100929.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.684	828	838	856	rBV	107924	272455	21.16%	3.169%
2	7.134	901	912	926	rBV	86034	216013	16.78%	2.513%
3	7.541	966	979	999	rBV	354605	881669	68.48%	10.255%
4	9.803	1339	1351	1362	rBV	428090	1073841	83.41%	12.491%
5	10.728	1494	1503	1512	rVB2	26156	63936	4.97%	0.744%
6	12.102	1718	1729	1754	rBV	330403	873207	67.82%	10.157%
7	14.097	2045	2057	2074	rBV	236250	558052	43.35%	6.491%
8	15.873	2339	2349	2360	rBV	353045	720339	55.95%	8.379%
9	16.225	2396	2407	2417	rBV3	127058	291224	22.62%	3.387%
10	16.335	2417	2425	2436	rVB3	39416	89068	6.92%	1.036%
11	16.499	2445	2452	2461	rVB	33087	62001	4.82%	0.721%
12	16.718	2478	2488	2503	rBV	121732	292807	22.74%	3.406%
13	16.852	2503	2510	2516	rBV	235648	431306	33.50%	5.017%
14	17.010	2528	2536	2546	rBV2	73050	157629	12.24%	1.833%
15	17.369	2581	2595	2600	rBV	380921	689358	53.54%	8.018%
16	17.429	2600	2605	2615	rVB	733859	1287457	100.00%	14.975%
17	17.758	2654	2659	2671	rVB3	36107	70497	5.48%	0.820%
18	17.946	2682	2690	2698	rBV	201403	345425	26.83%	4.018%
19	18.348	2748	2756	2762	rVB2	50348	133487	10.37%	1.553%
20	18.451	2763	2773	2780	rVB3	43506	87434	6.79%	1.017%

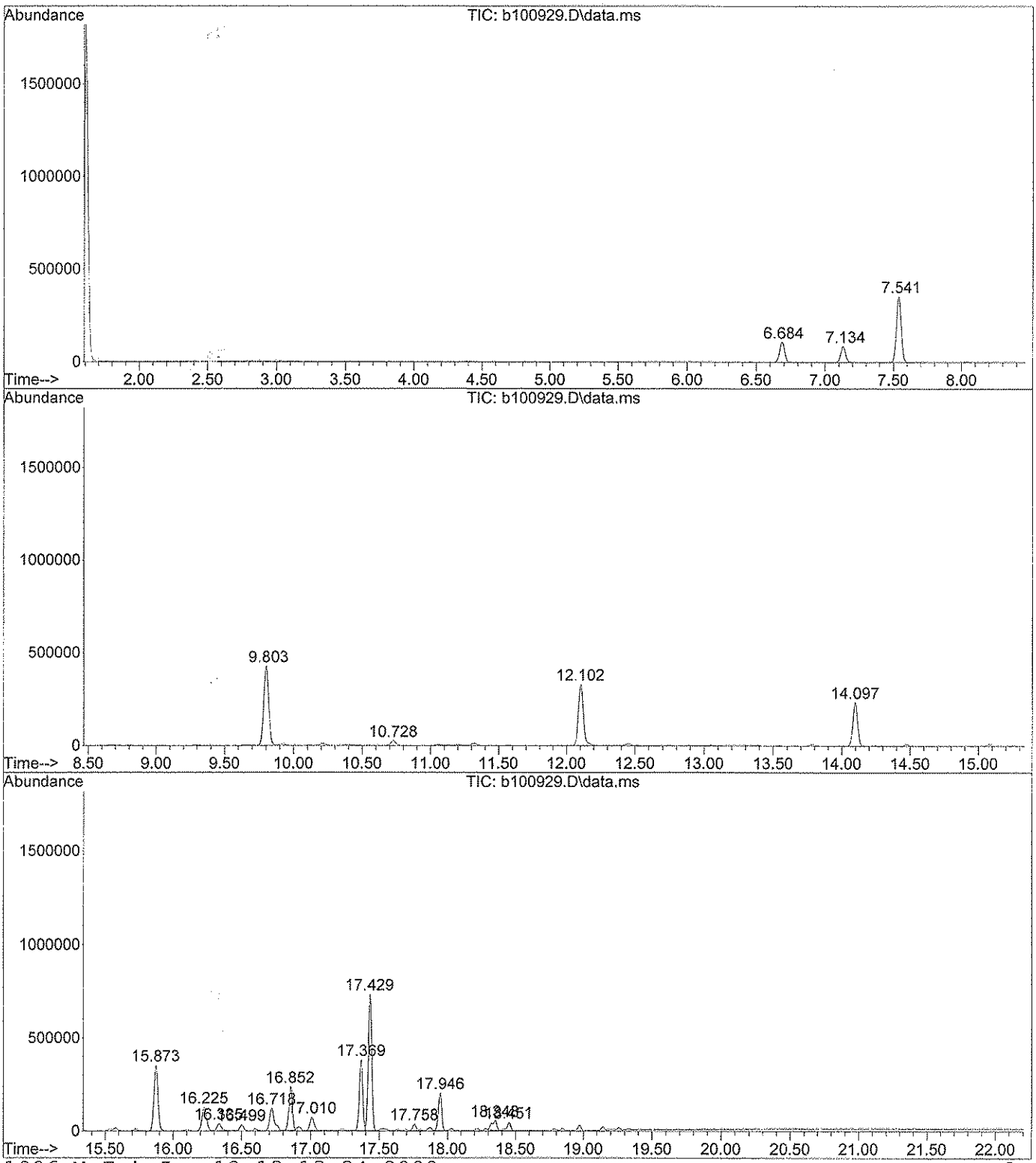
Sum of corrected areas: 8597205

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b100907\
Data File : b100929.D
Acq On : 9 Oct 2007 10:04 pm
Operator : BR
Sample : ,SAMP,ME0710076-05A,1,
Misc : 8260+_W25
ALS Vial : 29 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Data Path : D:\msdchem\1\data\b100907\
Data File : b100929.D
Acq On : 9 Oct 2007 10:04 pm
Operator : BR
Sample : ,SAMP,ME0710076-05A,1,
Misc : 8260+_W25
ALS Vial : 29 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

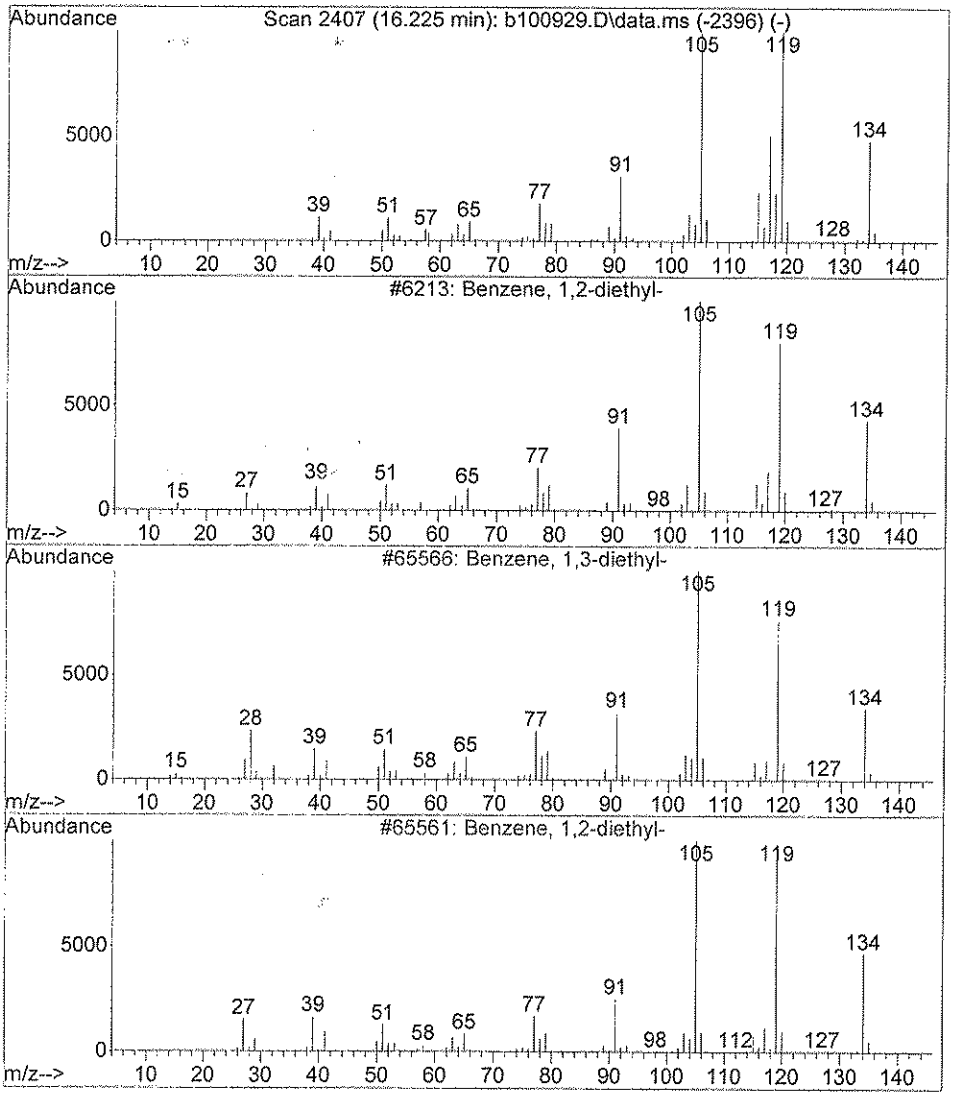
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

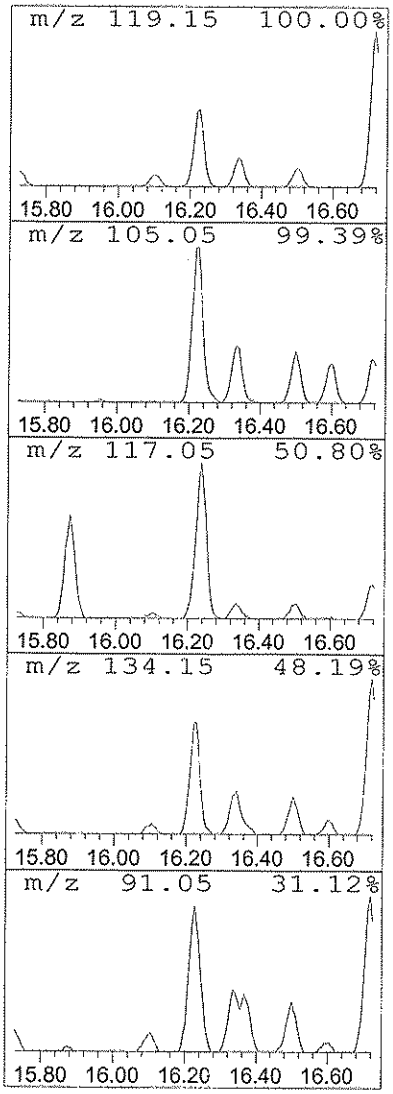
****

Peak Number 1 Benzene, 1,2-diethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.225	4.04 ug/L	291224	1,4-dichlorobenzene-d4	15.873

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	89
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	86
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	76
4	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	76
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	70





Library Search Compound Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100929.D
Acq On : 9 Oct 2007 10:04 pm
Operator : BR
Sample : ,SAMP,ME0710076-05A,1,
Misc : 8260+_W25
ALS Vial : 29 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

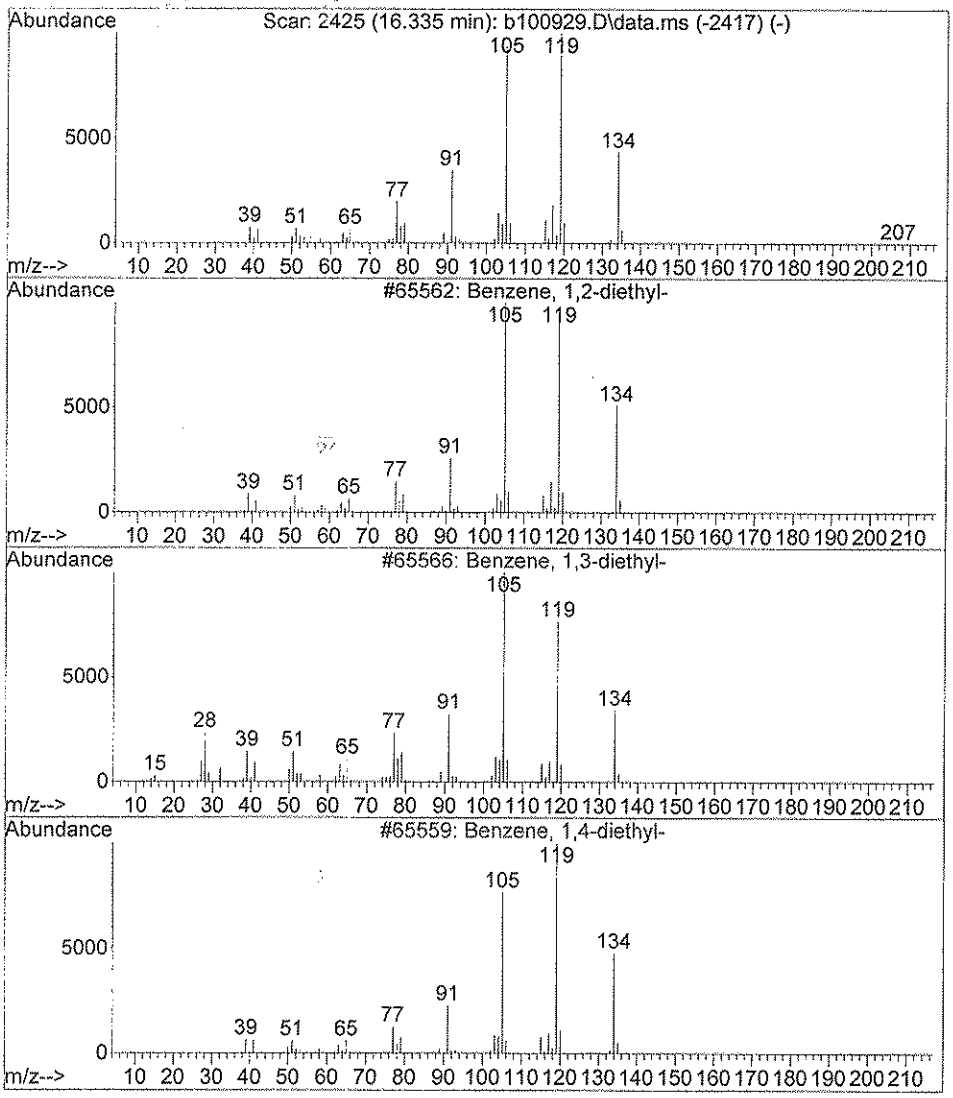
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

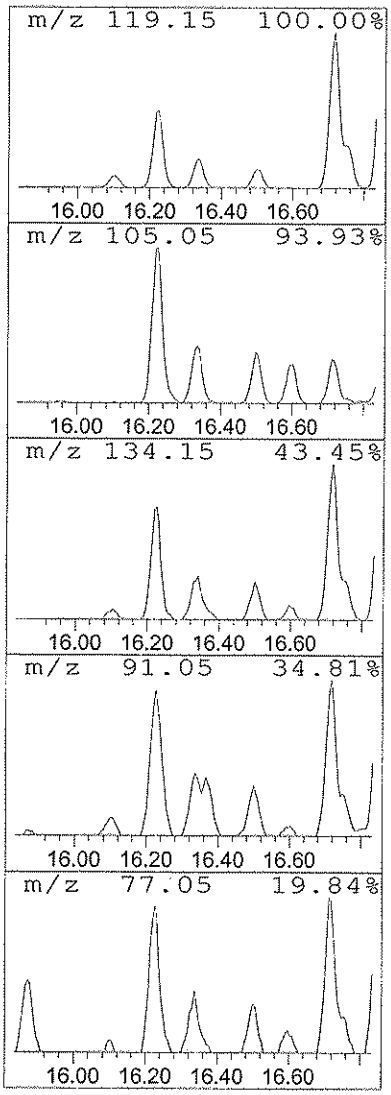
****

Peak Number 2 Benzene, 1,2-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.335	1.24 ug/L	89068	1,4-dichlorobenzene-d4	15.873

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	97
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94





Library Search Compound Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100929.D
Acq On : 9 Oct 2007 10:04 pm
Operator : BR
Sample : ,SAMP,ME0710076-05A,1,
Misc : 8260+_W25
ALS Vial : 29 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

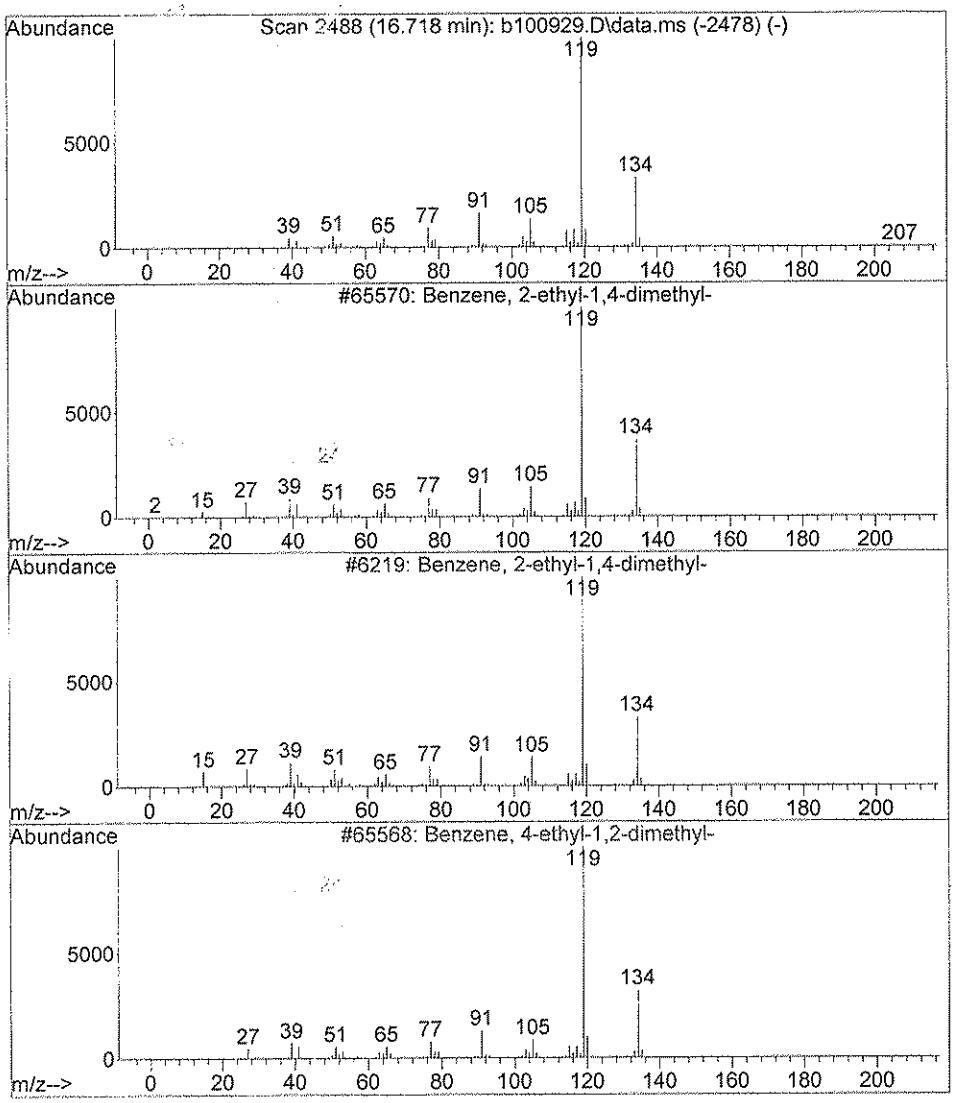
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

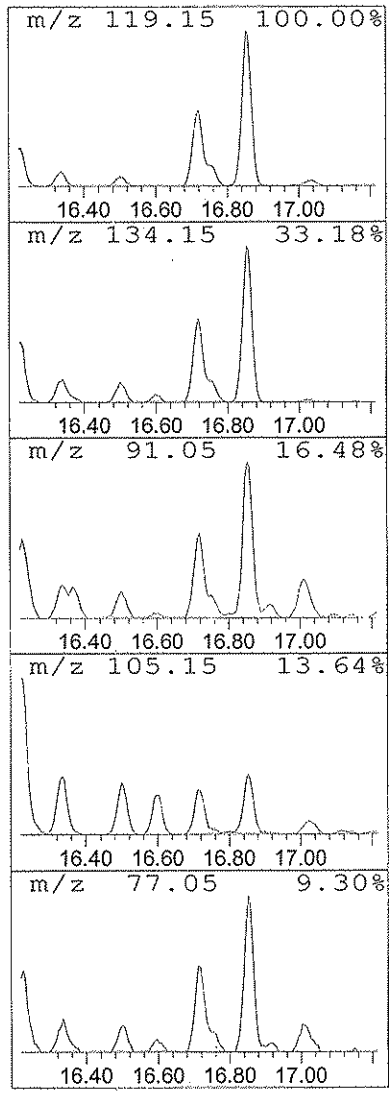
****

Peak Number 3 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.718	4.06 ug/L	292807	1,4-dichlorobenzene-d4	15.873

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





Data Path : D:\msdchem\1\data\b100907\
Data File : b100929.D
Acq On : 9 Oct 2007 10:04 pm
Operator : BR
Sample : ,SAMP,ME0710076-05A,1,
Misc : 8260+_W25
ALS Vial : 29 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

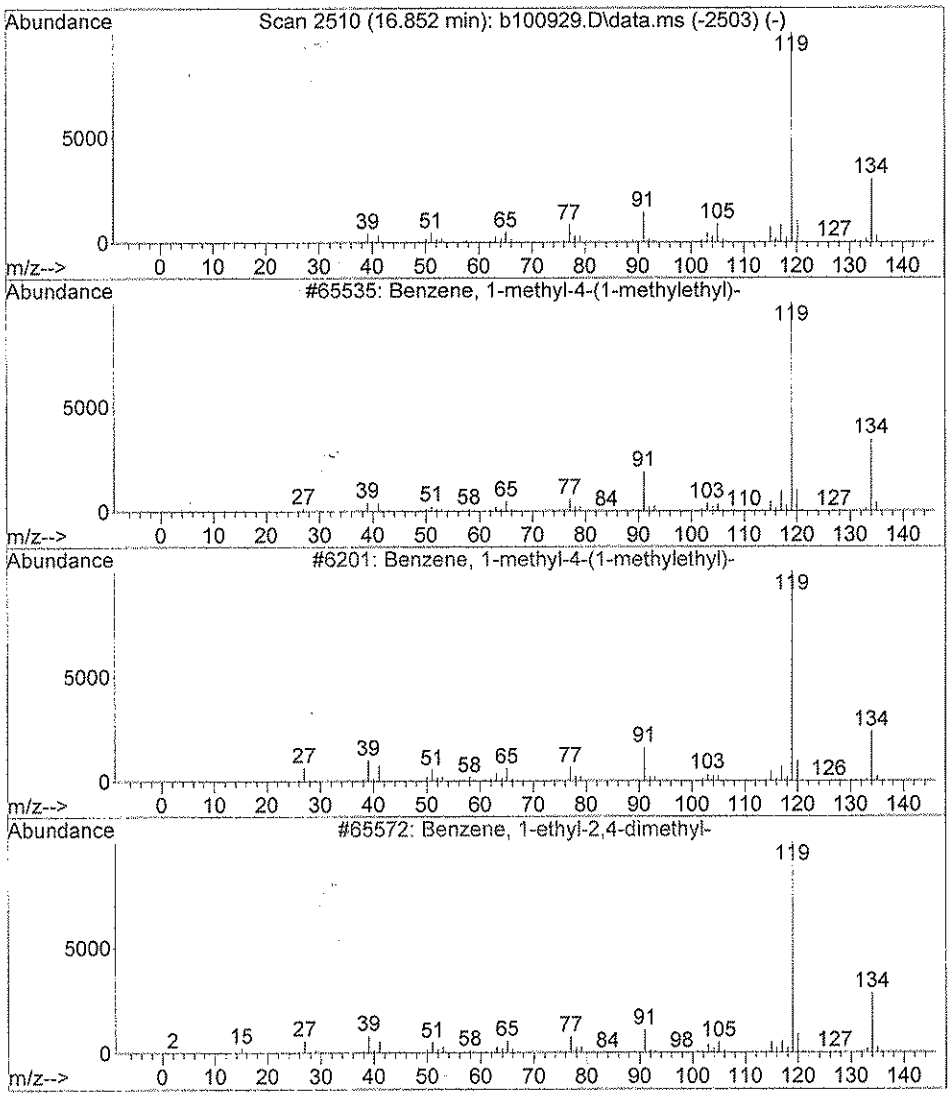
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

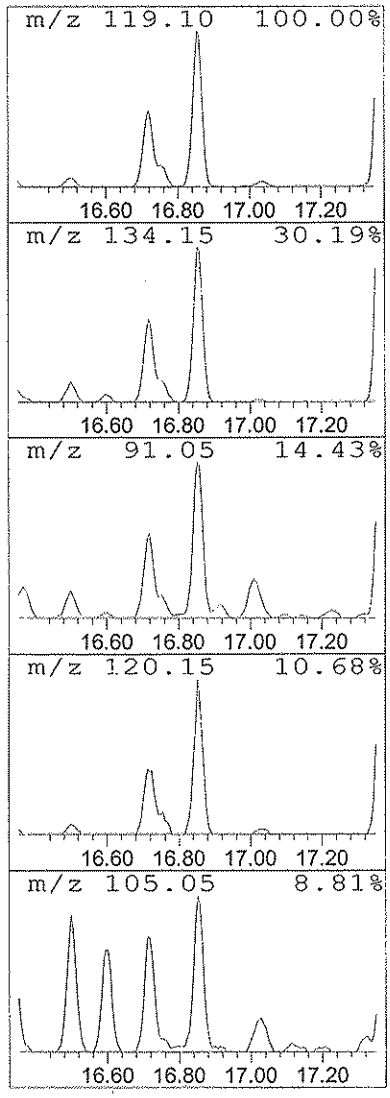
****

Peak Number 4 Benzene, 1-methyl-4-(1-meth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.852	5.99 ug/L	431306	1,4-dichlorobenzene-d4	15.873

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	97
2	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95





Library Search Compound Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100929.D
Acq On : 9 Oct 2007 10:04 pm
Operator : BR
Sample : ,SAMP,ME0710076-05A,1,
Misc : 8260+_W25
ALS Vial : 29 Sample Multiplier: 1

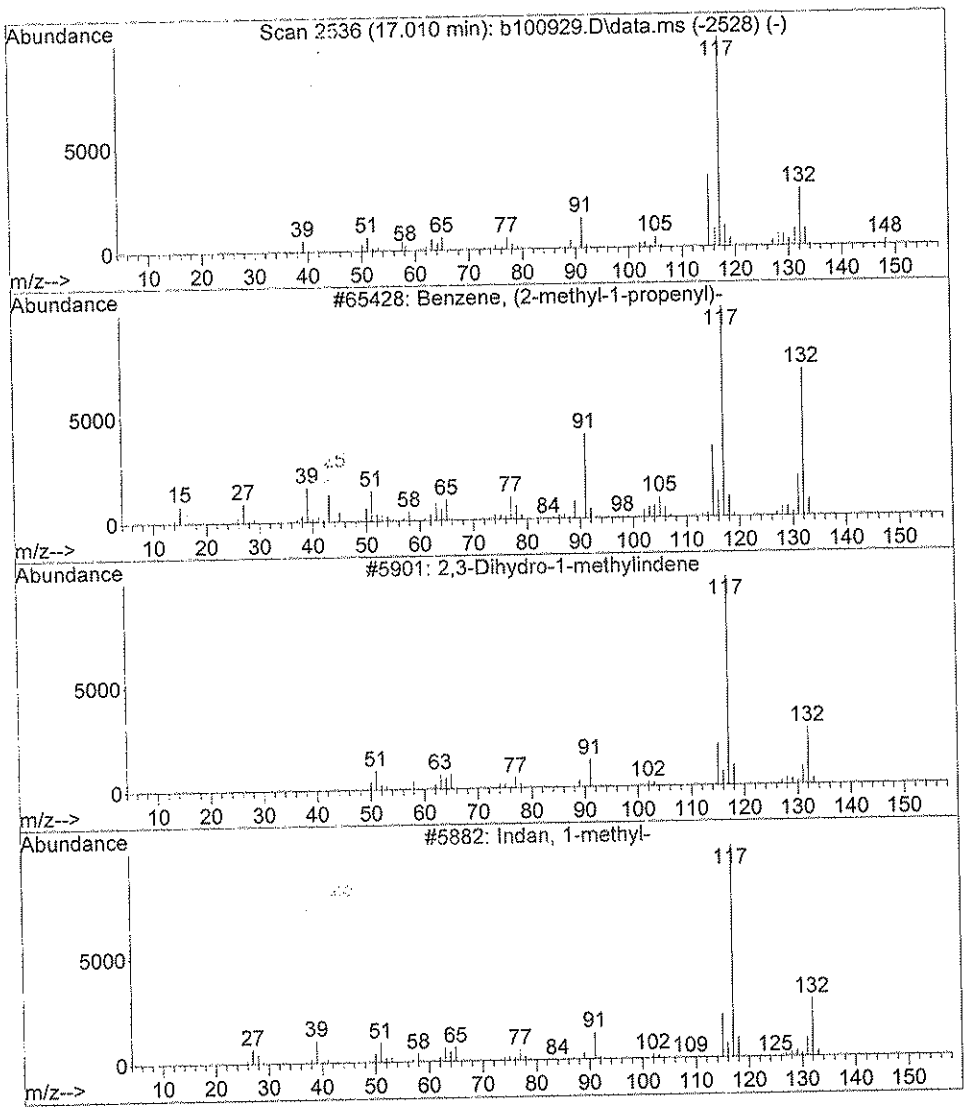
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

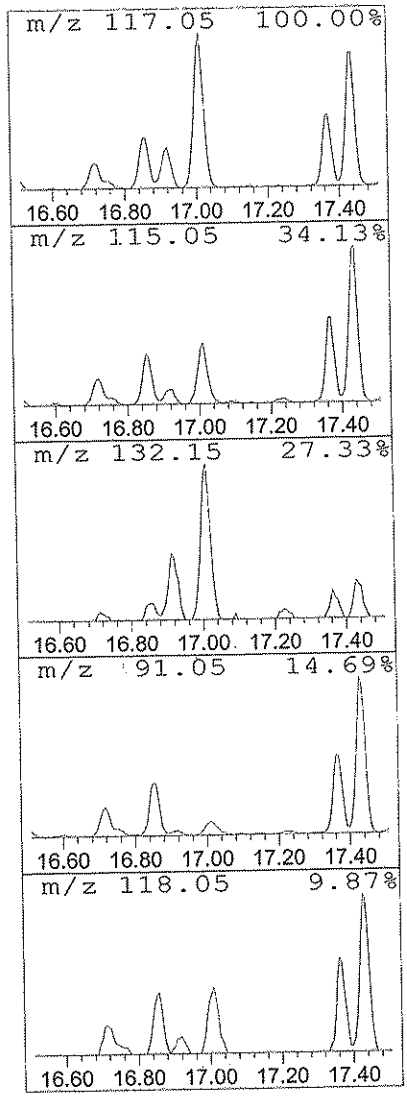
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

****
Peak Number 5 Benzene, (2-methyl-1-propen... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.010	2.19 ug/L	157629	1,4-dichlorobenzene-d4	15.873

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
2	2,3-Dihydro-1-methylindene	132	C10H12	027133-93-3	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	83
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	78
5	Indan, 1-methyl-	132	C10H12	000767-58-8	76





Library Search Compound Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100929.D
Acq On : 9 Oct 2007 10:04 pm
Operator : BR
Sample : ,SAMP,ME0710076-05A,1,
Misc : 8260+_W25
ALS Vial : 29 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

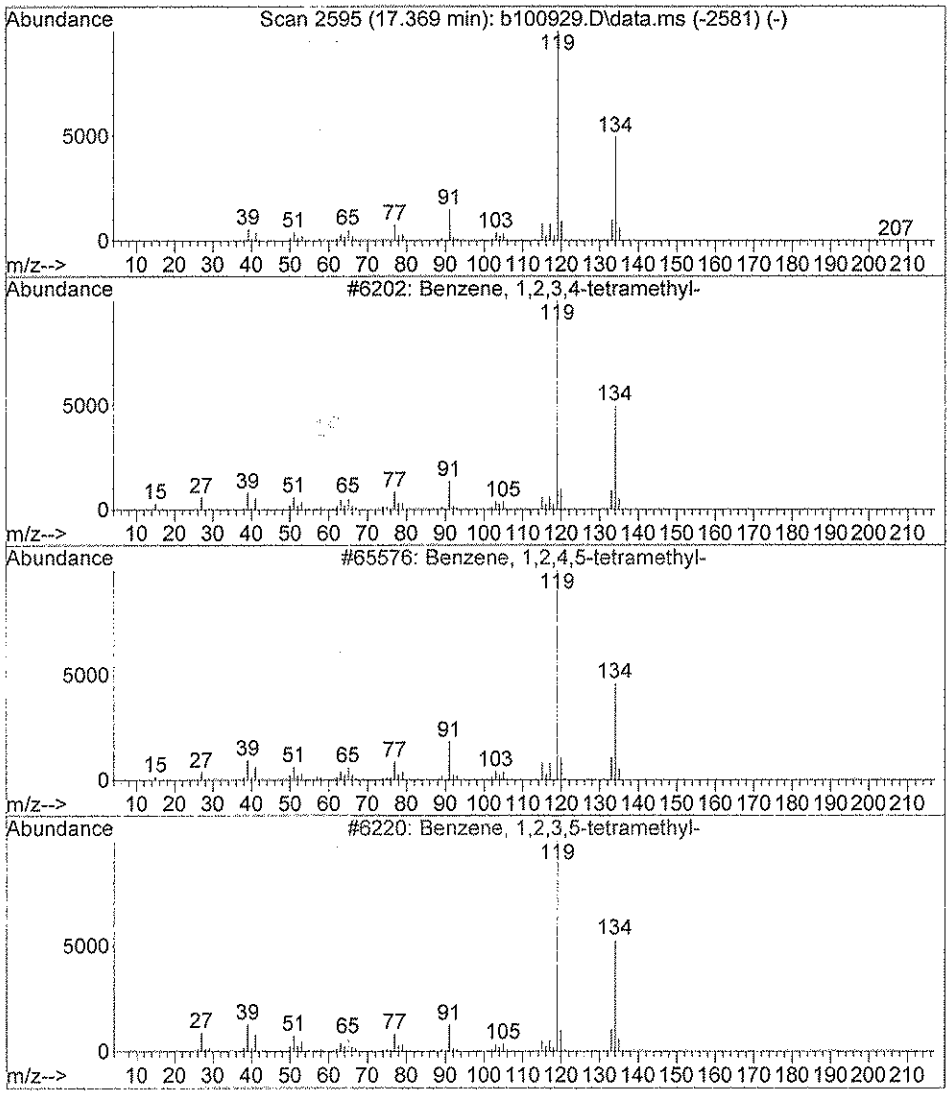
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

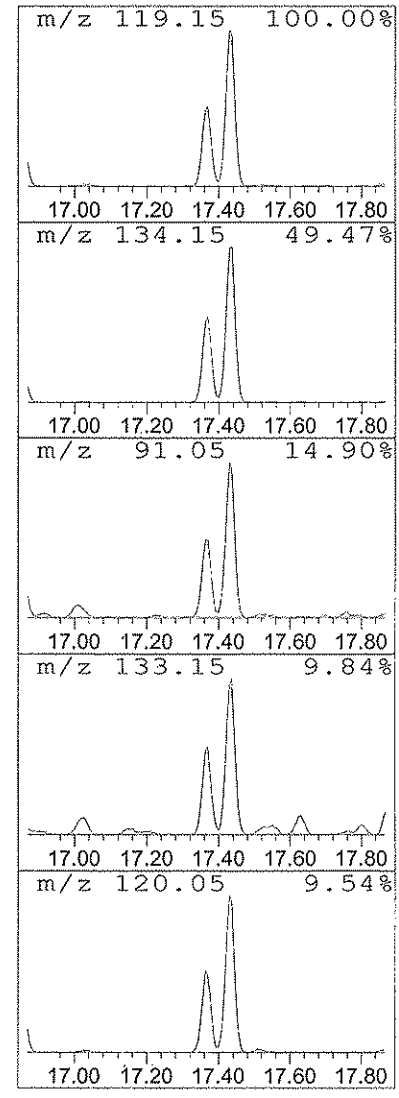
****

Peak Number 6 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.369	9.57 ug/L	689358	1,4-dichlorobenzene-d4	15.873

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95





Library Search Compound Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100929.D
Acq On : 9 Oct 2007 10:04 pm
Operator : BR
Sample : ,SAMP,ME0710076-05A,1,
Misc : 8260+_W25
ALS Vial : 29 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

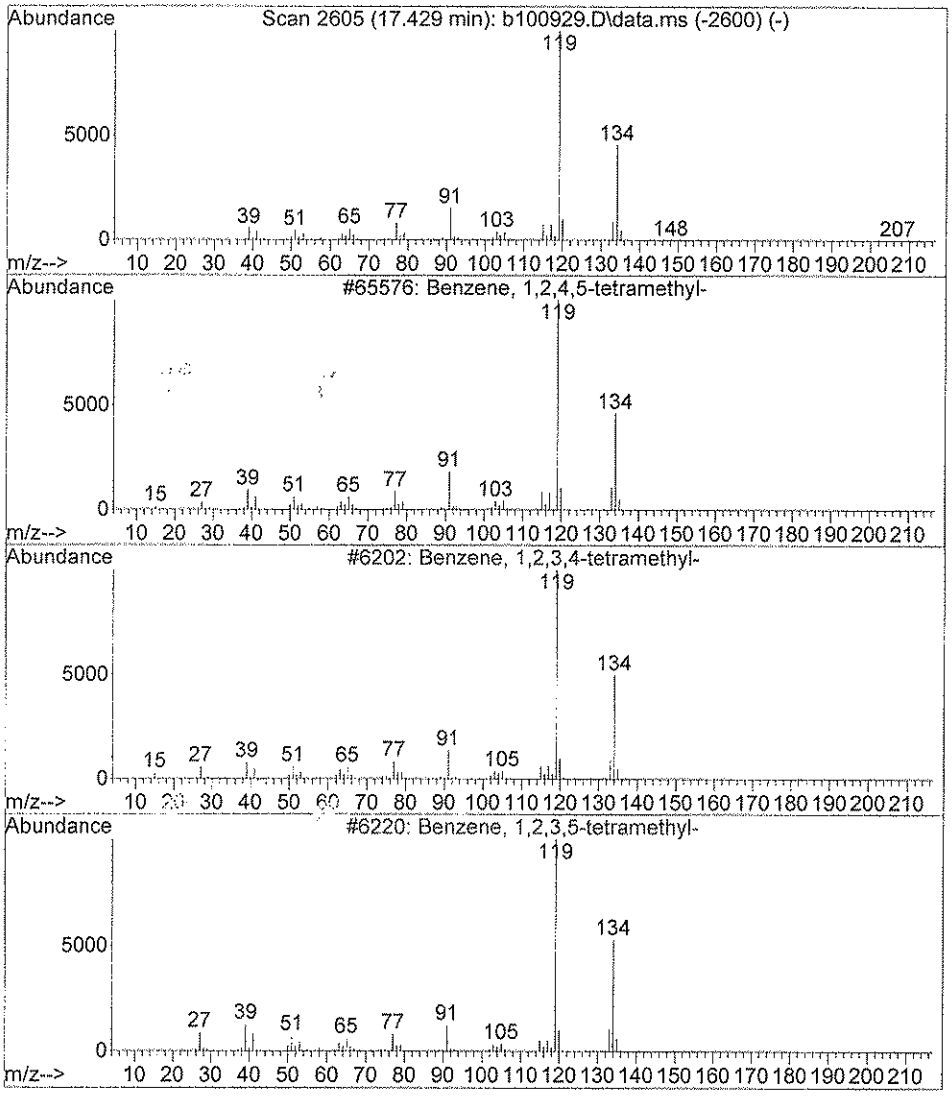
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

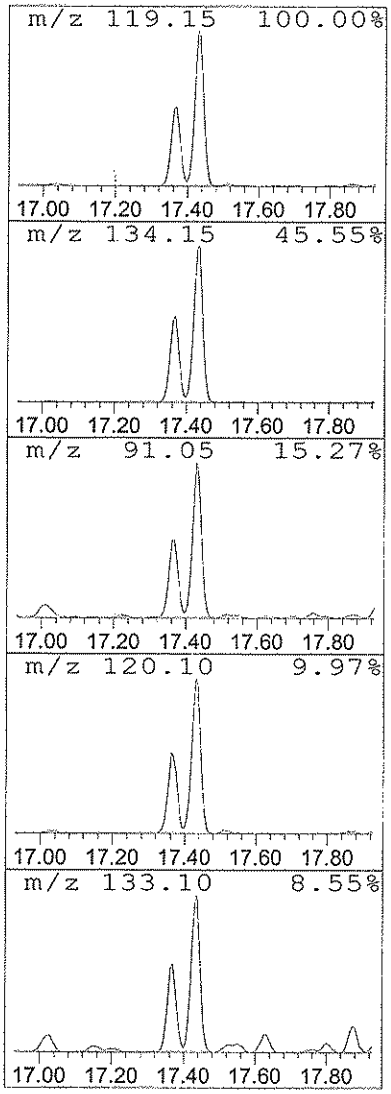
****

Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.429	17.87 ug/L	1287460	1,4-dichlorobenzene-d4	15.873

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95





Data Path : D:\msdchem\1\data\b100907\
Data File : b100929.D
Acq On : 9 Oct 2007 10:04 pm
Operator : BR
Sample : ,SAMP,ME0710076-05A,1,
Misc : 8260+_W25
ALS Vial : 29 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

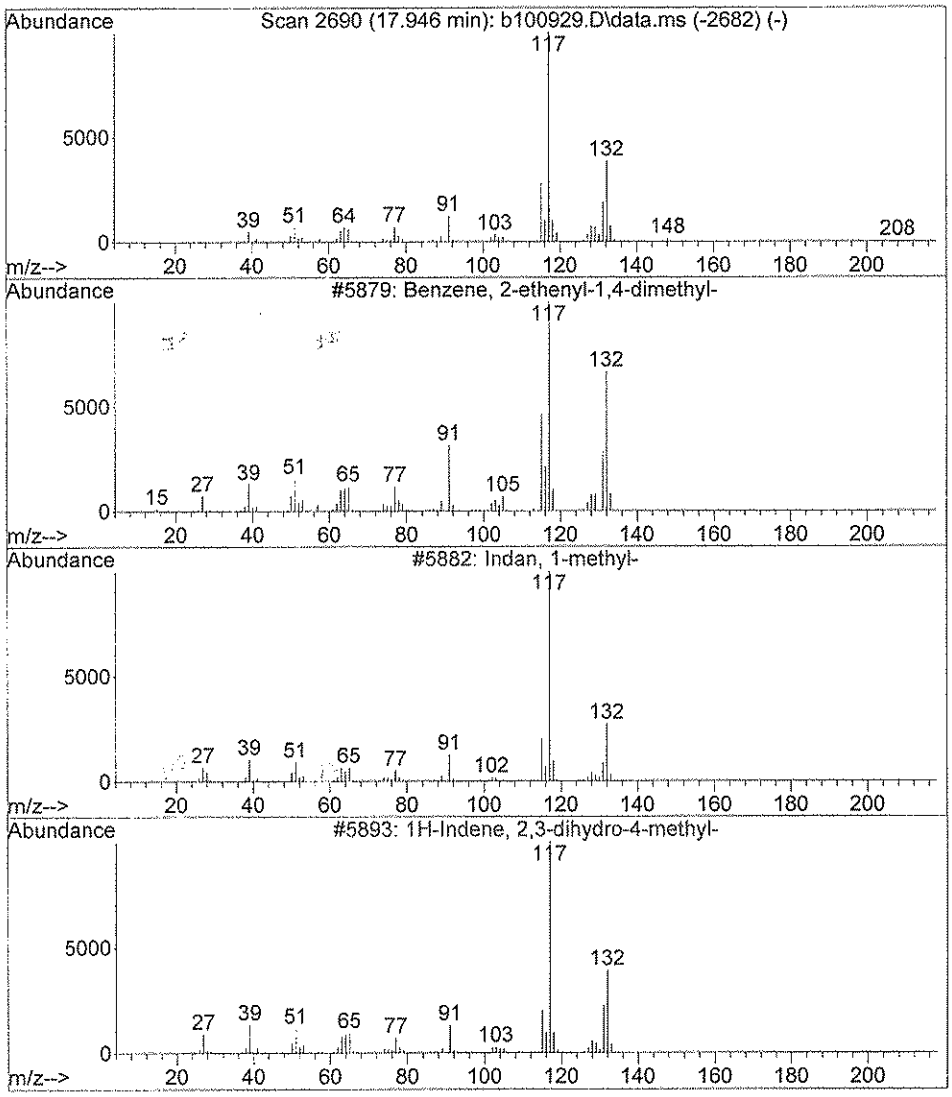
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

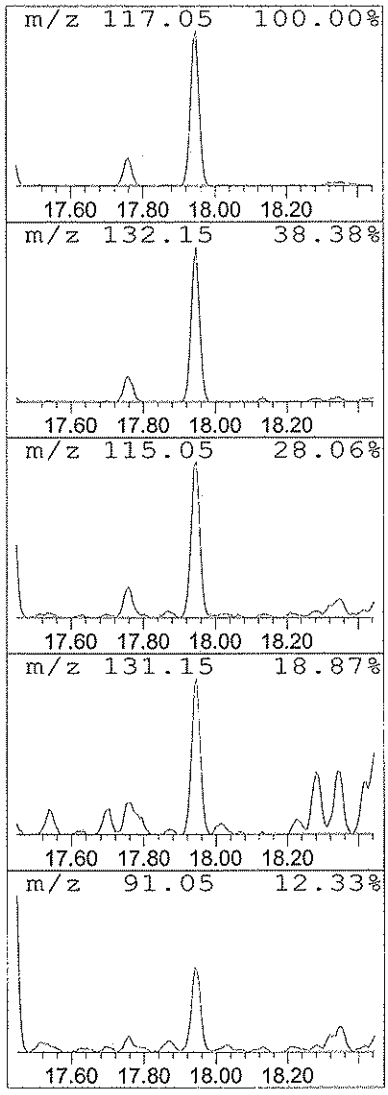
****

Peak Number 8 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.946	4.80 ug/L	345425	1,4-dichlorobenzene-d4	15.873

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
2	Indan, 1-methyl-	132	C10H12	000767-58-8	91
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
5	2,3-Dihydro-1-methylindene	132	C10H12	027133-93-3	90





Data Path : D:\msdchem\1\data\b100907\
Data File : b100929.D
Acq On : 9 Oct 2007 10:04 pm
Operator : BR
Sample : ,SAMP,ME0710076-05A,1,
Misc : 8260+_W25
ALS Vial : 29 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

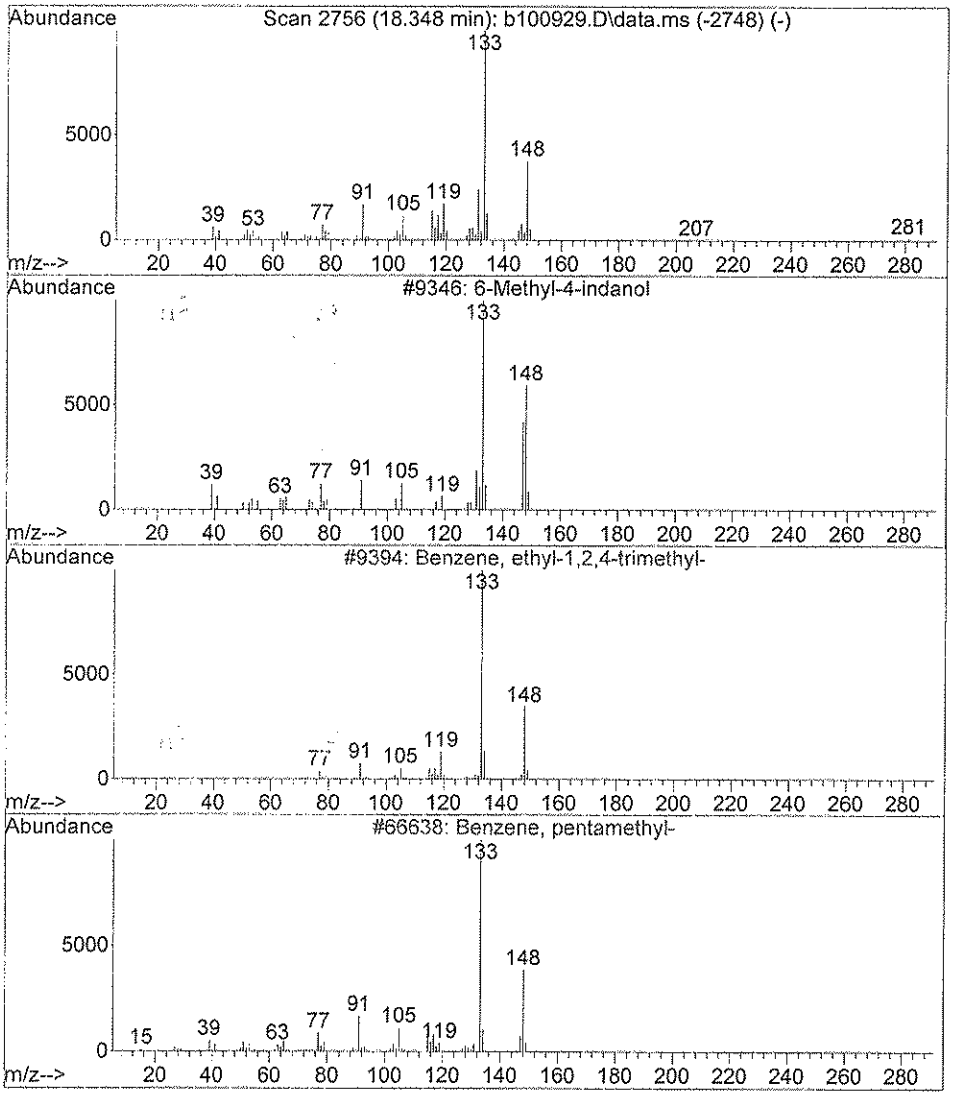
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

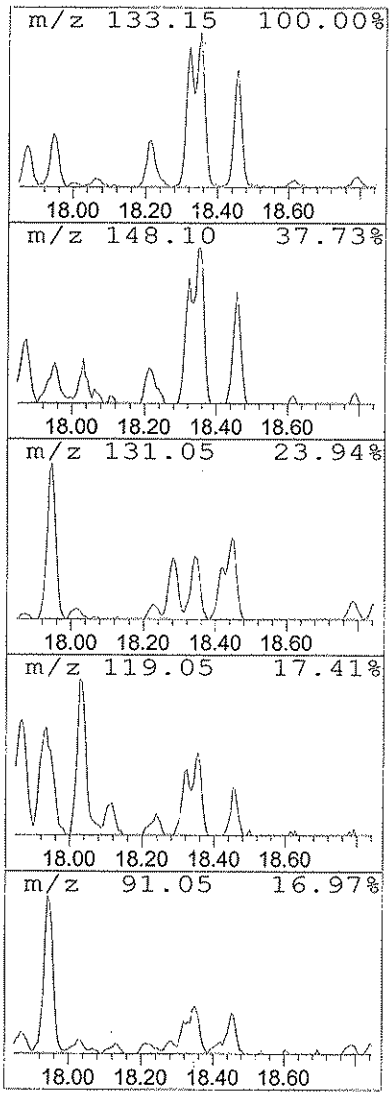
****

Peak Number 9 6-Methyl-4-indanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.348	1.85 ug/L	133487	1,4-dichlorobenzene-d4	15.873

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methyl-4-indanol	148	C10H12O	020294-32-0	87
2	Benzene, ethyl-1,2,4-trimethyl-	148	C11H16	054120-62-6	87
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	81
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	81
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	76





Data Path : D:\msdchem\1\data\b100907\
Data File : b100929.D
Acq On : 9 Oct 2007 10:04 pm
Operator : BR
Sample : ,SAMP,ME0710076-05A,1,
Misc : 8260+_W25
ALS Vial : 29 Sample Multiplier: 1

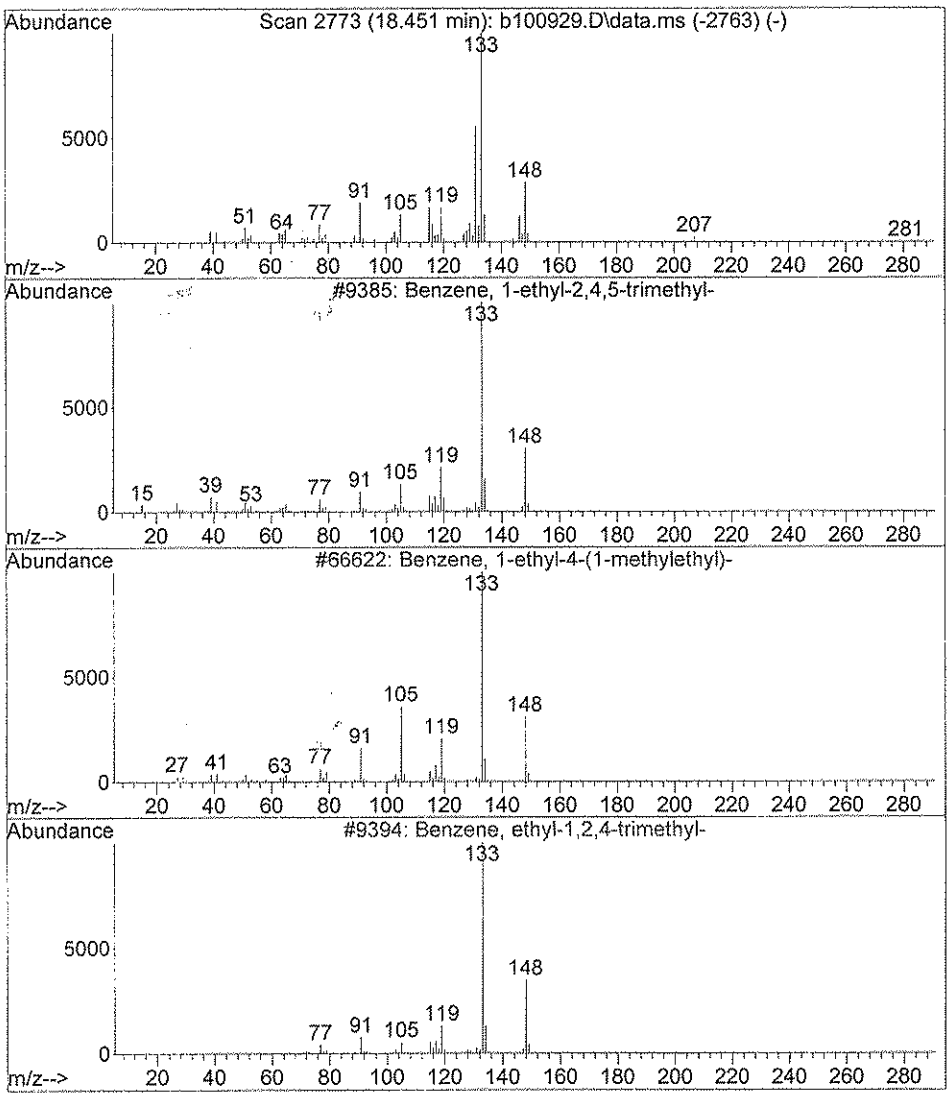
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

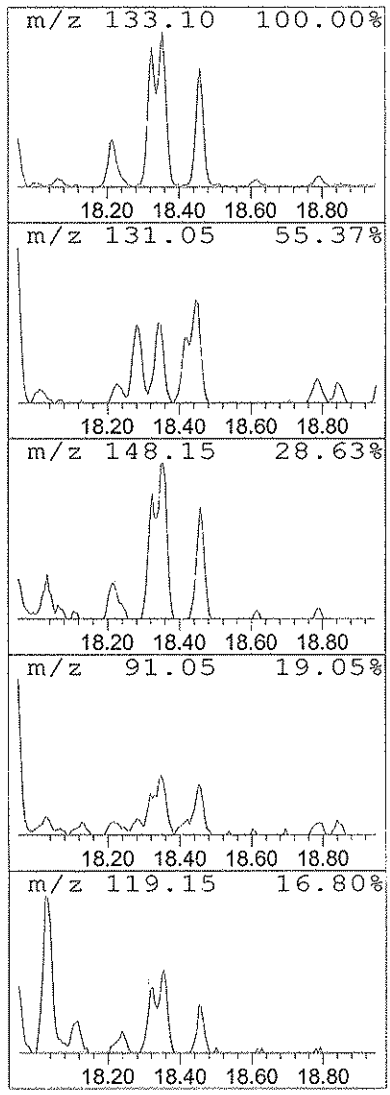
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

****
Peak Number 10 Benzene, 1-ethyl-2,4,5-trim... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.451	1.21 ug/L	87434	1,4-dichlorobenzene-d4	15.873

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	58
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58
3	Benzene, ethyl-1,2,4-trimethyl-	148	C11H16	054120-62-6	53
4	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	52
5	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	52





Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b100907\\
Data File : b100930.D
Acq On : 9 Oct 2007 10:36 pmm
Operator : BRR
Sample : ,SAMP,ME0710076-06A,1,,
Misc : 8260+_W255
ALS Vial : 30 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100930.D
Acq On : 9 Oct 2007 10:36 pm
Operator : BR
Sample : ,SAMP,ME0710076-06A,1,
Misc : 8260+_W25
ALS Vial : 30 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b100930.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.684	825	838	852	rBV	109856	276690	25.54%	6.241%
2	7.134	902	912	926	rBV	85028	215148	19.86%	4.853%
3	7.542	966	979	998	rBV	362583	896874	82.80%	20.231%
4	9.804	1336	1351	1365	rBV	427899	1083159	100.00%	24.433%
5	12.103	1718	1729	1746	rBV	330479	839458	77.50%	18.936%
6	14.103	2046	2058	2070	rBV	224454	532316	49.14%	12.007%
7	15.879	2336	2350	2363	rVB	287990	589588	54.43%	13.299%

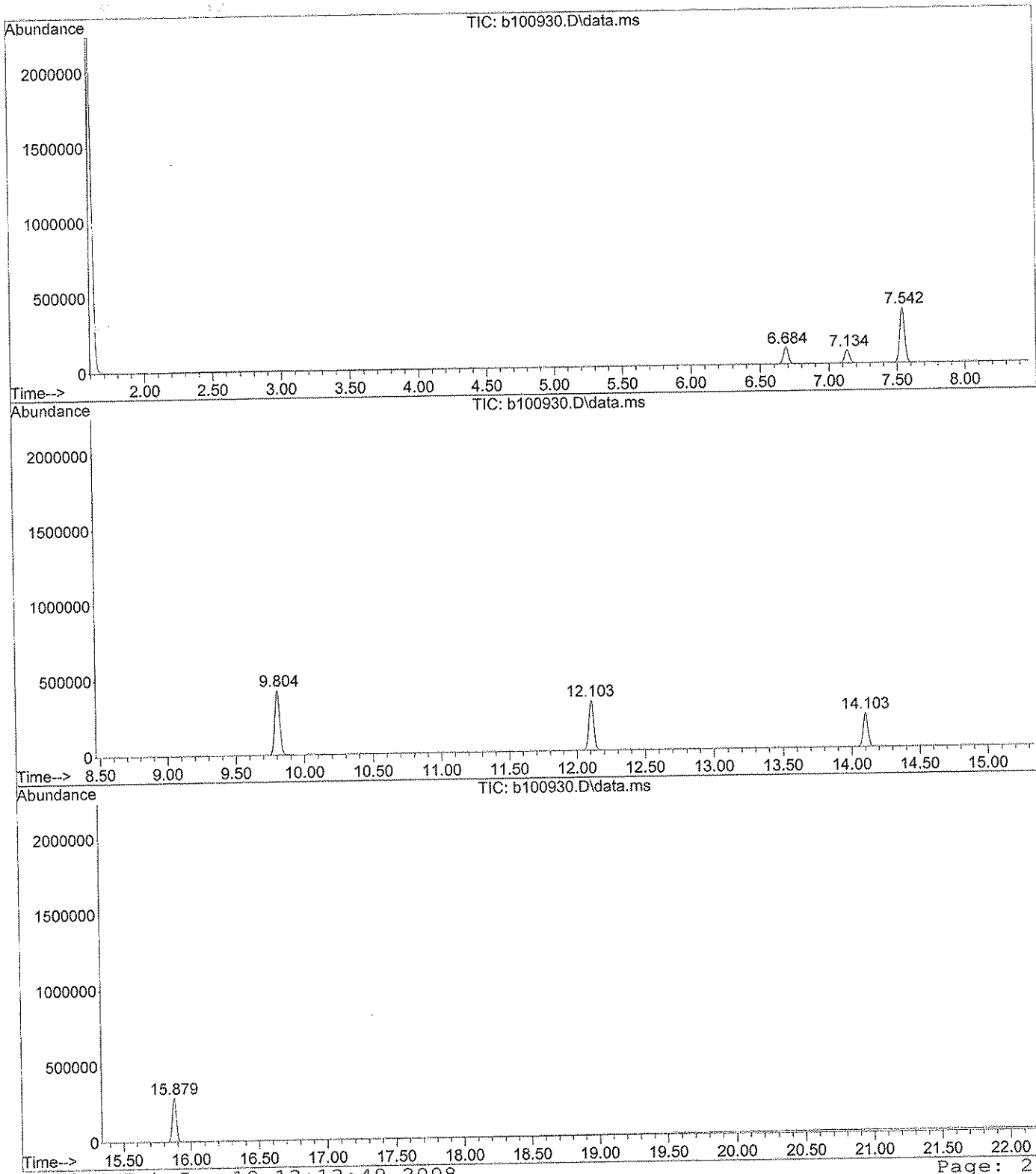
Sum of corrected areas: 4433233

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b100907\
Data File : b100930.D
Acq On : 9 Oct 2007 10:36 pm
Operator : BR
Sample : ,SAMP,ME0710076-06A,1,
Misc : 8260+_W25
ALS Vial : 30 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b100907\\
Data File : b100931.D
Acq On : 9 Oct 2007 11:08 pmm
Operator : BRR
Sample : ,SAMP,ME0710076-07A,1,,
Misc : 8260+_W255
ALS Vial : 31 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100931.D
Acq On : 9 Oct 2007 11:08 pm
Operator : BR
Sample : ,SAMP,ME0710076-07A,1,
Misc : 8260+_W25
ALS Vial : 31 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b100931.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.153	900	915	961	rBV	8437773	23275824	100.00%	89.084%
2	7.536	968	978	991	rVB	367224	920687	3.96%	3.524%
3	9.798	1335	1350	1365	rBV	433603	1089859	4.68%	4.171%
4	12.103	1718	1729	1748	rBV	333155	841460	3.62%	3.221%

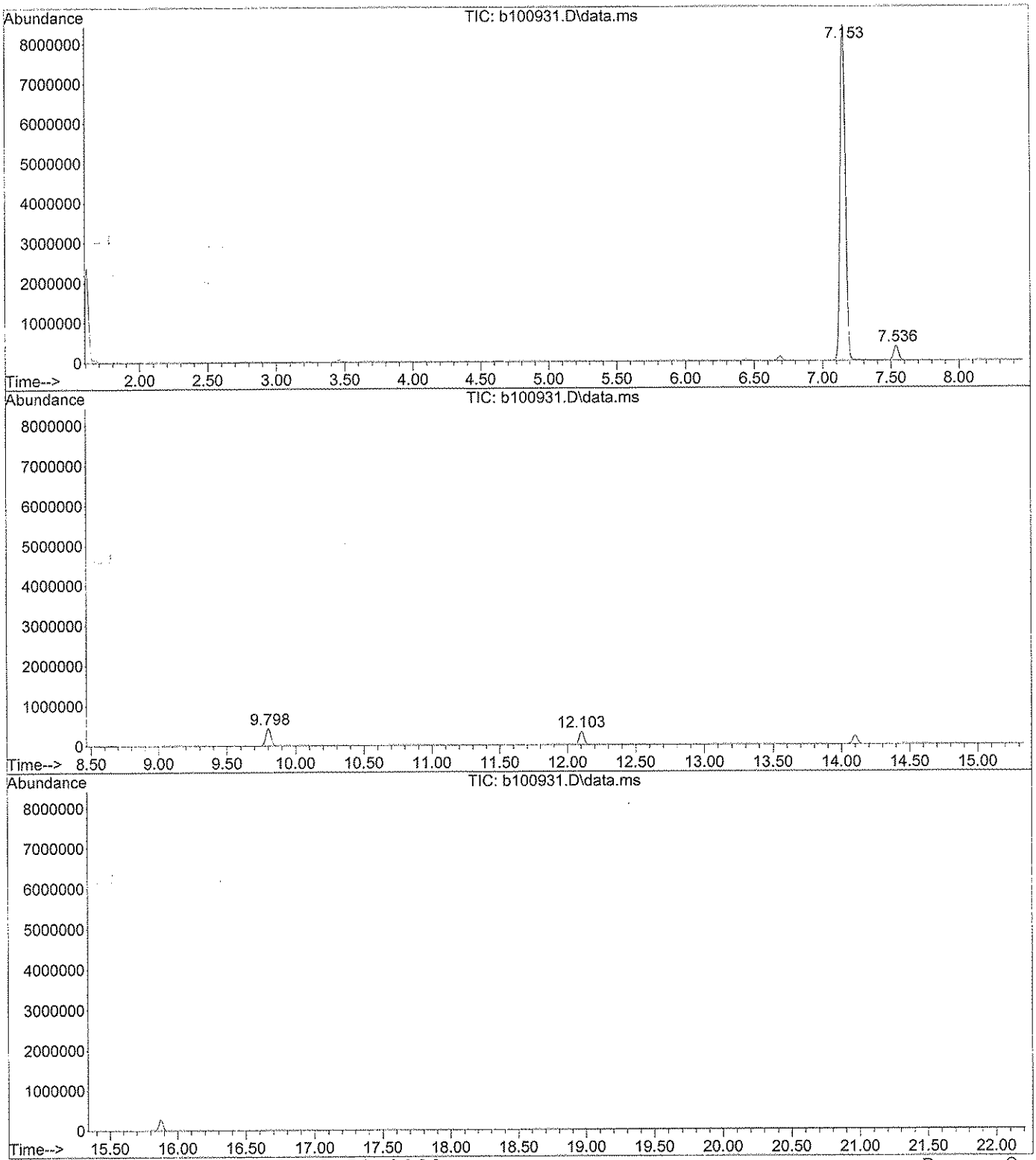
Sum of corrected areas: 26127830

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b100907\
Data File : b100931.D
Acq On : 9 Oct 2007 11:08 pm
Operator : BR
Sample : ,SAMP,ME0710076-07A,1,
Misc : 8260+_W25
ALS Vial : 31 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b100907\\
Data File : b100932.D
Acq On : 9 Oct 2007 11:40 pmm
Operator : BRR
Sample : ,SAMP,ME0710076-08A,1,,
Misc : 8260+_W255
ALS Vial : 32 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100932.D
Acq On : 9 Oct 2007 11:40 pm
Operator : BR
Sample : ,SAMP,ME0710076-08A,1,
Misc : 8260+_W25
ALS Vial : 32 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b100932.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.684	827	838	853	rVB	109725	274303	25.65%	6.286%
2	7.134	900	912	927	rBV	88021	224165	20.96%	5.137%
3	7.536	967	978	991	rBV	354568	884332	82.68%	20.266%
4	9.804	1334	1351	1378	rBV	426901	1069542	100.00%	24.511%
5	12.103	1718	1729	1746	rBV	323479	828114	77.43%	18.978%
6	14.104	2046	2058	2072	rBV	217565	522827	48.88%	11.982%
7	15.879	2340	2350	2360	rVB	266695	560272	52.38%	12.840%

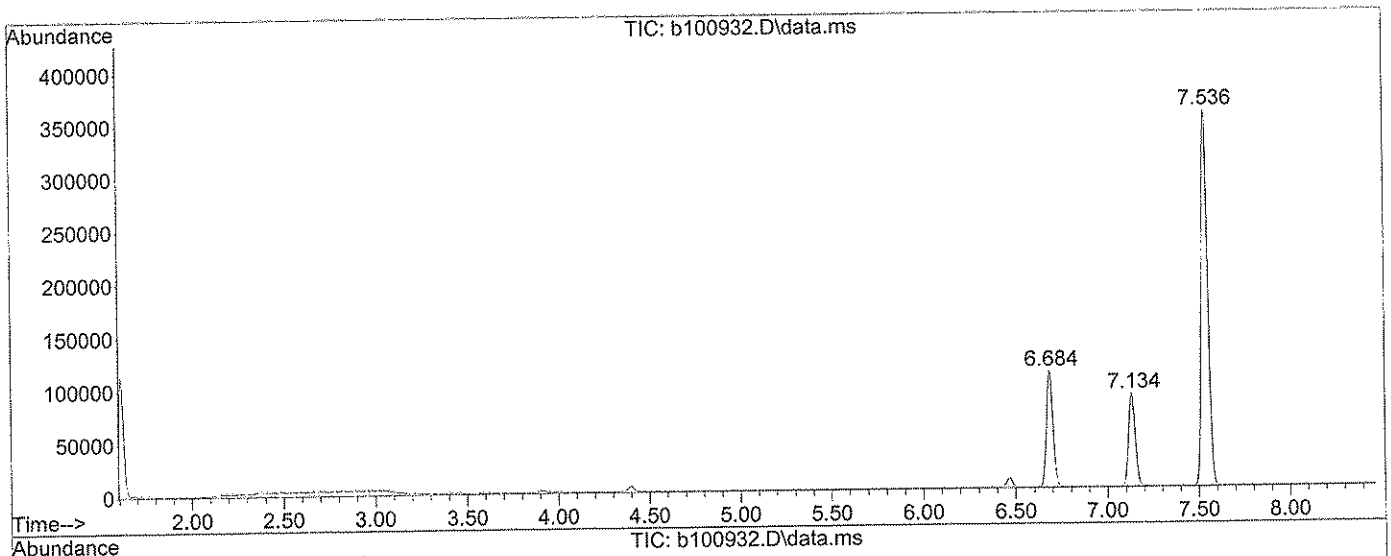
Sum of corrected areas: 4363555

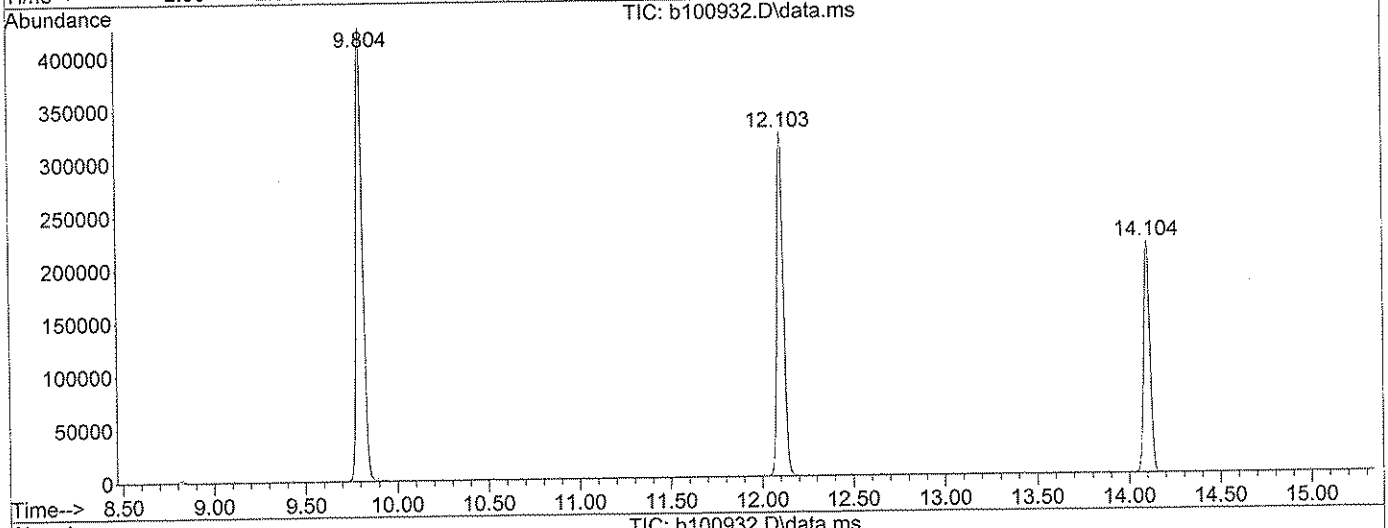
LSC Report - Integrated Chromatogram

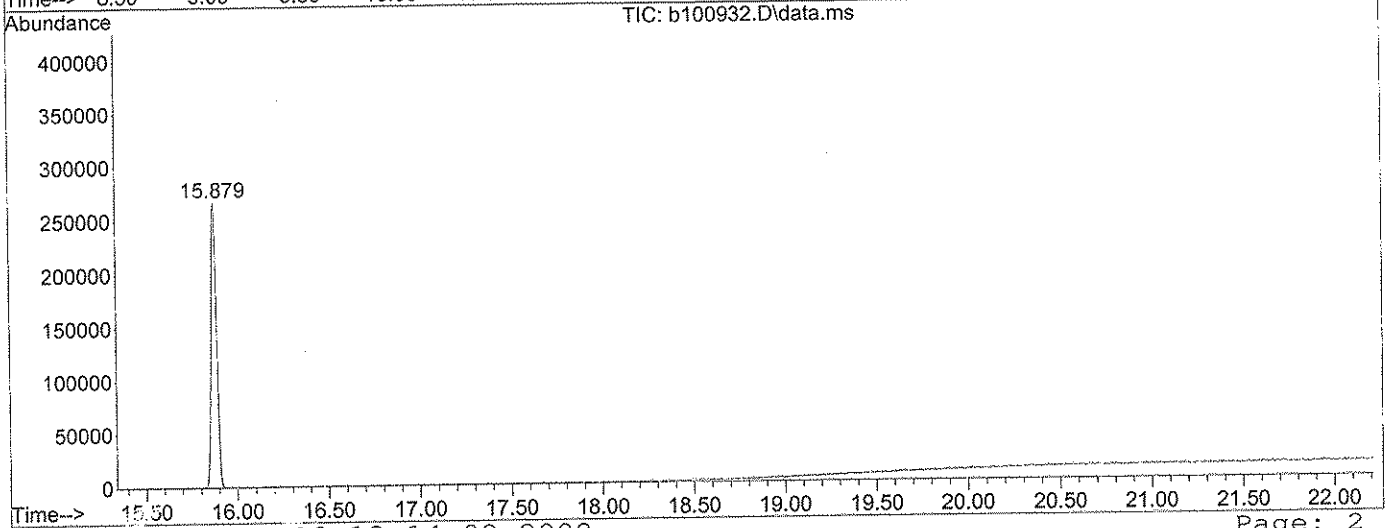
Data Path : D:\msdchem\1\data\b100907\
Data File : b100932.D
Acq On : 9 Oct 2007 11:40 pm
Operator : BR
Sample : ,SAMP,ME0710076-08A,1,
Misc : 8260+_W25
ALS Vial : 32 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P







Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b100907\\
Data File : b100933.D
Acq On : 10 Oct 2007 12:12 amm
Operator : BRR
Sample : ,SAMP,ME0710076-09A,1,,
Misc : 8260+_W255
ALS Vial : 33 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	# RT	Resp	Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b100907\
Data File : b100933.D
Acq On : 10 Oct 2007 12:12 am
Operator : BR
Sample : ,SAMP,ME0710076-09A,1,
Misc : 8260+_W25
ALS Vial : 33 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b100933.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.685	827	838	852	rVB	110580	274314	25.91%	6.358%
2	7.135	900	912	933	rBV	84786	215743	20.38%	5.000%
3	7.536	964	978	995	rBV	351891	875344	82.69%	20.289%
4	9.805	1338	1351	1365	rBV	420302	1058543	100.00%	24.535%
5	12.103	1718	1729	1747	rBB	322158	827164	78.14%	19.172%
6	14.098	2046	2057	2070	rVB	210493	517750	48.91%	12.000%
7	15.880	2339	2350	2361	rBV	262042	545577	51.54%	12.645%

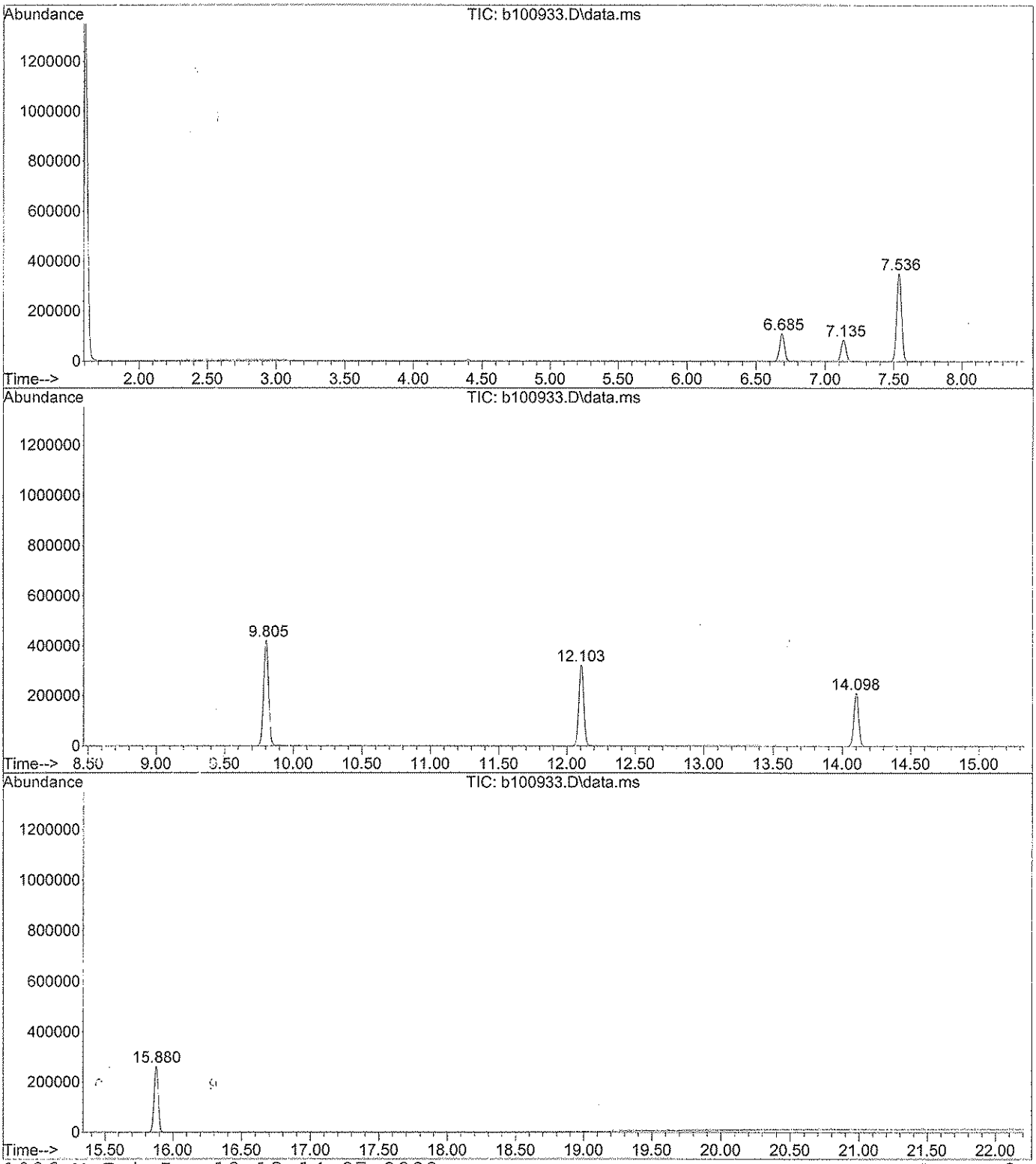
Sum of corrected areas: 4314435

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b100907\
Data File : b100933.D
Acq On : 10 Oct 2007 12:12 am
Operator : BR
Sample : ,SAMP,ME0710076-09A,1,
Misc : 8260+_W25
ALS Vial : 33 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



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LEVEL IV
QA/QC DATA PACKAGE

CLIENT:	MWH, Inc.
PROJECT:	GW - SemiAnnual / ACS
LAB WORKORDER:	ME0710172
DATE PACKAGE ISSUED:	11/13/07

TABLE OF CONTENTS

CLIENT: **MWH, Inc.**

PROJECT: **GW - SemiAnnual / ACS**

LAB WORKORDER: **ME0710172**

CHAIN-OF-CUSTODY: **79326**

CONTENTS:	Page		Page
Table of Contents	2	to	2
Case Narrative(s)	3	to	4
Analytical Report	5	to	29
Cooler Inspection	30	to	30
Chain(s) of Custody	31	to	31
Quality Control Summary	32	to	41
VOA GC/MS:			
Method Blank Raw Data	42	to	47
Laboratory Control Sample Raw Data	48	to	54
Matrix Spike/Matrix Spike Duplicate Raw Data	55	to	69
Tune Raw Data	70	to	74
Initial Calibration Raw Data	75	to	98
Continuing Calibration Raw Data	99	to	115
Sample Raw Data	116	to	142
Injection Log(s)	143	to	145

Case Narrative
VOA Analysis

Client: MWH, Inc.

Project: GW - SemiAnnual / ACS

Laboratory #: ME0710172

Eleven groundwater samples were received on 10/03/07 for analysis and reporting in accordance with our Level IV protocol. The samples were received in acceptable physical condition. Sample ACS-GW-EB-30 was received, yet not listed on the chain of custody. The samples were analyzed for Volatile Organic Analytes using SW-846 Method 8260B. To achieve lower reporting limits these samples were analyzed using a 25-ml sample size.

The samples were collected on 10/02/07. The samples were analyzed on 10/10/07 and 10/11/07. All samples were analyzed within the prescribed maximum allowable holding time without exception.

The required instrument calibration was performed and the acceptance criteria met with the following listed exception. The grand mean average approach was used to assess linearity.

- Bromoform failed to meet the minimum average response criteria. This criterion is based on a 5-ml sample size. These standards were analyzed using a 25-ml purge volume. This data is typical for a 25-ml purge and considered acceptable.

Prior to analysis, the resultant mass spectra for BFB met all method criteria, and all samples were analyzed within 12-hour analytical sequences.

Prior to analysis, a CCV standard was analyzed and the acceptance criteria met for all CCCs and SPCCs with the following exceptions.

- Bromoform failed to meet the minimum response criteria in B101002, B101019 and B101103. This criterion is based on a 5-ml sample size. These standards were analyzed using a 25-ml purge volume. This data is typical for a 25-ml purge and considered acceptable.

The batch quality control tests were performed and the acceptance criteria met without exception.

Surrogate compounds are spiked into each sample to evaluate analysis efficiency. All samples yielded acceptable surrogate recovery.

Internal standards are spiked into each CCV standard and environmental sample. All internal standard responses met the criteria established for the CCVs. The internal standard responses in the environmental samples were evaluated and deemed adequate.

Case Narrative
VOA Analysis

Client: MWH, Inc.

Project: GW - SemiAnnual / ACS

Laboratory #: ME0710172

Matrix evaluation was performed on the following client-submitted samples. The accuracy and precision criteria were met as noted.

SAMPLE ID	QC TYPE	EVALUATION
ACS-GW-MW45-30	MS/MSD	Chlorobenzene. Accuracy criteria failed. Vinyl Chloride precision failed.

This Case Narrative was prepared by Allyl McCarron, QC Assistant.

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Revised
11/05/07

November 05, 2007

Christopher Daly
MWH, Inc.
175 West Jackson Boulevard, Suite 1900
Chicago, IL 60604

Work Order No.: ME0710172

RE: GW - SemiAnnual / ACS

Dear Christopher Daly:

Microbac Laboratories, Inc. received 11 samples on 10/3/2007 2:10:00 PM for the analyses presented in the following report.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,
Microbac Laboratories, Inc.

Ronald J. Misiunas
Client Services Manager

Enclosures

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Revised
11/05/07

WORK ORDER SAMPLE SUMMARY

Date: *Monday, November 05, 2007*

CLIENT: MWH, Inc.
Project: GW - SemiAnnual / ACS
Lab Order: ME0710172

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
ME0710172-01A	ACS-GW-TB02-30		10/2/2007 8:00:00 AM	10/3/2007
ME0710172-02A	ACS-GW-MW42-30		10/2/2007 9:40:00 AM	10/3/2007
ME0710172-03A	ACS-GW-MW43-30		10/2/2007 10:45:00 AM	10/3/2007
ME0710172-04A	ACS-GW-MW45-30		10/2/2007 11:15:00 AM	10/3/2007
ME0710172-05A	ACS-GW-MW19-30		10/2/2007 12:00:00 PM	10/3/2007
ME0710172-06A	ACS-GW-DUP02-30		10/2/2007 12:30:00 PM	10/3/2007
ME0710172-07A	ACS-GW-MW10C-30		10/2/2007 2:20:00 PM	10/3/2007
ME0710172-08A	ACS-GW-MW08-30		10/2/2007 2:40:00 PM	10/3/2007
ME0710172-09A	ACS-GW-MW55-30		10/2/2007 4:05:00 PM	10/3/2007
ME0710172-10A	ACS-GW-MW54R-30		10/2/2007 4:40:00 PM	10/3/2007
ME0710172-11A	ACS-GW-EBO2-30		10/2/2007 5:05:00 PM	10/3/2007

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Revised
11/05/07

ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-TB02-30	**Work Order / ID:**	ME0710172-01
Sample Description:		**Collection Date:**	10/02/07 08:00
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/10/07 16:43
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 16:43
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/10/07 16:43
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 16:43
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/10/07 16:43
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/10/07 16:43
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/10/07 16:43
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 16:43
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 16:43
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/10/07 16:43
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 16:43
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/10/07 16:43
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/10/07 16:43
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 16:43
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 16:43
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 16:43
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 16:43
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 16:43
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 16:43
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/10/07 16:43
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 16:43
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 16:43
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/10/07 16:43
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/10/07 16:43
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/10/07 16:43
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 16:43
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 16:43
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 16:43
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 16:43
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 16:43
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 16:43
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 16:43
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/10/07 16:43
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 16:43
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 16:43
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 16:43
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 16:43
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 16:43
Surr: 4-Bromofluorobenzene	S	88.7	0	74.3-123		%REC	1	10/10/07 16:43

250 West 84th Drive, Merrillville, IN 46410 TEL.800.536.8379 TEL.219.769.8378 FAX.219.769.1664

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Revised
11/05/07

ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-TB02-30	**Work Order / ID:**	ME0710172-01
Sample Description:		**Collection Date:**	10/02/07 08:00
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	103	0	84.9-118		%REC	1	10/10/07 16:43
Surr: 1,2-Dichloroethane-d4	S	104	0	77.9-126		%REC	1	10/10/07 16:43
Surr: Toluene-d8	S	97.9	0	80.8-118		%REC	1	10/10/07 16:43

250 West 84th Drive, Merrillville, IN 46410 TEL.800.536.8379 TEL.219.769.8378 FAX.219.769.1664

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Revised
11/05/07

ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW42-30	**Work Order / ID:**	ME0710172-02
Sample Description:		**Collection Date:**	10/02/07 09:40
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/10/07 17:15
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 17:15
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/10/07 17:15
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 17:15
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/10/07 17:15
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/10/07 17:15
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/10/07 17:15
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 17:15
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 17:15
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/10/07 17:15
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 17:15
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/10/07 17:15
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/10/07 17:15
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 17:15
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 17:15
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 17:15
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 17:15
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 17:15
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 17:15
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/10/07 17:15
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 17:15
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 17:15
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/10/07 17:15
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/10/07 17:15
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/10/07 17:15
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 17:15
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 17:15
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 17:15
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 17:15
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 17:15
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 17:15
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 17:15
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/10/07 17:15
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 17:15
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 17:15
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 17:15
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 17:15
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 17:15
Surr: 4-Bromofluorobenzene	S	87.0	0	74.3-123		%REC	1	10/10/07 17:15

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW42-30	**Work Order / ID:**	ME0710172-02
Sample Description:		**Collection Date:**	10/02/07 09:40
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	105	0	84.9-118		%REC	1	10/10/07 17:15
Surr: 1,2-Dichloroethane-d4	S	107	0	77.9-126		%REC	1	10/10/07 17:15
Surr: Toluene-d8	S	97.3	0	80.8-118		%REC	1	10/10/07 17:15

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW43-30	**Work Order / ID:**	ME0710172-03
Sample Description:		**Collection Date:**	10/02/07 10:45
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/10/07 17:46
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 17:46
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/10/07 17:46
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 17:46
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/10/07 17:46
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/10/07 17:46
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/10/07 17:46
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 17:46
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 17:46
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/10/07 17:46
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 17:46
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/10/07 17:46
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/10/07 17:46
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 17:46
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 17:46
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 17:46
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 17:46
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 17:46
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 17:46
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/10/07 17:46
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 17:46
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 17:46
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/10/07 17:46
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/10/07 17:46
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/10/07 17:46
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 17:46
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 17:46
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 17:46
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 17:46
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 17:46
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 17:46
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 17:46
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/10/07 17:46
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 17:46
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 17:46
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 17:46
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 17:46
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 17:46
Surr: 4-Bromofluorobenzene	S	87.2	0	74.3-123		%REC	1	10/10/07 17:46

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW43-30	**Work Order / ID:**	ME0710172-03
Sample Description:		**Collection Date:**	10/02/07 10:45
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	105	0	84.9-118		%REC	1	10/10/07 17:46
Surr: 1,2-Dichloroethane-d4	S	105	0	77.9-126		%REC	1	10/10/07 17:46
Surr: Toluene-d8	S	98.2	0	80.8-118		%REC	1	10/10/07 17:46

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW45-30	**Work Order / ID:**	ME0710172-04
Sample Description:		**Collection Date:**	10/02/07 11:15
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/11/07 10:25
Benzene	A	***0.0004***	0.00030	0.0050	J	mg/L	1	10/11/07 10:25
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/11/07 10:25
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 10:25
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/11/07 10:25
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/11/07 10:25
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 10:25
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:25
Chlorobenzene	A	***0.014***	0.00020	0.0050		mg/L	1	10/11/07 10:25
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/11/07 10:25
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 10:25
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/11/07 10:25
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 10:25
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:25
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 10:25
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 10:25
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 10:25
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 10:25
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:25
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 10:25
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:25
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 10:25
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/11/07 10:25
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/11/07 10:25
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/11/07 10:25
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 10:25
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 10:25
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 10:25
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:25
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:25
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 10:25
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:25
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 10:25
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:25
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:25
1,2-Dichlorobenzene	A	***0.0018***	0.00020	0.010	J	mg/L	1	10/11/07 10:25
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 10:25
1,4-Dichlorobenzene	A	***0.001***	0.00020	0.010	J	mg/L	1	10/11/07 10:25
Surr: 4-Bromofluorobenzene	S	96.1	0	74.3-123		%REC	1	10/11/07 10:25

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW45-30	**Work Order / ID:**	ME0710172-04
Sample Description:		**Collection Date:**	10/02/07 11:15
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	106	0	84.9-118		%REC	1	10/11/07 10:25
Surr: 1,2-Dichloroethane-d4	S	109	0	77.9-126		%REC	1	10/11/07 10:25
Surr: Toluene-d8	S	98.5	0	80.8-118		%REC	1	10/11/07 10:25

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW19-30	**Work Order / ID:**	ME0710172-05
Sample Description:		**Collection Date:**	10/02/07 12:00
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/10/07 18:19
Benzene	A	***0.0016***	0.00030	0.0050	J	mg/L	1	10/10/07 18:19
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/10/07 18:19
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 18:19
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/10/07 18:19
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/10/07 18:19
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/10/07 18:19
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 18:19
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 18:19
Chloroethane	A	***0.0076***	0.00080	0.010	J	mg/L	1	10/10/07 18:19
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 18:19
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/10/07 18:19
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/10/07 18:19
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 18:19
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 18:19
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 18:19
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 18:19
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 18:19
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 18:19
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/10/07 18:19
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 18:19
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 18:19
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/10/07 18:19
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/10/07 18:19
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/10/07 18:19
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 18:19
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 18:19
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 18:19
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 18:19
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 18:19
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 18:19
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 18:19
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/10/07 18:19
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 18:19
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 18:19
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 18:19
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 18:19
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 18:19
Surr: 4-Bromofluorobenzene	S	90.4	0	74.3-123		%REC	1	10/10/07 18:19

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW19-30	**Work Order / ID:**	ME0710172-05
Sample Description:		**Collection Date:**	10/02/07 12:00
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	103	0	84.9-118		%REC	1	10/10/07 18:19
Surr: 1,2-Dichloroethane-d4	S	107	0	77.9-126		%REC	1	10/10/07 18:19
Surr: Toluene-d8	S	98.2	0	80.8-118		%REC	1	10/10/07 18:19

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-DUP02-30	**Work Order / ID:**	ME0710172-06
Sample Description:		**Collection Date:**	10/02/07 12:30
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/10/07 18:51
Benzene	A	***0.64***	0.0060	0.10		mg/L	20	10/10/07 23:16
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/10/07 18:51
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 18:51
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/10/07 18:51
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/10/07 18:51
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/10/07 18:51
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 18:51
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 18:51
Chloroethane	A	***0.25***	0.016	0.20		mg/L	20	10/10/07 23:16
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 18:51
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/10/07 18:51
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/10/07 18:51
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 18:51
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 18:51
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 18:51
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 18:51
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 18:51
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 18:51
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/10/07 18:51
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 18:51
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 18:51
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/10/07 18:51
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/10/07 18:51
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/10/07 18:51
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 18:51
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 18:51
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 18:51
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 18:51
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 18:51
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 18:51
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 18:51
Vinyl chloride	A	***0.00043***	0.00040	0.010	J	mg/L	1	10/10/07 18:51
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 18:51
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 18:51
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 18:51
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 18:51
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 18:51
Surr: 4-Bromofluorobenzene	S	87.9	0	74.3-123		%REC	1	10/10/07 18:51

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-DUP02-30	**Work Order / ID:**	ME0710172-06
Sample Description:		**Collection Date:**	10/02/07 12:30
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	98.6	0	84.9-118		%REC	1	10/10/07 18:51
Surr: 1,2-Dichloroethane-d4	S	84.9	0	77.9-126		%REC	1	10/10/07 18:51
Surr: Toluene-d8	S	99.1	0	80.8-118		%REC	1	10/10/07 18:51

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW10C-30	**Work Order / ID:**	ME0710172-07
Sample Description:		**Collection Date:**	10/02/07 14:20
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:			Analyst:	**NLT**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/10/07 19:23
Benzene	A	***0.67***	0.0060	0.10		mg/L	20	10/10/07 23:48
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/10/07 19:23
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 19:23
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/10/07 19:23
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/10/07 19:23
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/10/07 19:23
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 19:23
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 19:23
Chloroethane	A	***0.26***	0.016	0.20		mg/L	20	10/10/07 23:48
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 19:23
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/10/07 19:23
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/10/07 19:23
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 19:23
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 19:23
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 19:23
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 19:23
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 19:23
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 19:23
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/10/07 19:23
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 19:23
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 19:23
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/10/07 19:23
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/10/07 19:23
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/10/07 19:23
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 19:23
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 19:23
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 19:23
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 19:23
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 19:23
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 19:23
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 19:23
Vinyl chloride	A	***0.00041***	0.00040	0.010	J	mg/L	1	10/10/07 19:23
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 19:23
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 19:23
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 19:23
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 19:23
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 19:23
Surr: 4-Bromofluorobenzene	S	88.3	0	74.3-123		%REC	1	10/10/07 19:23

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW10C-30	**Work Order / ID:**	ME0710172-07
Sample Description:		**Collection Date:**	10/02/07 14:20
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	99.1	0	84.9-118		%REC	1	10/10/07 19:23
Surr: 1,2-Dichloroethane-d4	S	85.3	0	77.9-126		%REC	1	10/10/07 19:23
Surr: Toluene-d8	S	99.0	0	80.8-118		%REC	1	10/10/07 19:23

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW08-30	**Work Order / ID:**	ME0710172-08
Sample Description:		**Collection Date:**	10/02/07 14:40
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/10/07 19:55
Benzene	A	***0.00043***	0.00030	0.0050	J	mg/L	1	10/10/07 19:55
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/10/07 19:55
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 19:55
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/10/07 19:55
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/10/07 19:55
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/10/07 19:55
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 19:55
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 19:55
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/10/07 19:55
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 19:55
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/10/07 19:55
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/10/07 19:55
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 19:55
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 19:55
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 19:55
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 19:55
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 19:55
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 19:55
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/10/07 19:55
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 19:55
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 19:55
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/10/07 19:55
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/10/07 19:55
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/10/07 19:55
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 19:55
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 19:55
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 19:55
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 19:55
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 19:55
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 19:55
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 19:55
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/10/07 19:55
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 19:55
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 19:55
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 19:55
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 19:55
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 19:55
Surr: 4-Bromofluorobenzene	S	87.5	0	74.3-123		%REC	1	10/10/07 19:55

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW08-30	**Work Order / ID:**	ME0710172-08
Sample Description:		**Collection Date:**	10/02/07 14:40
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	105	0	84.9-118		%REC	1	10/10/07 19:55
Surr: 1,2-Dichloroethane-d4	S	107	0	77.9-126		%REC	1	10/10/07 19:55
Surr: Toluene-d8	S	97.9	0	80.8-118		%REC	1	10/10/07 19:55

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW55-30	**Work Order / ID:**	ME0710172-09
Sample Description:		**Collection Date:**	10/02/07 16:05
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/10/07 20:27
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 20:27
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/10/07 20:27
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 20:27
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/10/07 20:27
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/10/07 20:27
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/10/07 20:27
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 20:27
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 20:27
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/10/07 20:27
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 20:27
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/10/07 20:27
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/10/07 20:27
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 20:27
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 20:27
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 20:27
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 20:27
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 20:27
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 20:27
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/10/07 20:27
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 20:27
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 20:27
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/10/07 20:27
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/10/07 20:27
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/10/07 20:27
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 20:27
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 20:27
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 20:27
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 20:27
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 20:27
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 20:27
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 20:27
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/10/07 20:27
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 20:27
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 20:27
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 20:27
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 20:27
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 20:27
Surr: 4-Bromofluorobenzene	S	87.7	0	74.3-123		%REC	1	10/10/07 20:27

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW55-30	**Work Order / ID:**	ME0710172-09
Sample Description:		**Collection Date:**	10/02/07 16:05
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	107	0	84.9-118		%REC	1	10/10/07 20:27
Surr: 1,2-Dichloroethane-d4	S	107	0	77.9-126		%REC	1	10/10/07 20:27
Surr: Toluene-d8	S	98.2	0	80.8-118		%REC	1	10/10/07 20:27

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW54R-30	**Work Order / ID:**	ME0710172-10
Sample Description:		**Collection Date:**	10/02/07 16:40
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Acetone	A	***0.0044***	0.0020	0.050	J	mg/L	1	10/10/07 20:59
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 20:59
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/10/07 20:59
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 20:59
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/10/07 20:59
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/10/07 20:59
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/10/07 20:59
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 20:59
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 20:59
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/10/07 20:59
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 20:59
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/10/07 20:59
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/10/07 20:59
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 20:59
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 20:59
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 20:59
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 20:59
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 20:59
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 20:59
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/10/07 20:59
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 20:59
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 20:59
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/10/07 20:59
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/10/07 20:59
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/10/07 20:59
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/10/07 20:59
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 20:59
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/10/07 20:59
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 20:59
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 20:59
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/10/07 20:59
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 20:59
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/10/07 20:59
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 20:59
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/10/07 20:59
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 20:59
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 20:59
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/10/07 20:59
Surr: 4-Bromofluorobenzene	S	87.1	0	74.3-123		%REC	1	10/10/07 20:59

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11/05/07

ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW54R-30	**Work Order / ID:**	ME0710172-10
Sample Description:		**Collection Date:**	10/02/07 16:40
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	108	0	84.9-118		%REC	1	10/10/07 20:59
Surr: 1,2-Dichloroethane-d4	S	109	0	77.9-126		%REC	1	10/10/07 20:59
Surr: Toluene-d8	S	98.3	0	80.8-118		%REC	1	10/10/07 20:59

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11/05/07

ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-EBO2-30	**Work Order / ID:**	ME0710172-11
Sample Description:		**Collection Date:**	10/02/07 17:05
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Acetone	A	***0.0034***	0.0020	0.050	J	mg/L	1	10/11/07 10:57
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:57
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/11/07 10:57
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 10:57
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/11/07 10:57
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/11/07 10:57
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 10:57
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:57
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 10:57
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/11/07 10:57
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 10:57
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/11/07 10:57
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 10:57
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:57
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 10:57
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 10:57
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 10:57
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 10:57
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:57
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 10:57
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:57
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 10:57
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/11/07 10:57
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/11/07 10:57
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/11/07 10:57
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 10:57
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 10:57
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 10:57
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:57
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:57
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 10:57
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:57
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 10:57
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:57
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:57
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 10:57
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 10:57
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 10:57
Surr: 4-Bromofluorobenzene	S	91.1	0	74.3-123		%REC	1	10/11/07 10:57

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11/05/07

ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-EBO2-30	**Work Order / ID:**	ME0710172-11
Sample Description:		**Collection Date:**	10/02/07 17:05
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	104	0	84.9-118		%REC	1	10/11/07 10:57
Surr: 1,2-Dichloroethane-d4	S	108	0	77.9-126		%REC	1	10/11/07 10:57
Surr: Toluene-d8	S	101	0	80.8-118		%REC	1	10/11/07 10:57

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11/05/07

FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)

NA	=	Not Analyzed	N/A	=	Not Applicable			
mg/L	=	Milligrams per Liter (ppm)	ug/L	=	Micrograms per Liter (ppb)	cfu	=	Colony Forming Unit
mg/Kg	=	Milligrams per Kilogram (ppm)	ug/Kg	=	Micrograms per Kilogram (ppb)	ng/L	=	Nanograms per Liter (ppt)

U	=	Undetected
J	=	Analyte concentration detected between RL and MDL (Metals / Organics)
B	=	Detected in the associated Method Blank at a concentration above the routine PQL/RL
b	=	Detected in the associated Method Blank at a concentration above the Method Detection Limit but less than the routine PQL/RL
D	=	Surrogate recoveries are not calculated due to sample dilution
ND	=	Not Detected at the Reporting Limit (or the Method Detection Limit, if listed)
E	=	Value above quantitation range
H	=	Analyte was prepared and/or analyzed outside of the analytical method holding time
I	=	Matrix Interference
R	=	RPD outside accepted recovery limits
S	=	Spike recovery outside recovery limits
Surr	=	Surrogate

DF = Dilution Factor RL = Reporting Limit ST = Sample Type MDL = Method Detection Limit

SAMPLE TYPES

A	=	Analyte
I	=	Internal Standard
S	=	Surrogate
T	=	Tentatively Identified Compound (TIC, concentration estimated)

QC SAMPLE IDENTIFICATIONS

MBLK	=	Method Blank	ICSA	=	Interference Check Standard "A"	OPR	=	Ongoing Precision and Recovery Standard
DUP	=	Method Duplicate	ICSAB	=	Interference Check Standard "AB"			
LCS	=	Laboratory Control Sample	LCSD	=	Laboratory Control Sample Duplicate			
MS	=	Matrix Spike	MSD	=	Matrix Spike Duplicate			
ICB	=	Initial Calibration Blank	CCB	=	Continuing Calibration Blank			
ICV	=	Initial Calibration Verification	CCV	=	Continuing Calibration Verification			
PDS	=	Post Digestion Spike	SD	=	Serial Dilution			

CERTIFICATIONS

Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.

- Illinois EPA for the analysis wastewater and solid waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (accreditation #100435)
- Illinois Department of Public Health for the microbiological analysis of drinking water (registry #175458)
- Indiana DEM approved support laboratory for solid waste and wastewater analyses
- Indiana SDH for the chemical analysis of drinking water (lab #C-45-02)
- Indiana SDH for the microbiological analysis of drinking water (lab #M-45-08)
- Kentucky EPPC for the analysis of samples applicable to the Underground Storage Tank program (lab #0061)
- North Carolina DENR for the environmental analysis for NPDES effluent, surface water, groundwater, and pretreatment regulations (certificate #597)
- Wisconsin DNR for the chemical analysis of wastewater and solid waste (lab #998036710)

MICROBAC LOCATIONS, SERVICE CENTERS (SC) AND SATELLITE OFFICES (Sat)

Baltimore Division - Baltimore, MD
Camp Hill Division - Camp Hill, PA
Camp Hill Division (SC) - Pittston, PA
Chicagoland Division - Merrillville, IN
Chicagoland Division (SC) - Indianapolis, IN
Corona Division - Corona, CA
Erie Division - Erie, PA
Fayetteville Division - Fayetteville, NC
Hauser Division - Boulder, CO
Kentucky Division - Louisville, KY
Kentucky Division (Sat) - Evansville, IN
Kentucky Division (Sat) - Lexington, KY
Kentucky Division (Sat) - Paducah, KY
Knoxville Division - Maryville, TN
Massachusetts Division - Marlborough, MA
Microbac Corporate Office - Wexford, PA
Microbac NY - Cortland Office - Cortland, NY
Microbac NY - Waverly Office - Waverly, NY
New Castle Division - New Castle, PA
Pittsburgh Division - Warrendale, PA
Richmond Division - Richmond, VA
South Carolina Division - New Ellenton, SC
South Jersey Division - Turnersville, NJ
Southern Headquarters - Poquoson, VA
Southern Testing Division - Wilson, NC
Southern Testing Division (Sat) - Greensboro, NC
Venice Division - Venice, FL

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11/05/07

COOLER INSPECTION

Date: Monday, November 05, 2007

Client Name ***MWH, Inc.***
Work Order Number ***ME0710172***
Checklist completed by DPP | 10/3/2007 3:30:46 PM

Date / Time Received: ***10/3/2007 2:10:00 PM***
Received by: DPP
Reviewed by RJM | 10/3/2007 5:06:51 PM

Carrier name: Microbac

After-Hour Arrival?	Yes ☐	No ☑	
Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody included sufficient client identification?	Yes ☑	No ☐	
Chain of custody included sufficient sample collector information?	Yes ☑	No ☐	
Chain of custody included a sample description?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Chain of custody identified the appropriate matrix?	Yes ☑	No ☐	
Chain of custody included date of collection?	Yes ☑	No ☐	
Chain of custody included time of collection?	Yes ☑	No ☐	
Chain of custody identified the appropriate number of containers?	Yes ☐	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Chain of custody identified the appropriate preservatives (if preserved)?	Yes ☑	No ☐	
Samples properly preserved?	Yes ☑	No ☐	

If No, adjusted by? _____ Date/Time _____

Chain of custody included the requested analyses?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Samples received on ice?	Yes ☑	No ☐

Container/Temp Blank temperatures	Cooler	Temp
	1	3 ºC

VOA vials for aqueous samples have zero headspace? No VOA vials submitted ☐ Yes ☑ No ☐

ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.

General Comments:Sample ACS-GW-EBO2-30 was received but not listed on the COC.

Sample ID	Client Sample ID	Comments
ME0710172-01A	ACS-GW-TB02-30	
ME0710172-02A	ACS-GW-MW42-30	
ME0710172-03A	ACS-GW-MW43-30	
ME0710172-04A	ACS-GW-MW45-30	
ME0710172-05A	ACS-GW-MW19-30	
ME0710172-06A	ACS-GW-DUP02-30	
ME0710172-07A	ACS-GW-MW10C-30	
ME0710172-08A	ACS-GW-MW08-30	
ME0710172-09A	ACS-GW-MW55-30	
ME0710172-10A	ACS-GW-MW54R-30	
ME0710172-11A	ACS-GW-EBO2-30	

ME07100172 MONT. WATSON-IL-CHICAG 10/10/2007 RJM
GW - SemiAnnual / ACS
Christopher Daly

Page 31 of 145

Page 27 of 27

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Samples Submitted to:
[ ] 250 West 84th Drive, Merrillville, IN 46410, Tel: 219-769-8378, Fax: 219-769-1664
[ ] 5713 West 85th Street, Indianapolis, IN 46278, Tel: 317-872-1375, Fax: 317-872-1379

Chain of Custody Record

Number 79326

Instructions on back

Client Name MWH | Project ACS

Address 175 W. JACKSON BLVD SUITE 1900 | Location GRIFFITH, IN

City, State, Zip CHICAGO, IL 60604 | PO # 4050577

Contact JUSTIN FINGER | Compliance Monitoring? [ ] Yes(1) [X] No

Telephone # (312) 831-3447 | (1)Agency/Program

Turnaround Time
[X] Routine (7 working days)
[ ] RUSH* (notify lab)
(needed by)

Report Type
[ ] Results Only [ ] Level II
[ ] Level III [ ] Level III CLP-like
[ ] Level IV [ ] Level IV CLP-like
[ ] EDD

Sampled by (PRINT) JUSTIN FINGER/AMANDA MCCALLISTER/DENISE ARMBRUSTER | Sampler Signature | Sampler Phone # (312) 831-3447

Send Report via [X] Mail [ ] Telephone [ ] Fax (fax #) | [X] e-mail (address) justin.e.finger@mwhglobal.com

* **Matrix Types:** Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

** **Preservative Types:** (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analyses → Preservative Types ** ↓	VOCs	For Lab Use Only 0710172
ACS-GW-TB02-30	GW	X			10/2/07	0800	1	3	X	01A
ACS-GW-MW42-30	GW	X			10/2/07	0940	3	3	X	02A
ACS-GW-MW43-30	GW	X			10/2/07	1045	3	3	X	03A
ACS-GW-MW45-30	GW	X			10/2/07	1115	9	3	X	04A
ACS-GW-MW19-30	GW	X			10/2/07	1200	3	3	X	05A
ACS-GW-DUP02-30	GW	X			10/2/07	1230	3	3	X	06A
ACS-GW-MW10C-30	GW	X			10/2/07	1420	3	3	X	07A
ACS-GW-MW08-30	GW	X			10/2/07	1440	3	3	X	08A
ACS-GW-MW55-30	GW	X			10/2/07	1605	3	3	X	09A
ACS-GW-MW54R-30	GW	X			10/2/07	1640	3	3	X	10A
										11A

Possible Hazard Identification [ ] Hazardous [ ] Non-Hazardous [ ] Radioactive

Sample Disposition [ ] Dispose as appropriate [ ] Return [ ] Archive

Comments: MS/MSD COLLECTED WITH SAMPLE ACS-GW-MW45-30

Sample temperature upon receipt in degrees C = 3°

Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
	10/3/07 0800		10/3/07
Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
	10/3/07 1410		
Relinquished By (signature)	Date/Time	Received for Lab By (signature)	Date/Time
			10-3-07 1410

Revised 11/05/07

rev. 11/04/04

Page 1 of 1

CLIENT: MWH, Inc.
Work Order: ME0710172
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103430

Sample ID: **MBLK W-25 10/10/0** SampType: **MBLK** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ZZZZZ** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 6:31:00 AM** SeqNo: **1635319**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	0	5.0									
Benzene	0	1.0									
Bromodichloromethane	0	1.0									
Bromoform	0	1.0									
Bromomethane	0	2.0									
2-Butanone	0	2.0									
Carbon Disulfide	0	2.0									
Carbon tetrachloride	0	1.0									
Chlorobenzene	0	1.0									
Chloroethane	0	2.0									
Chloroform	0	1.0									
Chloromethane	0	2.0									
Dibromochloromethane	0	1.0									
1,1-Dichloroethane	0	1.0									
1,2-Dichloroethane	0	1.0									
1,1-Dichloroethene	0	1.0									
cis-1,2-Dichloroethene	0	1.0									
trans-1,2-Dichloroethene	0	1.0									
1,2-Dichloropropane	0	1.0									
cis-1,3-Dichloropropene	0	1.0									
trans-1,3-Dichloropropene	0	1.0									
Ethylbenzene	0	1.0									
2-Hexanone	0	2.0									
4-Methyl-2-Pentanone	0	1.0									
Methylene chloride	0	2.0									
Styrene	0	1.0									
1,1,2,2-Tetrachloroethane	0	1.0									
Tetrachloroethene	0	1.0									
Toluene	0	1.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank
H - Analyte was prepared and/or analyzed outside of the analytical method holding time

CLIENT: MWH, Inc.
Work Order: ME0710172
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103430

Sample ID: **MBLK W-25 10/10/0** SampType: **MBLK** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ZZZZZ** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 6:31:00 AM** SeqNo: **1635319**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0	1.0									
1,1,2-Trichloroethane	0	1.0									
Trichloroethene	0	1.0									
Vinyl chloride	0	2.0									
Total Xylenes	0	1.0									
Surr: 4-Bromofluorobenzene	8.94	0	10	0	89.4	74.3	123	0	0		
Surr: Dibromofluoromethane	10.52	0	10	0	105	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	10.65	0	10	0	106	77.9	126	0	0		
Surr: Toluene-d8	9.82	0	10	0	98.2	80.8	118	0	0		

Sample ID: **LCS W-10 PPB** SampType: **LCS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ZZZZZ** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 7:03:00 AM** SeqNo: **1635320**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	8.48	1.0	10	0	84.8	75.4	121	0	0		
Bromodichloromethane	8.54	1.0	10	0	85.4	69.4	121	0	0		
Bromoform	9.4	1.0	10	0	94	60	131	0	0		
Carbon tetrachloride	8.71	1.0	10	0	87.1	65.5	134	0	0		
Chlorobenzene	8.75	1.0	10	0	87.5	81.1	120	0	0		
Chloroform	9.08	1.0	10	0	90.8	74.1	123	0	0		
Chloromethane	9.46	2.0	10	0	94.6	22.5	147	0	0		
Dibromochloromethane	9.01	1.0	10	0	90.1	68.6	123	0	0		
1,1-Dichloroethane	8.49	1.0	10	0	84.9	77	132	0	0		
1,2-Dichloroethane	9.02	1.0	10	0	90.2	68	127	0	0		
1,1-Dichloroethene	7.04	1.0	10	0	70.4	47.5	153	0	0		
trans-1,2-Dichloroethene	8.12	1.0	10	0	81.2	64.5	143	0	0		
1,2-Dichloropropane	8.59	1.0	10	0	85.9	74.4	126	0	0		
cis-1,3-Dichloropropene	8.66	1.0	10	0	86.6	69.1	126	0	0		
trans-1,3-Dichloropropene	9.35	1.0	10	0	93.5	71.8	131	0	0		
Ethylbenzene	8.41	1.0	10	0	84.1	73.6	125	0	0		
Methylene chloride	8.21	2.0	10	0	82.1	37.6	135	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710172
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103430

Sample ID: **LCS W-10 PPB** SampType: **LCS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ZZZZZ** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 7:03:00 AM** SeqNo: **1635320**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	9.25	1.0	10	0	92.5	69.8	123	0	0		
Tetrachloroethene	8.69	1.0	10	0	86.9	70.1	134	0	0		
Toluene	8.39	1.0	10	0	83.9	76.4	123	0	0		
1,1,1-Trichloroethane	8.53	1.0	10	0	85.3	70.8	131	0	0		
1,1,2-Trichloroethane	9.08	1.0	10	0	90.8	67.6	127	0	0		
Trichloroethene	8.44	1.0	10	0	84.4	69.9	127	0	0		
Vinyl chloride	8.58	2.0	10	0	85.8	37.1	149	0	0		
Surr: 4-Bromofluorobenzene	9.86	0	10	0	98.6	74.3	123	0	0		
Surr: Dibromofluoromethane	10.63	0	10	0	106	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	10.37	0	10	0	104	77.9	126	0	0		
Surr: Toluene-d8	9.95	0	10	0	99.5	80.8	118	0	0		

Sample ID: **ME0710178-05AMS** SampType: **MS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ZZZZZ** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 11:03:00 A** SeqNo: **1636318**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	8.9	1.0	10	0	89	60.6	130	0	0		
Bromodichloromethane	8.95	1.0	10	0	89.5	65.8	126	0	0		
Bromoform	9.78	1.0	10	0	97.8	40.5	146	0	0		
Bromomethane	5.41	2.0	10	0	54.1	0	243	0	0		
Carbon tetrachloride	9.16	1.0	10	0	91.6	47.2	149	0	0		
Chlorobenzene	9.28	1.0	10	0	92.8	75.6	127	0	0		
Chloroethane	8.14	2.0	10	0	81.4	0	357	0	0		
Chloroform	9.55	1.0	10	0	95.5	71.2	120	0	0		
Chloromethane	7.4	2.0	10	0	74	10.8	155	0	0		
Dibromochloromethane	9.57	1.0	10	0	95.7	60.1	136	0	0		
1,1-Dichloroethane	8.93	1.0	10	0	89.3	68	119	0	0		
1,2-Dichloroethane	9.53	1.0	10	0	95.3	67.7	133	0	0		
1,1-Dichloroethene	7.04	1.0	10	0	70.4	50.1	125	0	0		
trans-1,2-Dichloroethene	8.47	1.0	10	0	84.7	56.9	132	0	0		
1,2-Dichloropropane	9.07	1.0	10	0	90.7	71.4	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710172
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103430

Sample ID: **ME0710178-05AMS** SampType: **MS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ZZZZZ** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 11:03:00 A** SeqNo: **1636318**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	8.58	1.0	10	0	85.8	66.9	134	0	0		
trans-1,3-Dichloropropene	9.55	1.0	10	0	95.5	69.9	130	0	0		
Ethylbenzene	8.86	1.0	10	0	88.6	60.6	144	0	0		
Methylene chloride	8.21	2.0	10	0	82.1	55.4	130	0	0		
1,1,2,2-Tetrachloroethane	9.24	1.0	10	0	92.4	46.8	168	0	0		
Tetrachloroethene	9.26	1.0	10	0	92.6	60.1	144	0	0		
Toluene	8.85	1.0	10	0	88.5	69.7	130	0	0		
1,1,1-Trichloroethane	9.06	1.0	10	0	90.6	63	136	0	0		
1,1,2-Trichloroethane	9.61	1.0	10	0	96.1	40.6	165	0	0		
Trichloroethene	8.7	1.0	10	0	87	48.6	139	0	0		
Vinyl chloride	7.1	2.0	10	0	71	33	151	0	0		
Surr: 4-Bromofluorobenzene	10.02	0	10	0	100	74.3	123	0	0		
Surr: Dibromofluoromethane	10.8	0	10	0	108	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	10.57	0	10	0	106	77.9	126	0	0		
Surr: Toluene-d8	10	0	10	0	100	80.8	118	0	0		

Sample ID: **ME0710178-05AMS** SampType: **MSD** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ZZZZZ** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 11:34:00 A** SeqNo: **1636319**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	9.48	1.0	10	0	94.8	60.6	130	8.9	6.31	23.7	
Bromodichloromethane	9.75	1.0	10	0	97.5	65.8	126	8.95	8.56	28.4	
Bromoform	10.73	1.0	10	0	107	40.5	146	9.78	9.26	28.8	
Bromomethane	6.48	2.0	10	0	64.8	0	243	5.41	18.0	52.8	
Carbon tetrachloride	9.79	1.0	10	0	97.9	47.2	149	9.16	6.65	31.1	
Chlorobenzene	9.9	1.0	10	0	99	75.6	127	9.28	6.47	23	
Chloroethane	8.33	2.0	10	0	83.3	0	357	8.14	2.31	29.3	
Chloroform	10.15	1.0	10	0	102	71.2	120	9.55	6.09	25	
Chloromethane	7.87	2.0	10	0	78.7	10.8	155	7.4	6.16	90.9	
Dibromochloromethane	10.41	1.0	10	0	104	60.1	136	9.57	8.41	27.1	
1,1-Dichloroethane	9.49	1.0	10	0	94.9	68	119	8.93	6.08	14.2	

Qualifiers:
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CLIENT: MWH, Inc.
Work Order: ME0710172
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103430

Sample ID: **ME0710178-05AMS** SampType: **MSD** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ZZZZZ** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 11:34:00 A** SeqNo: **1636319**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane	10.1	1.0	10	0	101	67.7	133	9.53	5.81	23.3	
1,1-Dichloroethene	7.52	1.0	10	0	75.2	50.1	125	7.04	6.59	31	
trans-1,2-Dichloroethene	9.03	1.0	10	0	90.3	56.9	132	8.47	6.40	66.1	
1,2-Dichloropropane	9.71	1.0	10	0	97.1	71.4	125	9.07	6.82	26	
cis-1,3-Dichloropropene	9.52	1.0	10	0	95.2	66.9	134	8.58	10.4	28.7	
trans-1,3-Dichloropropene	10.59	1.0	10	0	106	69.9	130	9.55	10.3	27.9	
Ethylbenzene	9.55	1.0	10	0	95.5	60.6	144	8.86	7.50	25.2	
Methylene chloride	8.93	2.0	10	0	89.3	55.4	130	8.21	8.40	28.7	
1,1,2,2-Tetrachloroethane	10.36	1.0	10	0	104	46.8	168	9.24	11.4	22.3	
Tetrachloroethene	9.87	1.0	10	0	98.7	60.1	144	9.26	6.38	29.7	
Toluene	9.47	1.0	10	0	94.7	69.7	130	8.85	6.77	25.4	
1,1,1-Trichloroethane	9.67	1.0	10	0	96.7	63	136	9.06	6.51	29	
1,1,2-Trichloroethane	10.39	1.0	10	0	104	40.6	165	9.61	7.80	25.9	
Trichloroethene	9.38	1.0	10	0	93.8	48.6	139	8.7	7.52	26.9	
Vinyl chloride	7.62	2.0	10	0	76.2	33	151	7.1	7.07	31.2	
Surr: 4-Bromofluorobenzene	9.93	0	10	0	99.3	74.3	123	0	0	0	
Surr: Dibromofluoromethane	10.75	0	10	0	108	84.9	118	0	0	0	
Surr: 1,2-Dichloroethane-d4	10.46	0	10	0	105	77.9	126	0	0	0	
Surr: Toluene-d8	9.95	0	10	0	99.5	80.8	118	0	0	0	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits
b - Analyte detected below reporting limit in the Method Blank
H - Analyte was prepared and/or analyzed outside of the analytical method holding time

CLIENT: MWH, Inc.
Work Order: ME0710172
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103497

Sample ID: **MBLK W-25 10/11/0** SampType: **MBLK** TestCode: **8260+_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011A**
Client ID: **ZZZZZ** Batch ID: **R103497** TestNo: **SW8260B** Analysis Date: **10/11/2007 8:30:00 AM** SeqNo: **1636481**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	ND	5.0									
Benzene	ND	1.0									
Bromodichloromethane	ND	1.0									
Bromoform	ND	1.0									
Bromomethane	ND	2.0									
2-Butanone	ND	2.0									
Carbon Disulfide	ND	2.0									
Carbon tetrachloride	ND	1.0									
Chlorobenzene	ND	1.0									
Chloroethane	ND	2.0									
Chloroform	ND	1.0									
Chloromethane	ND	2.0									
Dibromochloromethane	ND	1.0									
1,1-Dichloroethane	ND	1.0									
1,2-Dichloroethane	ND	1.0									
1,1-Dichloroethene	ND	1.0									
cis-1,2-Dichloroethene	ND	1.0									
trans-1,2-Dichloroethene	ND	1.0									
1,2-Dichloropropane	ND	1.0									
trans-1,3-Dichloropropene	ND	1.0									
cis-1,3-Dichloropropene	ND	1.0									
Ethylbenzene	ND	1.0									
2-Hexanone	ND	2.0									
4-Methyl-2-Pentanone	ND	1.0									
Methylene chloride	ND	2.0									
Styrene	ND	1.0									
1,1,2,2-Tetrachloroethane	ND	1.0									
Tetrachloroethene	ND	1.0									
Toluene	ND	1.0									
1,1,1-Trichloroethane	ND	1.0									
1,1,2-Trichloroethane	ND	1.0									

Qualifiers:
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R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710172
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103497

Sample ID: **MBLK W-25 10/11/0** SampType: **MBLK** TestCode: **8260+_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011A**
Client ID: **ZZZZZ** Batch ID: **R103497** TestNo: **SW8260B** Analysis Date: **10/11/2007 8:30:00 AM** SeqNo: **1636481**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	ND	1.0									
Vinyl chloride	ND	2.0									
1,2,4-Trichlorobenzene	ND	1.0									
1,2-Dichlorobenzene	ND	1.0									
1,3-Dichlorobenzene	ND	1.0									
1,4-Dichlorobenzene	ND	1.0									
Total Xylenes	ND	1.0									
Surr: 4-Bromofluorobenzene	9.22	0	10	0	92.2	74.3	123	0	0		
Surr: Dibromofluoromethane	10.55	0	10	0	106	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	10.81	0	10	0	108	77.9	126	0	0		
Surr: Toluene-d8	10.21	0	10	0	102	80.8	118	0	0		

Sample ID: **LCS W-10 PPB** SampType: **LCS** TestCode: **8260+_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011A**
Client ID: **ZZZZZ** Batch ID: **R103497** TestNo: **SW8260B** Analysis Date: **10/11/2007 9:01:00 AM** SeqNo: **1636491**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	8.84	1.0	10	0	88.4	75.4	121	0	0		
Bromodichloromethane	8.96	1.0	10	0	89.6	69.4	121	0	0		
Bromoform	9.81	1.0	10	0	98.1	60	131	0	0		
Carbon tetrachloride	8.95	1.0	10	0	89.5	65.5	134	0	0		
Chlorobenzene	9.38	1.0	10	0	93.8	81.1	120	0	0		
Chloroform	9.46	1.0	10	0	94.6	74.1	123	0	0		
Chloromethane	6.07	2.0	10	0	60.7	22.5	147	0	0		
Dibromochloromethane	9.56	1.0	10	0	95.6	68.6	123	0	0		
1,1-Dichloroethane	8.85	1.0	10	0	88.5	77	132	0	0		
1,2-Dichloroethane	9.51	1.0	10	0	95.1	68	127	0	0		
1,1-Dichloroethene	6.85	1.0	10	0	68.5	47.5	153	0	0		
trans-1,2-Dichloroethene	8.24	1.0	10	0	82.4	64.5	143	0	0		
1,2-Dichloropropane	9.22	1.0	10	0	92.2	74.4	126	0	0		
trans-1,3-Dichloropropene	10.08	1.0	10	0	101	71.8	131	0	0		
cis-1,3-Dichloropropene	9.42	1.0	10	0	94.2	69.1	126	0	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710172
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103497

Sample ID: **LCS W-10 PPB** SampType: **LCS** TestCode: **8260+_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011A**
Client ID: **ZZZZZ** Batch ID: **R103497** TestNo: **SW8260B** Analysis Date: **10/11/2007 9:01:00 AM** SeqNo: **1636491**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	9.03	1.0	10	0	90.3	73.6	125	0	0		
Methylene chloride	8.36	2.0	10	0	83.6	37.6	136	0	0		
1,1,2,2-Tetrachloroethane	9.88	1.0	10	0	98.8	69.8	123	0	0		
Tetrachloroethene	9.28	1.0	10	0	92.8	70.1	134	0	0		
Toluene	8.93	1.0	10	0	89.3	76.4	123	0	0		
1,1,1-Trichloroethane	8.94	1.0	10	0	89.4	70.8	131	0	0		
1,1,2-Trichloroethane	9.54	1.0	10	0	95.4	67.6	127	0	0		
Trichloroethene	8.73	1.0	10	0	87.3	69.9	127	0	0		
Vinyl chloride	5.82	2.0	10	0	58.2	37.1	149	0	0		
Surr: 4-Bromofluorobenzene	10.33	0	10	0	103	74.3	123	0	0		
Surr: Dibromofluoromethane	10.94	0	10	0	109	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	10.84	0	10	0	108	77.9	126	0	0		
Surr: Toluene-d8	10.3	0	10	0	103	80.8	118	0	0		

Sample ID: **ME0710172-04AMS** SampType: **MS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011A**
Client ID: **ACS-GW-MW45-30** Batch ID: **R103497** TestNo: **SW8260B** Analysis Date: **10/11/2007 12:34:00 P** SeqNo: **1637310**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	8.62	1.0	10	0	86.2	60.6	130	0	0		
Bromodichloromethane	9.22	1.0	10	0	92.2	65.8	126	0	0		
Bromoform	10.31	1.0	10	0	103	40.5	146	0	0		
Bromomethane	7.45	2.0	10	0	74.5	0	243	0	0		
Carbon tetrachloride	7.09	1.0	10	0	70.9	47.2	149	0	0		
Chlorobenzene	20.72	1.0	10	14.27	64.5	75.6	127	0	0		S
Chloroethane	9.8	2.0	10	0	98	0	357	0	0		
Chloroform	8.9	1.0	10	0	89	71.2	120	0	0		
Chloromethane	12.46	2.0	10	0	125	10.8	155	0	0		
Dibromochloromethane	9.7	1.0	10	0	97	60.1	136	0	0		
1,1-Dichloroethane	8.41	1.0	10	0	84.1	68	119	0	0		
1,2-Dichloroethane	10.1	1.0	10	0	101	67.7	133	0	0		
1,1-Dichloroethene	6.94	1.0	10	0	69.4	50.1	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710172
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103497

Sample ID: **ME0710172-04AMS** SampType: **MS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011A**
Client ID: **ACS-GW-MW45-30** Batch ID: **R103497** TestNo: **SW8260B** Analysis Date: **10/11/2007 12:34:00 P** SeqNo: **1637310**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	7.81	1.0	10	0	78.1	56.9	132	0	0		
1,2-Dichloropropane	9.02	1.0	10	0	90.2	71.4	125	0	0		
cis-1,3-Dichloropropene	8.86	1.0	10	0	88.6	66.9	134	0	0		
trans-1,3-Dichloropropene	9.51	1.0	10	0	95.1	69.9	130	0	0		
Ethylbenzene	7.84	1.0	10	0	78.4	60.6	144	0	0		
Methylene chloride	8.77	2.0	10	0	87.7	55.4	130	0	0		
1,1,2,2-Tetrachloroethane	10.4	1.0	10	0	104	46.8	168	0	0		
Tetrachloroethene	7.2	1.0	10	0	72	60.1	144	0	0		
Toluene	7.81	1.0	10	0	78.1	69.7	130	0	0		
1,1,1-Trichloroethane	7.35	1.0	10	0	73.5	63	136	0	0		
1,1,2-Trichloroethane	10.16	1.0	10	0	102	40.6	165	0	0		
Trichloroethene	7.55	1.0	10	0	75.5	48.6	139	0	0		
Vinyl chloride	10.79	2.0	10	0	108	33	151	0	0		
Surr: 4-Bromofluorobenzene	10.3	0	10	0	103	74.3	123	0	0		
Surr: Dibromofluoromethane	10.95	0	10	0	110	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	10.89	0	10	0	109	77.9	126	0	0		
Surr: Toluene-d8	10.08	0	10	0	101	80.8	118	0	0		

Sample ID: **ME0710172-04AMS** SampType: **MSD** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011A**
Client ID: **ACS-GW-MW45-30** Batch ID: **R103497** TestNo: **SW8260B** Analysis Date: **10/11/2007 1:06:00 PM** SeqNo: **1637311**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	9.53	1.0	10	0	95.3	60.6	130	8.62	10.0	23.7	
Bromodichloromethane	9.81	1.0	10	0	98.1	65.8	126	9.22	6.20	28.4	
Bromoform	10.83	1.0	10	0	108	40.5	146	10.31	4.92	28.8	
Bromomethane	7.2	2.0	10	0	72	0	243	7.45	3.41	52.8	
Carbon tetrachloride	7.79	1.0	10	0	77.9	47.2	149	7.09	9.41	31.1	
Chlorobenzene	21.17	1.0	10	14.27	69	75.6	127	20.72	2.15	23	S
Chloroethane	7.43	2.0	10	0	74.3	0	357	9.8	27.5	29.3	
Chloroform	9.7	1.0	10	0	97	71.2	120	8.9	8.60	25	
Chloromethane	9.52	2.0	10	0	95.2	10.8	155	12.46	26.8	90.9	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710172
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103497

Sample ID: **ME0710172-04AMS** SampType: **MSD** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011A**
Client ID: **ACS-GW-MW45-30** Batch ID: **R103497** TestNo: **SW8260B** Analysis Date: **10/11/2007 1:06:00 PM** SeqNo: **1637311**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	9.91	1.0	10	0	99.1	60.1	136	9.7	2.14	27.1	
1,1-Dichloroethane	9.29	1.0	10	0	92.9	68	119	8.41	9.94	14.2	
1,2-Dichloroethane	10.28	1.0	10	0	103	67.7	133	10.1	1.77	23.3	
1,1-Dichloroethene	7.82	1.0	10	0	78.2	50.1	125	6.94	11.9	31	
trans-1,2-Dichloroethene	8.68	1.0	10	0	86.8	56.9	132	7.81	10.6	66.1	
1,2-Dichloropropane	9.8	1.0	10	0	98	71.4	125	9.02	8.29	26	
cis-1,3-Dichloropropene	9.54	1.0	10	0	95.4	66.9	134	8.86	7.39	28.7	
trans-1,3-Dichloropropene	9.99	1.0	10	0	99.9	69.9	130	9.51	4.92	27.9	
Ethylbenzene	8.69	1.0	10	0	86.9	60.6	144	7.84	10.3	25.2	
Methylene chloride	9.03	2.0	10	0	90.3	55.4	130	8.77	2.92	28.7	
1,1,2,2-Tetrachloroethane	10.72	1.0	10	0	107	46.8	168	10.4	3.03	22.3	
Tetrachloroethene	8.12	1.0	10	0	81.2	60.1	144	7.2	12.0	29.7	
Toluene	8.64	1.0	10	0	86.4	69.7	130	7.81	10.1	25.4	
1,1,1-Trichloroethane	8.24	1.0	10	0	82.4	63	136	7.35	11.4	29	
1,1,2-Trichloroethane	10.4	1.0	10	0	104	40.6	165	10.16	2.33	25.9	
Trichloroethene	8.52	1.0	10	0	85.2	48.6	139	7.55	12.1	26.9	
Vinyl chloride	7.29	2.0	10	0	72.9	33	151	10.79	38.7	31.2	R
Surr: 4-Bromofluorobenzene	10.23	0	10	0	102	74.3	123	0	0	0	
Surr: Dibromofluoromethane	10.77	0	10	0	108	84.9	118	0	0	0	
Surr: 1,2-Dichloroethane-d4	10.79	0	10	0	108	77.9	126	0	0	0	
Surr: Toluene-d8	10.16	0	10	0	102	80.8	118	0	0	0	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

VOA GC/MS
RAW DATA

METHOD BLANK RAW DATA

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101003.D
Acq On : 10 Oct 2007 6:31 am
Operator : NLT
Sample : ,MBLK,MBLK W-25 10/10/07,1,
Misc : 8260_W25
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 10 07:21:18 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.535	96	437233	10.00	ug/L	0.00
35) chlorobenzene-d5	12.102	117	290597	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.873	152	100811	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.684	113	86597	10.52	ug/L	0.00
Spiked Amount 10.000			Recovery =	105.20%		
26) 1,2-dichloroethane-d4	7.134	65	76390	10.65	ug/L	0.00
Spiked Amount 10.000			Recovery =	106.50%		
38) toluene-d8	9.804	98	415404	9.82	ug/L	0.00
Spiked Amount 10.000			Recovery =	98.20%		
56) 4-bromofluorobenzene	14.097	95	115278	8.94	ug/L	0.00
Spiked Amount 10.000			Recovery =	89.40%		
Target Compounds						Qvalue

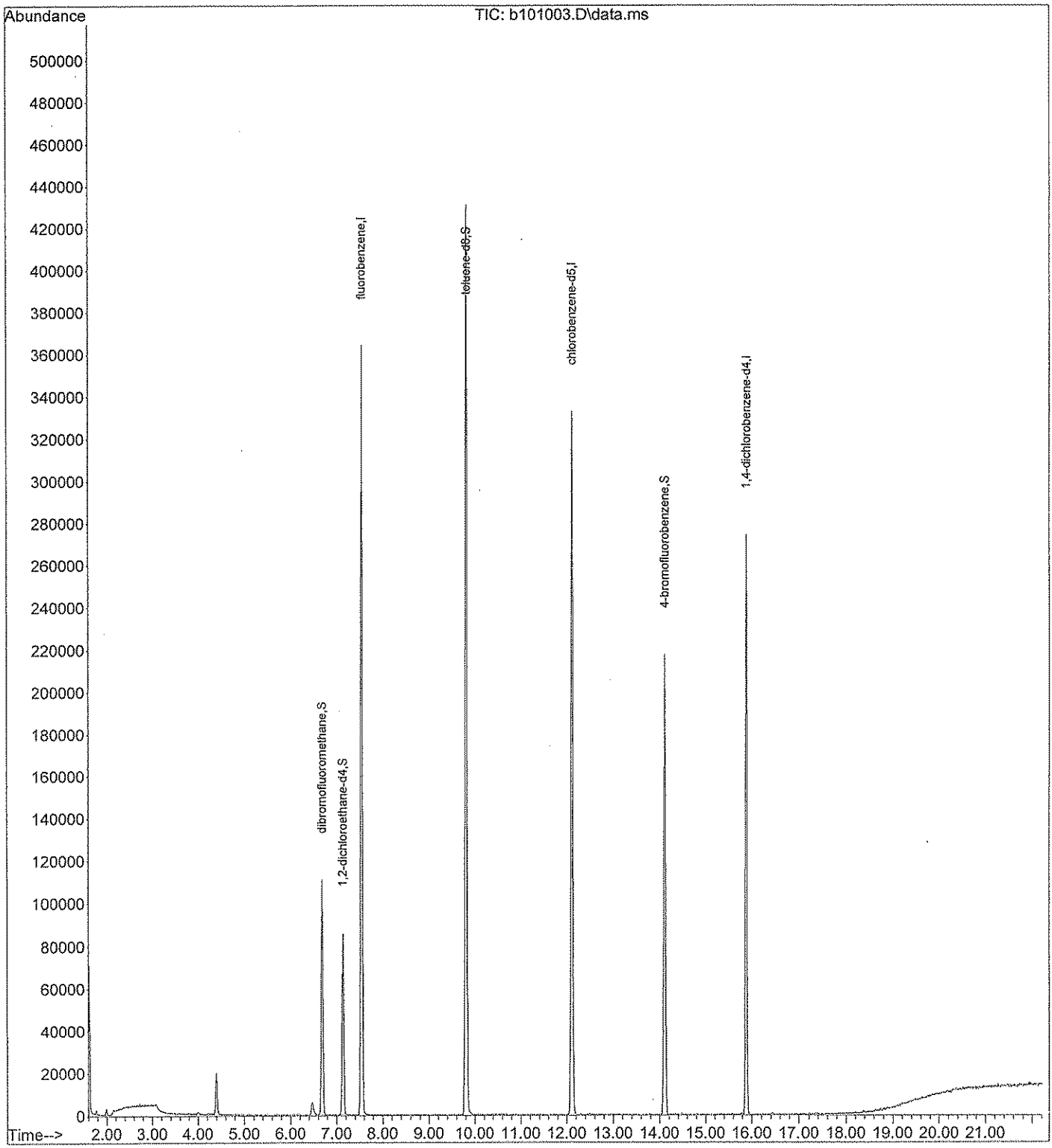
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101003.D
Acq On : 10 Oct 2007 6:31 am
Operator : NLT
Sample : ,MBLK,MBLK W-25 10/10/07,1,
Misc : 8260_W25
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 10 07:21:18 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101104.D
Acq On : 11 Oct 2007 8:30 am
Operator : NLT
Sample : ,MBLK,MBLK W-25 10/11/07,1,
Misc : 8260+_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 11 09:07:41 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	438010	10.00	ug/L	0.00
35) chlorobenzene-d5	12.108	117	286274	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.879	152	98167	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.684	113	87014	10.55	ug/L	0.00
Spiked Amount 10.000			Recovery =	105.50%		
26) 1,2-dichloroethane-d4	7.134	65	77638	10.81	ug/L	0.00
Spiked Amount 10.000			Recovery =	108.10%		
38) toluene-d8	9.804	98	425343	10.21	ug/L	0.00
Spiked Amount 10.000			Recovery =	102.10%		
56) 4-bromofluorobenzene	14.103	95	117157	9.22	ug/L	0.00
Spiked Amount 10.000			Recovery =	92.20%		

Target Compounds Qvalue

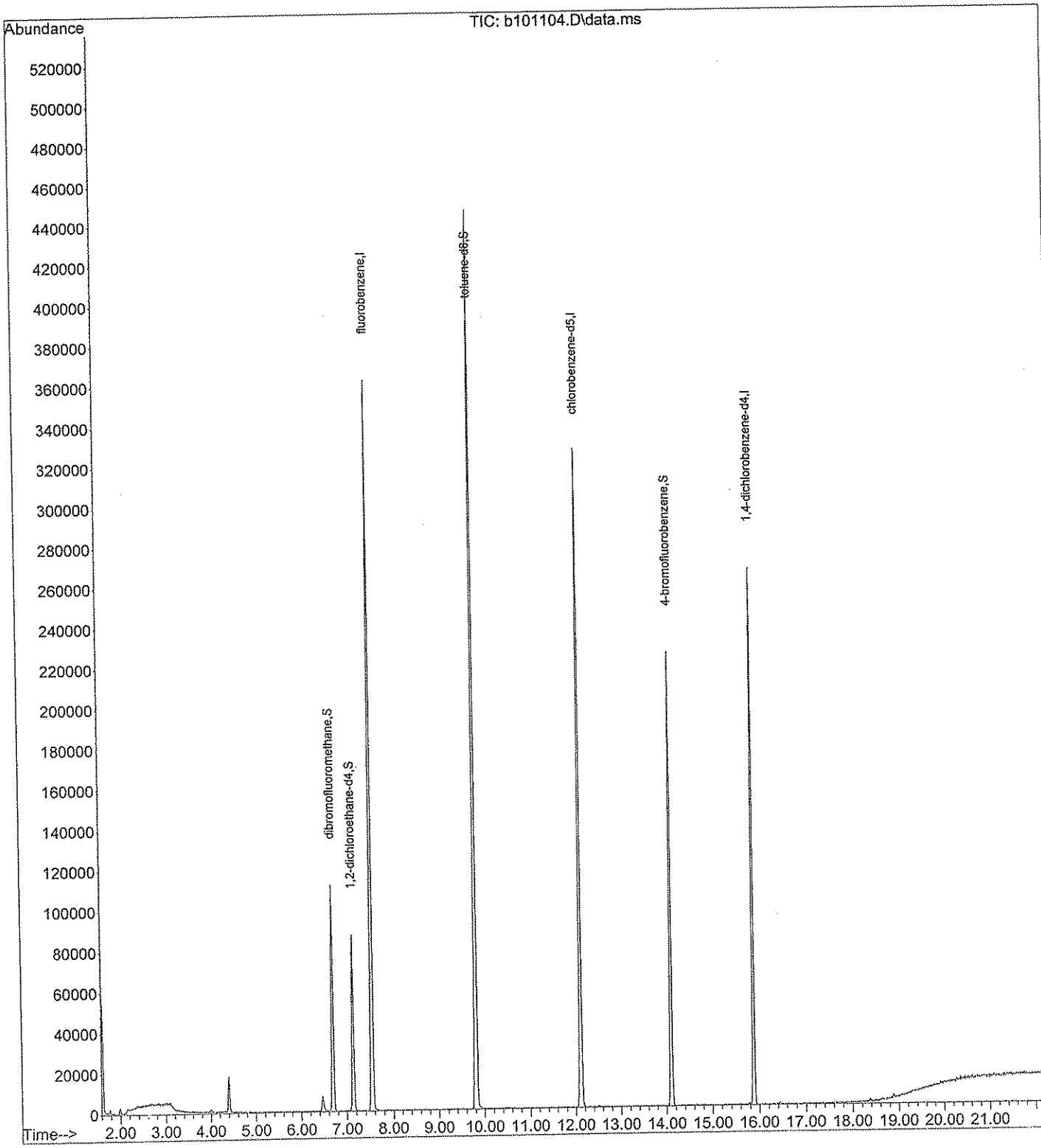
(#) = qualifier out of range (m) = manual integration (+) = signals summed

10/11/07
MT

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101104.D
Acq On : 11 Oct 2007 8:30 am
Operator : NLT
Sample : ,MBLK,MBLK W-25 10/11/07,1,
Misc : 8260+_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 11 09:07:41 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



LABORATORY CONTROL SAMPLE RAW DATA

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101004.D
Acq On : 10 Oct 2007 7:03 am
Operator : NLT
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 07:26:07 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	444606	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	299663	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	140791	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.683	113	88959	10.63	ug/L		0.00
Spiked Amount 10.000			Recovery =	106.30%			
26) 1,2-dichloroethane-d4	7.127	65	75604	10.37	ug/L		0.00
Spiked Amount 10.000			Recovery =	103.70%			
38) toluene-d8	9.803	98	434197	9.95	ug/L		0.00
Spiked Amount 10.000			Recovery =	99.50%			
56) 4-bromofluorobenzene	14.097	95	131085	9.86	ug/L		0.00
Spiked Amount 10.000			Recovery =	98.60%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	48783	7.26	ug/L		99
3) chloromethane	2.055	50	111649	9.46	ug/L		98
4) vinyl chloride	2.195	62	106090	8.58	ug/L		98
5) bromomethane	2.621	94	26284	6.57	ug/L		95
6) chloroethane	2.755	64	63895	8.77	ug/L		99
7) trichlorofluoromethane	3.059	101	144729	10.55	ug/L	#	100
9) 1,1-dichloroethene	3.734	96	75924	7.04	ug/L		97
10) acetone	3.898	43	10530	9.82	ug/L		98
11) carbon disulfide	4.002	76	231804	6.91	ug/L		100
12) methylene chloride	4.397	84	100868	8.21	ug/L		99
13) acrylonitrile	4.768	53	14953	13.46	ug/L		95
14) trans-1,2-dichloroethene	4.707	96	99965	8.12	ug/L		99
15) methyl-t-butyl ether	4.695	73	139212	9.05	ug/L		99
16) acetonitrile	4.287	41	7220	14.45	ug/L		98
17) 1,1-dichloroethane	5.266	63	188739	8.49	ug/L		100
18) vinyl acetate	5.333	43	88994	14.11	ug/L		98
19) cis-1,2-dichloroethene	6.033	96	104281	8.14	ug/L		97
20) 2,2-dichloropropane	5.990	77	146546	8.39	ug/L		100
21) 2-butanone	6.106	72	3468	11.00	ug/L		87
22) chloroform	6.464	83	173261	9.08	ug/L		100
24) 1,1,1-trichloroethane	6.641	97	147831	8.53	ug/L		99
25) carbon tetrachloride	6.848	117	124069	8.71	ug/L		97
27) benzene	7.152	78	428655	8.48	ug/L		100
28) 1,1-dichloropropene	6.860	75	134501	8.27	ug/L		100
29) 1,2-dichloroethane	7.237	62	88657	9.02	ug/L		98
30) trichloroethene	8.040	95	103321	8.44	ug/L		98
31) 1,2-dichloropropane	8.392	63	96154	8.59	ug/L		99
32) dibromomethane	8.593	93	31641	8.87	ug/L		96
33) bromodichloromethane	8.818	83	98250	8.54	ug/L		97
34) 2-chloroethyl vinyl ether	9.238	63	12351	7.50	ug/L		98
36) cis-1,3-dichloropropene	9.450	75	117496	8.66	ug/L		98
37) 4-methyl-2-pentanone	9.688	43	32538	10.05	ug/L	#	88
39) toluene	9.900	92	275547	8.39	ug/L		97
40) 1,1,2-trichloroethane	10.612	83	41632	9.08	ug/L		97
41) 1,3-dichloropropane	10.861	76	90699	8.71	ug/L		99
42) tetrachloroethene	10.727	164	89408	8.69	ug/L		97
43) trans-1,3-dichloropropene	10.320	75	83011	9.35	ug/L		98
44) 2-hexanone	10.983	43	18432	9.45	ug/L		91

10/10/07

Data Path : D:\msdchem\1\data\b101007\
Data File : b101004.D
Acq On : 10 Oct 2007 7:03 am
Operator : NLT
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 07:26:07 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

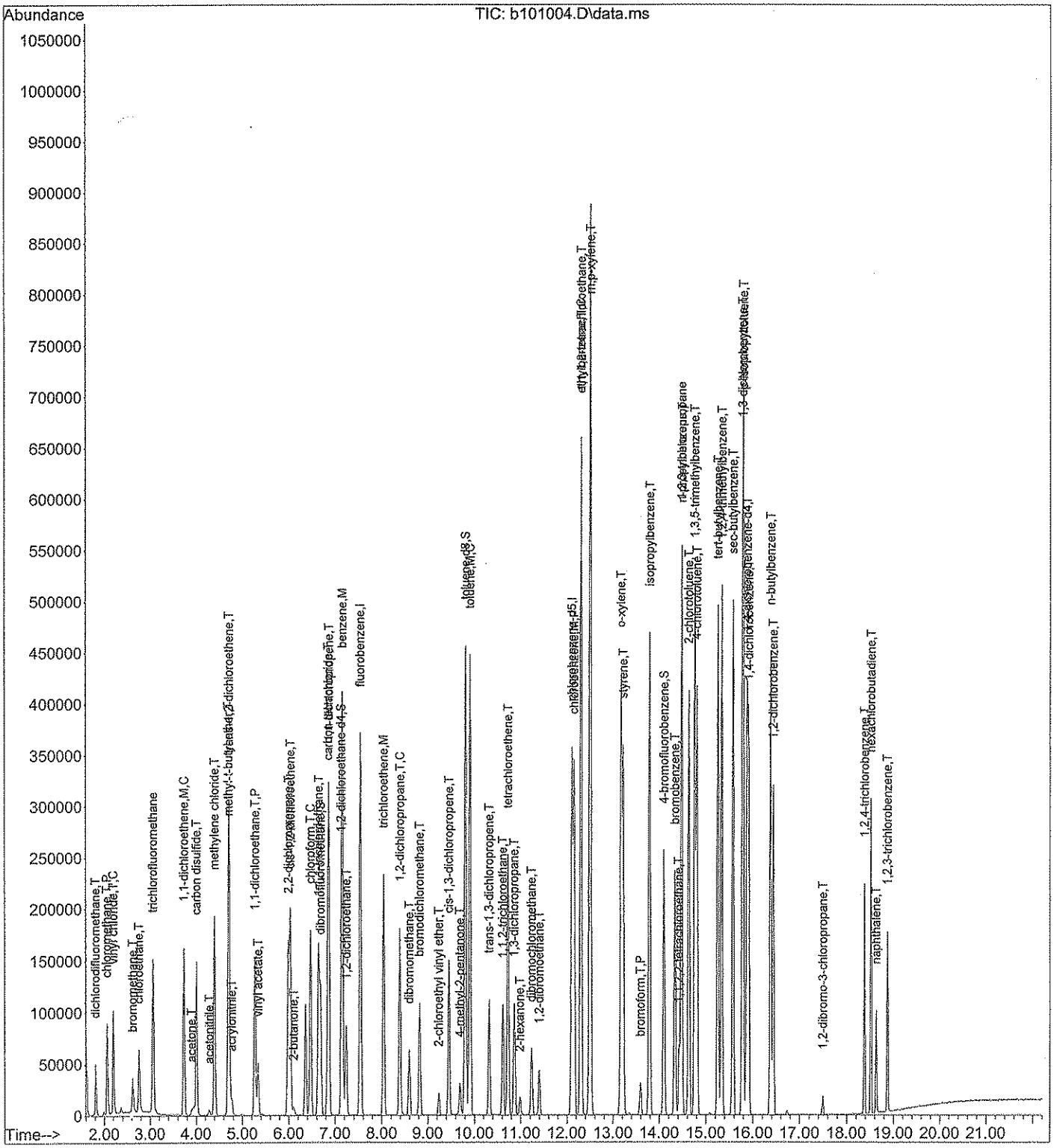
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) dibromochloromethane	11.232	129	49985	9.01	ug/L	98
46) 1,2-dibromoethane	11.396	107	43442	9.09	ug/L	98
47) chlorobenzene	12.150	112	283207	8.75	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.303	131	84576	9.10	ug/L	99
49) ethylbenzene	12.296	91	506396	8.41	ug/L	99
50) m,p-xylene	12.497	106	413785	16.86	ug/L	99
51) o-xylene	13.166	106	187924	8.33	ug/L	99
52) styrene	13.215	104	278248	8.51	ug/L	98
53) isopropylbenzene	13.786	105	483528	9.44	ug/L	100
54) bromobenzene	14.334	156	99606	8.84	ug/L	96
55) bromoform	13.592	173	23016	9.40	ug/L	95
57) 1,2,3-trichloropropane	14.474	110	14781	9.37	ug/L	98
58) n-propylbenzene	14.480	91	572702	8.67	ug/L	100
59) 2-chlorotoluene	14.632	91	336995	8.56	ug/L	98
60) 4-chlorotoluene	14.808	91	393280	8.88	ug/L	99
61) 1,3,5-trimethylbenzene	14.759	105	409124	8.63	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.419	83	47036	9.25	ug/L	97
64) tert-butylbenzene	15.252	119	334776	8.02	ug/L	100
65) sec-butylbenzene	15.574	105	474311	7.83	ug/L	100
66) 1,2,4-trimethylbenzene	15.337	105	396565	7.98	ug/L	100
67) 1,3-dichlorobenzene	15.775	146	208017	8.68	ug/L	99
68) p-isopropyltoluene	15.793	119	410950	8.57	ug/L	100
69) 1,4-dichlorobenzene	15.909	146	202613	8.73	ug/L	99
70) 1,2-dichlorobenzene	16.432	146	171809	9.00	ug/L	99
71) n-butylbenzene	16.371	91	307770	8.20	ug/L	98
72) 1,2-dibromo-3-chloropr...	17.490	75	5219	9.39	ug/L	95
73) 1,2,4-trichlorobenzene	18.378	180	73421	8.80	ug/L	99
74) hexachlorobutadiene	18.518	225	64572	8.63	ug/L	98
75) naphthalene	18.633	128	79139	7.79	ug/L	100
76) 1,2,3-trichlorobenzene	18.870	180	53983	9.54	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101004.D
Acq On : 10 Oct 2007 7:03 am
Operator : NLT
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 07:26:07 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101105.D
Acq On : 11 Oct 2007 9:01 am
Operator : NLT
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260+_W25
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 11 09:31:41 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.538	96	444589	10.00	ug/L		0.00
35) chlorobenzene-d5	12.105	117	296530	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.875	152	141497	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.686	113	91571	10.94	ug/L		0.00
Spiked Amount 10.000			Recovery =	109.40%			
26) 1,2-dichloroethane-d4	7.130	65	79060	10.84	ug/L		0.00
Spiked Amount 10.000			Recovery =	108.40%			
38) toluene-d8	9.800	98	444759	10.30	ug/L		0.00
Spiked Amount 10.000			Recovery =	103.00%			
56) 4-bromofluorobenzene	14.093	95	135948	10.33	ug/L		0.00
Spiked Amount 10.000			Recovery =	103.30%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.809	85	23010	3.42	ug/L		99
3) chloromethane	2.058	50	71691	6.07	ug/L		99
4) vinyl chloride	2.192	62	71895	5.82	ug/L		98
5) bromomethane	2.624	94	18646	4.66	ug/L		95
6) chloroethane	2.758	64	49662	6.82	ug/L		100
7) trichlorofluoromethane	3.062	101	104376	7.61	ug/L	#	99
9) 1,1-dichloroethene	3.731	96	73859	6.85	ug/L		96
10) acetone	3.895	43	9747	9.09	ug/L		98
11) carbon disulfide	3.998	76	233266	6.96	ug/L		100
12) methylene chloride	4.400	84	102705	8.36	ug/L		98
13) acrylonitrile	4.764	53	14451	13.01	ug/L		92
14) trans-1,2-dichloroethene	4.710	96	101413	8.24	ug/L		97
15) methyl-t-butyl ether	4.698	73	140829	9.16	ug/L		96
16) acetonitrile	4.290	41	6375	12.76	ug/L		93
17) 1,1-dichloroethane	5.269	63	196789	8.85	ug/L		98
18) vinyl acetate	5.336	43	85100	13.49	ug/L		98
19) cis-1,2-dichloroethene	6.029	96	108960	8.51	ug/L		98
20) 2,2-dichloropropane	5.993	77	151229	8.66	ug/L		100
21) 2-butanone	6.102	72	3202	10.15	ug/L		94
22) chloroform	6.467	83	180451	9.46	ug/L		97
24) 1,1,1-trichloroethane	6.644	97	154930	8.94	ug/L		100
25) carbon tetrachloride	6.844	117	127469	8.95	ug/L		97
27) benzene	7.154	78	446947	8.84	ug/L		99
28) 1,1-dichloropropene	6.856	75	140151	8.61	ug/L		100
29) 1,2-dichloroethane	7.233	62	93437	9.51	ug/L		97
30) trichloroethene	8.042	95	106891	8.73	ug/L		96
31) 1,2-dichloropropane	8.389	63	103216	9.22	ug/L		96
32) dibromomethane	8.596	93	33643	9.44	ug/L		98
33) bromodichloromethane	8.821	83	103033	8.96	ug/L		100
34) 2-chloroethyl vinyl ether	9.240	63	12445	7.56	ug/L		98
36) cis-1,3-dichloropropene	9.453	75	126529	9.42	ug/L		97
37) 4-methyl-2-pentanone	9.684	43	31730	9.90	ug/L		93
39) toluene	9.903	92	290238	8.93	ug/L		98
40) 1,1,2-trichloroethane	10.609	83	43296	9.54	ug/L		97
41) 1,3-dichloropropane	10.864	76	96222	9.34	ug/L		100
42) tetrachloroethene	10.724	164	94513	9.28	ug/L		98
43) trans-1,3-dichloropropene	10.317	75	88614	10.08	ug/L		99
44) 2-hexanone	10.992	43	18021	9.34	ug/L		91

10/11/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101105.D
Acq On : 11 Oct 2007 9:01 am
Operator : NLT
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260+_W25
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 11 09:31:41 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

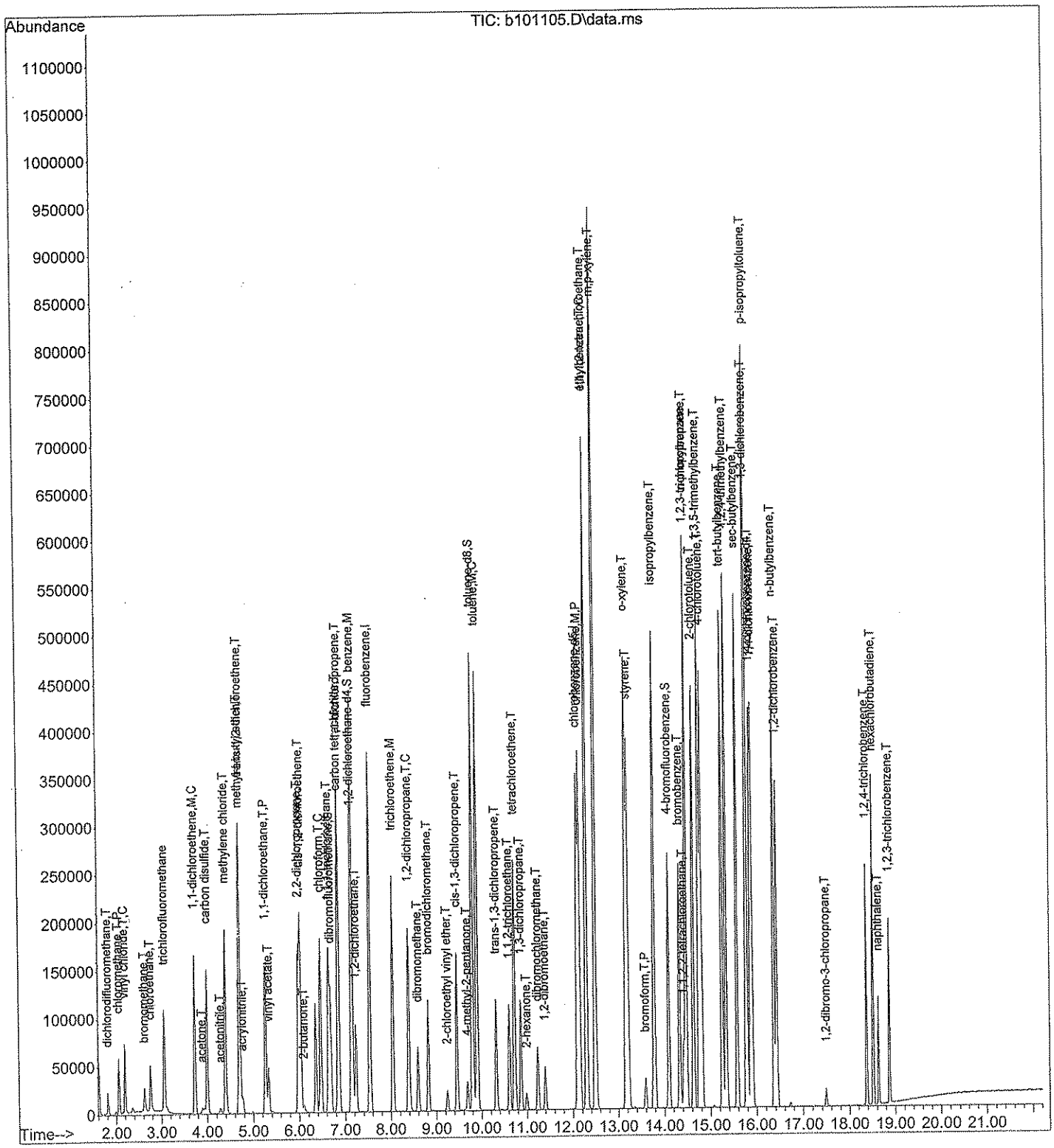
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) dibromochloromethane	11.229	129	52447	9.56 ug/L	98
46) 1,2-dibromoethane	11.393	107	45323	9.59 ug/L	100
47) chlorobenzene	12.147	112	300480	9.38 ug/L	99
48) 1,1,1,2-tetrachloroethane	12.299	131	89538	9.74 ug/L	100
49) ethylbenzene	12.299	91	537776	9.03 ug/L	99
50) m,p-xylene	12.494	106	440880	18.15 ug/L	100
51) o-xylene	13.169	106	201581	9.03 ug/L	99
52) styrene	13.218	104	298130	9.21 ug/L	97
53) isopropylbenzene	13.783	105	518997	10.24 ug/L	100
54) bromobenzene	14.336	156	107299	9.63 ug/L	96
55) bromoform	13.595	173	23756	9.81 ug/L	96
57) 1,2,3-trichloropropane	14.470	110	15922	10.20 ug/L	100
58) n-propylbenzene	14.476	91	617339	9.45 ug/L	100
59) 2-chlorotoluene	14.634	91	363359	9.32 ug/L	99
60) 4-chlorotoluene	14.811	91	419097	9.57 ug/L	99
61) 1,3,5-trimethylbenzene	14.762	105	439259	9.37 ug/L	100
63) 1,1,2,2-tetrachloroethane	14.422	83	50491	9.88 ug/L	100
64) tert-butylbenzene	15.255	119	365047	8.70 ug/L	99
65) sec-butylbenzene	15.577	105	513131	8.43 ug/L	100
66) 1,2,4-trimethylbenzene	15.340	105	428106	8.57 ug/L	100
67) 1,3-dichlorobenzene	15.772	146	227526	9.45 ug/L	98
68) p-isopropyltoluene	15.790	119	445712	9.25 ug/L	99
69) 1,4-dichlorobenzene	15.905	146	217016	9.30 ug/L	99
70) 1,2-dichlorobenzene	16.435	146	185337	9.66 ug/L	97
71) n-butylbenzene	16.374	91	336367	8.92 ug/L	99
72) 1,2-dibromo-3-chloropr...	17.493	75	5539	9.91 ug/L	98
73) 1,2,4-trichlorobenzene	18.374	180	81570	9.73 ug/L	96
74) hexachlorobutadiene	18.520	225	70761	9.41 ug/L	99
75) naphthalene	18.636	128	88640	8.68 ug/L	100
76) 1,2,3-trichlorobenzene	18.873	180	60000	10.55 ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101105.D
Acq On : 11 Oct 2007 9:01 am
Operator : NLT
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260+_W25
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 11 09:31:41 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



MATRIX SPIKE/MATRIX SPIKE DUPLICATE RAW DATA

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101005.D
Acq On : 10 Oct 2007 7:51 am
Operator : NLT
Sample : ,SAMP,ME0710178-05A,1,
Misc : 8260+_W25
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 10 08:46:35 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.538	96	448430	10.00	ug/L	0.00
35) chlorobenzene-d5	12.105	117	287228	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.876	152	93034	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.687	113	85676	10.15	ug/L	0.00
Spiked Amount 10.000			Recovery =	101.50%		
26) 1,2-dichloroethane-d4	7.131	65	73369	9.98	ug/L	0.00
Spiked Amount 10.000			Recovery =	99.80%		
38) toluene-d8	9.801	98	421105	10.07	ug/L	0.00
Spiked Amount 10.000			Recovery =	100.70%		
56) 4-bromofluorobenzene	14.100	95	110118	8.64	ug/L	0.00
Spiked Amount 10.000			Recovery =	86.40%		
Target Compounds						Qvalue

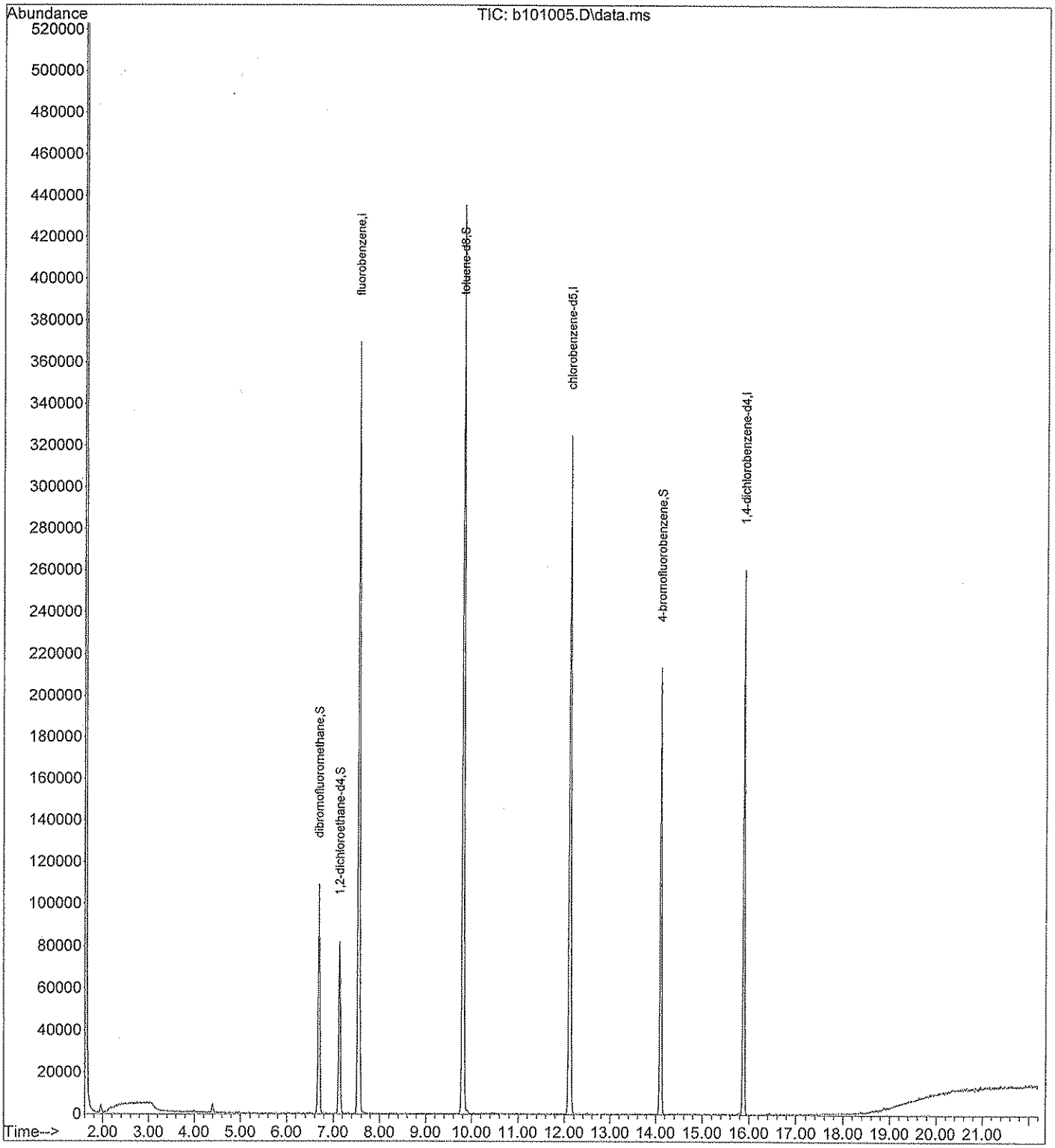
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JW 10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101005.D
Acq On : 10 Oct 2007 7:51 am
Operator : NLT
Sample : ,SAMP,ME0710178-05A,1,
Misc : 8260+_W25
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 10 08:46:35 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101011.D
Acq On : 10 Oct 2007 11:03 am
Operator : NLT
Sample : ,MS,ME0710178-05AMS,1,
Misc : 8260+_W25
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 10 11:55:31 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.541	96	428953	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	287811	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	139894	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.683	113	87257	10.80	ug/L		0.00
Spiked Amount 10.000			Recovery =	108.00%			
26) 1,2-dichloroethane-d4	7.133	65	74381	10.57	ug/L		0.00
Spiked Amount 10.000			Recovery =	105.70%			
38) toluene-d8	9.803	98	418870	10.00	ug/L		0.00
Spiked Amount 10.000			Recovery =	100.00%			
56) 4-bromofluorobenzene	14.096	95	127966	10.02	ug/L		0.00
Spiked Amount 10.000			Recovery =	100.20%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	32436	5.00	ug/L		100
3) chloromethane	2.055	50	84231	7.40	ug/L		99
4) vinyl chloride	2.195	62	84742	7.10	ug/L		98
5) bromomethane	2.621	94	20894	5.41	ug/L		99
6) chloroethane	2.761	64	57243	8.14	ug/L		98
7) trichlorofluoromethane	3.059	101	119973	9.07	ug/L	#	99
9) 1,1-dichloroethene	3.734	96	73211	7.04	ug/L		97
10) acetone	3.898	43	10560	10.21	ug/L		86
11) carbon disulfide	4.001	76	261743	8.09	ug/L		98
12) methylene chloride	4.397	84	97301	8.21	ug/L		99
13) acrylonitrile	4.768	53	14094	13.15	ug/L		98
14) trans-1,2-dichloroethene	4.707	96	100590	8.47	ug/L		96
15) methyl-t-butyl ether	4.695	73	138979	9.37	ug/L		98
16) acetonitrile	4.281	41	6131	12.72	ug/L	#	86
17) 1,1-dichloroethane	5.266	63	191552	8.93	ug/L		98
18) vinyl acetate	5.333	43	83691	13.75	ug/L		99
19) cis-1,2-dichloroethene	6.033	96	105233	8.52	ug/L		96
20) 2,2-dichloropropane	5.984	77	140702	8.35	ug/L		99
21) 2-butanone	6.106	72	3047	10.02	ug/L		95
22) chloroform	6.464	83	175748	9.55	ug/L		99
24) 1,1,1-trichloroethane	6.641	97	151526	9.06	ug/L		98
25) carbon tetrachloride	6.841	117	125910	9.16	ug/L		99
27) benzene	7.152	78	434121	8.90	ug/L		100
28) 1,1-dichloropropene	6.860	75	135272	8.62	ug/L		100
29) 1,2-dichloroethane	7.237	62	90312	9.53	ug/L		97
30) trichloroethene	8.039	95	102771	8.70	ug/L		98
31) 1,2-dichloropropane	8.386	63	97968	9.07	ug/L		98
32) dibromomethane	8.593	93	32461	9.44	ug/L		96
33) bromodichloromethane	8.818	83	99371	8.95	ug/L		99
36) cis-1,3-dichloropropene	9.456	75	111914	8.58	ug/L		98
37) 4-methyl-2-pentanone	9.687	43	28852	9.28	ug/L		94
39) toluene	9.900	92	278994	8.85	ug/L		98
40) 1,1,2-trichloroethane	10.612	83	42325	9.61	ug/L		98
41) 1,3-dichloropropane	10.867	76	90483	9.05	ug/L		99
42) tetrachloroethene	10.727	164	91514	9.26	ug/L		97
43) trans-1,3-dichloropropene	10.320	75	81439	9.55	ug/L		98
44) 2-hexanone	10.989	43	16653	8.89	ug/L		97
45) dibromochloromethane	11.232	129	50964	9.57	ug/L		99

JW 10/10/07

Data Path : D:\msdchem\1\data\b101007\
Data File : b101011.D
Acq On : 10 Oct 2007 11:03 am
Operator : NLT
Sample : ,MS,ME0710178-05AMS,1,
Misc : 8260+_W25
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 10 11:55:31 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

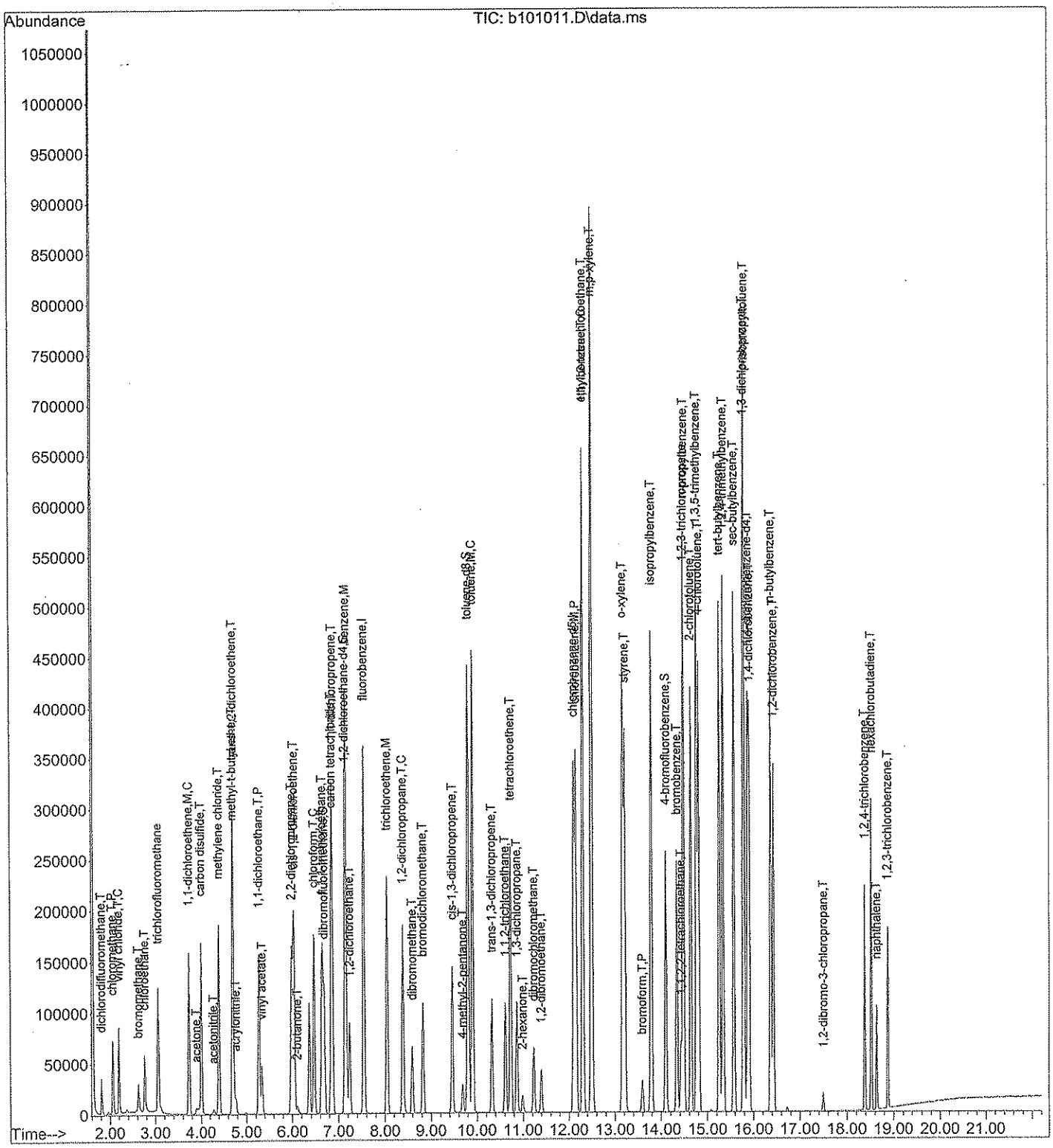
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,2-dibromoethane	11.396	107	43867	9.56	ug/L	98
47) chlorobenzene	12.150	112	288576	9.28	ug/L	98
48) 1,1,1,2-tetrachloroethane	12.302	131	87179	9.77	ug/L	100
49) ethylbenzene	12.302	91	512178	8.86	ug/L	99
50) m,p-xylene	12.491	106	424240	18.00	ug/L	99
51) o-xylene	13.166	106	192624	8.89	ug/L	99
52) styrene	13.215	104	283522	9.02	ug/L	99
53) isopropylbenzene	13.786	105	495395	10.07	ug/L	100
54) bromobenzene	14.334	156	101955	9.42	ug/L	96
55) bromoform	13.592	173	23002	9.78	ug/L	97
57) 1,2,3-trichloropropane	14.467	110	14920	9.85	ug/L	99
58) n-propylbenzene	14.480	91	585091	9.23	ug/L	99
59) 2-chlorotoluene	14.632	91	346310	9.15	ug/L	99
60) 4-chlorotoluene	14.808	91	403795	9.50	ug/L	99
61) 1,3,5-trimethylbenzene	14.759	105	415756	9.13	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.425	83	46654	9.24	ug/L	99
64) tert-butylbenzene	15.252	119	344730	8.31	ug/L	99
65) sec-butylbenzene	15.574	105	481524	8.00	ug/L	100
66) 1,2,4-trimethylbenzene	15.337	105	403422	8.17	ug/L	100
67) 1,3-dichlorobenzene	15.775	146	215701	9.06	ug/L	100
68) p-isopropyltoluene	15.793	119	420491	8.83	ug/L	100
69) 1,4-dichlorobenzene	15.909	146	208362	9.04	ug/L	99
70) 1,2-dichlorobenzene	16.432	146	176939	9.33	ug/L	99
71) n-butylbenzene	16.371	91	306037	8.21	ug/L	99
72) 1,2-dibromo-3-chloropr...	17.496	75	5064	9.17	ug/L	91
73) 1,2,4-trichlorobenzene	18.378	180	72744	8.77	ug/L	96
74) hexachlorobutadiene	18.518	225	62372	8.39	ug/L	100
75) naphthalene	18.633	128	80301	7.96	ug/L	100
76) 1,2,3-trichlorobenzene	18.870	180	53651	9.54	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101011.D
Acq On : 10 Oct 2007 11:03 am
Operator : NLT
Sample : ,MS,ME0710178-05AMS,1,
Misc : 8260+_W25
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 10 11:55:31 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101012.D
Acq On : 10 Oct 2007 11:34 am
Operator : NLT
Sample : ,MSD,ME0710178-05AMSD,1,
Misc : 8260+_W25
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 10 15:22:31 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	440386	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	294108	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	141700	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.683	113	89153	10.75	ug/L		0.00
Spiked Amount 10.000			Recovery =	107.50%			
26) 1,2-dichloroethane-d4	7.133	65	75570	10.46	ug/L		0.00
Spiked Amount 10.000			Recovery =	104.60%			
38) toluene-d8	9.803	98	426226	9.95	ug/L		0.00
Spiked Amount 10.000			Recovery =	99.50%			
56) 4-bromofluorobenzene	14.097	95	129567	9.93	ug/L		0.00
Spiked Amount 10.000			Recovery =	99.30%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	32038	4.81	ug/L		100
3) chloromethane	2.056	50	92017	7.87	ug/L		100
4) vinyl chloride	2.195	62	93269	7.62	ug/L		96
5) bromomethane	2.621	94	25691	6.48	ug/L		97
6) chloroethane	2.755	64	60105	8.33	ug/L		98
7) trichlorofluoromethane	3.059	101	125050	9.21	ug/L	#	99
9) 1,1-dichloroethene	3.734	96	80244	7.52	ug/L		96
10) acetone	3.892	43	11307	10.65	ug/L		87
11) carbon disulfide	4.002	76	270626	8.15	ug/L		99
12) methylene chloride	4.397	84	108737	8.93	ug/L		98
13) acrylonitrile	4.768	53	14864	13.51	ug/L		98
14) trans-1,2-dichloroethene	4.713	96	110035	9.03	ug/L		92
15) methyl-t-butyl ether	4.695	73	153376	10.07	ug/L		97
16) acetonitrile	4.281	41	5998	12.12	ug/L	#	80
17) 1,1-dichloroethane	5.267	63	208945	9.49	ug/L		99
18) vinyl acetate	5.333	43	88520	14.17	ug/L		100
19) cis-1,2-dichloroethene	6.027	96	115490	9.11	ug/L		96
20) 2,2-dichloropropane	5.990	77	153714	8.89	ug/L		98
21) 2-butanone	6.100	72	3560	11.40	ug/L		91
22) chloroform	6.465	83	191736	10.15	ug/L		98
24) 1,1,1-trichloroethane	6.641	97	166033	9.67	ug/L		99
25) carbon tetrachloride	6.848	117	138151	9.79	ug/L		97
27) benzene	7.152	78	474779	9.48	ug/L		100
28) 1,1-dichloropropene	6.860	75	148373	9.20	ug/L		99
29) 1,2-dichloroethane	7.237	62	98285	10.10	ug/L		98
30) trichloroethene	8.040	95	113757	9.38	ug/L		99
31) 1,2-dichloropropane	8.392	63	107712	9.71	ug/L		97
32) dibromomethane	8.593	93	35857	10.15	ug/L		96
33) bromodichloromethane	8.818	83	111065	9.75	ug/L		99
36) cis-1,3-dichloropropene	9.450	75	126803	9.52	ug/L		99
37) 4-methyl-2-pentanone	9.682	43	31740	9.99	ug/L	#	90
39) toluene	9.900	92	305170	9.47	ug/L		98
40) 1,1,2-trichloroethane	10.612	83	46773	10.39	ug/L		98
41) 1,3-dichloropropane	10.861	76	100506	9.84	ug/L		100
42) tetrachloroethene	10.728	164	99674	9.87	ug/L		97
43) trans-1,3-dichloropropene	10.320	75	92315	10.59	ug/L		99
44) 2-hexanone	10.989	43	18348	9.59	ug/L		96
45) dibromochloromethane	11.232	129	56628	10.41	ug/L		98

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101012.D
Acq On : 10 Oct 2007 11:34 am
Operator : NLT
Sample : ,MSD,ME0710178-05AMSD,1,
Misc : 8260+_W25
ALS Vial : 12 Sample Multiplier: 1

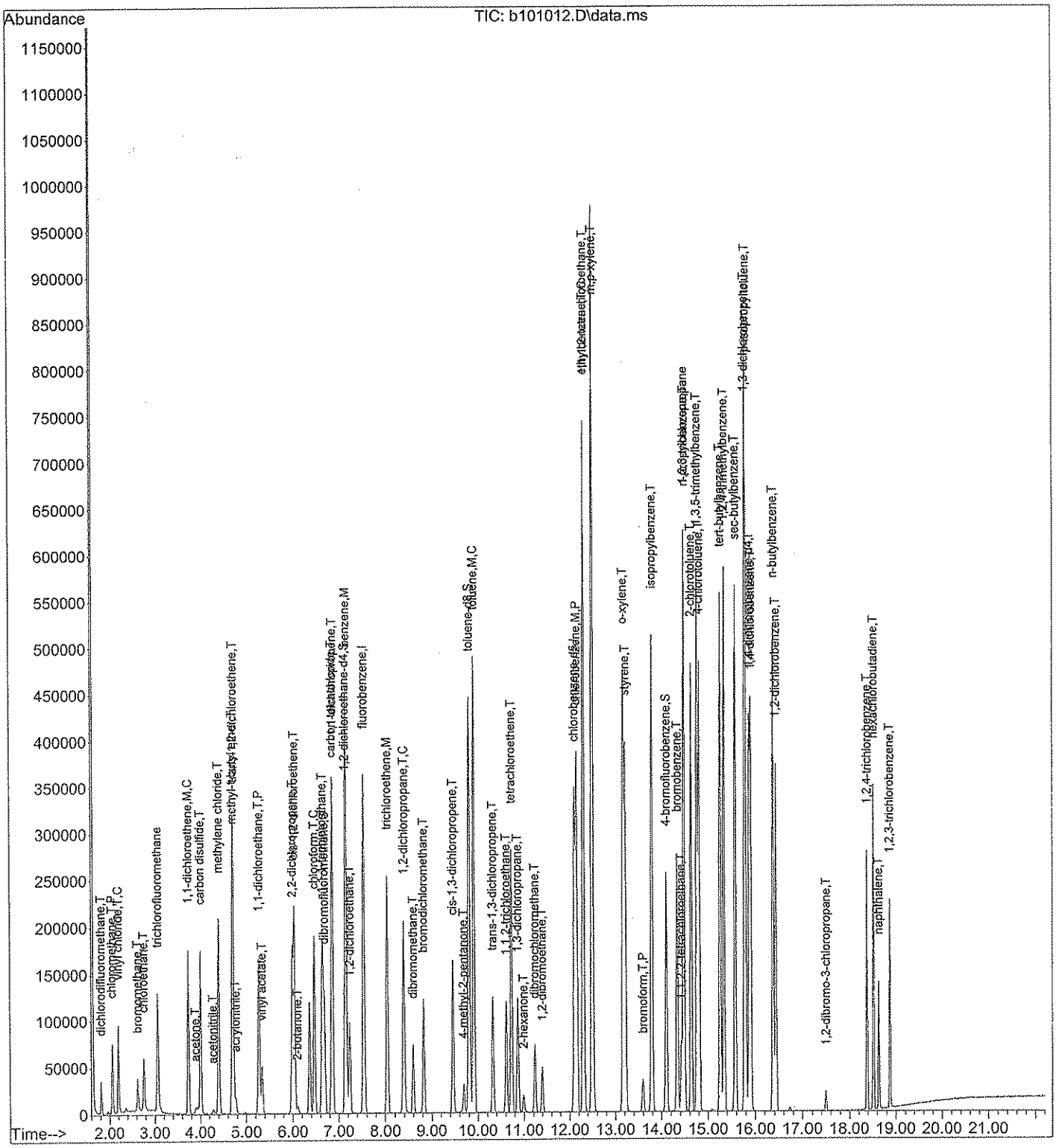
Quant Time: Oct 10 15:22:31 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,2-dibromoethane	11.397	107	48253	10.29	ug/L	99
47) chlorobenzene	12.151	112	314778	9.90	ug/L	98
48) 1,1,1,2-tetrachloroethane	12.303	131	95826	10.50	ug/L	100
49) ethylbenzene	12.303	91	564309	9.55	ug/L	99
50) m,p-xylene	12.497	106	460707	19.13	ug/L	100
51) o-xylene	13.166	106	210255	9.49	ug/L	99
52) styrene	13.215	104	312058	9.72	ug/L	99
53) isopropylbenzene	13.786	105	543898	10.81	ug/L	99
54) bromobenzene	14.334	156	112138	10.14	ug/L	97
55) bromoform	13.598	173	25791	10.73	ug/L	98
57) 1,2,3-trichloropropane	14.474	110	16451	10.63	ug/L	100
58) n-propylbenzene	14.480	91	644292	9.94	ug/L	100
59) 2-chlorotoluene	14.632	91	380725	9.85	ug/L	99
60) 4-chlorotoluene	14.808	91	437364	10.06	ug/L	98
61) 1,3,5-trimethylbenzene	14.759	105	452695	9.73	ug/L	99
63) 1,1,2,2-tetrachloroethane	14.419	83	52982	10.36	ug/L	96
64) tert-butylbenzene	15.252	119	379709	9.03	ug/L	100
65) sec-butylbenzene	15.574	105	535607	8.78	ug/L	100
66) 1,2,4-trimethylbenzene	15.337	105	445047	8.90	ug/L	100
67) 1,3-dichlorobenzene	15.775	146	236868	9.83	ug/L	99
68) p-isopropyltoluene	15.793	119	466168	9.66	ug/L	100
69) 1,4-dichlorobenzene	15.909	146	228208	9.77	ug/L	99
70) 1,2-dichlorobenzene	16.432	146	194174	10.11	ug/L	100
71) n-butylbenzene	16.371	91	355619	9.42	ug/L	98
72) 1,2-dibromo-3-chloropr...	17.496	75	5650	10.10	ug/L	88
73) 1,2,4-trichlorobenzene	18.378	180	91200	10.86	ug/L	98
74) hexachlorobutadiene	18.518	225	73357	9.74	ug/L	99
75) naphthalene	18.633	128	109027	10.66	ug/L	100
76) 1,2,3-trichlorobenzene	18.870	180	68109	11.96	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\msdchem\1\data\b101007\
Data File : b101012.D
Acq On : 10 Oct 2007 11:34 am
Operator : NLT
Sample : ,MSD,ME0710178-05AMSD,1,
Misc : 8260+_W25
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 10 15:22:31 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101111.D
Acq On : 11 Oct 2007 12:34 pm
Operator : NLT
Sample : ,MS,ME071017-04AMS,1,
Misc : 8260+_W25 JW 10/11/07
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 11 16:07:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	428445	10.00	ug/L	0.00
35) chlorobenzene-d5	12.102	117	292683	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.873	152	138715	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.684	113	88350	10.95	ug/L	0.00
Spiked Amount 10.000			Recovery =	109.50%		
26) 1,2-dichloroethane-d4	7.134	65	76515	10.89	ug/L	0.00
Spiked Amount 10.000			Recovery =	108.90%		
38) toluene-d8	9.804	98	429590	10.08	ug/L	0.00
Spiked Amount 10.000			Recovery =	100.80%		
56) 4-bromofluorobenzene	14.097	95	133748	10.30	ug/L	0.00
Spiked Amount 10.000			Recovery =	103.00%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.813	85	97296	15.03	ug/L	99
3) chloromethane	2.062	50	141724	12.46	ug/L	97
4) vinyl chloride	2.196	62	128517	10.79	ug/L	99
5) bromomethane	2.621	94	28746	7.45	ug/L	99
6) chloroethane	2.761	64	68783	9.80	ug/L	99
7) trichlorofluoromethane	3.065	101	150670	11.40	ug/L #	100
9) 1,1-dichloroethene	3.734	96	72104	6.94	ug/L	99
10) acetone	3.899	43	11178	10.82	ug/L	94
11) carbon disulfide	4.002	76	240701	7.45	ug/L	100
12) methylene chloride	4.397	84	103836	8.77	ug/L	100
13) acrylonitrile	4.768	53	15417	14.40	ug/L	98
14) trans-1,2-dichloroethene	4.713	96	92602	7.81	ug/L	96
15) methyl-t-butyl ether	4.695	73	148134	10.00	ug/L	100
16) acetonitrile	4.288	41	7219	14.99	ug/L	98
17) 1,1-dichloroethane	5.267	63	180060	8.41	ug/L	100
18) vinyl acetate	5.334	43	85232	14.02	ug/L	99
19) cis-1,2-dichloroethene	6.033	96	105945	8.59	ug/L	96
20) 2,2-dichloropropane	5.991	77	120063	7.14	ug/L	98
21) 2-butanone	6.100	72	3436	11.31	ug/L	94
22) chloroform	6.465	83	163555	8.90	ug/L	99
24) 1,1,1-trichloroethane	6.641	97	122799	7.35	ug/L	99
25) carbon tetrachloride	6.848	117	97329	7.09	ug/L	100
27) benzene	7.152	78	419672	8.62	ug/L	100
28) 1,1-dichloropropene	6.860	75	106127	6.77	ug/L	99
29) 1,2-dichloroethane	7.237	62	95602	10.10	ug/L	96
30) trichloroethene	8.046	95	88992	7.55	ug/L	99
31) 1,2-dichloropropane	8.393	63	97320	9.02	ug/L	96
32) dibromomethane	8.593	93	35537	10.34	ug/L	98
33) bromodichloromethane	8.824	83	102240	9.22	ug/L	97
36) cis-1,3-dichloropropene	9.457	75	117403	8.86	ug/L	99
37) 4-methyl-2-pentanone	9.682	43	32577	10.30	ug/L	95
39) toluene	9.907	92	250375	7.81	ug/L	97
40) 1,1,2-trichloroethane	10.612	83	45531	10.16	ug/L	96
41) 1,3-dichloropropane	10.868	76	99025	9.74	ug/L	99
42) tetrachloroethene	10.728	164	72324	7.20	ug/L	96
43) trans-1,3-dichloropropene	10.320	75	82521	9.51	ug/L	99
44) 2-hexanone	10.983	43	18732	9.84	ug/L	95
45) dibromochloromethane	11.233	129	52534	9.70	ug/L	99

JW 10/11/07 Page: 1

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101111.D
Acq On : 11 Oct 2007 12:34 pm
Operator : NLT
Sample : ,MS,ME0710174-04AMS,1,
Misc : 8260+_W25
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 11 16:07:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

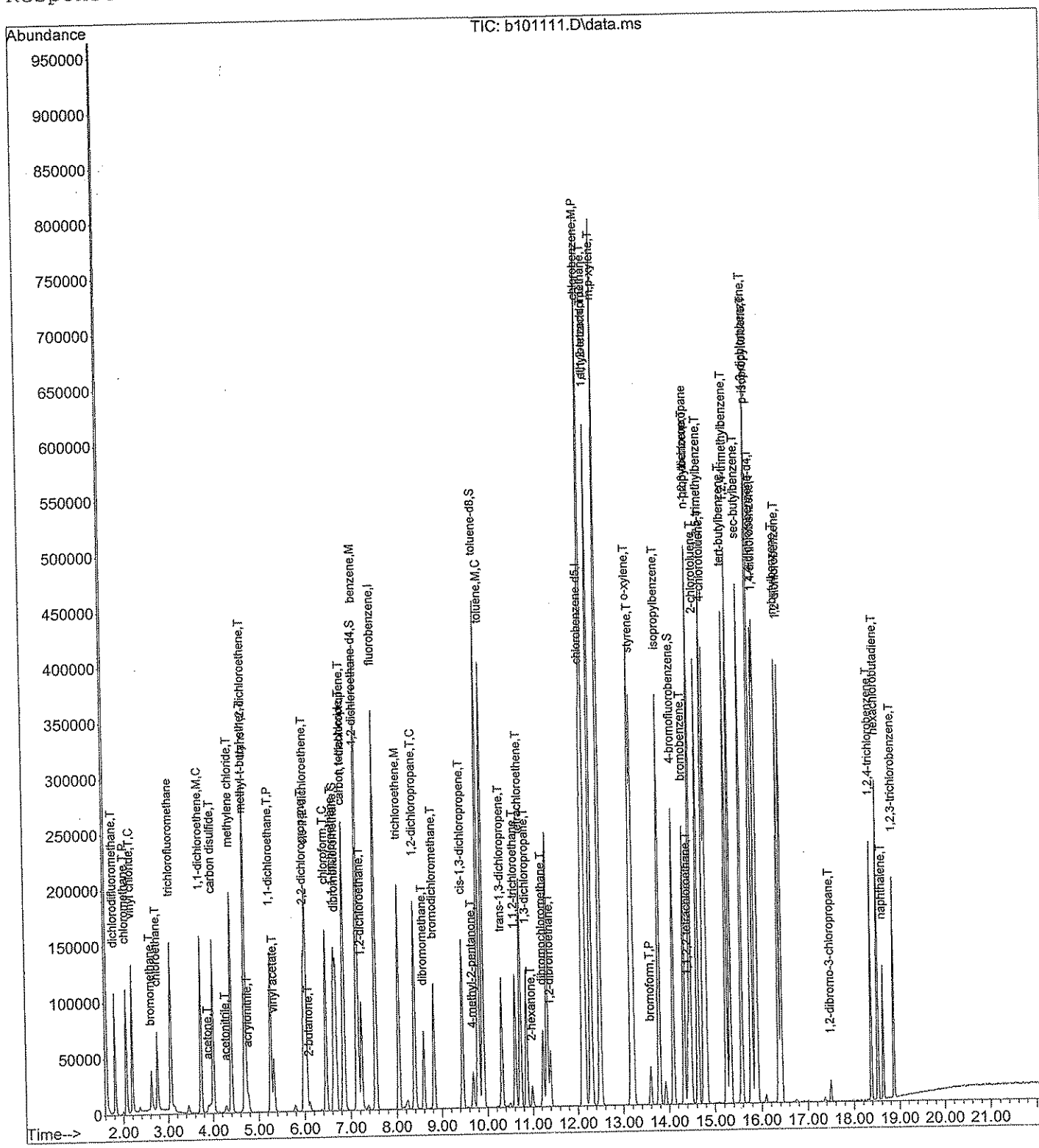
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,2-dibromoethane	11.397	107	49999	10.72	ug/L	100
47) chlorobenzene	12.151	112	655438	20.72	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.303	131	85479	9.42	ug/L	99
49) ethylbenzene	12.297	91	460747	7.84	ug/L	99
50) m,p-xylene	12.498	106	378540	15.79	ug/L	99
51) o-xylene	13.167	106	178416	8.10	ug/L	99
52) styrene	13.215	104	282859	8.85	ug/L	99
53) isopropylbenzene	13.787	105	374917	7.49	ug/L	100
54) bromobenzene	14.334	156	104253	9.48	ug/L	96
55) bromoform	13.598	173	24664	10.31	ug/L	99
57) 1,2,3-trichloropropane	14.474	110	16219	10.53	ug/L	98
58) n-propylbenzene	14.480	91	497550	7.71	ug/L	99
59) 2-chlorotoluene	14.632	91	323922	8.42	ug/L	99
60) 4-chlorotoluene	14.808	91	373682	8.64	ug/L	98
61) 1,3,5-trimethylbenzene	14.766	105	368604	7.96	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.425	83	52083	10.40	ug/L	92
64) tert-butylbenzene	15.252	119	294752	7.16	ug/L	99
65) sec-butylbenzene	15.575	105	432854	7.25	ug/L	99
66) 1,2,4-trimethylbenzene	15.338	105	377545	7.71	ug/L	100
67) 1,3-dichlorobenzene	15.775	146	211067	8.94	ug/L	99
68) p-isopropyltoluene	15.794	119	348673	7.38	ug/L	100
69) 1,4-dichlorobenzene	15.909	146	225241	9.85	ug/L	100
70) 1,2-dichlorobenzene	16.432	146	208760	11.10	ug/L	98
71) n-butylbenzene	16.371	91	267738	7.24	ug/L	100
72) 1,2-dibromo-3-chloropr...	17.490	75	5448	9.95	ug/L	97
73) 1,2,4-trichlorobenzene	18.378	180	79063	9.62	ug/L	98
74) hexachlorobutadiene	18.518	225	60266	8.17	ug/L	98
75) naphthalene	18.634	128	91479	9.14	ug/L	100
76) 1,2,3-trichlorobenzene	18.871	180	59575	10.69	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101111.D
Acq On : 11 Oct 2007 12:34 pm
Operator : NLT
Sample : ,MS,ME0710174-04AMS,1,
Misc : 8260+_W25
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 11 16:07:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101112.D
Acq On : 11 Oct 2007 1:06 pm
Operator : NLT
Sample : ,MSD,ME071017A-04AMSD,1,
Misc : 8260+ W25 v JD 10/11/07
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 11 16:07:13 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.540	96	444741	10.00	ug/L		0.00
35) chlorobenzene-d5	12.108	117	302833	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	141973	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.683	113	90227	10.77	ug/L		0.00
Spiked Amount 10.000			Recovery = 107.70%				
26) 1,2-dichloroethane-d4	7.133	65	78659	10.79	ug/L		0.00
Spiked Amount 10.000			Recovery = 107.90%				
38) toluene-d8	9.803	98	448140	10.16	ug/L		0.00
Spiked Amount 10.000			Recovery = 101.60%				
56) 4-bromofluorobenzene	14.096	95	137507	10.23	ug/L		0.00
Spiked Amount 10.000			Recovery = 102.30%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	58522	8.71	ug/L		100
3) chloromethane	2.061	50	112361	9.52	ug/L		97
4) vinyl chloride	2.195	62	90191	7.29	ug/L		96
5) bromomethane	2.621	94	28819	7.20	ug/L		99
6) chloroethane	2.761	64	54127	7.43	ug/L		97
7) trichlorofluoromethane	3.059	101	91976	6.70	ug/L	#	100
9) 1,1-dichloroethene	3.734	96	84321	7.82	ug/L		99
10) acetone	3.898	43	12267	11.44	ug/L		90
11) carbon disulfide	4.001	76	205857	6.14	ug/L		99
12) methylene chloride	4.396	84	111020	9.03	ug/L		99
13) acrylonitrile	4.767	53	16388	14.74	ug/L		97
14) trans-1,2-dichloroethene	4.707	96	106856	8.68	ug/L		98
15) methyl-t-butyl ether	4.694	73	156396	10.17	ug/L		98
16) acetonitrile	4.287	41	7353	14.71	ug/L		97
17) 1,1-dichloroethane	5.266	63	206467	9.29	ug/L		99
18) vinyl acetate	5.333	43	90858	14.40	ug/L		99
19) cis-1,2-dichloroethene	6.032	96	119703	9.34	ug/L		97
20) 2,2-dichloropropane	5.984	77	138712	7.94	ug/L		98
21) 2-butanone	6.105	72	3760	11.92	ug/L	#	89
22) chloroform	6.464	83	185058	9.70	ug/L		98
24) 1,1,1-trichloroethane	6.640	97	142810	8.24	ug/L		98
25) carbon tetrachloride	6.841	117	110987	7.79	ug/L		98
27) benzene	7.151	78	481876	9.53	ug/L		99
28) 1,1-dichloropropene	6.859	75	126266	7.76	ug/L		99
29) 1,2-dichloroethane	7.236	62	101081	10.28	ug/L		98
30) trichloroethene	8.039	95	104272	8.52	ug/L		99
31) 1,2-dichloropropane	8.392	63	109749	9.80	ug/L		98
32) dibromomethane	8.593	93	37786	10.60	ug/L		99
33) bromodichloromethane	8.824	83	112928	9.81	ug/L		98
36) cis-1,3-dichloropropene	9.450	75	130919	9.54	ug/L		100
37) 4-methyl-2-pentanone	9.687	43	34216	10.46	ug/L		97
39) toluene	9.900	92	286598	8.64	ug/L		100
40) 1,1,2-trichloroethane	10.612	83	48193	10.40	ug/L		99
41) 1,3-dichloropropane	10.867	76	106265	10.10	ug/L		99
42) tetrachloroethene	10.727	164	84429	8.12	ug/L		99
43) trans-1,3-dichloropropene	10.320	75	89661	9.99	ug/L		99
44) 2-hexanone	10.989	43	20889	10.60	ug/L		97
45) dibromochloromethane	11.232	129	55526	9.91	ug/L		97

10/11/07

JD 10/11/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101112.D
Acq On : 11 Oct 2007 1:06 pm
Operator : NLT
Sample : ,MSD,ME0710174-04AMSD,1,
Misc : 8260+_W25
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 11 16:07:13 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

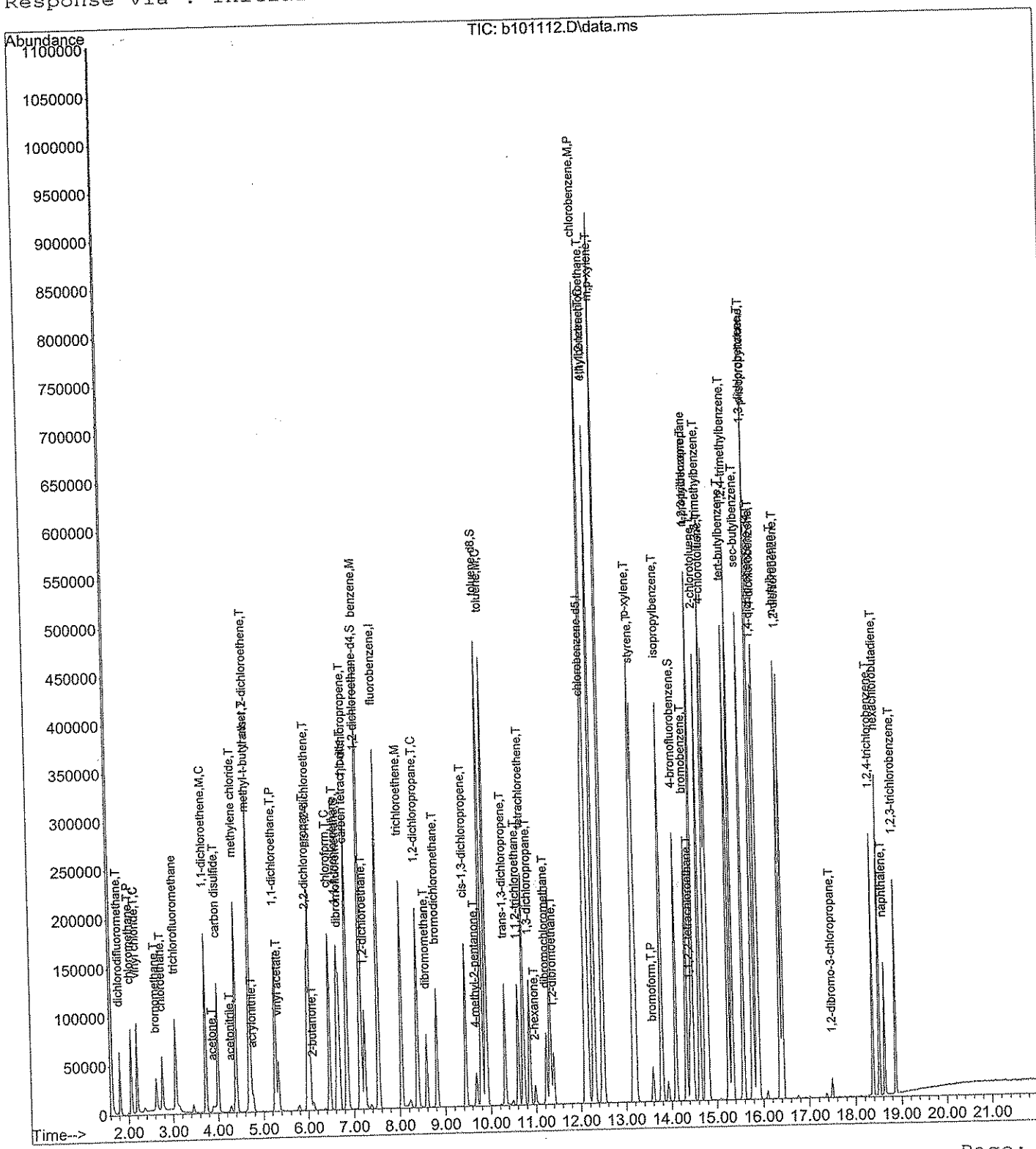
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) 1,2-dibromoethane	11.396	107	52764	10.93 ug/L	100
47) chlorobenzene	12.150	112	692833	21.17 ug/L	100
48) 1,1,1,2-tetrachloroethane	12.302	131	95777	10.20 ug/L	99
49) ethylbenzene	12.302	91	528663	8.69 ug/L	99
50) m,p-xylene	12.497	106	431805	17.41 ug/L	99
51) o-xylene	13.172	106	202483	8.88 ug/L	99
52) styrene	13.214	104	315566	9.55 ug/L	99
53) isopropylbenzene	13.786	105	432774	8.36 ug/L	99
54) bromobenzene	14.333	156	113656	9.98 ug/L	97
55) bromoform	13.598	173	26790	10.83 ug/L	95
57) 1,2,3-trichloropropane	14.473	110	17306	10.86 ug/L	93
58) n-propylbenzene	14.473	91	567688	8.51 ug/L	100
59) 2-chlorotoluene	14.631	91	366249	9.20 ug/L	99
60) 4-chlorotoluene	14.808	91	420991	9.41 ug/L	99
61) 1,3,5-trimethylbenzene	14.765	105	417773	8.72 ug/L	100
63) 1,1,2,2-tetrachloroethane	14.425	83	54951	10.72 ug/L	100
64) tert-butylbenzene	15.252	119	335469	7.97 ug/L	99
65) sec-butylbenzene	15.574	105	486516	7.96 ug/L	99
66) 1,2,4-trimethylbenzene	15.337	105	428781	8.55 ug/L	99
67) 1,3-dichlorobenzene	15.775	146	233198	9.66 ug/L	99
68) p-isopropyltoluene	15.793	119	395522	8.18 ug/L	100
69) 1,4-dichlorobenzene	15.908	146	242853	10.38 ug/L	99
70) 1,2-dichlorobenzene	16.431	146	220823	11.48 ug/L	98
71) n-butylbenzene	16.371	91	307054	8.12 ug/L	99
72) 1,2-dibromo-3-chloropr...	17.496	75	5780	10.31 ug/L	91
73) 1,2,4-trichlorobenzene	18.377	180	89854	10.68 ug/L	97
74) hexachlorobutadiene	18.517	225	66576	8.82 ug/L	100
75) naphthalene	18.633	128	105300	10.28 ug/L	100
76) 1,2,3-trichlorobenzene	18.870	180	68796	12.06 ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101112.D
Acq On : 11 Oct 2007 1:06 pm
Operator : NLT
Sample : ,MSD,ME0710174-04AMSD,1,
Misc : 8260+_W25
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 11 16:07:13 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

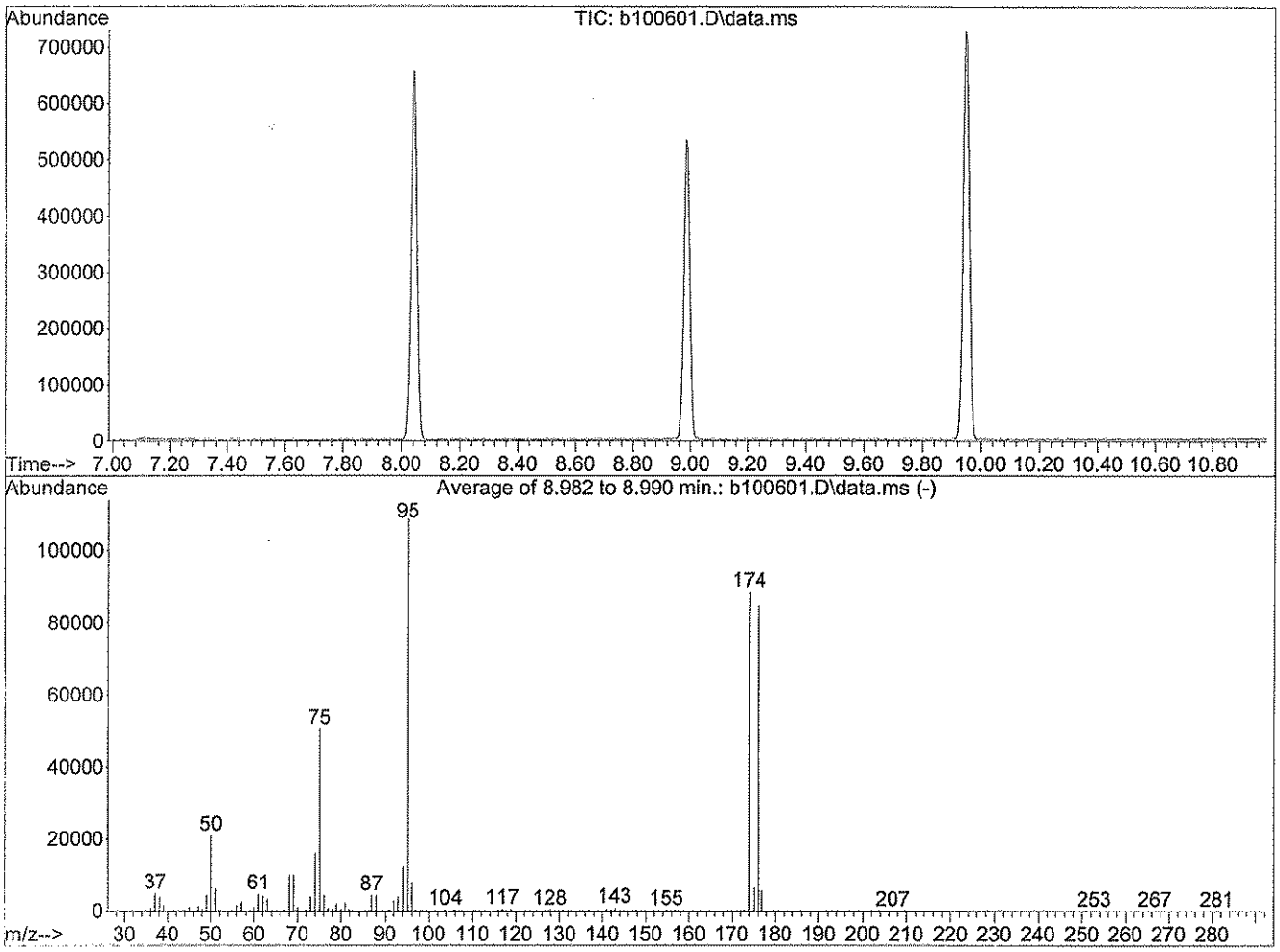


TUNING RAW DATA

Data Path : D:\msdchem\1\data\b100607\
Data File : b100601.D
Acq On : 6 Oct 2007 8:02 pm
Operator : JDB
Sample : ,tune,bfb tune,1,
Misc : bfb
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\wtr1004.M
Title : VOA waterICAL 10/04/07-MISC Included
Last Update : Thu Oct 04 12:58:22 2007



AutoFind: Scans 1896, 1897, 1898; Background Corrected with Scan 1885

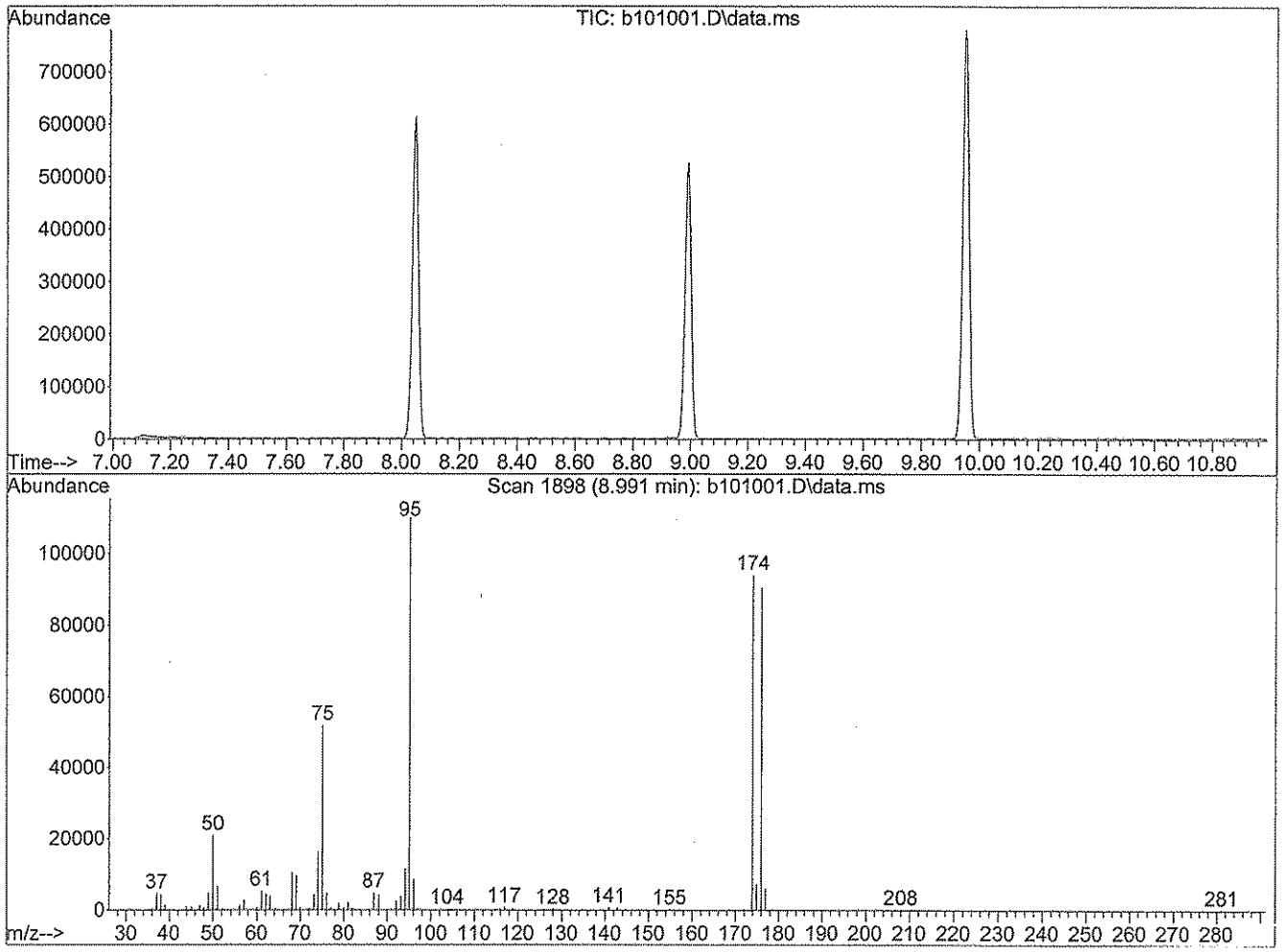
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	21005	PASS
75	95	30	60	46.5	50642	PASS
95	95	100	100	100.0	108824	PASS
96	95	5	9	7.3	7946	PASS
173	174	0.00	2	0.4	364	PASS
174	95	50	250	81.4	88570	PASS
175	174	5	9	7.2	6337	PASS
176	174	95	101	95.7	84762	PASS
177	176	5	9	6.7	5705	PASS

10/7/07

Data Path : D:\msdchem\1\data\b101007\
Data File : b101001.D
Acq On : 10 Oct 2007 5:34 am
Operator : NLT
Sample : ,tune,bfb tune,1,
Misc : bfb
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07
Last Update : Mon Oct 08 16:50:56 2007



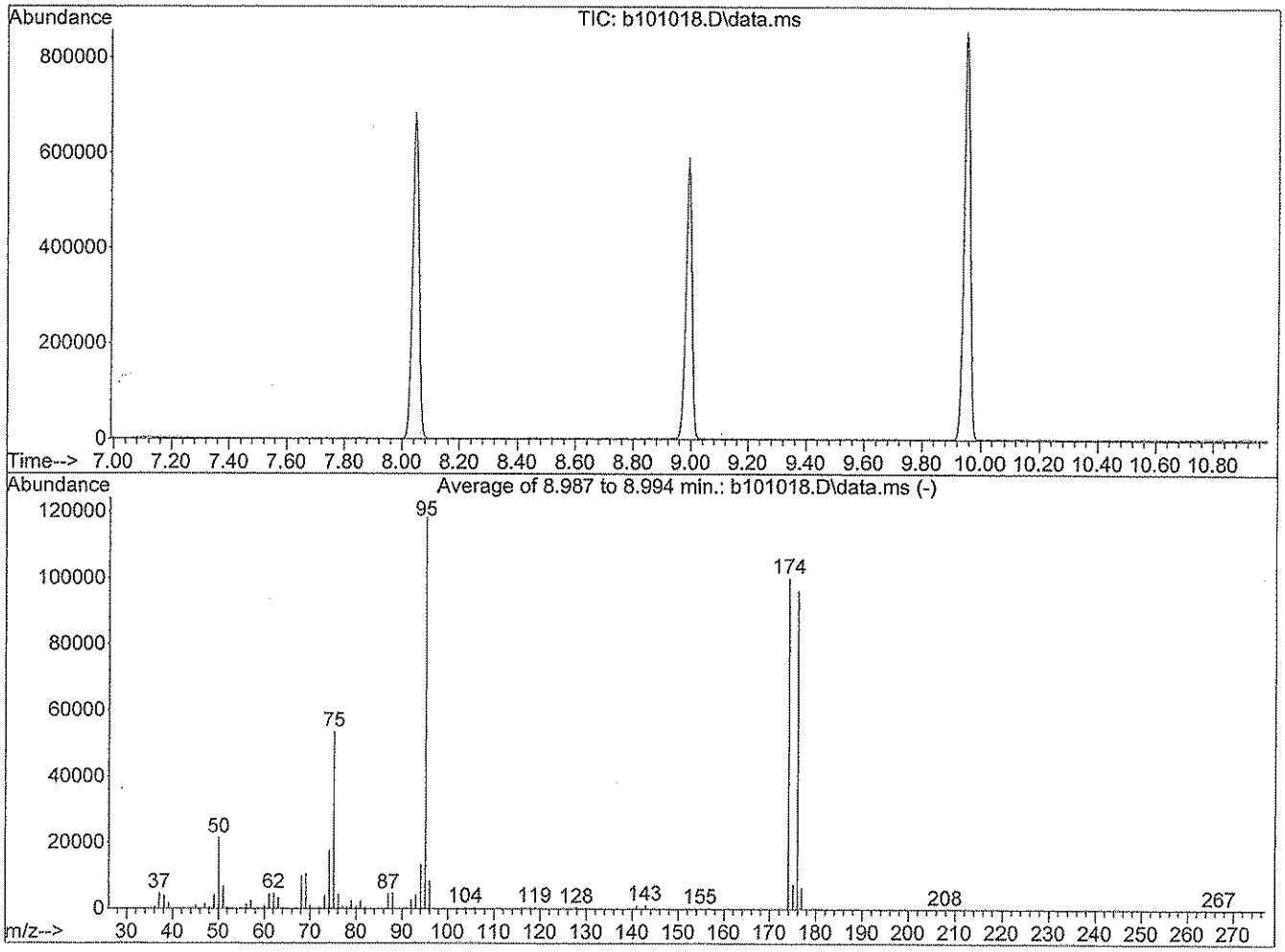
Spectrum Information: Scan 1898

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	21000	PASS
75	95	30	60	47.2	51928	PASS
95	95	100	100	100.0	110048	PASS
96	95	5	9	7.8	8576	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	250	85.5	94096	PASS
175	174	5	9	7.7	7275	PASS
176	174	95	101	96.3	90608	PASS
177	176	5	9	6.6	6009	PASS

Data Path : d:\msdchem\1\DATA\b101007\
Data File : b101018.D
Acq On : 10 Oct 2007 3:23 pm
Operator : NLT
Sample : ,tune,bfb tune,1,
Misc : bfb
ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e

Method : C:\MSDCHEM\1\METHODS\PTS01.M
Title :
Last Update : Thu Sep 20 15:35:35 2007



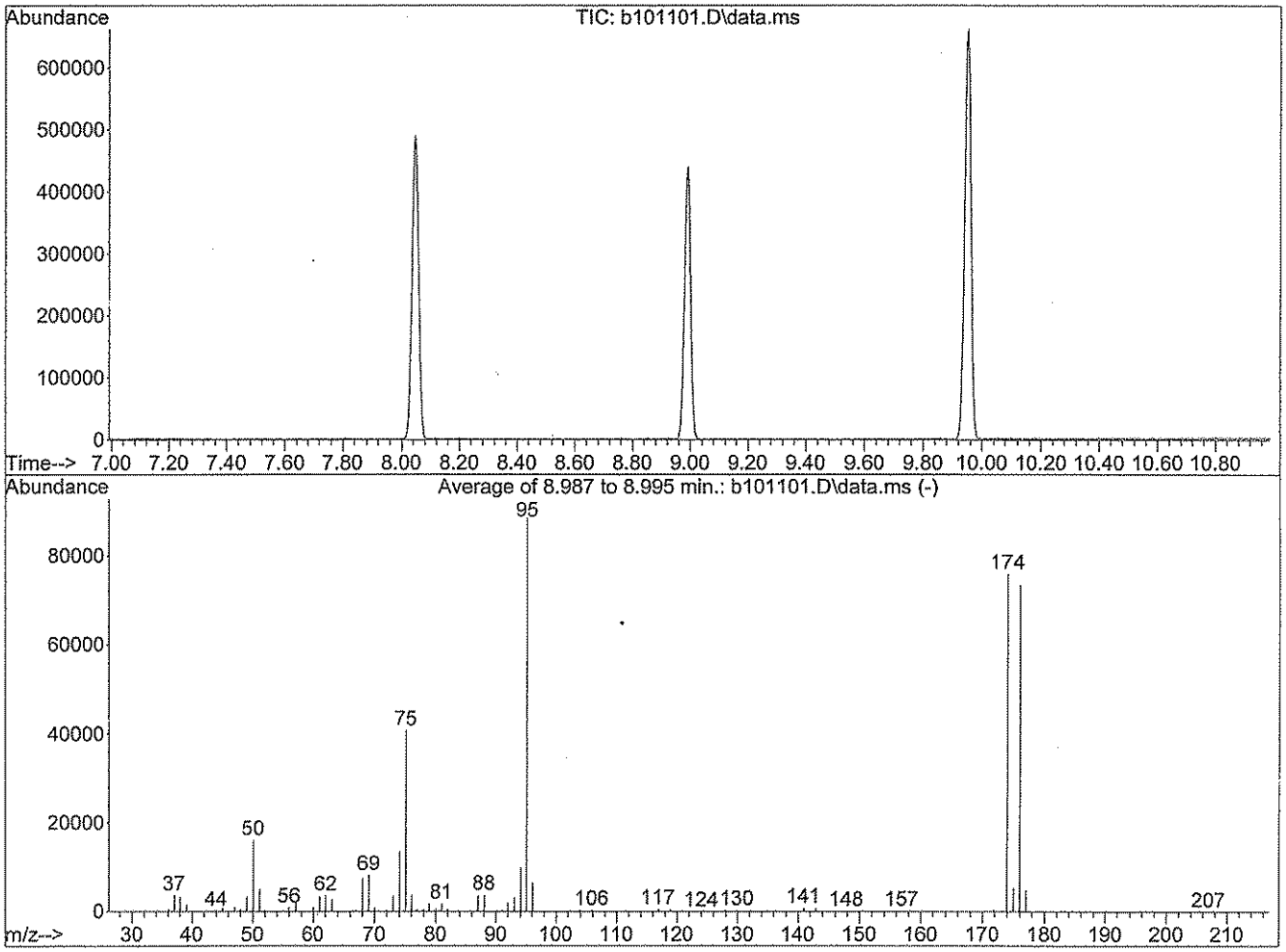
AutoFind: Scans 1897, 1898, 1899; Background Corrected with Scan 1885

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.1	21482	PASS
75	95	30	60	45.3	53600	PASS
95	95	100	100	100.0	118362	PASS
96	95	5	9	7.2	8509	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	84.7	100210	PASS
175	174	5	9	7.5	7504	PASS
176	174	95	101	96.2	96376	PASS
177	176	5	9	7.0	6710	PASS

Data Path : d:\msdchem\1\DATA\b101107\
Data File : b101101.D
Acq On : 11 Oct 2007 6:42 am
Operator : NLT
Sample : ,tune,bfb tune,1,
Misc : bfb
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : C:\MSDCHEM\1\METHODS\PTS01.M
Title :
Last Update : Thu Sep 20 15:35:35 2007



AutoFind: Scans 1897, 1898, 1899; Background Corrected with Scan 1887

AUTOFIND via AUTOINTEGRATE

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.3	16151	PASS
75	95	30	60	46.1	40800	PASS
95	95	100	100	100.0	88440	PASS
96	95	5	9	7.4	6540	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	85.8	75896	PASS
175	174	5	9	7.0	5324	PASS
176	174	95	101	96.7	73376	PASS
177	176	5	9	6.7	4914	PASS

10/15/07

INITIAL CALIBRATION RAW DATA

Method Path : C:\msdchem\1\METHODS\
Method File : 25mL1006.M 10/08/07
Title : 25 ml W-ICAL ~~09/28/07~~
Last Update : Mon Oct 08 09:58:43 2007
Response Via : Initial Calibration

Calibration Files
1 =b100602.D 2 =b100603.D 4 =b100604.D 8 =b100605.D 10 =b100606.D 20 =b100607.D
40 =b100608.D

		Compound	1	2	4	8	10	20	40	Avg	%RSD
1)	I	fluorobenzene	ISTD								
2)	T	dichlorodifluo...	0.164	0.143	0.150	0.153	0.152	0.151	0.145	0.151	4.45
3)	T,P	chloromethane	PQL=2	0.265	0.260	0.259	0.266	0.272	0.271	0.266#	2.06
4)	T,C	vinyl chloride	0.303	0.265	0.264	0.270	0.278	0.285	0.282	0.278	4.88
5)	T	bromomethane	0.098	0.087	0.082	0.089	0.094	UQL=10		0.090	7.19
6)	T	chloroethane	0.196	0.165	0.158	0.159	0.161	0.156	0.152	0.164	9.03
7)		trichlorofluor...	0.313	0.296	0.304	0.306	0.314	0.317	0.309	0.308	2.37
8)	T	acrolein	0.006	0.005	0.005	0.005	0.005	0.006	0.006	0.006	6.77
9)	M,C	1,1-dichloroet...	0.253	0.231	0.233	0.243	0.244	0.245	0.248	0.242	3.26
10)	T	acetone	PQL=5		0.026	0.024	0.024	0.024	0.023	0.024	3.68
11)	T	carbon disulfide	0.884	0.703	0.703	0.740	0.744	0.751	0.755	0.754	8.09
12)	T	methylene chlo...	PQL=2	0.351	0.287	0.268	0.262	0.247	0.243	0.276	14.35
13)	T	acrylonitrile	0.026	0.024	0.025	0.024	0.025	0.025	0.025	0.025	3.18
14)	T	trans-1,2-dich...	0.303	0.264	0.260	0.277	0.278	0.277	0.278	0.277	4.95
15)	T	methyl-t-butyl...	0.356	0.348	0.331	0.335	0.341	0.353	0.358	0.346	3.10
16)	T	acetonitrile	0.015	0.012	0.010	0.010	0.010	0.010	0.010	0.011	17.64
17)	T,P	1,1-dichloroet...	0.556	0.483	0.477	0.494	0.497	0.497	0.496	0.500	5.18
18)	T	vinyl acetate	PQL=2	0.138	0.132	0.148	0.141	0.147	0.145	0.142	4.15
19)	T	cis-1,2-dichlo...	0.314	0.278	0.273	0.284	0.289	0.289	0.290	0.288	4.58
20)	T	2,2-dichloropr...	0.421	0.374	0.379	0.393	0.394	0.394	0.394	0.393	3.88
21)	T	2-butanone	PQL=2	0.005	0.006	0.007	0.007	0.008	0.008	0.007	14.17
22)	T,C	chloroform	0.483	0.415	0.406	0.422	0.429	0.423	0.425	0.429	2.81
23)	S	dibromofluorom...	0.185	0.189	0.187	0.190	0.188	0.189	0.191	0.188	0.93
24)	T	1,1,1-trichlor...	0.400	0.369	0.374	0.392	0.397	0.398	0.399	0.390	3.31
25)	T	carbon tetrach...	0.319	0.292	0.302	0.324	0.330	0.334	0.340	0.320	5.47
26)	S	1,2-dichloroet...	0.165	0.168	0.162	0.166	0.164	0.161	0.162	0.164	1.58
27)	M	benzene	1.273	1.087	1.081	1.122	1.129	1.134	1.131	1.137	5.63
28)	T	1,1-dichloropr...	0.373	0.345	0.352	0.369	0.369	0.376	0.378	0.366	3.46
29)	T	1,2-dichloroet...	0.246	0.216	0.211	0.218	0.219	0.218	0.219	0.221	5.14
30)	M	trichloroethene	0.294	0.263	0.263	0.274	0.275	0.277	0.280	0.275	3.88
31)	T,C	1,2-dichloropr...	0.270	0.243	0.240	0.251	0.251	0.253	0.255	0.252	3.85
32)	T	dibromomethane	0.090	0.077	0.075	0.078	0.080	0.080	0.081	0.080	5.95
33)	T	bromodichlorom...	0.266	0.236	0.236	0.258	0.265	0.271	0.280	0.259	6.47
34)	T	2-chloroethyl ...		0.024	0.028	0.037	0.038	0.044	0.051	0.037	27.27
35)	I	chlorobenzene-d5	ISTD								
36)	T	cis-1,3-dichlo...	0.467	0.416	0.419	0.455	0.462	0.474	0.478	0.453	5.57
37)	T	4-methyl-2-pen...		0.102	0.099	0.107	0.108	0.114	0.118	0.108	6.47
38)	S	toluene-d8	1.459	1.450	1.453	1.467	1.462	1.452	1.447	1.456	0.50

10/08/07

Method Path : C:\msdchem\1\METHODS\
Method File : 25mL1006.M 10/06/07
Title : 25 ml W-ICAL ~~09/28/07~~ 10/08/07

39)	M,C	toluene	1.251	1.058	1.041	1.074	1.084	1.085	1.076	1.096	6.43
40)	T	1,1,2-trichlor...	0.164	0.147	0.146	0.153	0.153	0.154	0.154	0.153	3.95
41)	T	1,3-dichloropr...	0.387	0.337	0.325	0.344	0.342	0.349	0.347	0.347	5.56
42)	T	tetrachloroethene	0.371	0.325	0.335	0.346	0.342	0.345	0.340	0.343	4.04
43)	T	trans-1,3-dich...	0.305	0.265	0.268	0.296	0.302	0.318	0.321	0.296	7.51
44)	T	2-hexanone	PQL=2	0.055	0.057	0.065	0.066	0.071	0.077	0.065	13.13
45)	T	dibromochlorom...	0.174	0.161	0.164	0.185	0.193	0.202	0.216	0.185	10.97
46)	T	1,2-dibromoethane	0.162	0.151	0.149	0.160	0.162	0.166	0.167	0.159	4.25
47)	M,P	chlorobenzene	1.203	1.037	1.033	1.065	1.076	1.077	1.073	1.082	5.28
48)	T	1,1,1,2-tetrac...	0.309	0.289	0.289	0.315	0.317	0.326	0.326	0.310	5.02
49)	T,C	ethylbenzene	2.165	1.886	1.909	2.008	2.021	2.041	2.034	2.009	4.59
50)	T	m,p-xylene	0.907	0.770	0.775	0.816	0.819	0.822	0.824	0.819	5.50
51)	T	o-xylene	0.828	0.693	0.706	0.753	0.757	0.765	0.770	0.753	5.92
52)	T	styrene	1.009	0.943	0.991	1.124	1.154	1.195	1.226	1.092	10.09
53)	T	isopropylbenzene	1.712	1.548	1.623	1.737	1.749	1.790	1.812	1.710	5.49
54)	T	bromobenzene	0.410	0.353	0.355	0.369	0.375	0.382	0.388	0.376	5.28
55)	T,P	bromoform	0.072	0.069	0.071	0.081	0.084	0.094	0.103	0.082#	15.86
56)	S	4-bromofluorob...	0.437	0.438	0.437	0.447	0.444	0.447	0.456	0.444	1.57
57)		1,2,3-trichlor...	0.059	0.050	0.050	0.052	0.052	0.052	0.054	0.053	5.71
58)	T	n-propylbenzene	2.212	2.001	2.099	2.228	2.255	2.304	2.326	2.204	5.24
59)	T	2-chlorotoluene	1.392	1.233	1.252	1.311	1.325	1.339	1.348	1.314	4.22
60)	T	4-chlorotoluene	1.554	1.381	1.400	1.478	1.492	1.510	1.528	1.478	4.36
61)	T	1,3,5-trimethy...	1.592	1.423	1.491	1.596	1.620	1.661	1.689	1.582	5.94
62)	I	1,4-dichlorobenzen...	----------ISTD----------								
63)	T	1,1,2,2-tetrac...	0.368	0.356	0.335	0.361	0.368	0.372	0.368	0.361	3.49
64)	T	tert-butylbenzene	3.012	2.748	2.850	2.982	3.033	3.081	3.057	2.966	4.11
65)	T	sec-butylbenzene	4.260	3.840	4.100	4.376	4.456	4.567	4.521	4.303	6.03
66)	T	1,2,4-trimethy...	3.901	3.210	3.317	3.520	3.549	3.631	3.584	3.530	6.32
67)	T	1,3-dichlorobe...	1.877	1.642	1.628	1.692	1.708	1.694	1.668	1.701	4.85
68)	T	p-isopropyltol...	3.161	2.922	3.195	3.513	3.579	3.723	3.734	3.404	9.20
69)	T	1,4-dichlorobe...	1.845	1.594	1.571	1.617	1.644	1.648	1.619	1.648	5.52
70)	T	1,2-dichlorobe...	1.482	1.296	1.310	1.349	1.362	1.362	1.325	1.355	4.54
71)	T	n-butylbenzene	2.245	2.080	2.366	2.755	2.832	3.146	3.231	2.665	16.75
72)	T	1,2-dibromo-3-...	0.040	0.035	0.035	0.039	0.040	0.042	0.046	0.039	10.08
73)	T	1,2,4-trichlor...	0.358	0.377	0.505	0.638	0.672	0.769	0.829	0.593	31.20
74)	T	hexachlorobuta...	0.488	0.419	0.500	0.544	0.555	0.595	0.619	0.531	12.82
75)	T	naphthalene	PQL=2	0.418	0.516	0.718	0.786	0.915	0.977	0.722	30.45
76)	T	1,2,3-trichlor...	0.206	0.221	0.311	0.435	0.474	0.562	0.604	0.402	39.65

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100602.D
Acq On : 6 Oct 2007 11:25 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 1 ppb,1,
Misc : 8260_W
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 09:36:17 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.538	96	498098	10.00	ug/L		0.00
35) chlorobenzene-d5	12.105	117	320694	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.875	152	135945	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.686	113	92203	6.36	ug/L		0.00
Spiked Amount 10.000			Recovery = 63.60%				
26) 1,2-dichloroethane-d4	7.130	65	82057	6.82	ug/L		0.00
Spiked Amount 10.000			Recovery = 68.20%				
38) toluene-d8	9.800	98	467972	11.71	ug/L		0.00
Spiked Amount 10.000			Recovery = 117.10%				
56) 4-bromofluorobenzene	14.093	95	140234	8.61	ug/L		0.00
Spiked Amount 10.000			Recovery = 86.10%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.809	85	8152	0.33	ug/L		97
3) chloromethane	2.058	50	15372	0.40	ug/L		97
4) vinyl chloride	2.192	62	15072	0.47	ug/L		96
5) bromomethane	2.624	94	4893	0.36	ug/L		93
6) chloroethane	2.758	64	9769	0.57	ug/L		98
7) trichlorofluoromethane	3.062	101	15602	0.45	ug/L	#	96
8) acrolein	3.682	56	3035	5.42	ug/L		80
9) 1,1-dichloroethene	3.737	96	12619	0.66	ug/L		92
10) acetone	3.901	43	4916	1.87	ug/L		95
11) carbon disulfide	3.998	76	44035	0.65	ug/L		99
12) methylene chloride	4.400	84	25438	1.19	ug/L		93
13) acrylonitrile	4.771	53	13169	6.64	ug/L		95
14) trans-1,2-dichloroethene	4.710	96	15096	0.69	ug/L		95
15) methyl-t-butyl ether	4.704	73	17744	0.60	ug/L		95
16) acetonitrile	4.290	41	7703	7.46	ug/L		89
17) 1,1-dichloroethane	5.269	63	27699	0.63	ug/L		98
18) vinyl acetate	5.336	43	7927	0.52	ug/L		100
19) cis-1,2-dichloroethene	6.036	96	15650	0.68	ug/L		96
20) 2,2-dichloropropane	5.993	77	20994	0.57	ug/L		97
22) chloroform	6.467	83	24057	0.58	ug/L		96
24) 1,1,1-trichloroethane	6.644	97	19941	0.61	ug/L		96
25) carbon tetrachloride	6.844	117	15911	0.61	ug/L		94
27) benzene	7.148	78	63422	0.79	ug/L		97
28) 1,1-dichloropropene	6.857	75	18560	0.63	ug/L		99
29) 1,2-dichloroethane	7.234	62	12251	0.62	ug/L		97
30) trichloroethene	8.042	95	14650	0.65	ug/L		98
31) 1,2-dichloropropane	8.395	63	13437	0.62	ug/L		94
32) dibromomethane	8.590	93	4470	0.49	ug/L		95
33) bromodichloromethane	8.821	83	13242	0.46	ug/L		96
34) 2-chloroethyl vinyl ether	9.240	63	1184	0.27	ug/L	#	61
36) cis-1,3-dichloropropene	9.453	75	14973	0.72	ug/L		95
37) 4-methyl-2-pentanone	9.690	43	3417	0.83	ug/L	#	86
39) toluene	9.903	92	40126	1.19	ug/L		94
40) 1,1,2-trichloroethane	10.609	83	5273	0.79	ug/L		97
41) 1,3-dichloropropane	10.864	76	12420	0.92	ug/L		99
42) tetrachloroethene	10.730	164	11889	0.89	ug/L		97
43) trans-1,3-dichloropropene	10.317	75	9797	0.74	ug/L		96
44) 2-hexanone	10.998	43	2098	1.32	ug/L	#	82

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100602.D
Acq On : 6 Oct 2007 11:25 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 1 ppb,1,
Misc : 8260_W
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 09:36:17 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

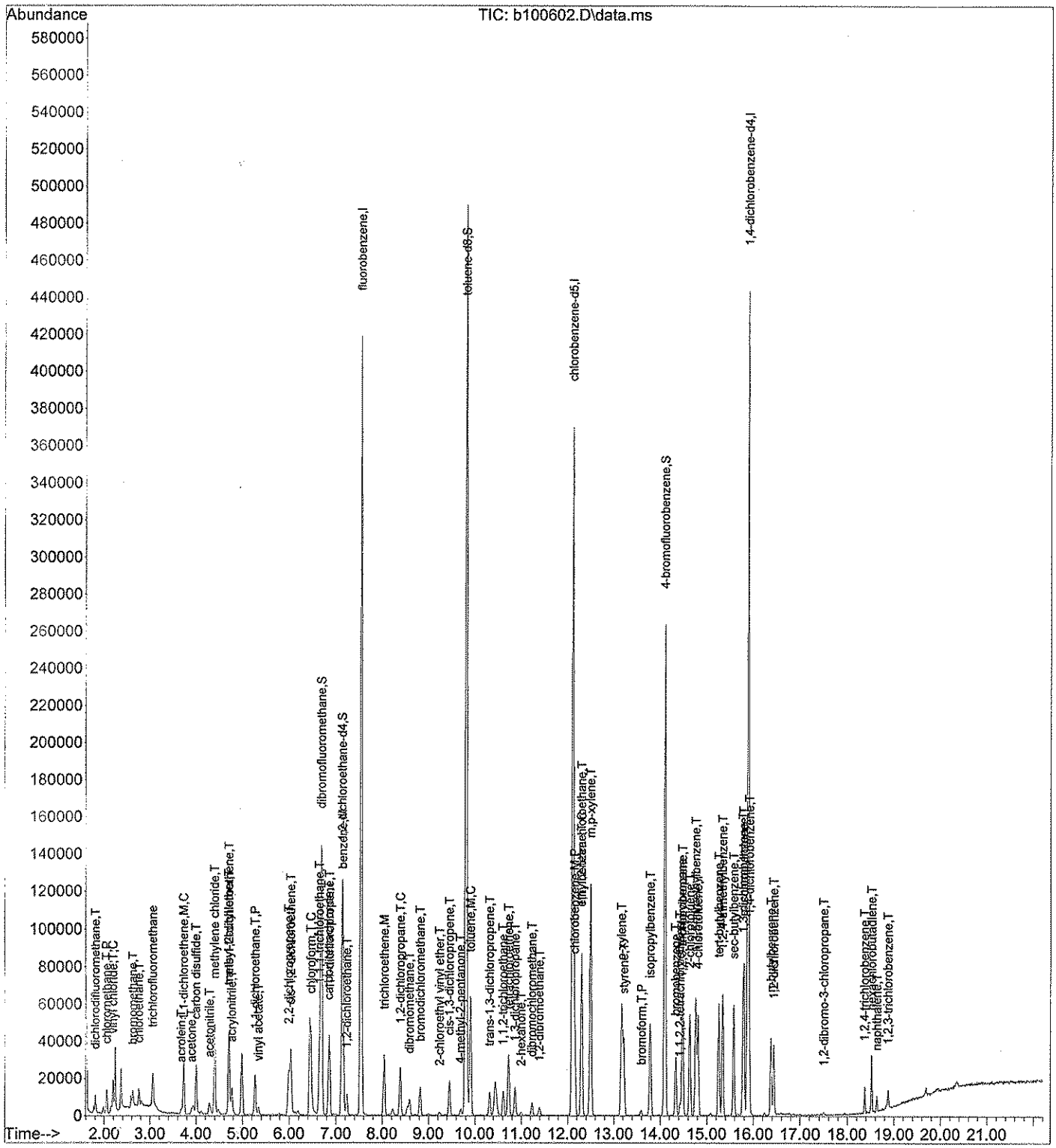
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) dibromochloromethane	11.229	129	5589	0.64	ug/L		97
46) 1,2-dibromoethane	11.393	107	5183	0.79	ug/L	#	99
47) chlorobenzene	12.147	112	38585	1.29	ug/L		97
48) 1,1,1,2-tetrachloroethane	12.299	131	9920	0.98	ug/L		99
49) ethylbenzene	12.299	91	69421	1.20	ug/L		100
50) m,p-xylene	12.494	106	58183	2.86	ug/L		99
51) o-xylene	13.163	106	26553	1.29	ug/L		98
52) styrene	13.218	104	32356	1.06	ug/L		99
53) isopropylbenzene	13.783	105	54904	1.17	ug/L		99
54) bromobenzene	14.337	156	13149	0.93	ug/L		98
55) bromoform	13.601	173	2295	0.37	ug/L		83
57) 1,2,3-trichloropropane	14.464	110	1882	1.21	ug/L		90
58) n-propylbenzene	14.476	91	70925	1.11	ug/L		100
59) 2-chlorotoluene	14.635	91	44642	1.14	ug/L		99
60) 4-chlorotoluene	14.811	91	49842	1.25	ug/L		100
61) 1,3,5-trimethylbenzene	14.762	105	51055	1.23	ug/L		100
63) 1,1,2,2-tetrachloroethane	14.422	83	4998	0.83	ug/L		98
64) tert-butylbenzene	15.255	119	40951	1.57	ug/L		99
65) sec-butylbenzene	15.577	105	57917	1.40	ug/L		100
66) 1,2,4-trimethylbenzene	15.334	105	53028	1.58	ug/L		99
67) 1,3-dichlorobenzene	15.778	146	25511	1.38	ug/L		97
68) p-isopropyltoluene	15.790	119	42967	1.45	ug/L		97
69) 1,4-dichlorobenzene	15.906	146	25085	1.47	ug/L		97
70) 1,2-dichlorobenzene	16.435	146	20153	1.34	ug/L		98
71) n-butylbenzene	16.374	91	30524	0.94	ug/L		99
72) 1,2-dibromo-3-chloropr...	17.493	75	543	0.78	ug/L	#	87
73) 1,2,4-trichlorobenzene	18.375	180	4862	0.56	ug/L		96
74) hexachlorobutadiene	18.521	225	6631	1.52	ug/L		93
75) naphthalene	18.636	128	6517	0.77	ug/L		100
76) 1,2,3-trichlorobenzene	18.873	180	2803	0.43	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100602.D
Acq On : 6 Oct 2007 11:25 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 1 ppb,1,
Misc : 8260_W
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 09:36:17 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100603.D
Acq On : 6 Oct 2007 11:57 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 2 ppb,1,
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 09:37:19 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.538	96	478169	10.00	ug/L		0.00
35) chlorobenzene-d5	12.105	117	314839	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.869	152	136458	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.686	113	90237	6.48	ug/L		0.00
Spiked Amount 10.000			Recovery =	64.80%			
26) 1,2-dichloroethane-d4	7.130	65	80521	6.97	ug/L		0.00
Spiked Amount 10.000			Recovery =	69.70%			
38) toluene-d8	9.800	98	456489	11.63	ug/L		0.00
Spiked Amount 10.000			Recovery =	116.30%			
56) 4-bromofluorobenzene	14.099	95	138056	8.63	ug/L		0.00
Spiked Amount 10.000			Recovery =	86.30%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.809	85	13647	0.57	ug/L		100
3) chloromethane	2.052	50	25385	0.68	ug/L		97
4) vinyl chloride	2.192	62	25317	0.82	ug/L		98
6) chloroethane	2.758	64	15749	0.96	ug/L		98
7) trichlorofluoromethane	3.062	101	28279	0.85	ug/L	#	100
8) acrolein	3.676	56	5043	9.39	ug/L		98
9) 1,1-dichloroethene	3.731	96	22089	1.20	ug/L		95
11) carbon disulfide	3.998	76	67268	1.03	ug/L		100
13) acrylonitrile	4.771	53	23403	12.30	ug/L		98
14) trans-1,2-dichloroethene	4.710	96	25285	1.20	ug/L		94
15) methyl-t-butyl ether	4.704	73	33268	1.17	ug/L		98
16) acetonitrile	4.284	41	11501	11.61	ug/L		95
17) 1,1-dichloroethane	5.269	63	46225	1.10	ug/L		99
19) cis-1,2-dichloroethene	6.035	96	26593	1.20	ug/L		93
20) 2,2-dichloropropane	5.993	77	35741	1.01	ug/L		99
22) chloroform	6.467	83	39735	0.99	ug/L		99
24) 1,1,1-trichloroethane	6.644	97	35274	1.13	ug/L		99
25) carbon tetrachloride	6.844	117	27907	1.12	ug/L		97
27) benzene	7.148	78	103941	1.35	ug/L		99
28) 1,1-dichloropropene	6.856	75	32956	1.17	ug/L		98
29) 1,2-dichloroethane	7.234	62	20627	1.09	ug/L		99
30) trichloroethene	8.042	95	25188	1.16	ug/L		99
31) 1,2-dichloropropane	8.389	63	23196	1.12	ug/L		99
32) dibromomethane	8.596	93	7335	0.84	ug/L		99
33) bromodichloromethane	8.821	83	22607	0.82	ug/L		99
36) cis-1,3-dichloropropene	9.453	75	26216	1.29	ug/L		98
37) 4-methyl-2-pentanone	9.690	43	6438	1.59	ug/L	#	86
39) toluene	9.897	92	66617	2.01	ug/L		99
40) 1,1,2-trichloroethane	10.615	83	9245	1.41	ug/L		90
41) 1,3-dichloropropane	10.864	76	21228	1.61	ug/L		100
42) tetrachloroethene	10.724	164	20484	1.56	ug/L		96
43) trans-1,3-dichloropropene	10.317	75	16662	1.28	ug/L		97
44) 2-hexanone	10.992	43	3446	2.21	ug/L		96
45) dibromochloromethane	11.229	129	10123	1.18	ug/L		85
46) 1,2-dibromoethane	11.393	107	9517	1.48	ug/L	#	97
47) chlorobenzene	12.147	112	65272	2.22	ug/L		98
48) 1,1,1,2-tetrachloroethane	12.299	131	18178	1.84	ug/L		97
49) ethylbenzene	12.299	91	118776	2.09	ug/L		98

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100603.D
Acq On : 6 Oct 2007 11:57 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 2 ppb,1,
Misc :
ALS Vial : 23 Sample Multiplier: 1

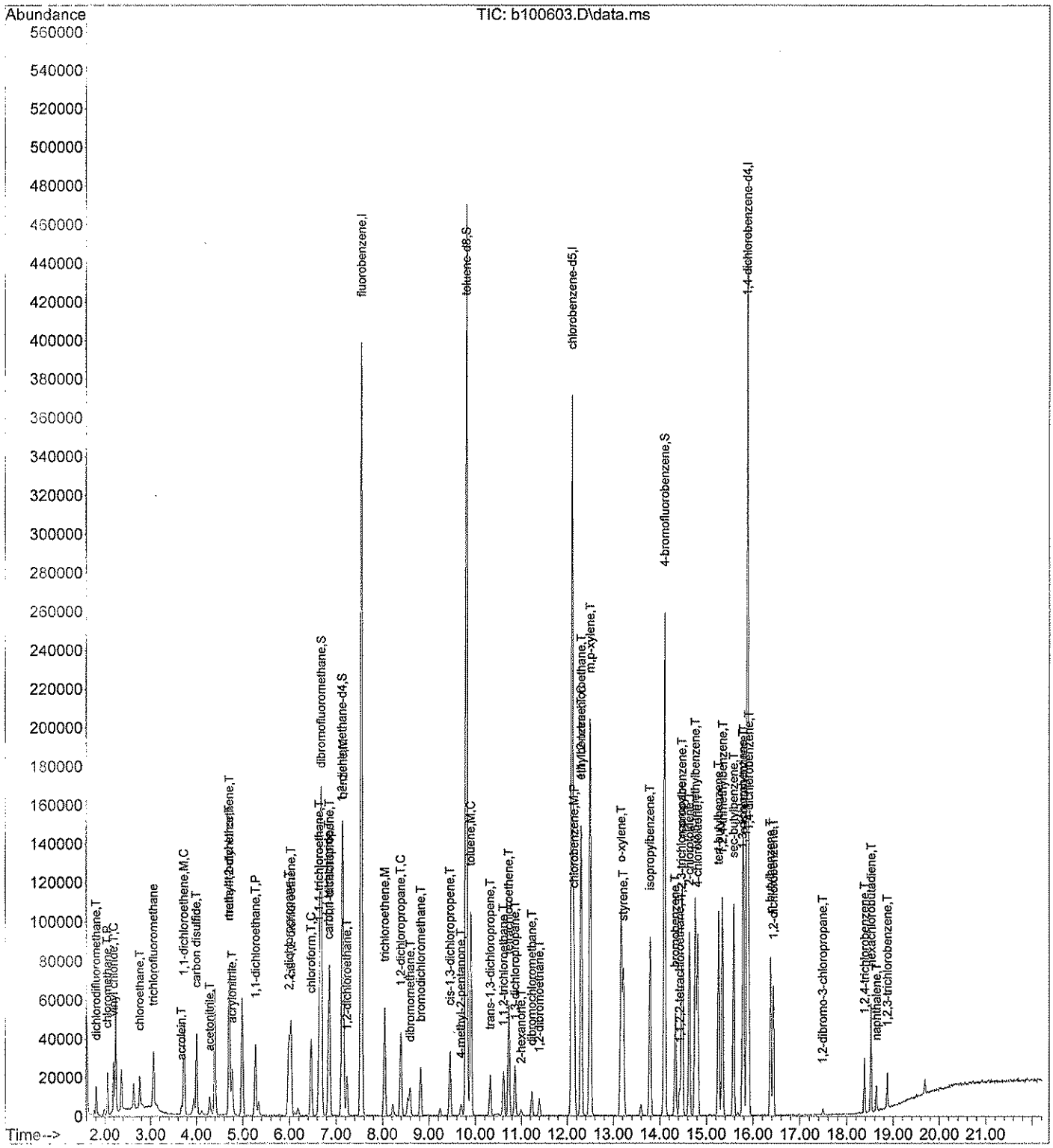
Quant Time: Oct 08 09:37:19 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) m,p-xylene	12.494	106	96947	4.86	ug/L		100
51) o-xylene	13.169	106	43609	2.16	ug/L		92
52) styrene	13.211	104	59364	1.98	ug/L		99
53) isopropylbenzene	13.783	105	97454	2.12	ug/L		100
54) bromobenzene	14.330	156	22199	1.60	ug/L		99
57) 1,2,3-trichloropropane	14.464	110	3149	2.06	ug/L		94
58) n-propylbenzene	14.476	91	126027	2.01	ug/L		100
59) 2-chlorotoluene	14.634	91	77619	2.02	ug/L		100
60) 4-chlorotoluene	14.811	91	86980	2.21	ug/L		99
61) 1,3,5-trimethylbenzene	14.762	105	89608	2.20	ug/L		99
63) 1,1,2,2-tetrachloroethane	14.428	83	9712	1.61	ug/L		97
64) tert-butylbenzene	15.255	119	75002	2.87	ug/L		99
65) sec-butylbenzene	15.577	105	104802	2.52	ug/L		100
66) 1,2,4-trimethylbenzene	15.340	105	87603	2.60	ug/L		99
67) 1,3-dichlorobenzene	15.772	146	44817	2.42	ug/L		99
68) p-isopropyltoluene	15.796	119	79749	2.68	ug/L		99
69) 1,4-dichlorobenzene	15.905	146	43496	2.54	ug/L		99
70) 1,2-dichlorobenzene	16.435	146	35363	2.35	ug/L		95
71) n-butylbenzene	16.368	91	56768	1.75	ug/L		96
72) 1,2-dibromo-3-chloropr...	17.487	75	953	1.36	ug/L	#	67
73) 1,2,4-trichlorobenzene	18.381	180	10278	1.18	ug/L		96
74) hexachlorobutadiene	18.520	225	11447	2.61	ug/L		98
75) naphthalene	18.636	128	11404	1.34	ug/L		100
76) 1,2,3-trichlorobenzene	18.873	180	6020	0.93	ug/L		88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\msdchem\1\data\b100607\
Data File : b100603.D
Acq On : 6 Oct 2007 11:57 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 2 ppb,1,
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 09:37:19 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100604.D
Acq On : 7 Oct 2007 12:28 am
Operator : JDB
Sample : ,ICAL,ICAL H20 4 ppb,1,
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 08 09:38:00 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.538	96	481428	10.00	ug/L		0.00
35) chlorobenzene-d5	12.105	117	314408	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.876	152	136158	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.687	113	90256	6.44	ug/L		0.00
Spiked Amount 10.000			Recovery = 64.40%				
26) 1,2-dichloroethane-d4	7.131	65	77887	6.69	ug/L		0.00
Spiked Amount 10.000			Recovery = 66.90%				
38) toluene-d8	9.800	98	456900	11.66	ug/L		0.00
Spiked Amount 10.000			Recovery = 116.60%				
56) 4-bromofluorobenzene	14.094	95	137328	8.60	ug/L		0.00
Spiked Amount 10.000			Recovery = 86.00%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.810	85	28880	1.20	ug/L		100
3) chloromethane	2.053	50	50109	1.34	ug/L		99
4) vinyl chloride	2.193	62	50890	1.64	ug/L		96
5) bromomethane	2.624	94	15699	1.19	ug/L		99
6) chloroethane	2.758	64	30465	1.84	ug/L		99
7) trichlorofluoromethane	3.062	101	58485	1.75	ug/L	#	99
8) acrolein	3.676	56	10010	18.51	ug/L		98
9) 1,1-dichloroethene	3.731	96	44895	2.43	ug/L		98
10) acetone	3.901	43	4927	1.94	ug/L		95
11) carbon disulfide	3.999	76	135457	2.06	ug/L		99
12) methylene chloride	4.394	84	55309	2.68	ug/L		99
13) acrylonitrile	4.765	53	47300	24.69	ug/L		98
14) trans-1,2-dichloroethene	4.710	96	50092	2.37	ug/L		98
15) methyl-t-butyl ether	4.704	73	63661	2.22	ug/L		96
16) acetonitrile	4.279	41	19839	19.89	ug/L		97
17) 1,1-dichloroethane	5.270	63	91893	2.17	ug/L		97
18) vinyl acetate	5.337	43	25507	1.73	ug/L		95
19) cis-1,2-dichloroethene	6.030	96	52505	2.34	ug/L		99
20) 2,2-dichloropropane	5.987	77	72916	2.04	ug/L		99
21) 2-butanone	6.115	72	1241	2.22	ug/L	#	76
22) chloroform	6.462	83	78132	1.94	ug/L		98
24) 1,1,1-trichloroethane	6.644	97	72028	2.29	ug/L		99
25) carbon tetrachloride	6.845	117	58218	2.32	ug/L		99
27) benzene	7.149	78	208144	2.68	ug/L		99
28) 1,1-dichloropropene	6.863	75	67830	2.39	ug/L		99
29) 1,2-dichloroethane	7.234	62	40662	2.13	ug/L		99
30) trichloroethene	8.043	95	50590	2.31	ug/L		97
31) 1,2-dichloropropane	8.390	63	46208	2.21	ug/L		96
32) dibromomethane	8.590	93	14420	1.65	ug/L		98
33) bromodichloromethane	8.821	83	45486	1.64	ug/L		98
34) 2-chloroethyl vinyl ether	9.241	63	5333	1.26	ug/L		98
36) cis-1,3-dichloropropene	9.448	75	52684	2.59	ug/L		99
37) 4-methyl-2-pentanone	9.691	43	12476	3.09	ug/L		96
39) toluene	9.904	92	130872	3.96	ug/L		96
40) 1,1,2-trichloroethane	10.609	83	18373	2.81	ug/L		98
41) 1,3-dichloropropane	10.865	76	40903	3.10	ug/L		99
42) tetrachloroethene	10.731	164	42192	3.23	ug/L		98
43) trans-1,3-dichloropropene	10.323	75	33737	2.59	ug/L		99

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100604.D
Acq On : 7 Oct 2007 12:28 am
Operator : JDB
Sample : ,ICAL,ICAL H20 4 ppb,1,
Misc :
ALS Vial : 24 Sample Multiplier: 1

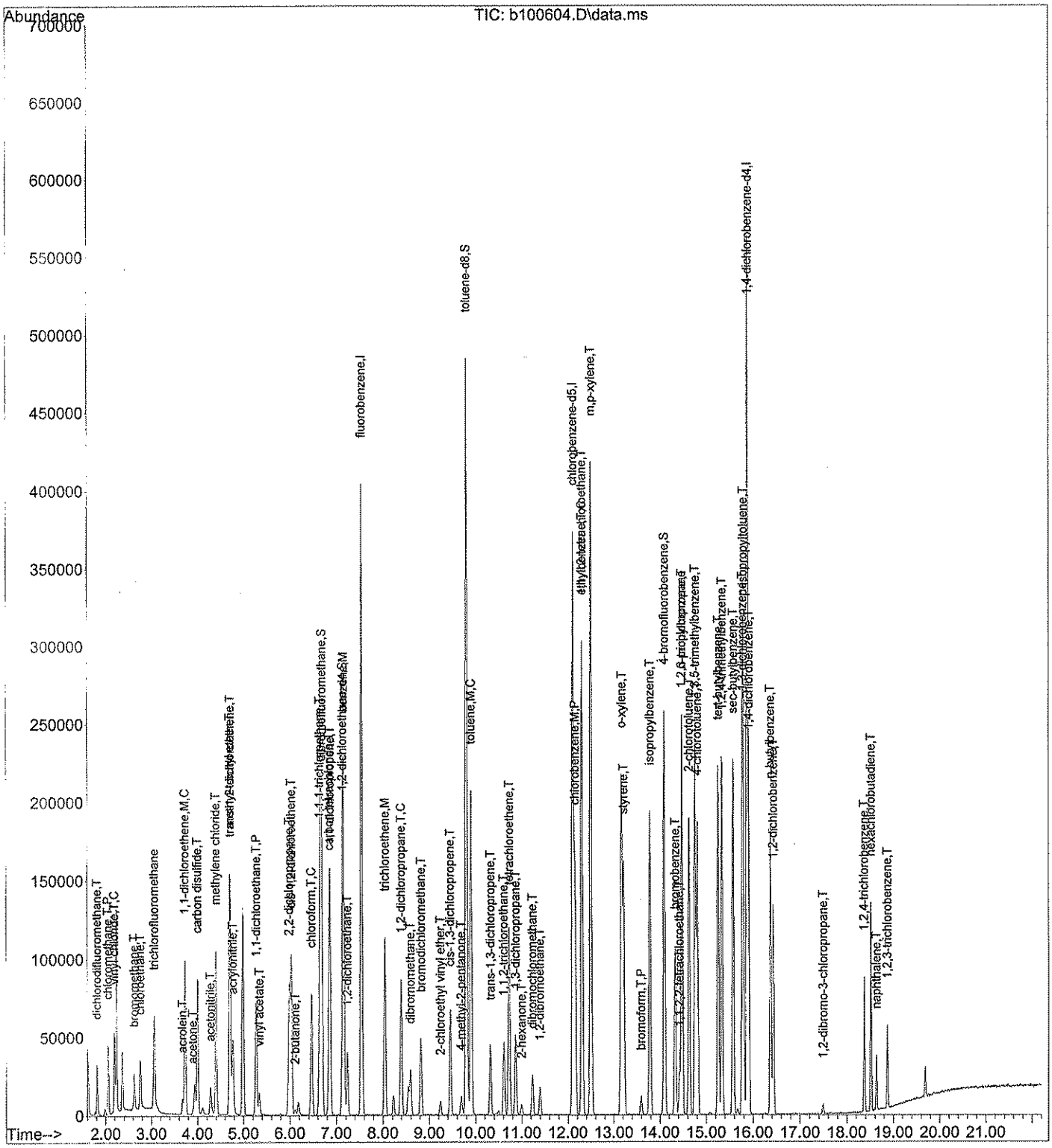
Quant Time: Oct 08 09:38:00 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2-hexanone	10.992	43	7121	4.57	ug/L		89
45) dibromochloromethane	11.229	129	20641	2.40	ug/L		97
46) 1,2-dibromoethane	11.394	107	18775	2.93	ug/L	#	99
47) chlorobenzene	12.148	112	129962	4.43	ug/L		97
48) 1,1,1,2-tetrachloroethane	12.300	131	36407	3.68	ug/L		100
49) ethylbenzene	12.300	91	240108	4.22	ug/L		99
50) m,p-xylene	12.494	106	194889	9.77	ug/L		100
51) o-xylene	13.169	106	88784	4.40	ug/L		97
52) styrene	13.212	104	124616	4.16	ug/L		98
53) isopropylbenzene	13.784	105	204108	4.45	ug/L		99
54) bromobenzene	14.337	156	44705	3.22	ug/L		99
55) bromoform	13.595	173	8873	1.47	ug/L		98
57) 1,2,3-trichloropropane	14.471	110	6260	4.11	ug/L		98
58) n-propylbenzene	14.477	91	263996	4.21	ug/L		100
59) 2-chlorotoluene	14.629	91	157488	4.10	ug/L		100
60) 4-chlorotoluene	14.811	91	176046	4.49	ug/L		100
61) 1,3,5-trimethylbenzene	14.763	105	187479	4.60	ug/L		100
63) 1,1,2,2-tetrachloroethane	14.422	83	18246	3.02	ug/L		91
64) tert-butylbenzene	15.255	119	155241	5.95	ug/L		100
65) sec-butylbenzene	15.578	105	223284	5.37	ug/L		100
66) 1,2,4-trimethylbenzene	15.334	105	180663	5.37	ug/L		100
67) 1,3-dichlorobenzene	15.772	146	88661	4.80	ug/L		99
68) p-isopropyltoluene	15.790	119	174027	5.86	ug/L		99
69) 1,4-dichlorobenzene	15.906	146	85548	5.00	ug/L		98
70) 1,2-dichlorobenzene	16.429	146	71363	4.75	ug/L		99
71) n-butylbenzene	16.368	91	128886	3.98	ug/L		99
72) 1,2-dibromo-3-chloropr...	17.493	75	1880	2.69	ug/L		94
73) 1,2,4-trichlorobenzene	18.375	180	27516	3.16	ug/L		95
74) hexachlorobutadiene	18.515	225	27211	6.22	ug/L		100
75) naphthalene	18.637	128	28085	3.31	ug/L		100
76) 1,2,3-trichlorobenzene	18.874	180	16943	2.62	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\msdchem\1\data\b100607\
Data File : b100604.D
Acq On : 7 Oct 2007 12:28 am
Operator : JDB
Sample : ,ICAL,ICAL H20 4 ppb,1,
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 08 09:38:00 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100605.D
Acq On : 7 Oct 2007 1:00 am
Operator : JDB
Sample : ,ICAL,ICAL H20 8 ppb,1,
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 08 09:38:21 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	482387	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	316644	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.873	152	141126	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.684	113	91522	6.52	ug/L		0.00
Spiked Amount 10.000			Recovery =	65.20%			
26) 1,2-dichloroethane-d4	7.128	65	80094	6.87	ug/L		0.00
Spiked Amount 10.000			Recovery =	68.70%			
38) toluene-d8	9.798	98	464621	11.77	ug/L		0.00
Spiked Amount 10.000			Recovery =	117.70%			
56) 4-bromofluorobenzene	14.097	95	141632	8.81	ug/L		0.00
Spiked Amount 10.000			Recovery =	88.10%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.813	85	59154	2.46	ug/L		96
3) chloromethane	2.056	50	99788	2.66	ug/L		99
4) vinyl chloride	2.196	62	104028	3.34	ug/L		96
5) bromomethane	2.622	94	34320	2.59	ug/L		97
6) chloroethane	2.761	64	61539	3.70	ug/L		94
7) trichlorofluoromethane	3.066	101	118226	3.52	ug/L	#	99
8) acrolein	3.674	56	20582	37.98	ug/L		94
9) 1,1-dichloroethene	3.734	96	93690	5.05	ug/L		99
10) acetone	3.905	43	9291	3.65	ug/L		88
11) carbon disulfide	4.002	76	285381	4.32	ug/L		99
12) methylene chloride	4.397	84	103539	5.01	ug/L		100
13) acrylonitrile	4.762	53	93162	48.52	ug/L		97
14) trans-1,2-dichloroethene	4.707	96	106761	5.03	ug/L		99
15) methyl-t-butyl ether	4.695	73	129217	4.51	ug/L		99
16) acetonitrile	4.276	41	39888	39.91	ug/L		100
17) 1,1-dichloroethane	5.267	63	190567	4.50	ug/L		99
18) vinyl acetate	5.334	43	56986	3.85	ug/L		98
19) cis-1,2-dichloroethene	6.027	96	109474	4.88	ug/L		99
20) 2,2-dichloropropane	5.991	77	151834	4.24	ug/L		99
21) 2-butanone	6.100	72	2752	4.92	ug/L		99
22) chloroform	6.465	83	162971	4.04	ug/L		100
24) 1,1,1-trichloroethane	6.641	97	151169	4.80	ug/L		98
25) carbon tetrachloride	6.842	117	125211	4.99	ug/L		98
27) benzene	7.152	78	433133	5.56	ug/L		99
28) 1,1-dichloropropene	6.860	75	142387	5.01	ug/L		99
29) 1,2-dichloroethane	7.237	62	84307	4.41	ug/L		97
30) trichloroethene	8.040	95	105705	4.81	ug/L		99
31) 1,2-dichloropropane	8.387	63	96761	4.62	ug/L		96
32) dibromomethane	8.593	93	30287	3.45	ug/L		99
33) bromodichloromethane	8.818	83	99470	3.58	ug/L		98
34) 2-chloroethyl vinyl ether	9.244	63	14142	3.34	ug/L		100
36) cis-1,3-dichloropropene	9.451	75	115370	5.63	ug/L		98
37) 4-methyl-2-pentanone	9.688	43	27087	6.66	ug/L		94
39) toluene	9.901	92	272178	8.18	ug/L		98
40) 1,1,2-trichloroethane	10.612	83	38815	5.89	ug/L		95
41) 1,3-dichloropropane	10.862	76	87022	6.55	ug/L		100
42) tetrachloroethene	10.728	164	87565	6.65	ug/L		96
43) trans-1,3-dichloropropene	10.321	75	74905	5.71	ug/L		98

Data Path : D:\msdchem\1\data\b100607\
Data File : b100605.D
Acq On : 7 Oct 2007 1:00 am
Operator : JDB
Sample : ,ICAL,ICAL H20 8 ppb,1,
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 08 09:38:21 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

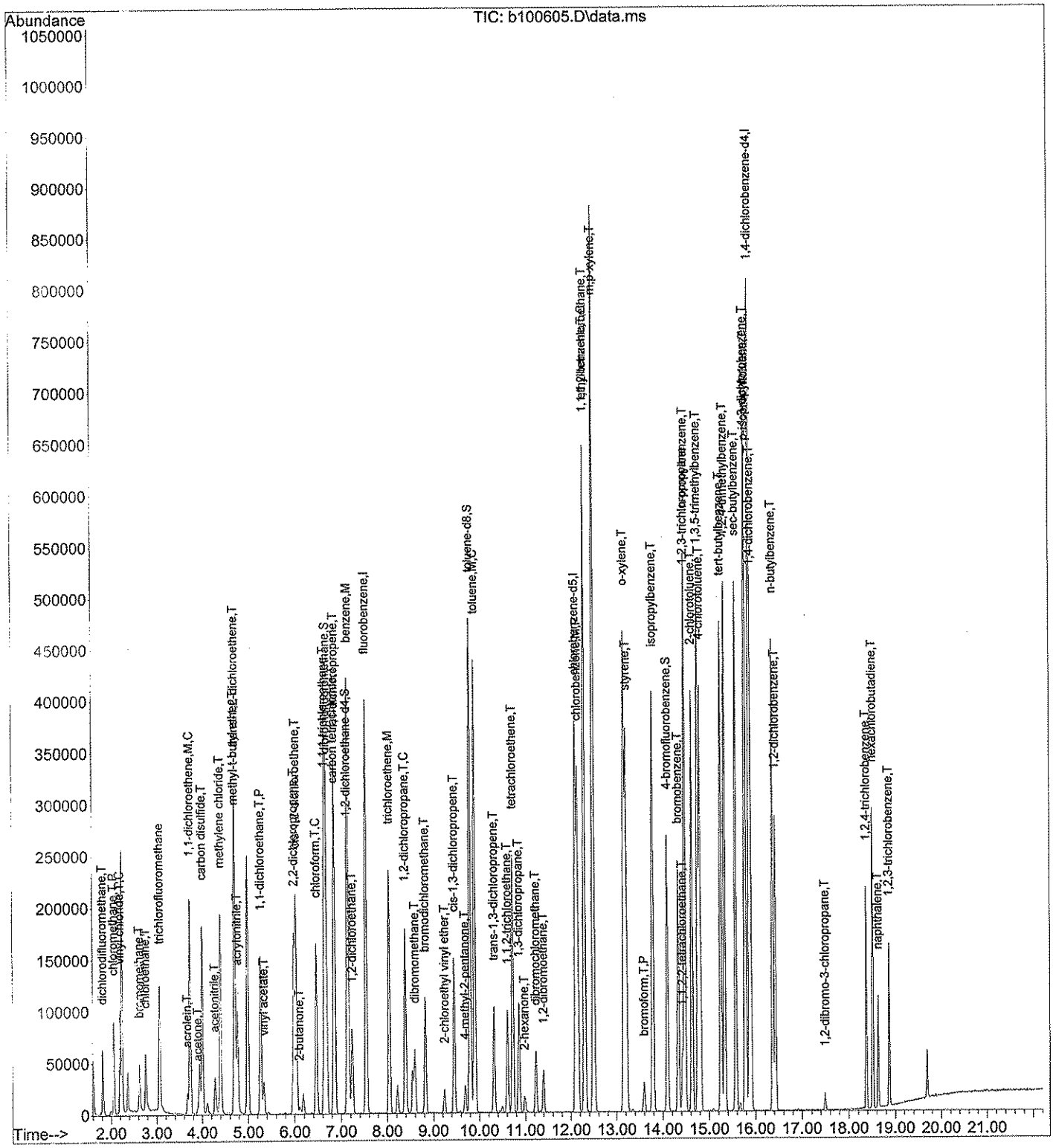
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2-hexanone	10.983	43	16500	10.51	ug/L	93
45)	dibromochloromethane	11.233	129	46806	5.40	ug/L	98
46)	1,2-dibromoethane	11.397	107	40444	6.26	ug/L	99
47)	chlorobenzene	12.151	112	269829	9.13	ug/L	97
48)	1,1,1,2-tetrachloroethane	12.303	131	79682	8.00	ug/L	99
49)	ethylbenzene	12.297	91	508657	8.88	ug/L	99
50)	m,p-xylene	12.492	106	413177	20.57	ug/L	100
51)	o-xylene	13.167	106	190621	9.38	ug/L	99
52)	styrene	13.215	104	284728	9.43	ug/L	98
53)	isopropylbenzene	13.787	105	440018	9.53	ug/L	100
54)	bromobenzene	14.334	156	93386	6.68	ug/L	99
55)	bromoform	13.592	173	20421	3.37	ug/L	95
57)	1,2,3-trichloropropane	14.468	110	13213	8.61	ug/L	100
58)	n-propylbenzene	14.474	91	564392	8.94	ug/L	100
59)	2-chlorotoluene	14.632	91	332126	8.59	ug/L	100
60)	4-chlorotoluene	14.809	91	374440	9.48	ug/L	100
61)	1,3,5-trimethylbenzene	14.760	105	404238	9.85	ug/L	100
63)	1,1,2,2-tetrachloroethane	14.425	83	40807	6.53	ug/L	96
64)	tert-butylbenzene	15.253	119	336652	12.45	ug/L	99
65)	sec-butylbenzene	15.575	105	494028	11.47	ug/L	100
66)	1,2,4-trimethylbenzene	15.338	105	397444	11.39	ug/L	100
67)	1,3-dichlorobenzene	15.776	146	191039	9.98	ug/L	99
68)	p-isopropyltoluene	15.794	119	396672	12.89	ug/L	99
69)	1,4-dichlorobenzene	15.903	146	182602	10.30	ug/L	99
70)	1,2-dichlorobenzene	16.432	146	152310	9.79	ug/L	99
71)	n-butylbenzene	16.371	91	311020	9.26	ug/L	97
72)	1,2-dibromo-3-chloropr...	17.490	75	4438	6.12	ug/L	99
73)	1,2,4-trichlorobenzene	18.378	180	72061	7.98	ug/L	99
74)	hexachlorobutadiene	18.518	225	61469	13.55	ug/L	99
75)	naphthalene	18.634	128	81059	9.22	ug/L	100
76)	1,2,3-trichlorobenzene	18.871	180	49119	7.32	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100605.D
Acq On : 7 Oct 2007 1:00 am
Operator : JDB
Sample : ,ICAL,ICAL H20 8 ppb,1,
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 08 09:38:21 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100606.D
Acq On : 7 Oct 2007 1:32 am
Operator : JDB
Sample : ,ICAL,ICAL H20 10 ppb,1,
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 08 09:30:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:29:57 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	485835	10.00	ug/L		0.00
35) chlorobenzene-d5	12.103	117	320209	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.873	152	142744	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.684	113	91343	6.46	ug/L		0.00
Spiked Amount 10.000			Recovery =	64.60%			
26) 1,2-dichloroethane-d4	7.128	65	79478	6.77	ug/L		0.00
Spiked Amount 10.000			Recovery =	67.70%			
38) toluene-d8	9.798	98	468232	11.73	ug/L		0.00
Spiked Amount 10.000			Recovery =	117.30%			
56) 4-bromofluorobenzene	14.097	95	142086	8.74	ug/L		0.00
Spiked Amount 10.000			Recovery =	87.40%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.813	85	73793	3.04	ug/L		96
3) chloromethane	2.056	50	129129	3.41	ug/L		97
4) vinyl chloride	2.196	62	135237	4.31	ug/L		91
5) bromomethane	2.622	94	45817	3.43	ug/L		97
6) chloroethane	2.756	64	78364	4.68	ug/L		96
7) trichlorofluoromethane	3.060	101	152795	4.52	ug/L	#	98
8) acrolein	3.674	56	26315	48.21	ug/L		88
9) 1,1-dichloroethene	3.735	96	118422	6.34	ug/L		99
10) acetone	3.899	43	11682	4.55	ug/L		87
11) carbon disulfide	4.002	76	361342	5.44	ug/L		96
12) methylene chloride	4.398	84	127223	6.11	ug/L		93
13) acrylonitrile	4.762	53	119277	61.69	ug/L		92
14) trans-1,2-dichloroethene	4.708	96	135169	6.33	ug/L		95
15) methyl-t-butyl ether	4.696	73	165523	5.73	ug/L		84
16) acetonitrile	4.276	41	48537	48.22	ug/L		98
17) 1,1-dichloroethane	5.267	63	241423	5.66	ug/L		94
18) vinyl acetate	5.334	43	68734	4.61	ug/L		93
19) cis-1,2-dichloroethene	6.027	96	140244	6.21	ug/L		94
20) 2,2-dichloropropane	5.985	77	191366	5.31	ug/L		98
21) 2-butanone	6.106	72	3635	6.46	ug/L	#	64
22) chloroform	6.465	83	208368	5.13	ug/L		99
24) 1,1,1-trichloroethane	6.642	97	192927	6.09	ug/L		95
25) carbon tetrachloride	6.842	117	160391	6.35	ug/L		97
27) benzene	7.152	78	548500	6.99	ug/L		97
28) 1,1-dichloropropene	6.860	75	179491	6.27	ug/L	#	91
29) 1,2-dichloroethane	7.231	62	106214	5.52	ug/L		92
30) trichloroethene	8.040	95	133806	6.04	ug/L		88
31) 1,2-dichloropropane	8.387	63	122142	5.79	ug/L		92
32) dibromomethane	8.594	93	38989	4.41	ug/L		100
33) bromodichloromethane	8.819	83	128560	4.59	ug/L		97
34) 2-chloroethyl vinyl ether	9.238	63	18576	4.36	ug/L	#	91
36) cis-1,3-dichloropropene	9.451	75	147882	7.14	ug/L		98
37) 4-methyl-2-pentanone	9.688	43	34646	8.42	ug/L	#	87
39) toluene	9.901	92	347052	10.31	ug/L		93
40) 1,1,2-trichloroethane	10.613	83	48923	7.35	ug/L		87
41) 1,3-dichloropropane	10.862	76	109468	8.14	ug/L	#	84
42) tetrachloroethene	10.728	164	109609	8.23	ug/L	#	79
43) trans-1,3-dichloropropene	10.321	75	96558	7.28	ug/L		97

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100606.D
Acq On : 7 Oct 2007 1:32 am
Operator : JDB
Sample : ,ICAL,ICAL H20 10 ppb,1,
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 08 09:30:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:29:57 2007
Response via : Initial Calibration

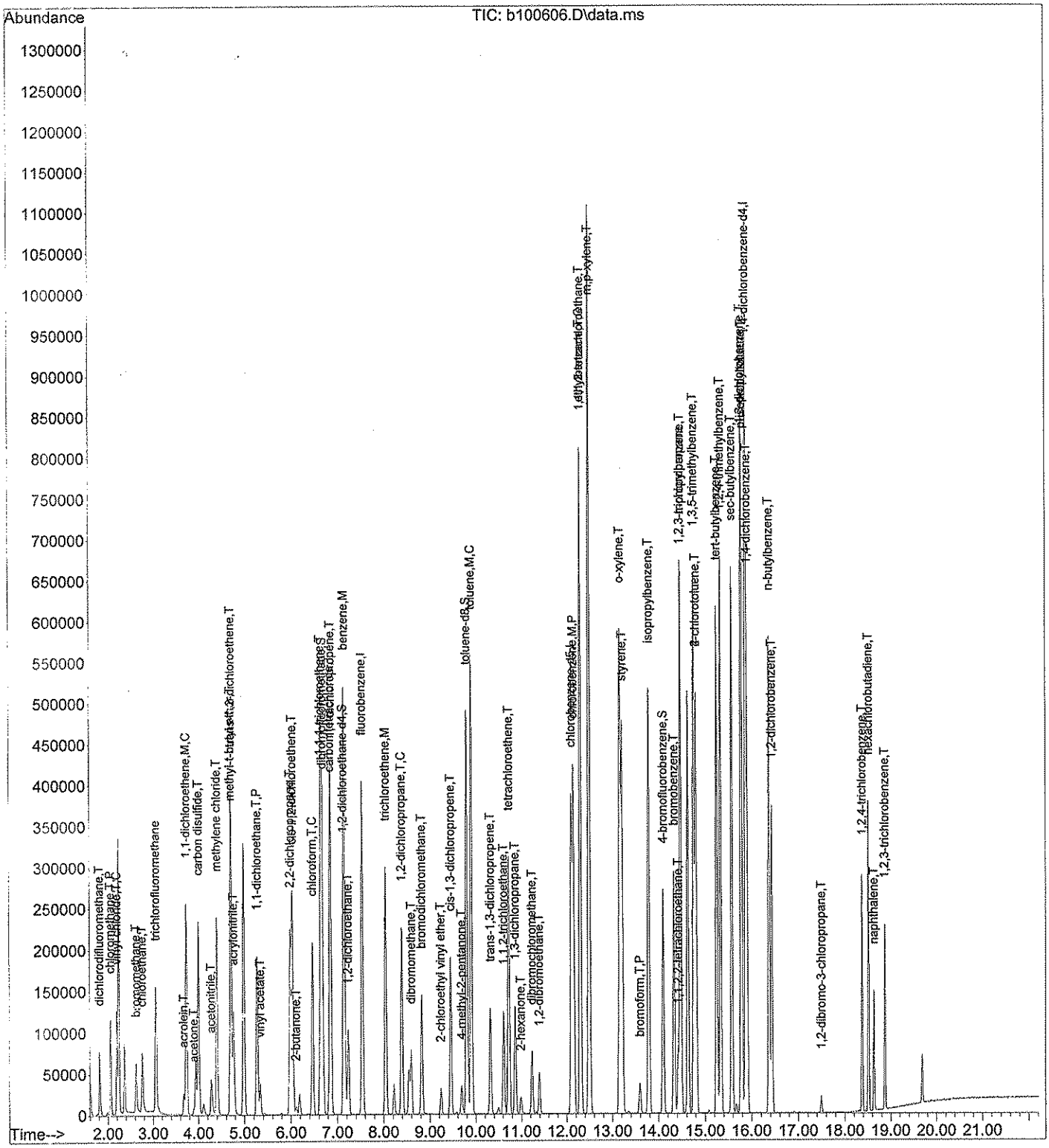
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2-hexanone	10.984	43	21026	13.25	ug/L	#	40
45) dibromochloromethane	11.233	129	61808	7.06	ug/L		93
46) 1,2-dibromoethane	11.391	107	51746	7.92	ug/L		96
47) chlorobenzene	12.145	112	344595	11.53	ug/L		92
48) 1,1,1,2-tetrachloroethane	12.303	131	101614	10.09	ug/L		91
49) ethylbenzene	12.297	91	647053	11.17	ug/L		88
50) m,p-xylene	12.492	106	524788	25.84	ug/L		91
51) o-xylene	13.167	106	242517	11.80	ug/L		92
52) styrene	13.215	104	369388	12.09	ug/L		91
53) isopropylbenzene	13.787	105	560018	11.99	ug/L		91
54) bromobenzene	14.334	156	120057	8.49	ug/L	#	79
55) bromoform	13.592	173	26803	4.37	ug/L		98
57) 1,2,3-trichloropropane	14.468	110	16635	10.72	ug/L	#	33
58) n-propylbenzene	14.474	91	722106	11.31	ug/L	#	89
59) 2-chlorotoluene	14.809	91	477734	11.98	ug/L		97
60) 4-chlorotoluene	14.809	91	477734	11.96	ug/L		93
61) 1,3,5-trimethylbenzene	14.760	105	518817	12.51	ug/L		89
63) 1,1,2,2-tetrachloroethane	14.426	83	52479	8.30	ug/L		95
64) tert-butylbenzene	15.253	119	432959	15.83	ug/L	#	83
65) sec-butylbenzene	15.575	105	636072	14.60	ug/L		93
66) 1,2,4-trimethylbenzene	15.338	105	506627	14.35	ug/L		92
67) 1,3-dichlorobenzene	15.776	146	243837	12.59	ug/L		93
68) p-isopropyltoluene	15.794	119	510839	16.42	ug/L		92
69) 1,4-dichlorobenzene	15.903	146	234609	13.09	ug/L		89
70) 1,2-dichlorobenzene	16.432	146	194457	12.36	ug/L		92
71) n-butylbenzene	16.372	91	404260	11.89	ug/L		91
72) 1,2-dibromo-3-chloropr...	17.491	75	5655	7.71	ug/L	#	60
73) 1,2,4-trichlorobenzene	18.379	180	95978	10.51	ug/L		97
74) hexachlorobutadiene	18.518	225	79216	17.27	ug/L		96
75) naphthalene	18.634	128	112246	12.62	ug/L		100
76) 1,2,3-trichlorobenzene	18.871	180	67648	9.96	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100606.D
Acq On : 7 Oct 2007 1:32 am
Operator : JDB
Sample : ,ICAL,ICAL H20 10 ppb,1,
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 08 09:30:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:29:57 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100607.D
Acq On : 7 Oct 2007 2:03 am
Operator : JDB
Sample : ,ICAL,ICAL H20 20 ppb,1,
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 08 09:38:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	491091	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	325093	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	146951	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.683	113	92580	6.48	ug/L		0.00
Spiked Amount 10.000			Recovery =	64.80%			
26) 1,2-dichloroethane-d4	7.133	65	79231	6.68	ug/L		0.00
Spiked Amount 10.000			Recovery =	66.80%			
38) toluene-d8	9.797	98	472095	11.65	ug/L		0.00
Spiked Amount 10.000			Recovery =	116.50%			
56) 4-bromofluorobenzene	14.097	95	145428	8.81	ug/L		0.00
Spiked Amount 10.000			Recovery =	88.10%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	148508	6.06	ug/L		99
3) chloromethane	2.055	50	267363	6.99	ug/L		99
4) vinyl chloride	2.195	62	279962	8.82	ug/L		97
5) bromomethane	2.609	94	58482	4.33	ug/L		97
6) chloroethane	2.749	64	152903	9.04	ug/L		97
7) trichlorofluoromethane	3.059	101	311271	9.11	ug/L	#	100
8) acrolein	3.673	56	56703	102.78	ug/L		96
9) 1,1-dichloroethene	3.728	96	240515	12.74	ug/L		98
10) acetone	3.892	43	23115	8.91	ug/L		86
11) carbon disulfide	4.001	76	737287	10.97	ug/L		100
12) methylene chloride	4.397	84	242808	11.54	ug/L		99
13) acrylonitrile	4.762	53	248718	127.25	ug/L		97
14) trans-1,2-dichloroethene	4.707	96	271833	12.59	ug/L		97
15) methyl-t-butyl ether	4.689	73	346441	11.87	ug/L		100
16) acetonitrile	4.275	41	100019	98.30	ug/L		96
17) 1,1-dichloroethane	5.266	63	487743	11.31	ug/L		99
18) vinyl acetate	5.333	43	144174	9.57	ug/L		99
19) cis-1,2-dichloroethene	6.033	96	283397	12.41	ug/L		98
20) 2,2-dichloropropane	5.990	77	387127	10.62	ug/L		100
21) 2-butanone	6.100	72	7667	13.47	ug/L		94
22) chloroform	6.464	83	415800	10.13	ug/L		99
24) 1,1,1-trichloroethane	6.641	97	390612	12.19	ug/L		99
25) carbon tetrachloride	6.841	117	328224	12.85	ug/L		99
27) benzene	7.152	78	1113691	14.04	ug/L		99
28) 1,1-dichloropropene	6.860	75	369768	12.79	ug/L		99
29) 1,2-dichloroethane	7.231	62	213862	11.00	ug/L		99
30) trichloroethene	8.039	95	272381	12.17	ug/L		97
31) 1,2-dichloropropane	8.392	63	248302	11.64	ug/L		96
32) dibromomethane	8.593	93	78338	8.77	ug/L		97
33) bromodichloromethane	8.818	83	266167	9.40	ug/L		100
34) 2-chloroethyl vinyl ether	9.244	63	43517	10.10	ug/L		98
36) cis-1,3-dichloropropene	9.450	75	307932	14.65	ug/L		98
37) 4-methyl-2-pentanone	9.681	43	73818	17.67	ug/L		95
39) toluene	9.900	92	705156	20.64	ug/L		99
40) 1,1,2-trichloroethane	10.612	83	99981	14.79	ug/L		98
41) 1,3-dichloropropane	10.861	76	227202	16.65	ug/L		99
42) tetrachloroethene	10.727	164	224046	16.57	ug/L		99
43) trans-1,3-dichloropropene	10.320	75	206476	15.33	ug/L		99

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100607.D
Acq On : 7 Oct 2007 2:03 am
Operator : JDB
Sample : ,ICAL,ICAL H20 20 ppb,1,
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 08 09:38:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

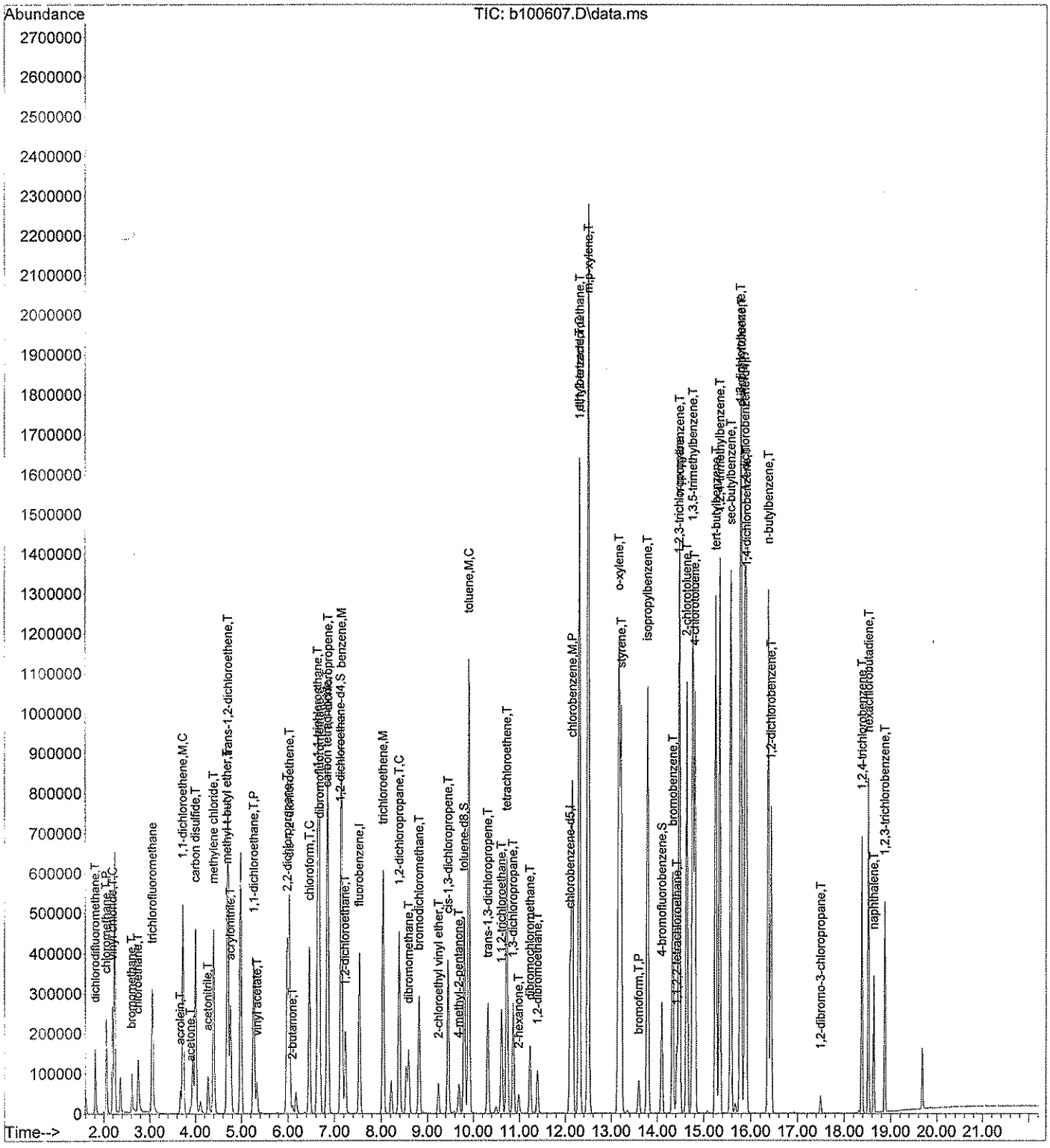
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2-hexanone	10.983	43	46049	28.58	ug/L	98
45) dibromochloromethane	11.232	129	131423	14.78	ug/L	99
46) 1,2-dibromoethane	11.396	107	107714	16.23	ug/L	99
47) chlorobenzene	12.150	112	700230	23.08	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.303	131	212008	20.74	ug/L	99
49) ethylbenzene	12.296	91	1326722	22.56	ug/L	99
50) m,p-xylene	12.491	106	1069071	51.85	ug/L	100
51) o-xylene	13.166	106	497075	23.82	ug/L	100
52) styrene	13.215	104	776884	25.05	ug/L	99
53) isopropylbenzene	13.780	105	1163909	24.55	ug/L	100
54) bromobenzene	14.334	156	248056	17.28	ug/L	99
55) bromoform	13.592	173	61082	9.81	ug/L	98
57) 1,2,3-trichloropropane	14.467	110	33804	21.45	ug/L	99
58) n-propylbenzene	14.474	91	1497930	23.10	ug/L	99
59) 2-chlorotoluene	14.632	91	870477	21.92	ug/L	99
60) 4-chlorotoluene	14.808	91	981707	24.21	ug/L	100
61) 1,3,5-trimethylbenzene	14.759	105	1079775	25.64	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.425	83	109302	16.79	ug/L	98
64) tert-butylbenzene	15.252	119	905543	32.15	ug/L	100
65) sec-butylbenzene	15.574	105	1342254	29.93	ug/L	100
66) 1,2,4-trimethylbenzene	15.337	105	1067228	29.37	ug/L	100
67) 1,3-dichlorobenzene	15.775	146	497767	24.97	ug/L	100
68) p-isopropyltoluene	15.793	119	1094271	34.16	ug/L	99
69) 1,4-dichlorobenzene	15.903	146	484475	26.25	ug/L	99
70) 1,2-dichlorobenzene	16.432	146	400291	24.71	ug/L	99
71) n-butylbenzene	16.371	91	924595	26.42	ug/L	99
72) 1,2-dibromo-3-chloropr...	17.490	75	12369	16.39	ug/L	95
73) 1,2,4-trichlorobenzene	18.378	180	226053	24.05	ug/L	97
74) hexachlorobutadiene	18.518	225	174999	37.05	ug/L	99
75) naphthalene	18.633	128	268831	29.36	ug/L	100
76) 1,2,3-trichlorobenzene	18.870	180	165176	23.63	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100607.D
Acq On : 7 Oct 2007 2:03 am
Operator : JDB
Sample : ,ICAL,ICAL H20 20 ppb,1,
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 08 09:38:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100608.D
Acq On : 7 Oct 2007 2:35 am
Operator : JDB
Sample : ,ICAL,ICAL H20 40 ppb,1,
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 08 09:39:36 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	492341	10.00	ug/L		0.00
35) chlorobenzene-d5	12.103	117	331863	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.873	152	154637	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.684	113	93831	6.55	ug/L		0.00
Spiked Amount 10.000			Recovery =	65.50%			
26) 1,2-dichloroethane-d4	7.128	65	79762	6.70	ug/L		0.00
Spiked Amount 10.000			Recovery =	67.00%			
38) toluene-d8	9.798	98	480308	11.61	ug/L		0.00
Spiked Amount 10.000			Recovery =	116.10%			
56) 4-bromofluorobenzene	14.097	95	151324	8.98	ug/L		0.00
Spiked Amount 10.000			Recovery =	89.80%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.807	85	285785	11.64	ug/L		100
3) chloromethane	2.050	50	533368	13.92	ug/L		99
4) vinyl chloride	2.196	62	555524	17.46	ug/L		97
5) bromomethane	2.604	94	34701	2.56	ug/L		99
6) chloroethane	2.737	64	298834	17.62	ug/L		99
7) trichlorofluoromethane	3.054	101	607860	17.75	ug/L	#	100
8) acrolein	3.668	56	119396	215.86	ug/L		98
9) 1,1-dichloroethene	3.729	96	488364	25.80	ug/L		100
10) acetone	3.893	43	45920	17.66	ug/L		96
11) carbon disulfide	3.996	76	1487475	22.08	ug/L		100
12) methylene chloride	4.398	84	478634	22.68	ug/L		98
13) acrylonitrile	4.762	53	501216	255.79	ug/L		99
14) trans-1,2-dichloroethene	4.708	96	548003	25.32	ug/L		99
15) methyl-t-butyl ether	4.689	73	705323	24.10	ug/L		98
16) acetonitrile	4.276	41	204317	200.29	ug/L		96
17) 1,1-dichloroethane	5.267	63	976565	22.58	ug/L		99
18) vinyl acetate	5.328	43	285626	18.91	ug/L		100
19) cis-1,2-dichloroethene	6.027	96	571754	24.97	ug/L		99
20) 2,2-dichloropropane	5.985	77	775370	21.21	ug/L		100
21) 2-butanone	6.088	72	16213	28.42	ug/L		93
22) chloroform	6.465	83	837053	20.34	ug/L		99
24) 1,1,1-trichloroethane	6.642	97	785356	24.45	ug/L		99
25) carbon tetrachloride	6.842	117	670318	26.17	ug/L		99
27) benzene	7.152	78	2228152	28.03	ug/L		100
28) 1,1-dichloropropene	6.860	75	744024	25.67	ug/L		99
29) 1,2-dichloroethane	7.231	62	432024	22.16	ug/L		99
30) trichloroethene	8.040	95	551717	24.58	ug/L		99
31) 1,2-dichloropropane	8.393	63	503062	23.53	ug/L		99
32) dibromomethane	8.594	93	160500	17.92	ug/L		99
33) bromodichloromethane	8.819	83	550821	19.41	ug/L		100
34) 2-chloroethyl vinyl ether	9.238	63	100804	23.34	ug/L		99
36) cis-1,3-dichloropropene	9.451	75	634154	29.55	ug/L		98
37) 4-methyl-2-pentanone	9.682	43	156756	36.76	ug/L		96
39) toluene	9.901	92	1428291	40.95	ug/L		98
40) 1,1,2-trichloroethane	10.613	83	204962	29.69	ug/L		98
41) 1,3-dichloropropane	10.862	76	460855	33.08	ug/L		99
42) tetrachloroethene	10.728	164	451035	32.69	ug/L		99
43) trans-1,3-dichloropropene	10.321	75	426340	31.02	ug/L		100

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100608.D
Acq On : 7 Oct 2007 2:35 am
Operator : JDB
Sample : ,ICAL,ICAL H20 40 ppb,1,
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 08 09:39:36 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

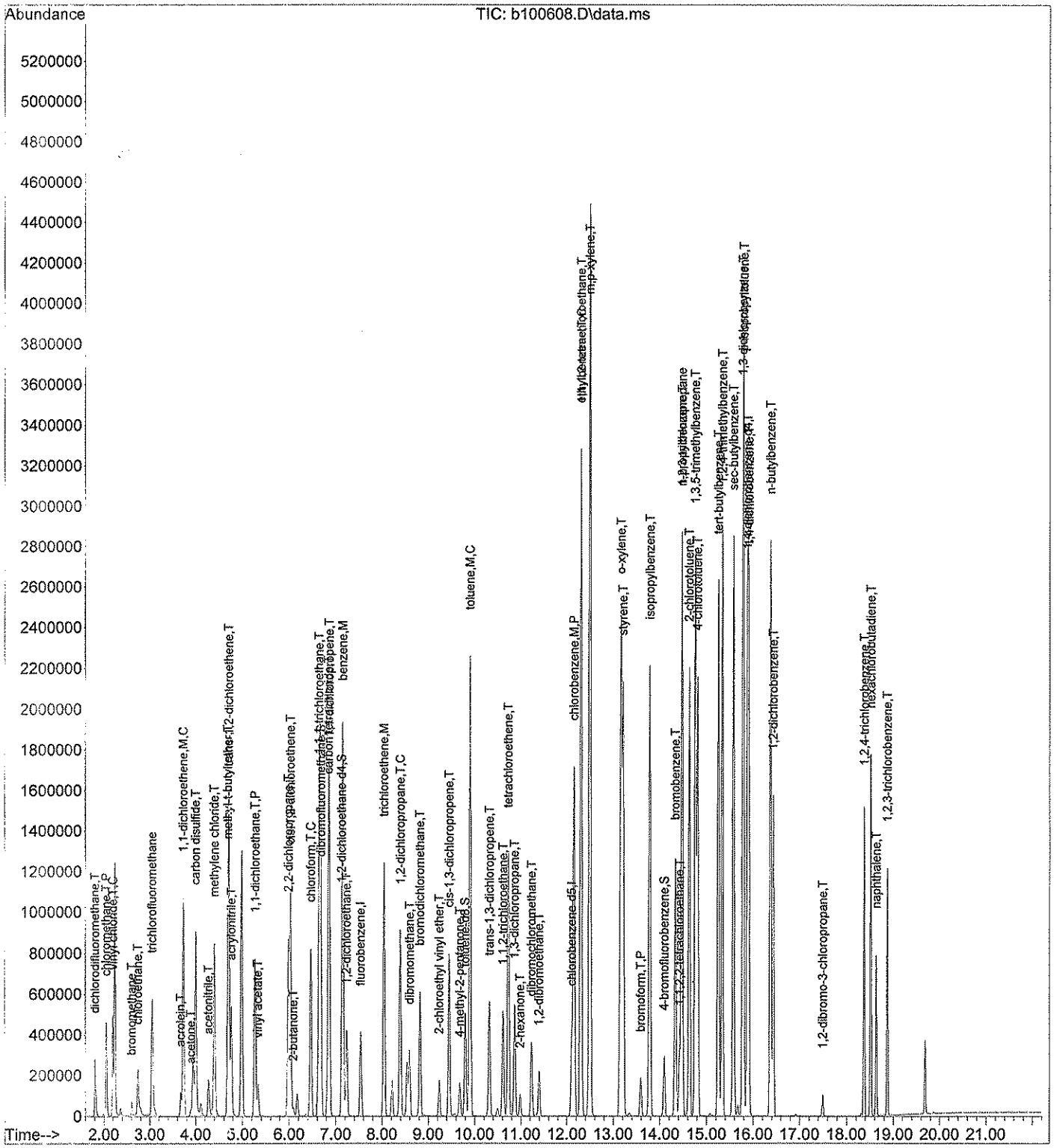
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2-hexanone	10.984	43	102802	62.50	ug/L	95
45) dibromochloromethane	11.233	129	287035	31.62	ug/L	96
46) 1,2-dibromoethane	11.391	107	221505	32.70	ug/L	100
47) chlorobenzene	12.151	112	1423746	45.97	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.303	131	432293	41.43	ug/L	100
49) ethylbenzene	12.303	91	2699855	44.98	ug/L	100
50) m,p-xylene	12.492	106	2188292	103.97	ug/L	97
51) o-xylene	13.167	106	1022460	47.99	ug/L	99
52) styrene	13.209	104	1627467	51.41	ug/L	99
53) isopropylbenzene	13.787	105	2404700	49.69	ug/L	100
54) bromobenzene	14.334	156	515178	35.16	ug/L	98
55) bromoform	13.592	173	136669	21.50	ug/L	98
57) 1,2,3-trichloropropane	14.474	110	71427	44.40	ug/L	99
58) n-propylbenzene	14.474	91	3087127	46.64	ug/L	100
59) 2-chlorotoluene	14.632	91	1790007	44.15	ug/L	99
60) 4-chlorotoluene	14.809	91	2027794	48.98	ug/L	100
61) 1,3,5-trimethylbenzene	14.760	105	2241760	52.14	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.426	83	227350	33.18	ug/L	95
64) tert-butylbenzene	15.253	119	1891061	63.81	ug/L	100
65) sec-butylbenzene	15.575	105	2796498	59.26	ug/L	100
66) 1,2,4-trimethylbenzene	15.338	105	2216644	57.97	ug/L	100
67) 1,3-dichlorobenzene	15.776	146	1031736	49.18	ug/L	100
68) p-isopropyltoluene	15.794	119	2309838	68.53	ug/L	99
69) 1,4-dichlorobenzene	15.903	146	1001480	51.57	ug/L	99
70) 1,2-dichlorobenzene	16.432	146	819821	48.09	ug/L	100
71) n-butylbenzene	16.372	91	1998557	54.28	ug/L	99
72) 1,2-dibromo-3-chloropr...	17.491	75	28460	35.84	ug/L	91
73) 1,2,4-trichlorobenzene	18.378	180	512879	51.84	ug/L	96
74) hexachlorobutadiene	18.518	225	382601	76.98	ug/L	99
75) naphthalene	18.634	128	604255	62.71	ug/L	100
76) 1,2,3-trichlorobenzene	18.871	180	373798	50.82	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100608.D
Acq On : 7 Oct 2007 2:35 am
Operator : JDB
Sample : ,ICAL,ICAL H20 40 ppb,1,
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 08 09:39:36 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



CONTINUING CALIBRATION RAW DATA

Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101002.D
Acq On : 10 Oct 2007 5:53 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 07:02:46 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	fluorobenzene	1.000	1.000	0.0	94	0.00
2	T	dichlorodifluoromethane	0.151	0.189	-25.2#	116	0.00
3	T,P	chloromethane	0.266	0.289#	-8.6	102	0.00
4	T,C	vinyl chloride	0.278	0.282	-1.4	95	0.00
5	T	bromomethane	0.090	0.075	16.7	74	0.01
6	T	chloroethane	0.164	0.156	4.9	90	0.02
7		trichlorofluoromethane	0.308	0.329	-6.8	98	0.01
8	T	acrolein	0.006	0.005	16.7	82	0.00
9	M,C	1,1-dichloroethene	0.242	0.236	2.5	91	0.00
10	T	acetone	0.024	0.026	-8.3	100	0.00
11	T	carbon disulfide	0.754	0.721	4.4	91	0.00
12	T	methylene chloride	0.276	0.254	8.0	91	0.00
13	T	acrylonitrile	0.025	0.022	12.0	83	0.00
14	T	trans-1,2-dichloroethene	0.277	0.273	1.4	92	0.00
15	T	methyl-t-butyl ether	0.346	0.312	9.8	86	0.00
16	T	acetonitrile	0.011	0.011	0.0	105	0.00
17	T,P	1,1-dichloroethane	0.500	0.464	7.2	87	0.00
18	T	vinyl acetate	0.142	0.127	10.6	84	0.00
19	T	cis-1,2-dichloroethene	0.288	0.275	4.5	89	0.00
20	T	2,2-dichloropropane	0.393	0.367	6.6	87	0.00
21	T	2-butanone	0.007	0.007	0.0	87	0.02
22	T,C	chloroform	0.429	0.405	5.6	88	0.00
23	S	dibromofluoromethane	0.188	0.192	-2.1	96	0.00
24	T	1,1,1-trichloroethane	0.390	0.366	6.2	86	0.00
25	T	carbon tetrachloride	0.320	0.301	5.9	85	0.00
26	S	1,2-dichloroethane-d4	0.164	0.166	-1.2	95	0.00
27	M	benzene	1.137	1.084	4.7	90	0.00
28	T	1,1-dichloropropene	0.366	0.336	8.2	85	0.00
29	T	1,2-dichloroethane	0.221	0.208	5.9	89	0.00
30	M	trichloroethene	0.275	0.257	6.5	87	0.00
31	T,C	1,2-dichloropropane	0.252	0.231	8.3	86	0.00
32	T	dibromomethane	0.080	0.074	7.5	87	0.00
33	T	bromodichloromethane	0.259	0.237	8.5	84	0.00
34	T	2-chloroethyl vinyl ether	0.037	0.022	40.5#	53	0.00
35	I	chlorobenzene-d5	1.000	1.000	0.0	94	0.00
36	T	cis-1,3-dichloropropene	0.453	0.403	11.0	82	0.00
37	T	4-methyl-2-pentanone	0.108	0.089	17.6	77	0.00
38	S	toluene-d8	1.456	1.460	-0.3	94	0.00
39	M,C	toluene	1.096	1.025	6.5	89	0.00
40	T	1,1,2-trichloroethane	0.153	0.143	6.5	88	0.00
41	T	1,3-dichloropropane	0.347	0.320	7.8	88	0.00
42	T	tetrachloroethene	0.343	0.336	2.0	93	0.00
43	T	trans-1,3-dichloropropene	0.296	0.265	10.5	83	0.00
44	T	2-hexanone	0.065	0.053	18.5	76	0.00
45	T	dibromochloromethane	0.185	0.174	5.9	85	0.00
46	T	1,2-dibromoethane	0.159	0.148	6.9	86	0.00
47	M,P	chlorobenzene	1.081	1.025	5.2	90	0.00
48	T	1,1,1,2-tetrachloroethane	0.310	0.300	3.2	89	0.00
49	T,C	ethylbenzene	2.009	1.897	5.6	89	0.00

Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101002.D
Acq On : 10 Oct 2007 5:53 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 07:02:46 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50	T	m,p-xylene	0.819	0.777	5.1	90	0.00
51	T	o-xylene	0.753	0.688	8.6	86	0.00
52	T	styrene	1.092	1.052	3.7	86	0.00
53	T	isopropylbenzene	1.710	1.624	5.0	88	0.00
54	T	bromobenzene	0.376	0.364	3.2	92	0.00
55	T,P	bromoform	0.082	0.078#	4.9	87	0.00
56	S	4-bromofluorobenzene	0.444	0.432	2.7	92	0.00
57		1,2,3-trichloropropane	0.053	0.052	1.9	94	0.00
58	T	n-propylbenzene	2.204	2.143	2.8	90	0.00
59	T	2-chlorotoluene	1.314	1.249	4.9	89	0.00
60	T	4-chlorotoluene	1.478	1.420	3.9	90	0.00
61	T	1,3,5-trimethylbenzene	1.582	1.554	1.8	91	0.00
62	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
63	T	1,1,2,2-tetrachloroethane	0.361	0.344	4.7	92	0.00
64	T	tert-butylbenzene	2.966	2.740	7.6	89	0.00
65	T	sec-butylbenzene	4.303	4.087	5.0	90	0.00
66	T	1,2,4-trimethylbenzene	3.530	3.273	7.3	90	0.00
67	T	1,3-dichlorobenzene	1.701	1.615	5.1	93	0.00
68	T	p-isopropyltoluene	3.404	3.305	2.9	91	0.00
69	T	1,4-dichlorobenzene	1.648	1.548	6.1	92	0.00
70	T	1,2-dichlorobenzene	1.355	1.288	4.9	93	0.00
71	T	n-butylbenzene	2.665	2.557	4.1	88	0.00
72	T	1,2-dibromo-3-chloropropane	0.039	0.036	7.7	90	0.00
73	T	1,2,4-trichlorobenzene	0.593	0.555	6.4	81	0.00
74	T	hexachlorobutadiene	0.531	0.543	-2.3	96	0.00
75	T	naphthalene	0.722	0.579	19.8	72	0.00
76	T	1,2,3-trichlorobenzene	0.402	0.401	0.2	83	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101002.D
Acq On : 10 Oct 2007 5:53 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial #: 2 Sample Multiplier: 1

Quant Time: Oct 10 07:02:46 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.540	96	454485	10.00	ug/L		0.00
35) chlorobenzene-d5	12.101	117	302099	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	139926	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.683	113	87329	10.20	ug/L		0.00
Spiked Amount 10.000			Recovery = 102.00%				
26) 1,2-dichloroethane-d4	7.133	65	75319	10.11	ug/L		0.00
Spiked Amount 10.000			Recovery = 101.10%				
38) toluene-d8	9.803	98	441137	10.03	ug/L		0.00
Spiked Amount 10.000			Recovery = 100.30%				
56) 4-bromofluorobenzene	14.096	95	130520	9.73	ug/L		0.00
Spiked Amount 10.000			Recovery = 97.30%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	85828	12.50	ug/L		100
3) chloromethane	2.055	50	131138	10.87	ug/L		100
4) vinyl chloride	2.195	62	128086	10.13	ug/L		99
5) bromomethane	2.614	94	34042	8.32	ug/L		99
6) chloroethane	2.754	64	70896	9.52	ug/L		99
7) trichlorofluoromethane	3.064	101	149629	10.67	ug/L	#	99
8) acrolein	3.673	56	21570	84.86	ug/L		95
9) 1,1-dichloroethene	3.733	96	107403	9.75	ug/L		98
10) acetone	3.898	43	11735	10.71	ug/L		94
11) carbon disulfide	4.001	76	327610	9.56	ug/L		100
12) methylene chloride	4.396	84	115611	9.20	ug/L		97
13) acrylonitrile	4.767	53	98676	86.88	ug/L		97
14) trans-1,2-dichloroethene	4.706	96	124296	9.88	ug/L		97
15) methyl-t-butyl ether	4.694	73	141630	9.01	ug/L		99
16) acetonitrile	4.275	41	50937	99.71	ug/L		97
17) 1,1-dichloroethane	5.266	63	210976	9.28	ug/L		98
18) vinyl acetate	5.333	43	57844	8.97	ug/L		98
19) cis-1,2-dichloroethene	6.032	96	124890	9.54	ug/L		96
20) 2,2-dichloropropane	5.983	77	166815	9.35	ug/L		99
21) 2-butanone	6.105	72	3157	9.79	ug/L		86
22) chloroform	6.464	83	184197	9.44	ug/L		98
24) 1,1,1-trichloroethane	6.640	97	166164	9.38	ug/L		98
25) carbon tetrachloride	6.847	117	136669	9.39	ug/L		99
27) benzene	7.151	78	492650	9.54	ug/L		99
28) 1,1-dichloropropene	6.859	75	152490	9.17	ug/L		99
29) 1,2-dichloroethane	7.236	62	94387	9.40	ug/L		98
30) trichloroethene	8.039	95	116969	9.35	ug/L		100
31) 1,2-dichloropropane	8.392	63	105052	9.18	ug/L		95
32) dibromomethane	8.592	93	33854	9.29	ug/L		98
33) bromodichloromethane	8.817	83	107887	9.17	ug/L		99
34) 2-chloroethyl vinyl ether	9.237	63	9832	5.84	ug/L		99
36) cis-1,3-dichloropropene	9.456	75	121644	8.89	ug/L		98
37) 4-methyl-2-pentanone	9.687	43	26807	8.21	ug/L		99
39) toluene	9.900	92	309723	9.36	ug/L		100
40) 1,1,2-trichloroethane	10.611	83	43265	9.36	ug/L		98
41) 1,3-dichloropropane	10.861	76	96607	9.21	ug/L		100
42) tetrachloroethene	10.727	164	101467	9.78	ug/L		98
43) trans-1,3-dichloropropene	10.319	75	79942	8.93	ug/L		99

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101002.D
Acq On : 10 Oct 2007 5:53 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 07:02:46 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

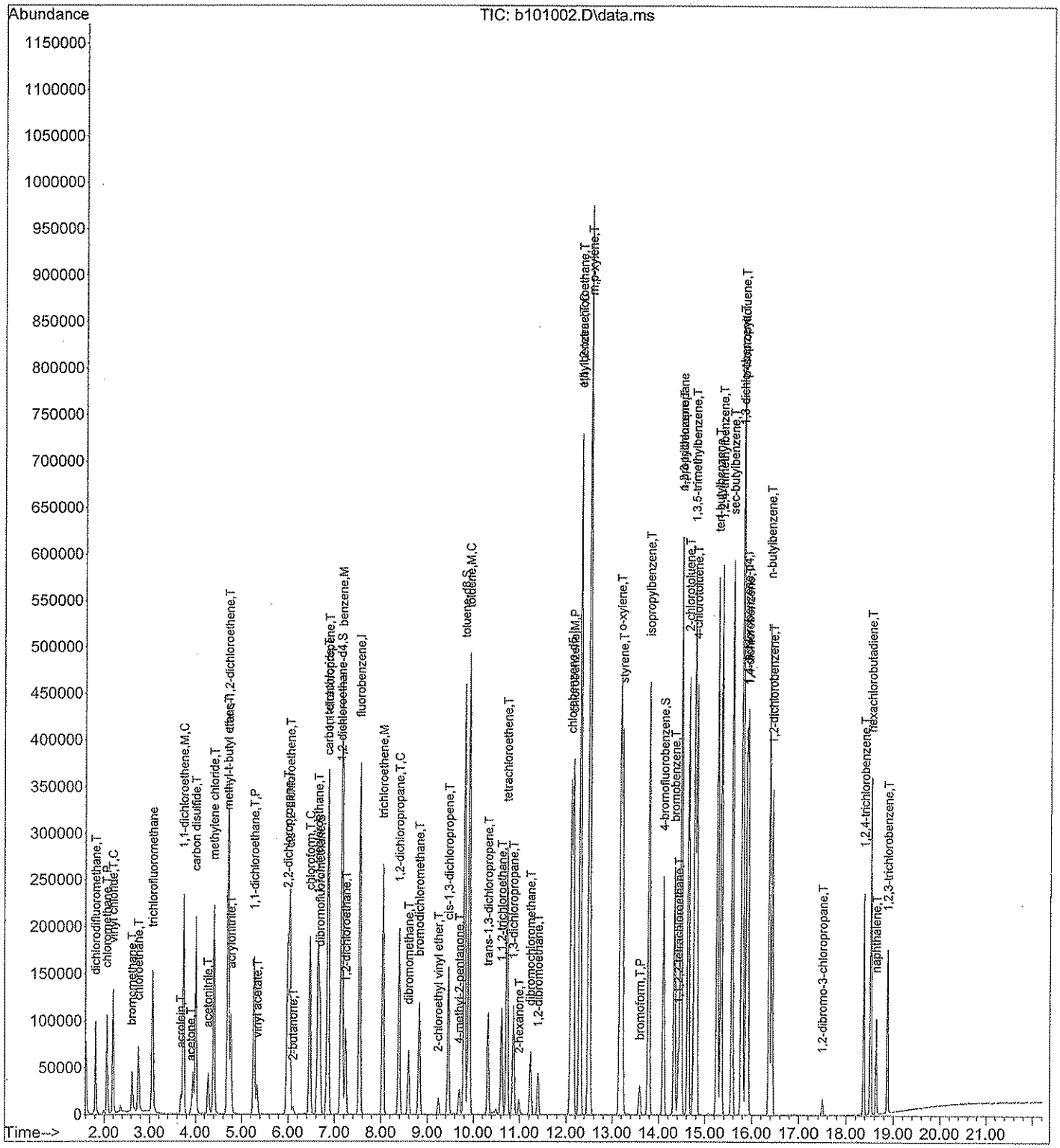
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2-hexanone	10.988	43	16020	8.15	ug/L	97
45) dibromochloromethane	11.232	129	52571	9.40	ug/L	94
46) 1,2-dibromoethane	11.396	107	44604	9.26	ug/L	100
47) chlorobenzene	12.150	112	309615	9.48	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.302	131	90759	9.69	ug/L	100
49) ethylbenzene	12.302	91	573113	9.44	ug/L	100
50) m,p-xylene	12.497	106	469704	18.98	ug/L	100
51) o-xylene	13.166	106	207804	9.13	ug/L	99
52) styrene	13.214	104	317759	9.64	ug/L	98
53) isopropylbenzene	13.786	105	490546	9.50	ug/L	100
54) bromobenzene	14.333	156	109894	9.68	ug/L	96
55) bromoform	13.597	173	23431	9.49	ug/L	97
57) 1,2,3-trichloropropane	14.473	110	15619	9.82	ug/L	96
58) n-propylbenzene	14.473	91	647400	9.73	ug/L	100
59) 2-chlorotoluene	14.631	91	377277	9.50	ug/L	99
60) 4-chlorotoluene	14.807	91	429009	9.61	ug/L	99
61) 1,3,5-trimethylbenzene	14.759	105	469536	9.83	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.424	83	48126	9.53	ug/L	100
64) tert-butylbenzene	15.251	119	383441	9.24	ug/L	99
65) sec-butylbenzene	15.574	105	571945	9.50	ug/L	99
66) 1,2,4-trimethylbenzene	15.337	105	458003	9.27	ug/L	100
67) 1,3-dichlorobenzene	15.774	146	226050	9.50	ug/L	99
68) p-isopropyltoluene	15.793	119	462489	9.71	ug/L	99
69) 1,4-dichlorobenzene	15.908	146	216581	9.39	ug/L	99
70) 1,2-dichlorobenzene	16.431	146	180170	9.50	ug/L	99
71) n-butylbenzene	16.370	91	357731	9.59	ug/L	99
72) 1,2-dibromo-3-chloropr...	17.489	75	5066	9.17	ug/L	87
73) 1,2,4-trichlorobenzene	18.377	180	77724	9.37	ug/L	98
74) hexachlorobutadiene	18.517	225	76016	10.22	ug/L	98
75) naphthalene	18.633	128	81009	8.02	ug/L	100
76) 1,2,3-trichlorobenzene	18.876	180	56170	9.99	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101002.D
Acq On : 10 Oct 2007 5:53 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 07:02:46 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101019.D
Acq On : 10 Oct 2007 3:43 pm
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 10 16:11:26 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

10/10/07

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	fluorobenzene	1.000	1.000	0.0	93	0.00
2	T	dichlorodifluoromethane	0.151	0.147	2.6	91	0.00
3	T,P	chloromethane	0.266	0.268#	-0.8	94	0.00
4	T,C	vinyl chloride	0.278	0.254	8.6	85	0.00
5	T	bromomethane	0.090	0.082	8.9	81	0.01
6	T	chloroethane	0.164	0.143	12.8	83	0.02
7		trichlorofluoromethane	0.308	0.295	4.2	88	0.00
8	T	acrolein	0.006	0.005	16.7	78	0.00
9	M,C	1,1-dichloroethene	0.242	0.210	13.2	80	0.00
10	T	acetone	0.024	0.023	4.2	89	0.00
11	T	carbon disulfide	0.754	0.638	15.4	80	0.00
12	T	methylene chloride	0.276	0.277	-0.4	99	0.00
13	T	acrylonitrile	0.025	0.023	8.0	88	0.00
14	T	trans-1,2-dichloroethene	0.277	0.252	9.0	84	0.00
15	T	methyl-t-butyl ether	0.346	0.316	8.7	87	0.00
16	T	acetonitrile	0.011	0.011	0.0	103	0.00
17	T,P	1,1-dichloroethane	0.500	0.432	13.6	81	0.00
18	T	vinyl acetate	0.142	0.117	17.6	77	0.00
19	T	cis-1,2-dichloroethene	0.288	0.257	10.8	83	0.00
20	T	2,2-dichloropropane	0.393	0.333	15.3	79	0.00
21	T	2-butanone	0.007	0.006	14.3	81	0.01
22	T,C	chloroform	0.429	0.380	11.4	83	0.00
23	S	dibromofluoromethane	0.188	0.196	-4.3	97	0.00
24	T	1,1,1-trichloroethane	0.390	0.332	14.9	78	0.00
25	T	carbon tetrachloride	0.320	0.269	15.9	76	0.00
26	S	1,2-dichloroethane-d4	0.164	0.169	-3.0	97	0.00
27	M	benzene	1.137	1.012	11.0	84	0.00
28	T	1,1-dichloropropene	0.366	0.299	18.3	76	0.00
29	T	1,2-dichloroethane	0.221	0.198	10.4	84	0.00
30	M	trichloroethene	0.275	0.235	14.5	80	0.00
31	T,C	1,2-dichloropropane	0.252	0.220	12.7	82	0.00
32	T	dibromomethane	0.080	0.071	11.3	83	0.00
33	T	bromodichloromethane	0.259	0.225	13.1	79	0.00
34	T	2-chloroethyl vinyl ether	0.037	0.022	40.5#	55	0.00
35	I	chlorobenzene-d5	1.000	1.000	0.0	94	0.00
36	T	cis-1,3-dichloropropene	0.453	0.379	16.3	78	0.00
37	T	4-methyl-2-pentanone	0.108	0.086	20.4#	75	0.00
38	S	toluene-d8	1.456	1.460	-0.3	94	0.00
39	M,C	toluene	1.096	0.952	13.1	83	0.00
40	T	1,1,2-trichloroethane	0.153	0.141	7.8	87	0.00
41	T	1,3-dichloropropane	0.347	0.302	13.0	83	0.00
42	T	tetrachloroethene	0.343	0.303	11.7	83	0.00
43	T	trans-1,3-dichloropropene	0.296	0.251	15.2	78	0.00
44	T	2-hexanone	0.065	0.050	23.1#	72	0.00
45	T	dibromochloromethane	0.185	0.163	11.9	80	0.00
46	T	1,2-dibromoethane	0.159	0.142	10.7	83	0.00
47	M,P	chlorobenzene	1.081	0.970	10.3	85	0.00
48	T	1,1,1,2-tetrachloroethane	0.310	0.283	8.7	84	0.00
49	T,C	ethylbenzene	2.009	1.743	13.2	81	0.00

Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101019.D
Acq On : 10 Oct 2007 3:43 pm
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 10 16:11:26 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50	T	m,p-xylene	0.819	0.720	12.1	83	0.00
51	T	o-xylene	0.753	0.641	14.9	80	0.00
52	T	styrene	1.092	0.976	10.6	80	0.00
53	T	isopropylbenzene	1.710	1.473	13.9	80	0.00
54	T	bromobenzene	0.376	0.339	9.8	85	0.00
55	T,P	bromoform	0.082	0.073#	11.0	83	0.00
56	S	4-bromofluorobenzene	0.444	0.433	2.5	92	0.00
57		1,2,3-trichloropropane	0.053	0.049	7.5	89	0.00
58	T	n-propylbenzene	2.204	1.968	10.7	82	0.00
59	T	2-chlorotoluene	1.314	1.168	11.1	83	0.00
60	T	4-chlorotoluene	1.478	1.334	9.7	84	0.00
61	T	1,3,5-trimethylbenzene	1.582	1.425	9.9	83	0.00
62	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
63	T	1,1,2,2-tetrachloroethane	0.361	0.324	10.2	87	0.00
64	T	tert-butylbenzene	2.966	2.464	16.9	80	0.00
65	T	sec-butylbenzene	4.303	3.688	14.3	82	0.00
66	T	1,2,4-trimethylbenzene	3.530	3.015	14.6	84	0.00
67	T	1,3-dichlorobenzene	1.701	1.515	10.9	88	0.00
68	T	p-isopropyltoluene	3.404	2.979	12.5	82	0.00
69	T	1,4-dichlorobenzene	1.648	1.464	11.2	88	0.00
70	T	1,2-dichlorobenzene	1.355	1.219	10.0	89	0.00
71	T	n-butylbenzene	2.665	2.288	14.1	80	0.00
72	T	1,2-dibromo-3-chloropropane	0.039	0.032	17.9	81	0.00
73	T	1,2,4-trichlorobenzene	0.593	0.533	10.1	78	0.00
74	T	hexachlorobutadiene	0.531	0.498	6.2	89	0.00
75	T	naphthalene	0.722	0.552	23.5#	69	0.00
76	T	1,2,3-trichlorobenzene	0.402	0.394	2.0	82	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101019.D
Acq On : 10 Oct 2007 3:43 pm
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 10 16:11:26 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.541	96	453811	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	302286	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	141217	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.683	113	88747	10.39	ug/L		0.00
Spiked Amount 10.000			Recovery =	103.90%			
26) 1,2-dichloroethane-d4	7.127	65	76747	10.31	ug/L		0.00
Spiked Amount 10.000			Recovery =	103.10%			
38) toluene-d8	9.803	98	441483	10.03	ug/L		0.00
Spiked Amount 10.000			Recovery =	100.30%			
56) 4-bromofluorobenzene	14.097	95	130780	9.75	ug/L		0.00
Spiked Amount 10.000			Recovery =	97.50%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	66870	9.75	ug/L		98
3) chloromethane	2.056	50	121697	10.10	ug/L		100
4) vinyl chloride	2.195	62	115068	9.12	ug/L		97
5) bromomethane	2.615	94	37058	9.07	ug/L		98
6) chloroethane	2.755	64	64988	8.74	ug/L		99
7) trichlorofluoromethane	3.059	101	134101	9.58	ug/L	#	99
8) acrolein	3.673	56	20613	81.21	ug/L		100
9) 1,1-dichloroethene	3.734	96	95164	8.65	ug/L		98
10) acetone	3.898	43	10402	9.51	ug/L		97
11) carbon disulfide	4.002	76	289371	8.45	ug/L		100
12) methylene chloride	4.397	84	125580	10.01	ug/L		99
13) acrylonitrile	4.762	53	105511	93.03	ug/L		100
14) trans-1,2-dichloroethene	4.707	96	114206	9.09	ug/L		96
15) methyl-t-butyl ether	4.695	73	143524	9.14	ug/L		100
16) acetonitrile	4.275	41	49950	97.93	ug/L		98
17) 1,1-dichloroethane	5.267	63	196211	8.65	ug/L		100
18) vinyl acetate	5.333	43	53163	8.26	ug/L		100
19) cis-1,2-dichloroethene	6.033	96	116764	8.93	ug/L		98
20) 2,2-dichloropropane	5.984	77	151324	8.49	ug/L		99
21) 2-butanone	6.100	72	2948	9.16	ug/L	#	85
22) chloroform	6.465	83	172454	8.86	ug/L		99
24) 1,1,1-trichloroethane	6.641	97	150575	8.51	ug/L		100
25) carbon tetrachloride	6.842	117	122043	8.39	ug/L		98
27) benzene	7.152	78	459418	8.91	ug/L		100
28) 1,1-dichloropropene	6.860	75	135821	8.18	ug/L		99
29) 1,2-dichloroethane	7.237	62	89678	8.94	ug/L		98
30) trichloroethene	8.040	95	106556	8.53	ug/L		97
31) 1,2-dichloropropane	8.392	63	99710	8.73	ug/L		98
32) dibromomethane	8.593	93	32223	8.85	ug/L		97
33) bromodichloromethane	8.818	83	102019	8.69	ug/L		100
34) 2-chloroethyl vinyl ether	9.244	63	10152	6.04	ug/L		98
36) cis-1,3-dichloropropene	9.457	75	114714	8.38	ug/L		98
37) 4-methyl-2-pentanone	9.688	43	25997	7.96	ug/L		95
39) toluene	9.901	92	287680	8.69	ug/L		100
40) 1,1,2-trichloroethane	10.612	83	42697	9.23	ug/L		96
41) 1,3-dichloropropane	10.867	76	91329	8.70	ug/L		99
42) tetrachloroethene	10.728	164	91520	8.82	ug/L		97
43) trans-1,3-dichloropropene	10.320	75	75737	8.45	ug/L		99

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101019.D
Acq On : 10 Oct 2007 3:43 pm
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 10 16:11:26 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

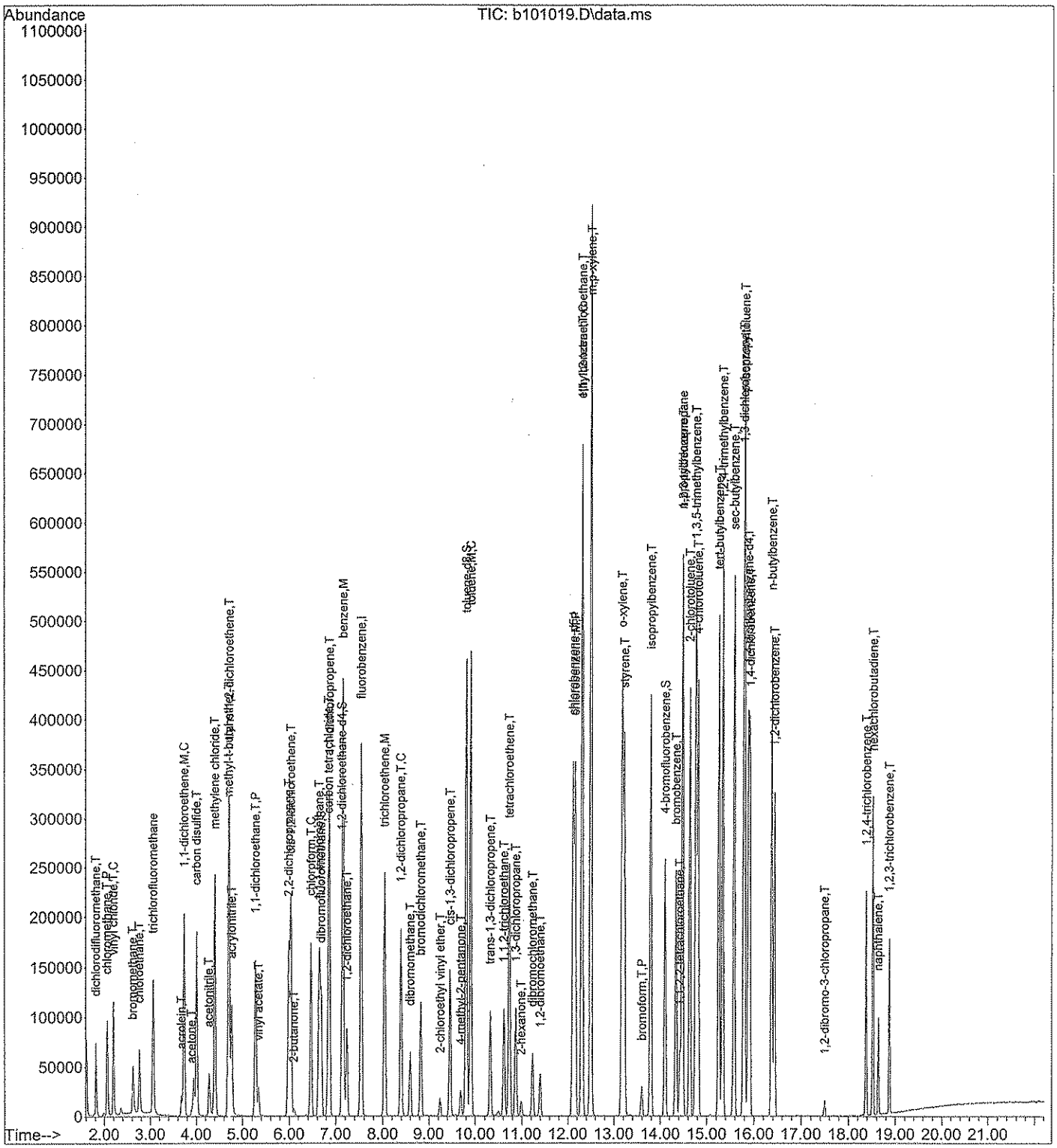
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2-hexanone	10.983	43	15096	7.67	ug/L	93
45) dibromochloromethane	11.232	129	49144	8.79	ug/L	97
46) 1,2-dibromoethane	11.397	107	43067	8.94	ug/L	99
47) chlorobenzene	12.151	112	293118	8.97	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.297	131	85581	9.13	ug/L	100
49) ethylbenzene	12.297	91	526959	8.68	ug/L	100
50) m,p-xylene	12.497	106	435026	17.57	ug/L	98
51) o-xylene	13.166	106	193615	8.51	ug/L	98
52) styrene	13.215	104	295040	8.94	ug/L	98
53) isopropylbenzene	13.786	105	445324	8.61	ug/L	99
54) bromobenzene	14.334	156	102542	9.02	ug/L	96
55) bromoform	13.598	173	22189	8.98	ug/L	94
57) 1,2,3-trichloropropane	14.474	110	14838	9.33	ug/L	97
58) n-propylbenzene	14.474	91	594820	8.93	ug/L	100
59) 2-chlorotoluene	14.632	91	352934	8.88	ug/L	99
60) 4-chlorotoluene	14.808	91	403372	9.03	ug/L	99
61) 1,3,5-trimethylbenzene	14.759	105	430686	9.01	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.419	83	45776	8.98	ug/L	97
64) tert-butylbenzene	15.252	119	347999	8.31	ug/L	99
65) sec-butylbenzene	15.574	105	520742	8.57	ug/L	100
66) 1,2,4-trimethylbenzene	15.337	105	425710	8.54	ug/L	100
67) 1,3-dichlorobenzene	15.775	146	213973	8.91	ug/L	100
68) p-isopropyltoluene	15.793	119	420729	8.75	ug/L	99
69) 1,4-dichlorobenzene	15.909	146	206810	8.88	ug/L	99
70) 1,2-dichlorobenzene	16.432	146	172181	9.00	ug/L	98
71) n-butylbenzene	16.371	91	323065	8.58	ug/L	99
72) 1,2-dibromo-3-chloropr...	17.490	75	4571	8.20	ug/L	95
73) 1,2,4-trichlorobenzene	18.378	180	75224	8.99	ug/L	94
74) hexachlorobutadiene	18.518	225	70321	9.37	ug/L	98
75) naphthalene	18.633	128	77897	7.64	ug/L	100
76) 1,2,3-trichlorobenzene	18.870	180	55613	9.80	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101019.D
Acq On : 10 Oct 2007 3:43 pm
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 10 16:11:26 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101103.D
Acq On : 11 Oct 2007 7:46 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 08:25:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	fluorobenzene	1.000	1.000	0.0	93	0.00
2	T	dichlorodifluoromethane	0.151	0.125	17.2	77	0.00
3	T,P	chloromethane	0.266	0.241#	9.4	84	0.00
4	T,C	vinyl chloride	0.278	0.242	12.9	81	0.00
5	T	bromomethane	0.090	0.079	12.2	78	0.01
6	T	chloroethane	0.164	0.136	17.1	79	0.02
7		trichlorofluoromethane	0.308	0.291	5.5	86	0.00
8	T	acrolein	0.006	0.005	16.7	83	0.00
9	M,C	1,1-dichloroethene	0.242	0.250	-3.3	96	0.00
10	T	acetone	0.024	0.024	0.0	94	0.00
11	T	carbon disulfide	0.754	0.754	0.0	95	0.00
12	T	methylene chloride	0.276	0.274	0.7	98	0.00
13	T	acrylonitrile	0.025	0.024	4.0	92	0.00
14	T	trans-1,2-dichloroethene	0.277	0.290	-4.7	97	0.00
15	T	methyl-t-butyl ether	0.346	0.328	5.2	90	0.00
16	T	acetonitrile	0.011	0.010	9.1	95	0.00
17	T,P	1,1-dichloroethane	0.500	0.502	-0.4	94	0.00
18	T	vinyl acetate	0.142	0.146	-2.8	96	0.00
19	T	cis-1,2-dichloroethene	0.288	0.295	-2.4	95	0.00
20	T	2,2-dichloropropane	0.393	0.398	-1.3	94	0.00
21	T	2-butanone	0.007	0.008	-14.3	94	0.02
22	T,C	chloroform	0.429	0.437	-1.9	95	0.00
23	S	dibromofluoromethane	0.188	0.203	-8.0	101	0.00
24	T	1,1,1-trichloroethane	0.390	0.393	-0.8	92	0.00
25	T	carbon tetrachloride	0.320	0.329	-2.8	93	0.00
26	S	1,2-dichloroethane-d4	0.164	0.174	-6.1	99	0.00
27	M	benzene	1.137	1.165	-2.5	96	0.00
28	T	1,1-dichloropropene	0.366	0.367	-0.3	93	0.00
29	T	1,2-dichloroethane	0.221	0.228	-3.2	97	0.00
30	M	trichloroethene	0.275	0.280	-1.8	95	0.00
31	T,C	1,2-dichloropropane	0.252	0.254	-0.8	94	0.00
32	T	dibromomethane	0.080	0.081	-1.3	94	0.00
33	T	bromodichloromethane	0.259	0.263	-1.5	93	0.00
34	T	2-chloroethyl vinyl ether	0.037	0.029	21.6#	71	0.00
35	I	chlorobenzene-d5	1.000	1.000	0.0	94	0.00
36	T	cis-1,3-dichloropropene	0.453	0.460	-1.5	93	0.00
37	T	4-methyl-2-pentanone	0.108	0.104	3.7	90	0.00
38	S	toluene-d8	1.456	1.513	-3.9	97	0.00
39	M,C	toluene	1.096	1.110	-1.3	96	0.00
40	T	1,1,2-trichloroethane	0.153	0.161	-5.2	99	0.00
41	T	1,3-dichloropropane	0.347	0.352	-1.4	96	0.00
42	T	tetrachloroethene	0.343	0.356	-3.8	97	0.00
43	T	trans-1,3-dichloropropene	0.296	0.303	-2.4	94	0.00
44	T	2-hexanone	0.065	0.060	7.7	86	0.00
45	T	dibromochloromethane	0.185	0.194	-4.9	94	0.00
46	T	1,2-dibromoethane	0.159	0.165	-3.8	95	0.00
47	M,P	chlorobenzene	1.081	1.115	-3.1	97	0.00
48	T	1,1,1,2-tetrachloroethane	0.310	0.331	-6.8	98	0.00
49	T,C	ethylbenzene	2.009	2.053	-2.2	95	0.00

Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101103.D
Acq On : 11 Oct 2007 7:46 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 08:25:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50	T	m,p-xylene	0.819	0.835	-2.0	95	0.00
51	T	o-xylene	0.753	0.750	0.4	93	0.00
52	T	styrene	1.092	1.141	-4.5	93	0.00
53	T	isopropylbenzene	1.710	1.770	-3.5	95	0.00
54	T	bromobenzene	0.376	0.395	-5.1	99	0.00
55	T,P	bromoform	0.082	0.085#	-3.7	96	0.00
56	S	4-bromofluorobenzene	0.444	0.453	-2.0	96	0.00
57		1,2,3-trichloropropane	0.053	0.057	-7.5	103	0.00
58	T	n-propylbenzene	2.204	2.325	-5.5	97	0.00
59	T	2-chlorotoluene	1.314	1.366	-4.0	97	0.00
60	T	4-chlorotoluene	1.478	1.553	-5.1	98	0.00
61	T	1,3,5-trimethylbenzene	1.582	1.671	-5.6	97	0.00
62	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
63	T	1,1,2,2-tetrachloroethane	0.361	0.376	-4.2	99	0.00
64	T	tert-butylbenzene	2.966	2.990	-0.8	96	0.00
65	T	sec-butylbenzene	4.303	4.518	-5.0	99	0.00
66	T	1,2,4-trimethylbenzene	3.530	3.580	-1.4	98	0.00
67	T	1,3-dichlorobenzene	1.701	1.775	-4.4	101	0.00
68	T	p-isopropyltoluene	3.404	3.628	-6.6	99	0.00
69	T	1,4-dichlorobenzene	1.648	1.714	-4.0	101	0.00
70	T	1,2-dichlorobenzene	1.355	1.417	-4.6	101	0.00
71	T	n-butylbenzene	2.665	2.861	-7.4	98	0.00
72	T	1,2-dibromo-3-chloropropane	0.039	0.039	0.0	96	0.00
73	T	1,2,4-trichlorobenzene	0.593	0.674	-13.7	97	0.00
74	T	hexachlorobutadiene	0.531	0.619	-16.6	108	0.00
75	T	naphthalene	0.722	0.718	0.6	89	0.00
76	T	1,2,3-trichlorobenzene	0.402	0.489	-21.6#	100	0.00

10/11/07 MCS OK

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Data Path : D:\msdchem\1\data\b101107\
Data File : b101103.D
Acq On : 11 Oct 2007 7:46 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 08:25:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) 2-hexanone	10.990	43	18058	9.25 ug/L	91
45) dibromochloromethane	11.233	129	58041	10.46 ug/L	100
46) 1,2-dibromoethane	11.397	107	49338	10.32 ug/L	99
47) chlorobenzene	12.151	112	334234	10.31 ug/L	99
48) 1,1,1,2-tetrachloroethane	12.297	131	99233	10.67 ug/L	100
49) ethylbenzene	12.297	91	615523	10.22 ug/L	100
50) m,p-xylene	12.498	106	500850	20.39 ug/L	100
51) o-xylene	13.167	106	224848	9.96 ug/L	99
52) styrene	13.215	104	342249	10.46 ug/L	98
53) isopropylbenzene	13.781	105	530945	10.35 ug/L	100
54) bromobenzene	14.334	156	118349	10.50 ug/L	97
55) bromoform	13.598	173	25637	10.46 ug/L	97
57) 1,2,3-trichloropropane	14.474	110	17171	10.88 ug/L	98
58) n-propylbenzene	14.474	91	697366	10.55 ug/L	100
59) 2-chlorotoluene	14.632	91	409553	10.39 ug/L	99
60) 4-chlorotoluene	14.809	91	465863	10.51 ug/L	99
61) 1,3,5-trimethylbenzene	14.760	105	501256	10.57 ug/L	100
63) 1,1,2,2-tetrachloroethane	14.425	83	52112	10.40 ug/L	94
64) tert-butylbenzene	15.253	119	415008	10.08 ug/L	99
65) sec-butylbenzene	15.575	105	626975	10.50 ug/L	100
66) 1,2,4-trimethylbenzene	15.338	105	496800	10.14 ug/L	99
67) 1,3-dichlorobenzene	15.776	146	246305	10.43 ug/L	99
68) p-isopropyltoluene	15.794	119	503546	10.66 ug/L	99
69) 1,4-dichlorobenzene	15.903	146	237828	10.40 ug/L	99
70) 1,2-dichlorobenzene	16.432	146	196641	10.45 ug/L	99
71) n-butylbenzene	16.372	91	397060	10.74 ug/L	99
72) 1,2-dibromo-3-chloropr...	17.497	75	5428	9.91 ug/L	93
73) 1,2,4-trichlorobenzene	18.378	180	93480	11.37 ug/L	94
74) hexachlorobutadiene	18.518	225	85905	11.65 ug/L	98
75) naphthalene	18.634	128	99692	9.96 ug/L	100
76) 1,2,3-trichlorobenzene	18.871	180	67925	12.18 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101103.D
Acq On : 11 Oct 2007 7:46 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 08:25:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.541	96	453149	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	299885	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.873	152	138779	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.684	113	92183	10.80	ug/L		0.00
Spiked Amount 10.000			Recovery =	108.00%			
26) 1,2-dichloroethane-d4	7.134	65	78856	10.61	ug/L		0.00
Spiked Amount 10.000			Recovery =	106.10%			
38) toluene-d8	9.798	98	453611	10.39	ug/L		0.00
Spiked Amount 10.000			Recovery =	103.90%			
56) 4-bromofluorobenzene	14.097	95	135951	10.21	ug/L		0.00
Spiked Amount 10.000			Recovery =	102.10%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.813	85	56747	8.29	ug/L		100
3) chloromethane	2.056	50	109098	9.07	ug/L		99
4) vinyl chloride	2.196	62	109495	8.69	ug/L		95
5) bromomethane	2.616	94	35603	8.73	ug/L		99
6) chloroethane	2.755	64	61644	8.30	ug/L		98
7) trichlorofluoromethane	3.059	101	131919	9.44	ug/L	#	99
8) acrolein	3.674	56	21735	85.76	ug/L		94
9) 1,1-dichloroethene	3.734	96	113378	10.32	ug/L		98
10) acetone	3.899	43	10995	10.06	ug/L		91
11) carbon disulfide	4.002	76	341683	10.00	ug/L		98
12) methylene chloride	4.397	84	124301	9.93	ug/L		97
13) acrylonitrile	4.762	53	109977	97.11	ug/L		97
14) trans-1,2-dichloroethene	4.707	96	131411	10.48	ug/L		98
15) methyl-t-butyl ether	4.695	73	148412	9.47	ug/L		99
16) acetonitrile	4.276	41	45898	90.12	ug/L		97
17) 1,1-dichloroethane	5.267	63	227410	10.04	ug/L		99
18) vinyl acetate	5.334	43	65970	10.26	ug/L		97
19) cis-1,2-dichloroethene	6.033	96	133898	10.26	ug/L		98
20) 2,2-dichloropropane	5.985	77	180500	10.14	ug/L		99
21) 2-butanone	6.106	72	3411	10.61	ug/L	#	92
22) chloroform	6.465	83	198251	10.20	ug/L		100
24) 1,1,1-trichloroethane	6.641	97	177926	10.07	ug/L		98
25) carbon tetrachloride	6.842	117	148901	10.26	ug/L		99
27) benzene	7.152	78	528088	10.25	ug/L		100
28) 1,1-dichloropropene	6.860	75	166355	10.03	ug/L		100
29) 1,2-dichloroethane	7.237	62	103403	10.33	ug/L		99
30) trichloroethene	8.040	95	126759	10.16	ug/L		99
31) 1,2-dichloropropane	8.387	63	115041	10.08	ug/L		98
32) dibromomethane	8.593	93	36565	10.06	ug/L		96
33) bromodichloromethane	8.818	83	119011	10.15	ug/L		99
34) 2-chloroethyl vinyl ether	9.244	63	13241	7.89	ug/L		98
36) cis-1,3-dichloropropene	9.451	75	137997	10.16	ug/L		99
37) 4-methyl-2-pentanone	9.688	43	31101	9.60	ug/L		92
39) toluene	9.901	92	332840	10.13	ug/L		99
40) 1,1,2-trichloroethane	10.612	83	48301	10.52	ug/L		98
41) 1,3-dichloropropane	10.868	76	105558	10.13	ug/L		99
42) tetrachloroethene	10.728	164	106825	10.37	ug/L		97
43) trans-1,3-dichloropropene	10.321	75	90806	10.22	ug/L		100

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101103.D
Acq On : 11 Oct 2007 7:46 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 08:25:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

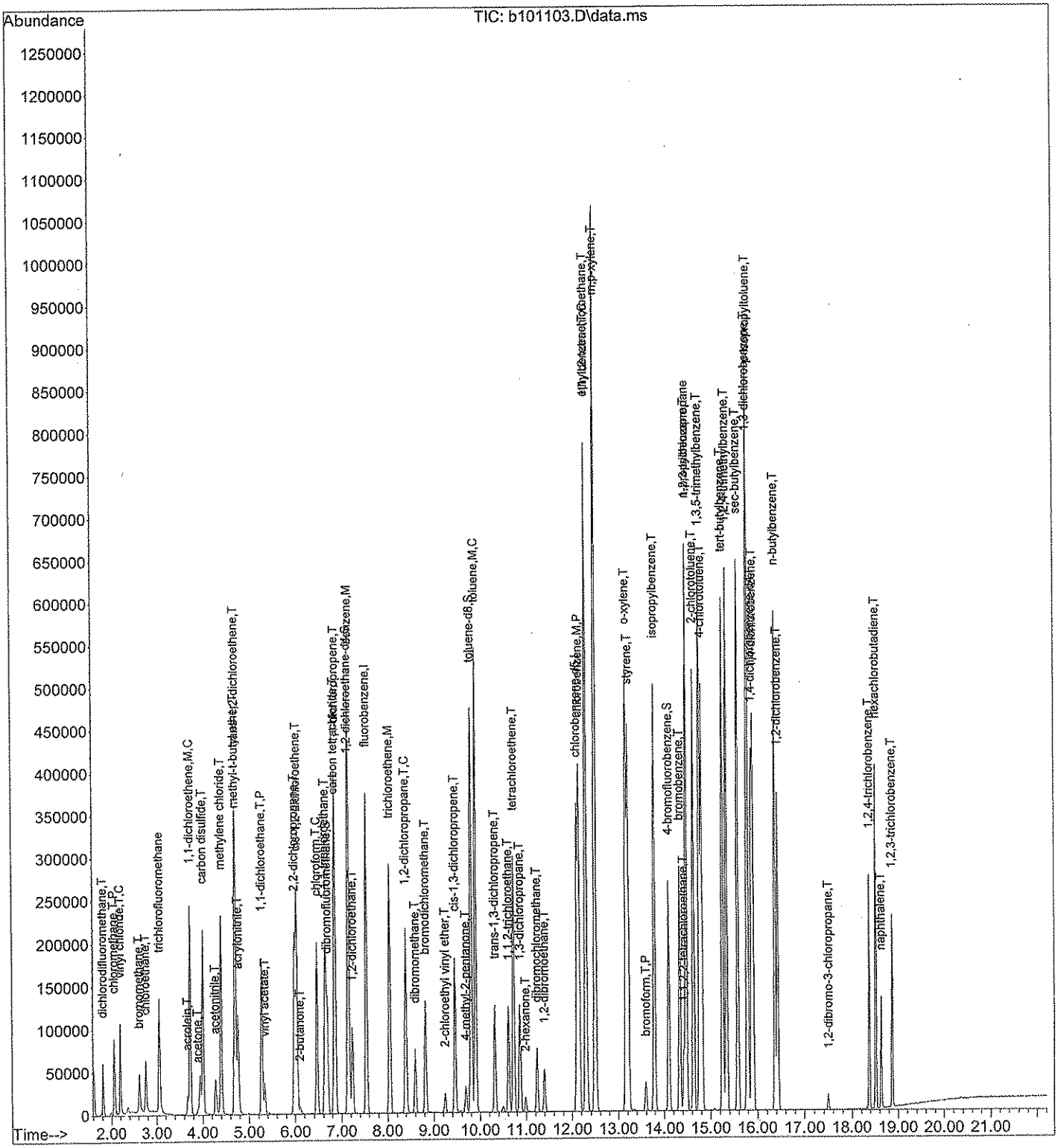
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) 2-hexanone	10.990	43	18058	9.25 ug/L	91
45) dibromochloromethane	11.233	129	58041	10.46 ug/L	100
46) 1,2-dibromoethane	11.397	107	49338	10.32 ug/L	99
47) chlorobenzene	12.151	112	334234	10.31 ug/L	99
48) 1,1,1,2-tetrachloroethane	12.297	131	99233	10.67 ug/L	100
49) ethylbenzene	12.297	91	615523	10.22 ug/L	100
50) m,p-xylene	12.498	106	500850	20.39 ug/L	100
51) o-xylene	13.167	106	224848	9.96 ug/L	99
52) styrene	13.215	104	342249	10.46 ug/L	98
53) isopropylbenzene	13.781	105	530945	10.35 ug/L	100
54) bromobenzene	14.334	156	118349	10.50 ug/L	97
55) bromoform	13.598	173	25637	10.46 ug/L	97
57) 1,2,3-trichloropropane	14.474	110	17171	10.88 ug/L	98
58) n-propylbenzene	14.474	91	697366	10.55 ug/L	100
59) 2-chlorotoluene	14.632	91	409553	10.39 ug/L	99
60) 4-chlorotoluene	14.809	91	465863	10.51 ug/L	99
61) 1,3,5-trimethylbenzene	14.760	105	501256	10.57 ug/L	100
63) 1,1,2,2-tetrachloroethane	14.425	83	52112	10.40 ug/L	94
64) tert-butylbenzene	15.253	119	415008	10.08 ug/L	99
65) sec-butylbenzene	15.575	105	626975	10.50 ug/L	100
66) 1,2,4-trimethylbenzene	15.338	105	496800	10.14 ug/L	99
67) 1,3-dichlorobenzene	15.776	146	246305	10.43 ug/L	99
68) p-isopropyltoluene	15.794	119	503546	10.66 ug/L	99
69) 1,4-dichlorobenzene	15.903	146	237828	10.40 ug/L	99
70) 1,2-dichlorobenzene	16.432	146	196641	10.45 ug/L	99
71) n-butylbenzene	16.372	91	397060	10.74 ug/L	99
72) 1,2-dibromo-3-chloropr...	17.497	75	5428	9.91 ug/L	93
73) 1,2,4-trichlorobenzene	18.378	180	93480	11.37 ug/L	94
74) hexachlorobutadiene	18.518	225	85905	11.65 ug/L	98
75) naphthalene	18.634	128	99692	9.96 ug/L	100
76) 1,2,3-trichlorobenzene	18.871	180	67925	12.18 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101103.D
Acq On : 11 Oct 2007 7:46 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 08:25:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



SAMPLE RAW DATA

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101020.D
Acq On : 10 Oct 2007 4:43 pm
Operator : BR
Sample : ,SAMP,ME0710172-01A,1,
Misc : 8260+_W25
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 10 19:41:46 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.538	96	437118	10.00	ug/L	0.00
35) chlorobenzene-d5	12.105	117	288267	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.876	152	99757	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.687	113	84544	10.27	ug/L	0.00
Spiked Amount 10.000			Recovery =	102.70%		
26) 1,2-dichloroethane-d4	7.131	65	74700	10.42	ug/L	0.00
Spiked Amount 10.000			Recovery =	104.20%		
38) toluene-d8	9.800	98	410908	9.79	ug/L	0.00
Spiked Amount 10.000			Recovery =	97.90%		
56) 4-bromofluorobenzene	14.100	95	113445	8.87	ug/L	0.00
Spiked Amount 10.000			Recovery =	88.70%		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

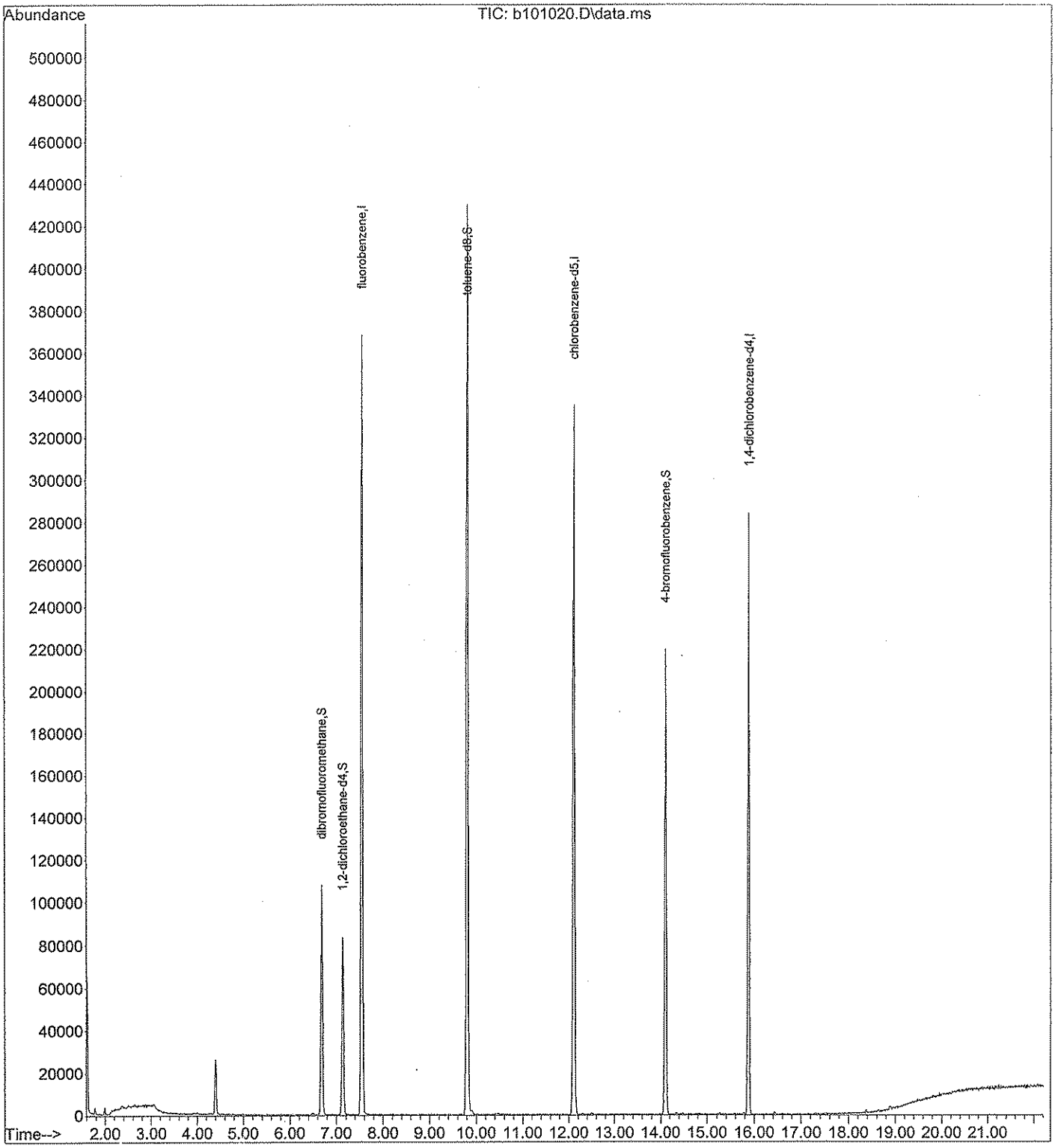
10/11/07

10/11/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101020.D
Acq On : 10 Oct 2007 4:43 pm
Operator : BR
Sample : ,SAMP,ME0710172-01A,1,
Misc : 8260+_W25
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 10 19:41:46 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101021.D
Acq On : 10 Oct 2007 5:15 pm
Operator : BR
Sample : ,SAMP,ME0710172-02A,1,
Misc : 8260+_W25
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 10 19:42:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.537	96	424773	10.00	ug/L	0.00
35) chlorobenzene-d5	12.104	117	284083	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.875	152	96803	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.686	113	84269	10.54	ug/L	0.00
Spiked Amount 10.000			Recovery = 105.40%			
26) 1,2-dichloroethane-d4	7.130	65	74467	10.69	ug/L	0.00
Spiked Amount 10.000			Recovery = 106.90%			
38) toluene-d8	9.805	98	402332	9.73	ug/L	0.00
Spiked Amount 10.000			Recovery = 97.30%			
56) 4-bromofluorobenzene	14.099	95	109736	8.70	ug/L	0.00
Spiked Amount 10.000			Recovery = 87.00%			
Target Compounds						Qvalue

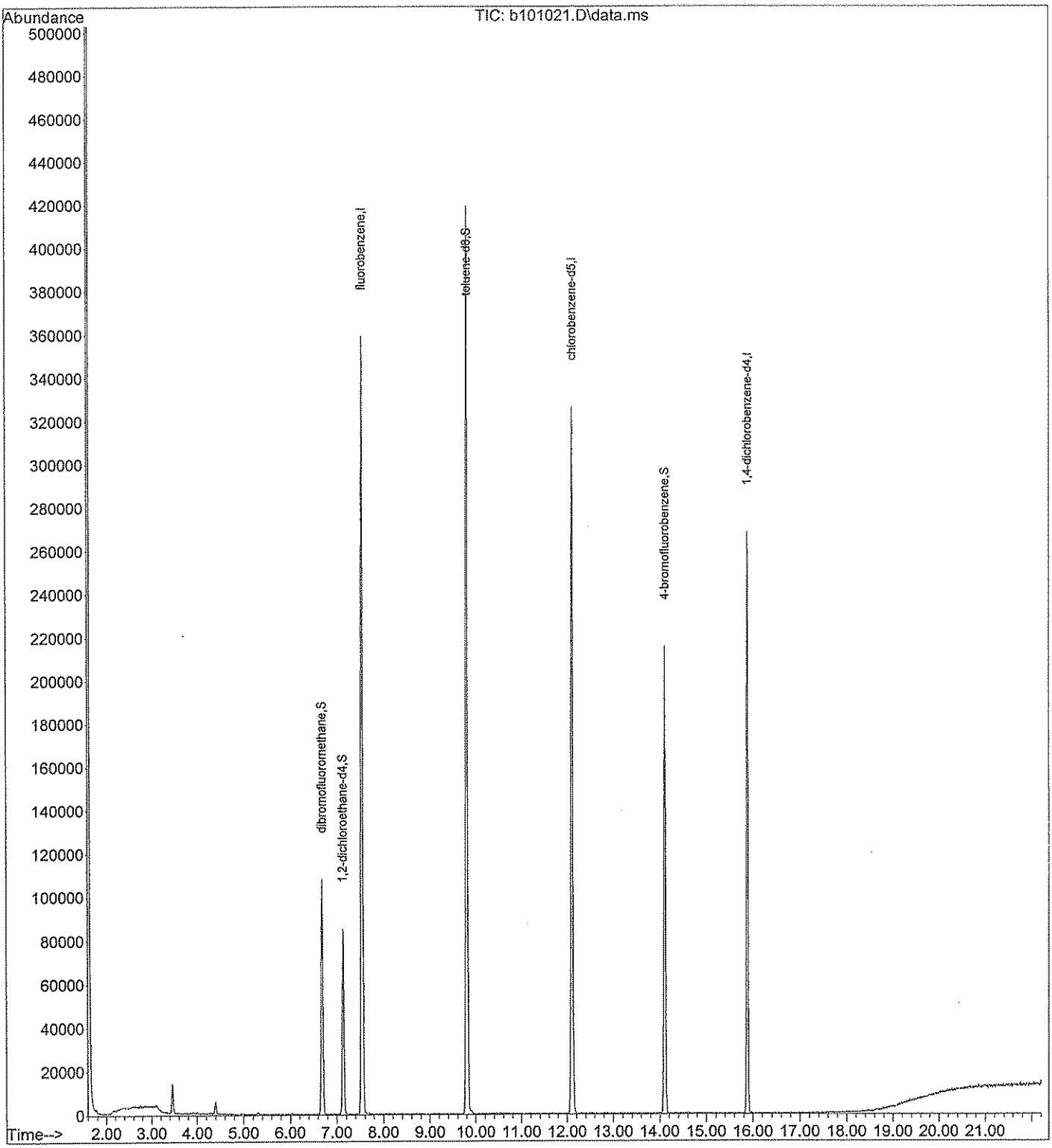
(#) = qualifier out of range (m) = manual integration (+) = signals summed

10/11/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101021.D
Acq On : 10 Oct 2007 5:15 pm
Operator : BR
Sample : ,SAMP,ME0710172-02A,1,
Misc : 8260+_W25
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 10 19:42:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101022.D
Acq On : 10 Oct 2007 5:46 pm
Operator : BR
Sample : ,SAMP,ME0710172-03A,1,
Misc : 8260+_W25
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 10 19:42:13 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.538	96	421727	10.00	ug/L	0.00
35) chlorobenzene-d5	12.105	117	280243	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.876	152	95393	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.687	113	83374	10.50	ug/L	0.00
Spiked Amount 10.000			Recovery =	105.00%		
26) 1,2-dichloroethane-d4	7.131	65	72876	10.54	ug/L	0.00
Spiked Amount 10.000			Recovery =	105.40%		
38) toluene-d8	9.800	98	400568	9.82	ug/L	0.00
Spiked Amount 10.000			Recovery =	98.20%		
56) 4-bromofluorobenzene	14.100	95	108496	8.72	ug/L	0.00
Spiked Amount 10.000			Recovery =	87.20%		
Target Compounds						Qvalue

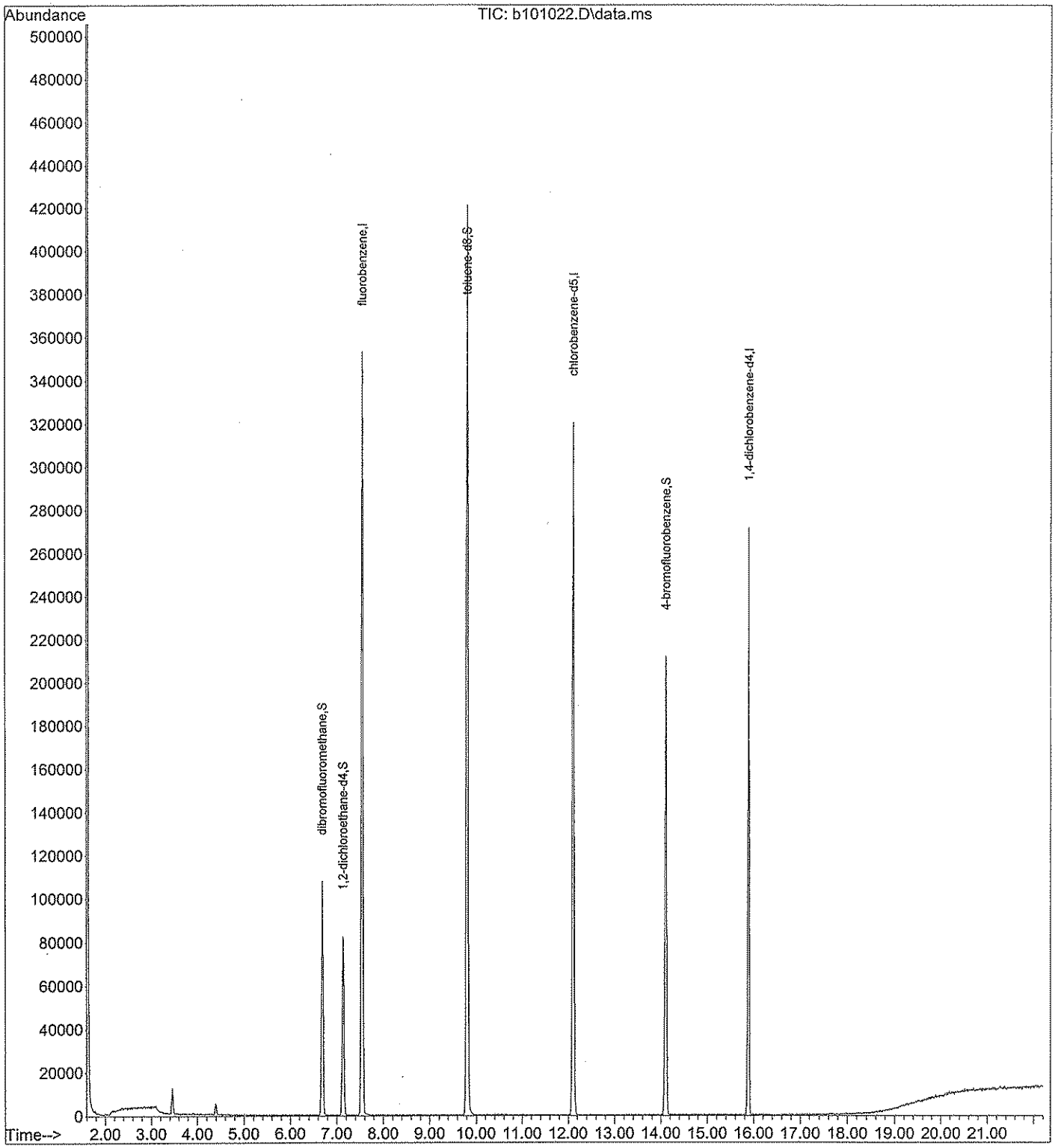
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JD 10/11/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101022.D
Acq On : 10 Oct 2007 5:46 pm
Operator : BR
Sample : ,SAMP,ME0710172-03A,1,
Misc : 8260+_W25
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 10 19:42:13 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101107.D
Acq On : 11 Oct 2007 10:25 am
Operator : NLT
Sample : ,SAMP,ME0710172-04A,1,
Misc : 8260+_W25
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 11:16:24 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	439411	10.00	ug/L	0.00
35) chlorobenzene-d5	12.102	117	299797	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.878	152	110485	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.683	113	87954	10.63	ug/L	0.00
Spiked Amount 10.000			Recovery =	106.30%		
26) 1,2-dichloroethane-d4	7.133	65	78606	10.91	ug/L	0.00
Spiked Amount 10.000			Recovery =	109.10%		
38) toluene-d8	9.803	98	429839	9.85	ug/L	0.00
Spiked Amount 10.000			Recovery =	98.50%		
56) 4-bromofluorobenzene	14.096	95	127814	9.61	ug/L	0.00
Spiked Amount 10.000			Recovery =	96.10%		
Target Compounds						Qvalue
27) benzene	7.158	78	19953	0.40	ug/L	99
46) 1,2-dibromoethane	11.317	107	2016	0.42	ug/L #	43
47) chlorobenzene	12.150	112	462286	14.27	ug/L	98
69) 1,4-dichlorobenzene	15.909	146	18293	1.00	ug/L	95
70) 1,2-dichlorobenzene	16.438	146	26971	1.80	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

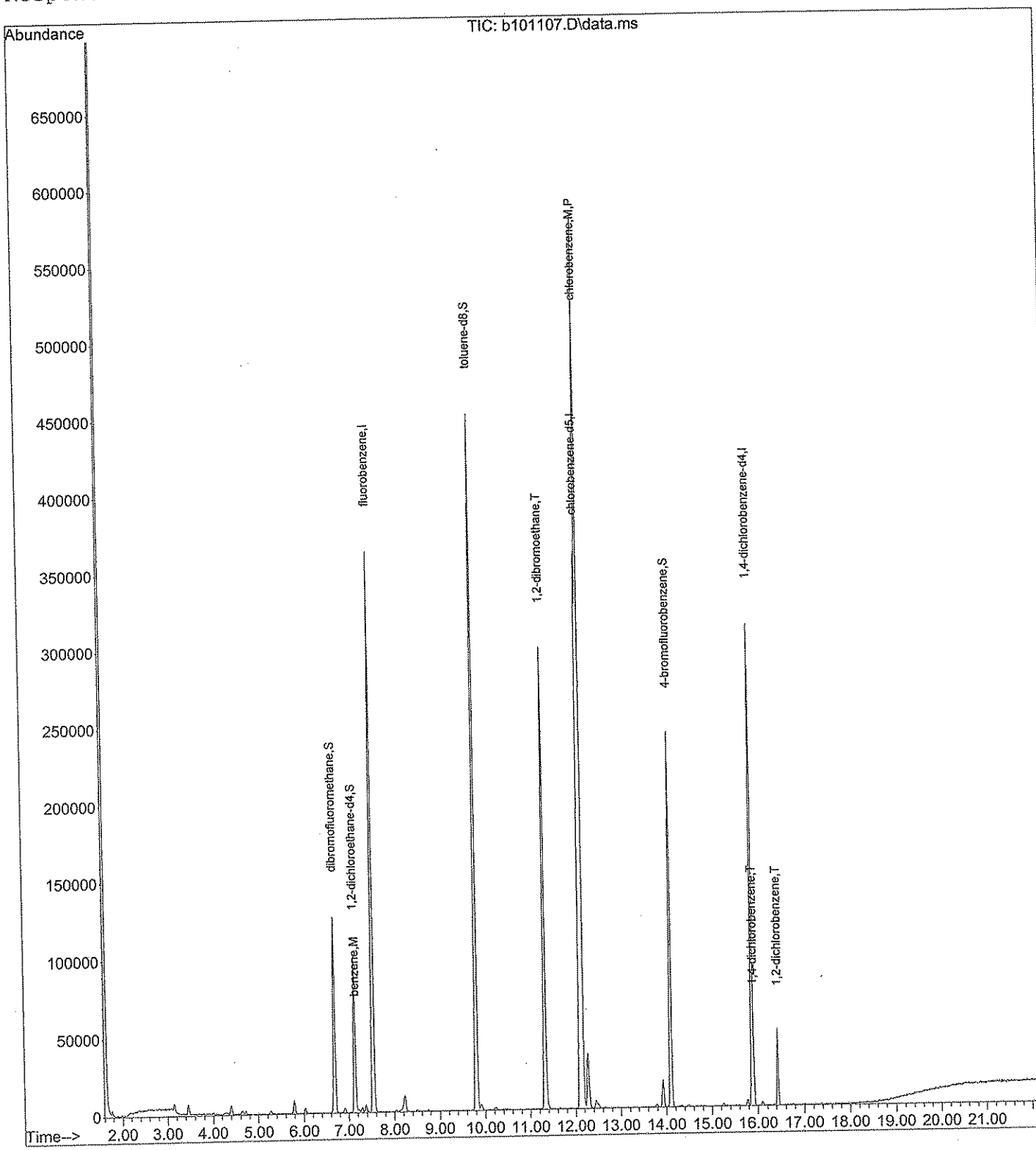
JW 10/11/07

10/11/07 MT

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101107.D
Acq On : 11 Oct 2007 10:25 am
Operator : NLT
Sample : ,SAMP,ME0710172-04A,1,
Misc : 8260+_W25
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 11:16:24 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101023.D
Acq On : 10 Oct 2007 6:19 pm
Operator : BR
Sample : ,SAMP,ME0710172-05A,1,
Misc : 8260+_W25
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 10 19:42:17 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	422611	10.00	ug/L	0.00
35) chlorobenzene-d5	12.102	117	276118	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.872	152	110698	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.683	113	81640	10.26	ug/L	0.00
Spiked Amount 10.000			Recovery =	102.60%		
26) 1,2-dichloroethane-d4	7.133	65	74337	10.73	ug/L	0.00
Spiked Amount 10.000			Recovery =	107.30%		
38) toluene-d8	9.803	98	394767	9.82	ug/L	0.00
Spiked Amount 10.000			Recovery =	98.20%		
56) 4-bromofluorobenzene	14.097	95	110818	9.04	ug/L	0.00
Spiked Amount 10.000			Recovery =	90.40%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.843	85	3231	0.51	ug/L	94
6) chloroethane	2.761	64	52416	7.57	ug/L	100
10) acetone	3.904	43	1940	1.90	ug/L	78
15) methyl-t-butyl ether	4.707	73	12329	0.84	ug/L	98
18) vinyl acetate	5.297	43	14243	2.38	ug/L	73
27) benzene	7.152	78	74840	1.56	ug/L	99

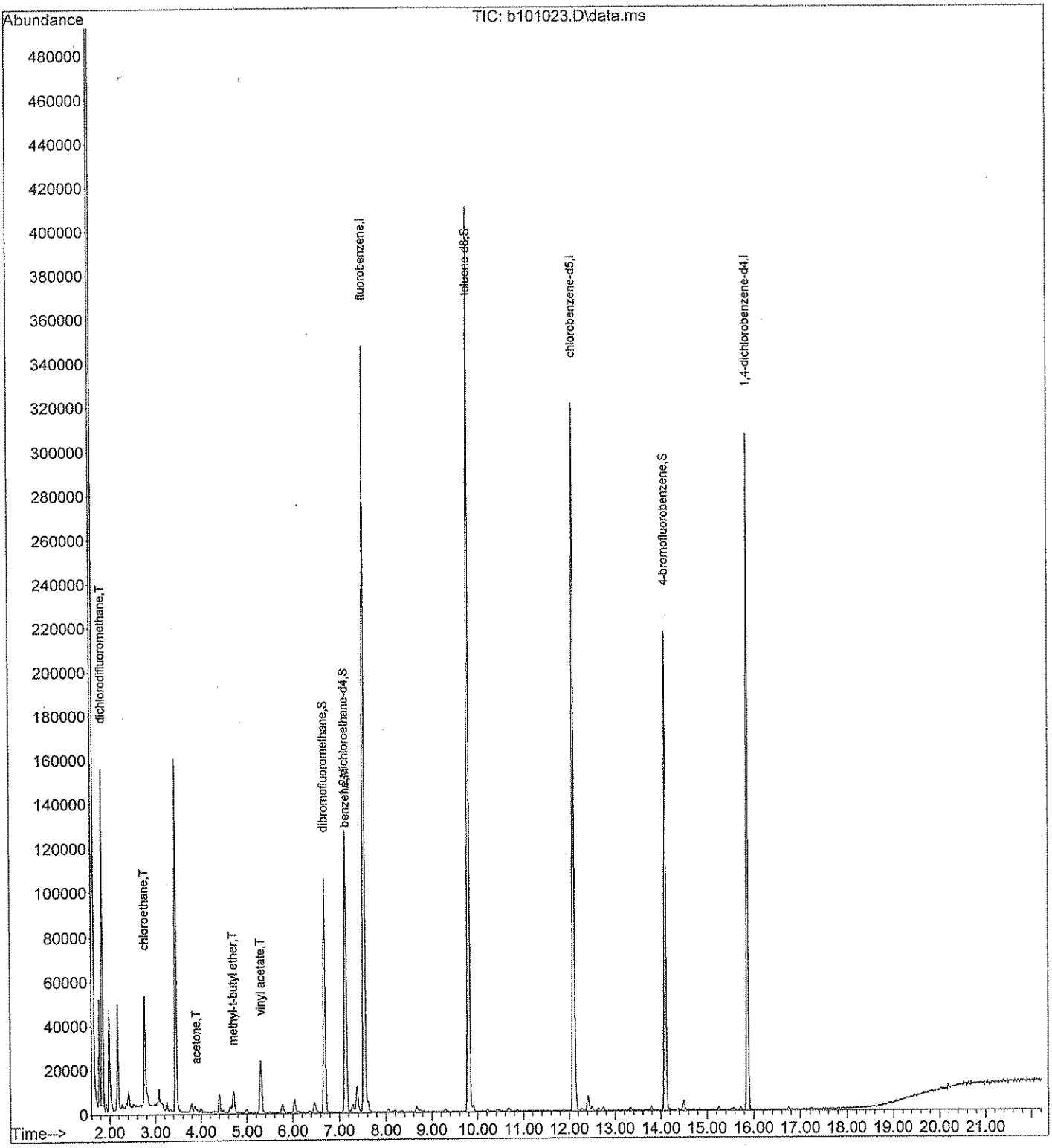
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/11/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101023.D
Acq On : 10 Oct 2007 6:19 pm
Operator : BR
Sample : ,SAMP,ME0710172-05A,1,
Misc : 8260+_W25
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 10 19:42:17 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101024.D
Acq On : 10 Oct 2007 6:51 pm
Operator : BR
Sample : ,SAMP,ME0710172-06A,1,
Misc : 8260+_W25
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 10 19:42:21 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.538	96	463030	10.00	ug/L	0.00
35) chlorobenzene-d5	12.105	117	290699	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.875	152	104851	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.687	113	85956	9.86	ug/L	0.00
Spiked Amount 10.000			Recovery =	98.60%		
26) 1,2-dichloroethane-d4	7.137	65	64482	8.49	ug/L	0.00
Spiked Amount 10.000			Recovery =	84.90%		
38) toluene-d8	9.800	98	419331	9.91	ug/L	0.00
Spiked Amount 10.000			Recovery =	99.10%		
56) 4-bromofluorobenzene	14.100	95	113394	8.79	ug/L	0.00
Spiked Amount 10.000			Recovery =	87.90%		
Target Compounds						Qvalue
4) vinyl chloride	2.192	62	5552	0.43	ug/L	96
6) chloroethane	2.758	64	1808154	238.28	ug/L E	99
27) benzene	7.161	78	20163799	383.07	ug/L E	91
29) 1,2-dichloroethane	7.155	62	213552	20.87	ug/L	88

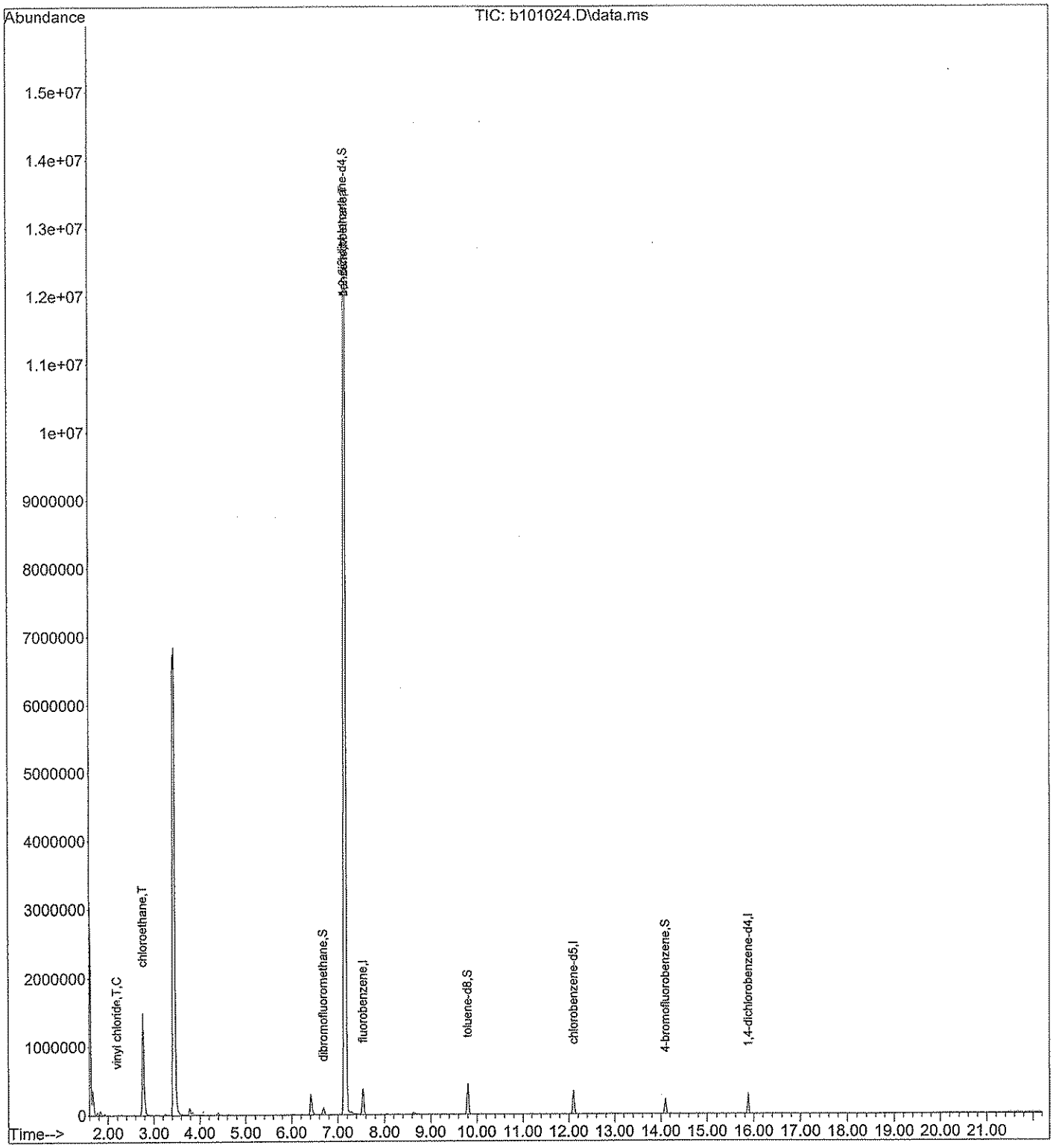
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/11/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101024.D
Acq On : 10 Oct 2007 6:51 pm
Operator : BR
Sample : ,SAMP,ME0710172-06A,1,
Misc : 8260+_W25
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 10 19:42:21 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101031.D
Acq On : 10 Oct 2007 11:16 pm
Operator : BR
Sample : ,SAMP,ME0710172-06A,20,RA,
Misc : 8260+_W25
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 11 06:53:47 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.538	96	444686	10.00	ug/L	0.00
35) chlorobenzene-d5	12.105	117	286188	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.875	152	107087	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.686	113	88372	10.55	ug/L	0.00
Spiked Amount 10.000			Recovery =	105.50%		
26) 1,2-dichloroethane-d4	7.130	65	79539	10.91	ug/L	0.00
Spiked Amount 10.000			Recovery =	109.10%		
38) toluene-d8	9.800	98	425902	10.22	ug/L	0.00
Spiked Amount 10.000			Recovery =	102.20%		
56) 4-bromofluorobenzene	14.100	95	120191	9.46	ug/L	0.00
Spiked Amount 10.000			Recovery =	94.60%		
Target Compounds						Qvalue
6) chloroethane	2.758	64	91879	12.61	ug/L	99
16) acetonitrile	4.290	41	6342	12.69	ug/L	92
27) benzene	7.149	78	1611341	31.87	ug/L	100
29) 1,2-dichloroethane	7.155	62	12911	1.31	ug/L	89

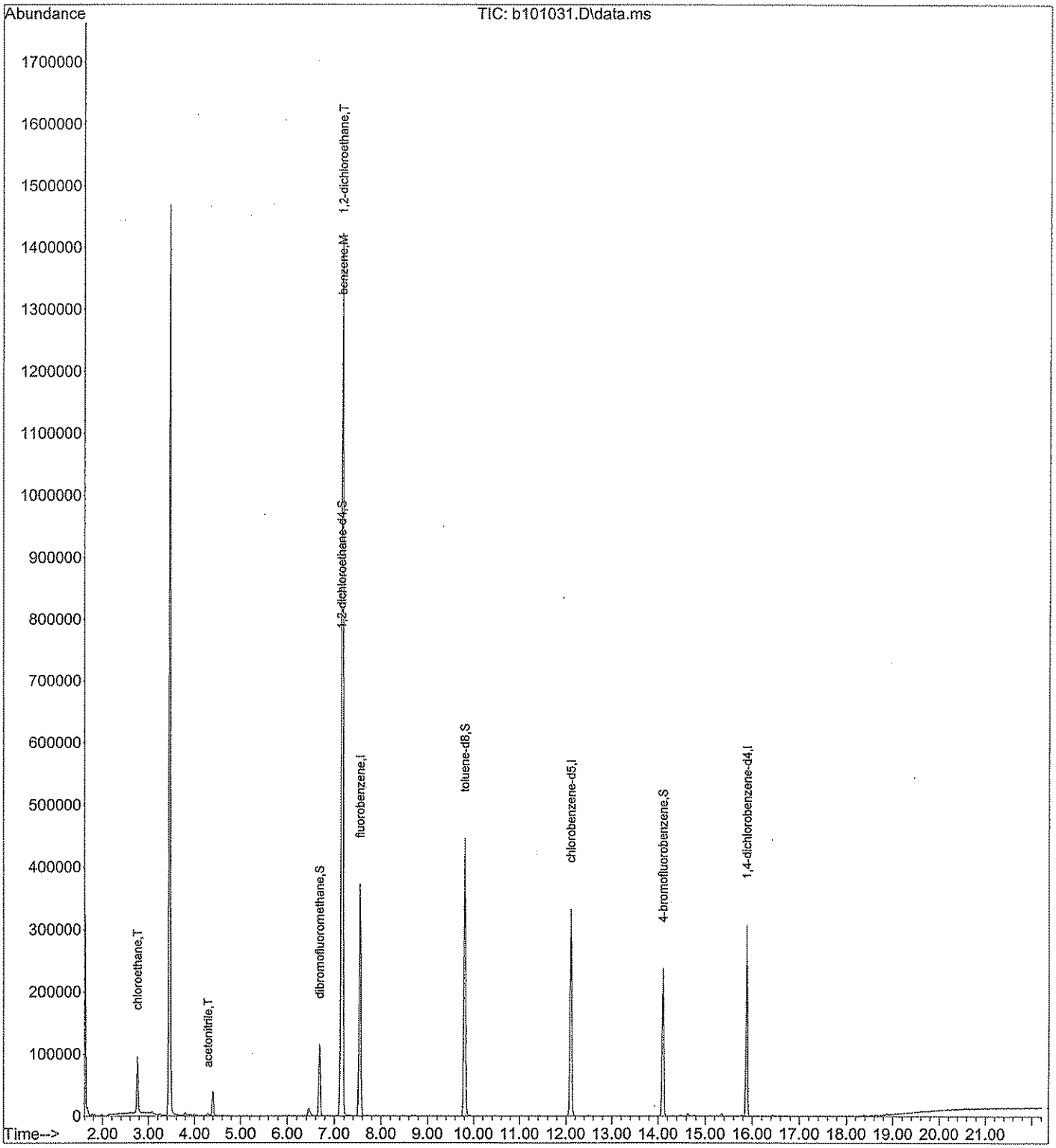
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/11/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101031.D
Acq On : 10 Oct 2007 11:16 pm
Operator : BR
Sample : ,SAMP,ME0710172-06A,20,RA,
Misc : 8260+_W25
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 11 06:53:47 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101025.D
Acq On : 10 Oct 2007 7:23 pm
Operator : BR
Sample : ,SAMP,ME0710172-07A,1,
Misc : 8260+_W25
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 10 21:39:44 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.538	96	464464	10.00	ug/L	0.00
35) chlorobenzene-d5	12.105	117	292317	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.876	152	105169	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.687	113	86642	9.91	ug/L	0.00
Spiked Amount 10.000			Recovery =	99.10%		
26) 1,2-dichloroethane-d4	7.137	65	64995	8.53	ug/L	0.00
Spiked Amount 10.000			Recovery =	85.30%		
38) toluene-d8	9.801	98	421220	9.90	ug/L	0.00
Spiked Amount 10.000			Recovery =	99.00%		
56) 4-bromofluorobenzene	14.100	95	114607	8.83	ug/L	0.00
Spiked Amount 10.000			Recovery =	88.30%		
Target Compounds						Qvalue
4) vinyl chloride	2.193	62	5350	0.41	ug/L	96
6) chloroethane	2.758	64	1842224	242.02	ug/L E	99
27) benzene	7.161	78	20066841	380.05	ug/L E	91
28) 1,2-dichloroethane	7.155	62	209729	20.43	ug/L	88

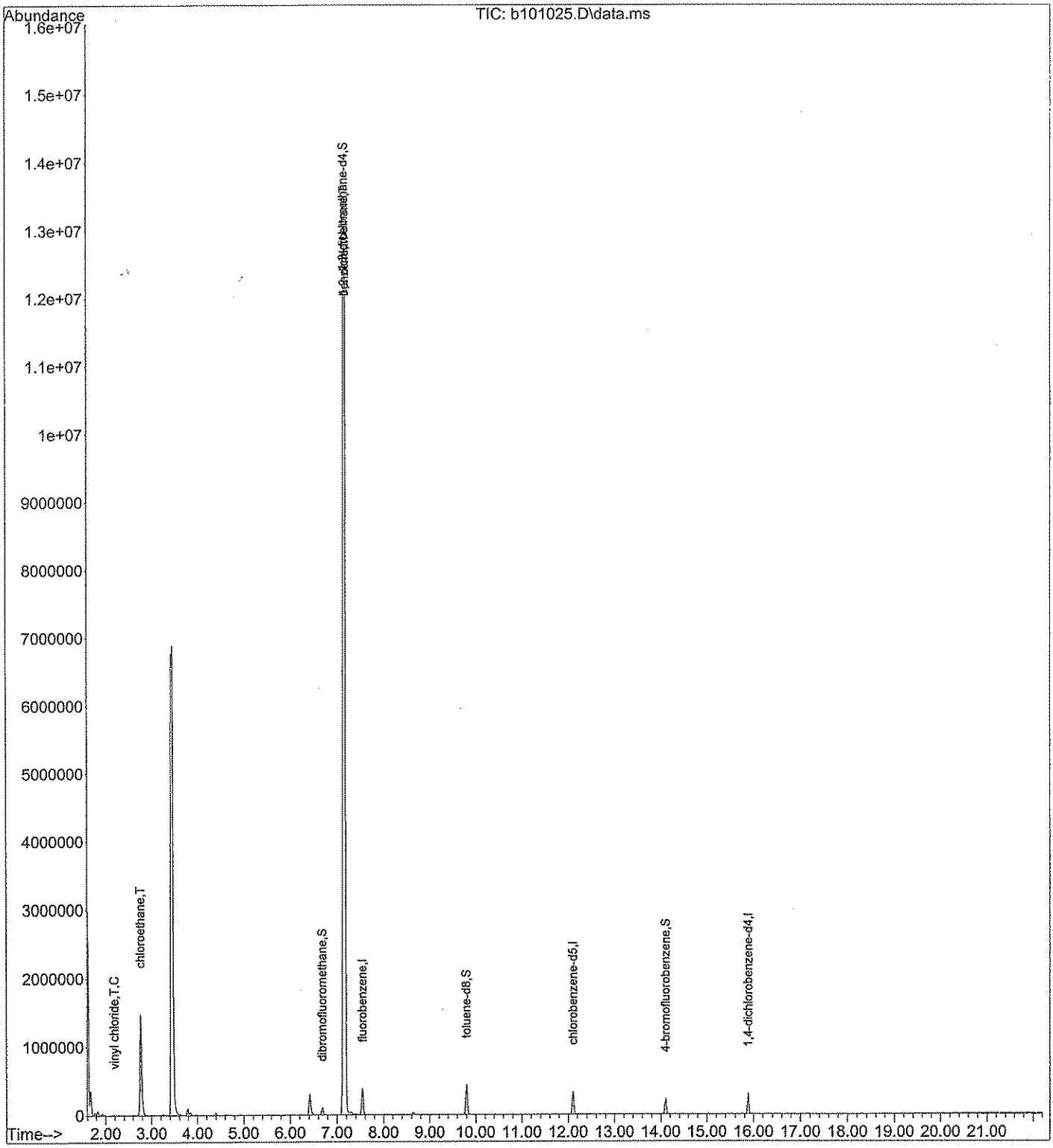
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JV 10/11/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101025.D
Acq On : 10 Oct 2007 7:23 pm
Operator : BR
Sample : ,SAMP,ME0710172-07A,1,
Misc : 8260+_W25
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 10 21:39:44 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101032.D
Acq On : 10 Oct 2007 11:48 pm
Operator : BR
Sample : ,SAMP,ME0710172-07A,20,RA,
Misc : 8260+_W25
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 11 06:54:00 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.542	96	437970	10.00	ug/L	0.00
35) chlorobenzene-d5	12.103	117	283833	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.879	152	99910	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.684	113	88041	10.68	ug/L	0.00
Spiked Amount 10.000			Recovery =	106.80%		
26) 1,2-dichloroethane-d4	7.134	65	78159	10.88	ug/L	0.00
Spiked Amount 10.000			Recovery =	108.80%		
38) toluene-d8	9.804	98	421243	10.19	ug/L	0.00
Spiked Amount 10.000			Recovery =	101.90%		
56) 4-bromofluorobenzene	14.103	95	116982	9.29	ug/L	0.00
Spiked Amount 10.000			Recovery =	92.90%		
Target Compounds						Qvalue
6) chloroethane	2.762	64	93528	13.03	ug/L	97
16) acetonitrile	4.294	41	4841	9.83	ug/L	94
27) benzene	7.152	78	1674807	33.64	ug/L	99
29) 1,2-dichloroethane	7.152	62	13372	1.38	ug/L	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

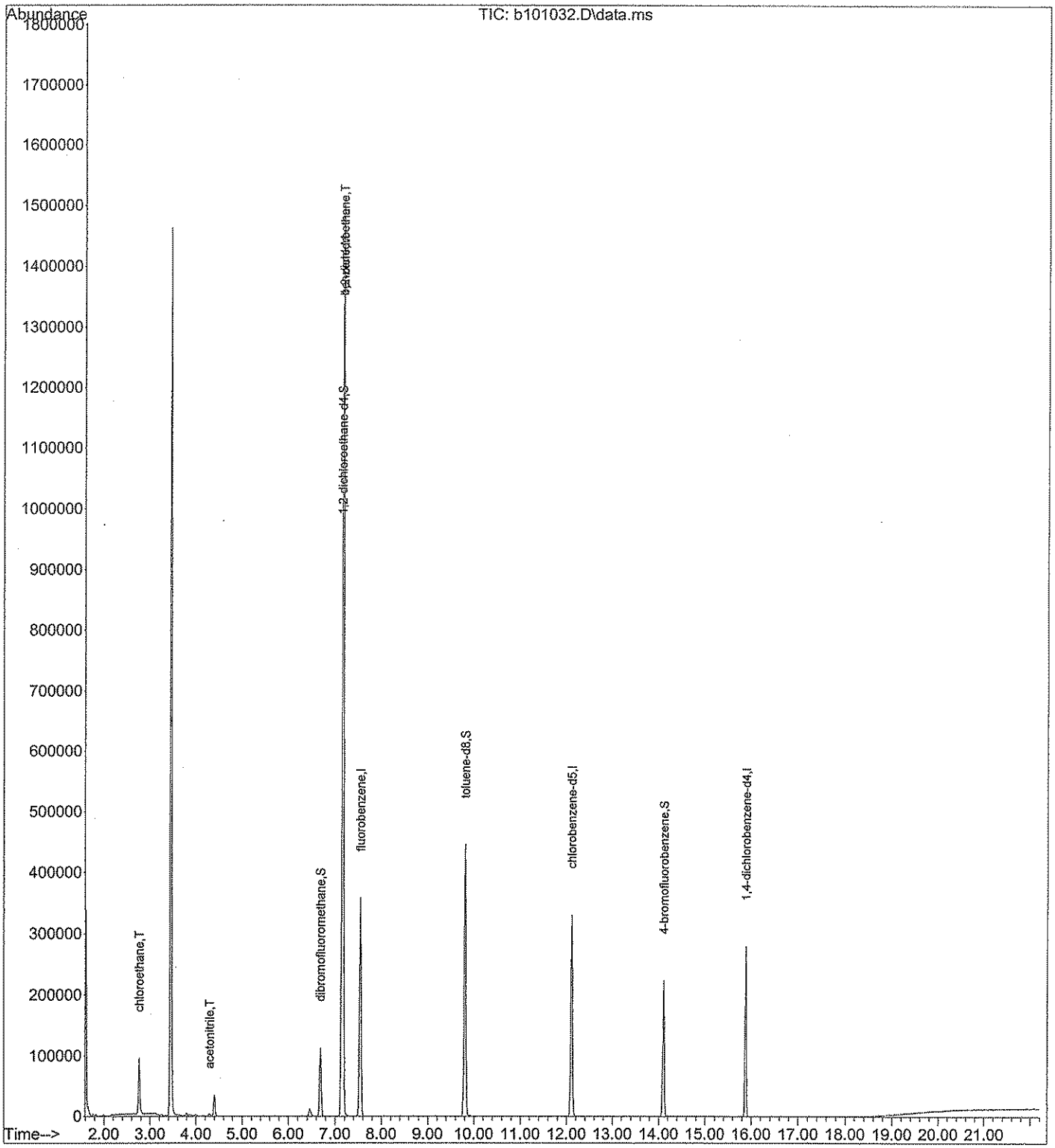
JN 10/11/07

10/11/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101032.D
Acq On : 10 Oct 2007 11:48 pm
Operator : BR
Sample : ,SAMP,ME0710172-07A,20,RA,
Misc : 8260+_W25
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 11 06:54:00 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101026.D
Acq On : 10 Oct 2007 7:55 pm
Operator : BR
Sample : ,SAMP,ME0710172-08A,1,
Misc : 8260+_W25
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 10 21:40:05 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

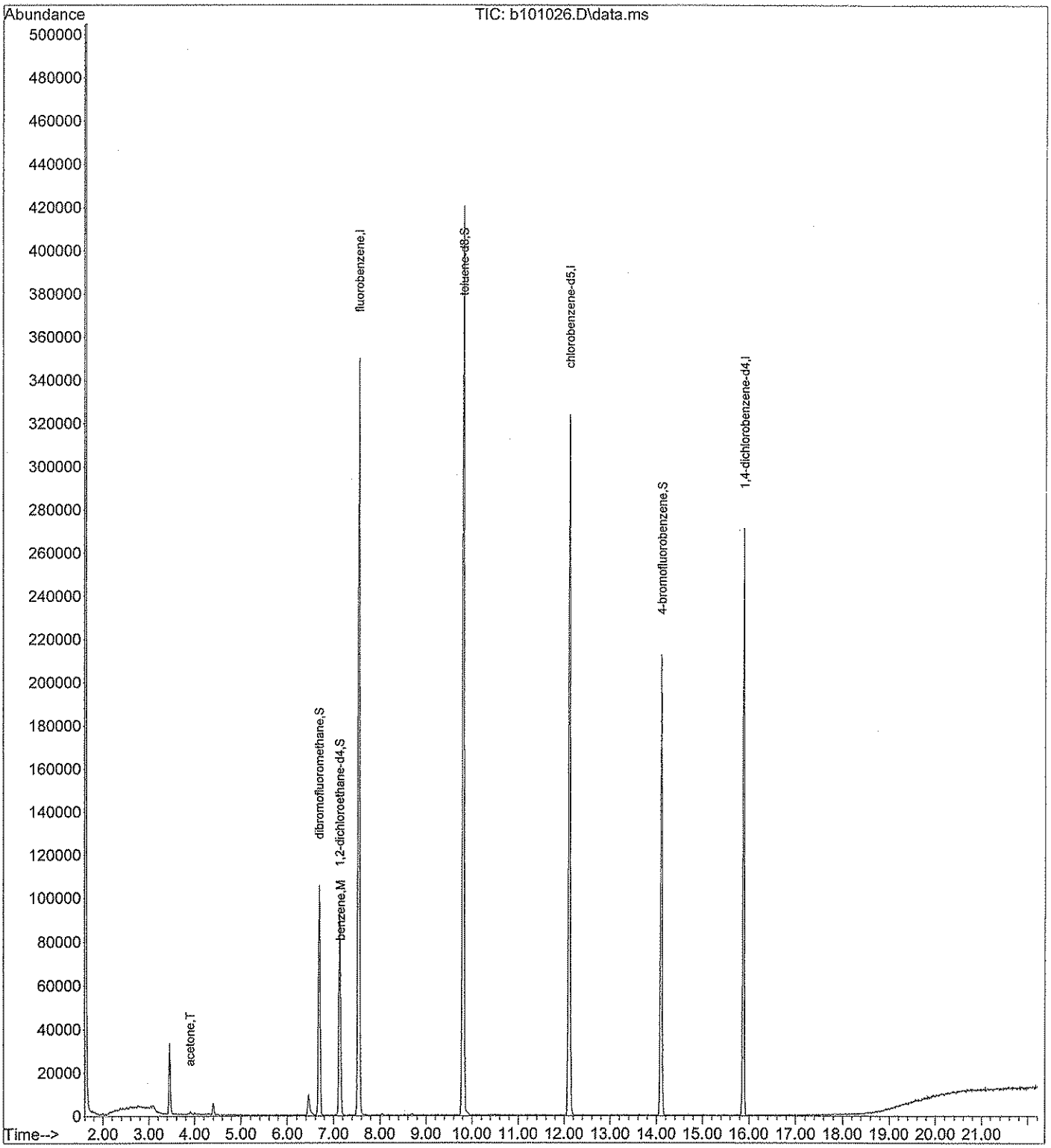
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.542	96	424401	10.00	ug/L	0.00
35) chlorobenzene-d5	12.103	117	280932	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.879	152	98966	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.684	113	84070	10.52	ug/L	0.00
Spiked Amount 10.000			Recovery =	105.20%		
26) 1,2-dichloroethane-d4	7.134	65	74192	10.66	ug/L	0.00
Spiked Amount 10.000			Recovery =	106.60%		
38) toluene-d8	9.804	98	400407	9.79	ug/L	0.00
Spiked Amount 10.000			Recovery =	97.90%		
56) 4-bromofluorobenzene	14.103	95	109124	8.75	ug/L	0.00
Spiked Amount 10.000			Recovery =	87.50%		
Target Compounds						Qvalue
10) acetone	3.905	43	1948	1.90	ug/L	88
27) benzene	7.152	78	20944	0.43	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

JW 10/11/07

Data Path : D:\msdchem\1\data\b101007\
Data File : b101026.D
Acq On : 10 Oct 2007 7:55 pm
Operator : BR
Sample : ,SAMP,ME0710172-08A,1,
Misc : 8260+_W25
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 10 21:40:05 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101027.D
Acq On : 10 Oct 2007 8:27 pm
Operator : BR
Sample : ,SAMP,ME0710172-09A,1,
Misc : 8260+_W25
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 10 21:40:09 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.540	96	419764	10.00	ug/L	0.00
35) chlorobenzene-d5	12.107	117	279789	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.878	152	97232	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.689	113	84339	10.67	ug/L	0.00
Spiked Amount 10.000			Recovery = 106.70%			
26) 1,2-dichloroethane-d4	7.133	65	73763	10.72	ug/L	0.00
Spiked Amount 10.000			Recovery = 107.20%			
38) toluene-d8	9.803	98	400220	9.82	ug/L	0.00
Spiked Amount 10.000			Recovery = 98.20%			
56) 4-bromofluorobenzene	14.102	95	108939	8.77	ug/L	0.00
Spiked Amount 10.000			Recovery = 87.70%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

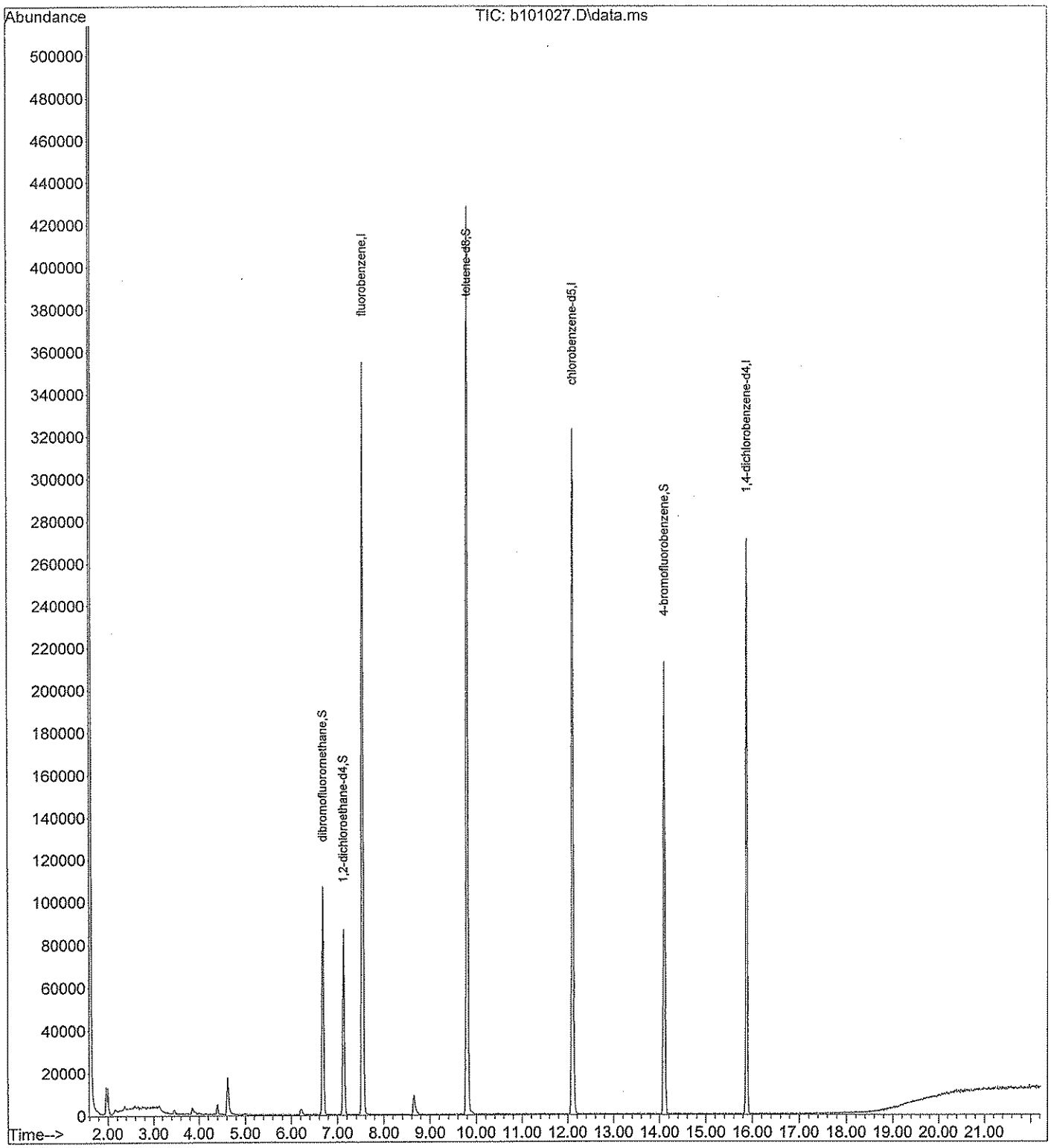
JW 10/11/07

10/11/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101027.D
Acq On : 10 Oct 2007 8:27 pm
Operator : BR
Sample : ,SAMP,ME0710172-09A,1,
Misc : 8260+_W25
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 10 21:40:09 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101028.D
Acq On : 10 Oct 2007 8:59 pm
Operator : BR
Sample : ,SAMP,ME0710172-10A,1,
Misc : 8260+_W25
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 10 21:40:24 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	415567	10.00	ug/L	0.00
35) chlorobenzene-d5	12.108	117	278534	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.872	152	97903	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.690	113	84478	10.80	ug/L	0.00
Spiked Amount 10.000			Recovery =	108.00%		
26) 1,2-dichloroethane-d4	7.133	65	74413	10.92	ug/L	0.00
Spiked Amount 10.000			Recovery =	109.20%		
38) toluene-d8	9.803	98	398599	9.83	ug/L	0.00
Spiked Amount 10.000			Recovery =	98.30%		
56) 4-bromofluorobenzene	14.097	95	107726	8.71	ug/L	0.00
Spiked Amount 10.000			Recovery =	87.10%		
Target Compounds						Qvalue
6) chloroethane	2.761	64	4180	0.61	ug/L	92
10) acetone	3.910	43	4386	4.38	ug/L	88

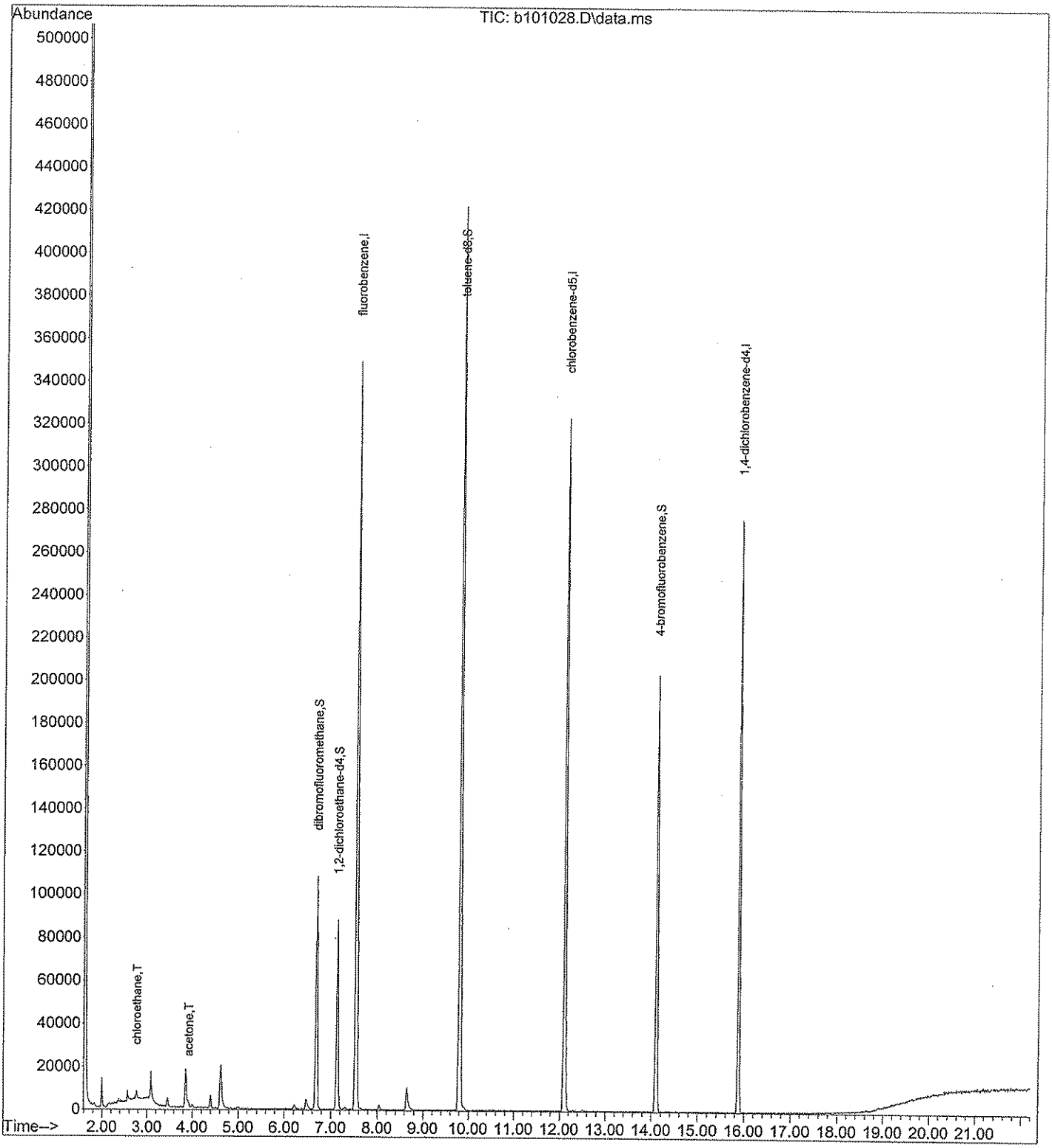
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JP 10/11/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101028.D
Acq On : 10 Oct 2007 8:59 pm
Operator : BR
Sample : ,SAMP,ME0710172-10A,1,
Misc : 8260+_W25
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 10 21:40:24 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101108.D
Acq On : 11 Oct 2007 10:57 am
Operator : NLT
Sample : ,SAMP,ME0710172-11A,1,
Misc : 8260+_W25
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 11:43:29 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	433625	10.00	ug/L	0.00
35) chlorobenzene-d5	12.102	117	284377	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.878	152	95176	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.689	113	85340	10.45	ug/L	0.00
Spiked Amount 10.000			Recovery = 104.50%			
26) 1,2-dichloroethane-d4	7.133	65	76474	10.75	ug/L	0.00
Spiked Amount 10.000			Recovery = 107.50%			
38) toluene-d8	9.803	98	419404	10.13	ug/L	0.00
Spiked Amount 10.000			Recovery = 101.30%			
56) 4-bromofluorobenzene	14.102	95	115012	9.11	ug/L	0.00
Spiked Amount 10.000			Recovery = 91.10%			
Target Compounds						Qvalue
10) acetone	3.910	43	3509	3.36	ug/L	93
22) chloroform	6.470	83	7248	0.39	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

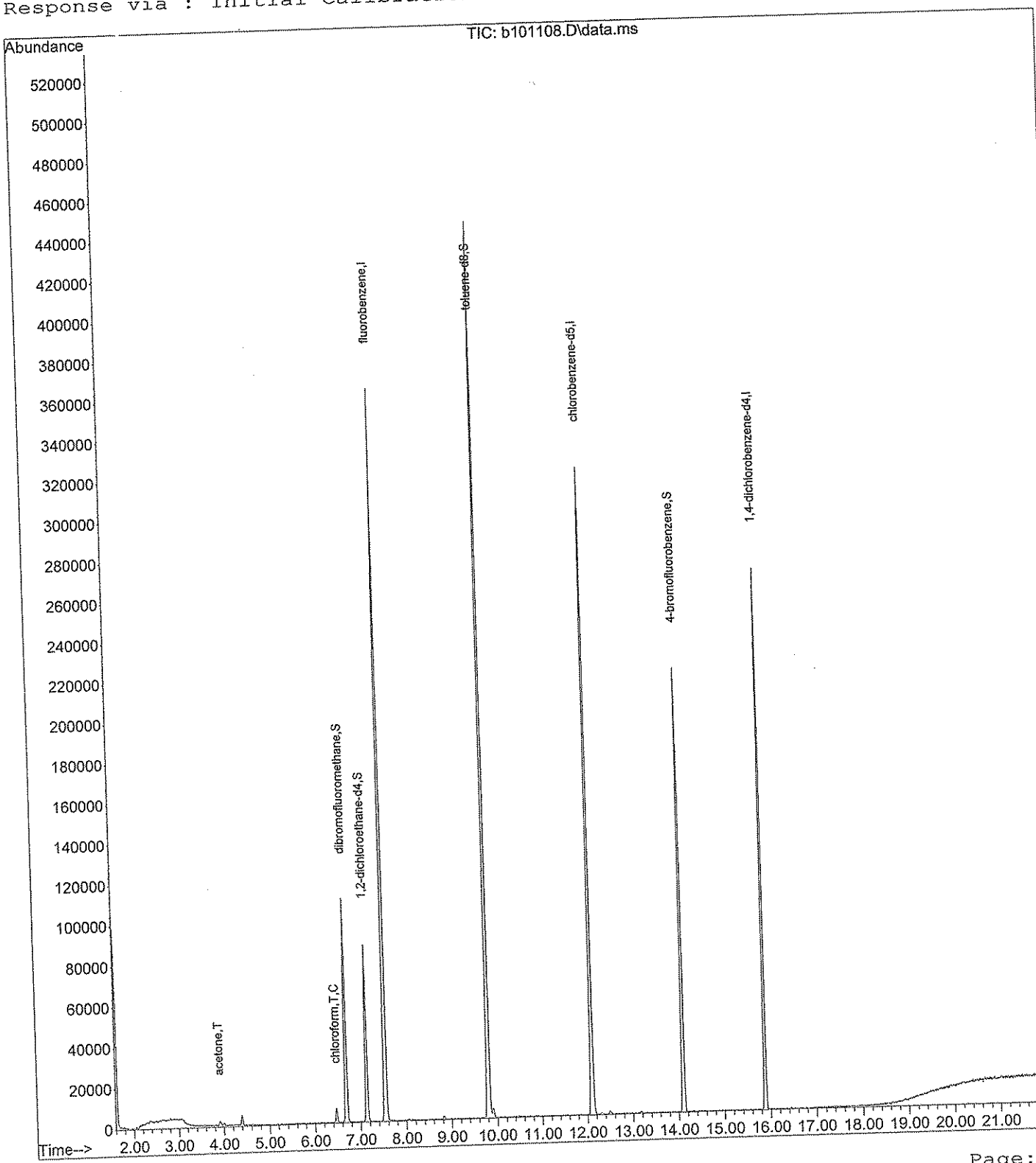
10/11/07
MT

10/16/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101108.D
Acq On : 11 Oct 2007 10:57 am
Operator : NLT
Sample : ,SAMP,ME0710172-11A,1,
Misc : 8260+_W25
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 11:43:29 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



INJECTION LOG(S)

Injection Log

Directory: g:\b101007

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
		b101001.d	1.			
	2	b101002.d	1.	,CCV,CCV 50 ppb,1,	8260_W25	10 Oct 07 05:5
	3	b101003.d	1.	,MBLK,MBLK W-25 10/10/07,1,	624_W25	10 Oct 07 06:3
	4	b101004.d	1.	,LCS,LCS W-10 PPB,1,	624_W25	10 Oct 07 07:0
	5	b101005.d	1.	,SAMP,ME0710178-05A,1,	8260+_W25	10 Oct 07 07:5
	6	b101006.d	1.	,SAMP,ME0710178-01A,1,	8260+_W25	10 Oct 07 08:2
	7	b101007.d	1.	,SAMP,ME0710178-02A,1,	8260+_W25	10 Oct 07 08:5
	8	b101008.d	1.	,SAMP,ME0710178-03A,1,	8260+_W25	10 Oct 07 09:2
	9	b101009.d	1.	,SAMP,ME0710178-04A,1,	8260+_W25	10 Oct 07 09:5
10	10	b101010.d	1.	,SAMP,ME0710178-06A,1,	8260+_W25	10 Oct 07 10:3
11	11	b101011.d	1.	,MS,ME0710178-05AMS,1,	8260+_W25	10 Oct 07 11:0
12	12	b101012.d	1.	,MSD,ME0710178-05AMSD,1,	8260+_W25	10 Oct 07 11:3
13	13	b101013.d	1.	,SAMP,ME0710133-01B,1,	624_W25	10 Oct 07 12:0
14	14	b101014.d	1.	,SAMP,ME0710064-03A,500,RA,	624+_W25	10 Oct 07 12:3
15	15	b101015.d	1.	,SAMP,ME0710064-04A,2,RA,	624+_W25	10 Oct 07 13:1
16	16	b101016.d	1.	,SAMP,ME0710076-02A,10,RA,	8260+_W25	10 Oct 07 13:4
17	17	b101017.d	1.	,SAMP,ME0710076-07A,10,RA,	8260+_W25	10 Oct 07 14:1
18	18	b101018.d	1.	,tune,bfb tune,1,	bfb	10 Oct 07 15:2
19	19	b101019.d	1.	,CCV,CCV 50 ppb,1,	8260+_W25	10 Oct 07 15:4
20	20	b101020.d	1.	,SAMP,ME0710172-01A,1,	8260+_W25	10 Oct 07 16:4
21	21	b101021.d	1.	,SAMP,ME0710172-02A,1,	8260+_W25	10 Oct 07 17:1
22	22	b101022.d	1.	,SAMP,ME0710172-03A,1,	8260+_W25	10 Oct 07 17:4
23	23	b101023.d	1.	,SAMP,ME0710172-05A,1,	8260+_W25	10 Oct 07 18:1
24	24	b101024.d	1.	,SAMP,ME0710172-06A,1,	8260+_W25	10 Oct 07 18:5
25	25	b101025.d	1.	,SAMP,ME0710172-07A,1,	8260+_W25	10 Oct 07 19:2
26	26	b101026.d	1.	,SAMP,ME0710172-08A,1,	8260+_W25	10 Oct 07 19:5
27	27	b101027.d	1.	,SAMP,ME0710172-09A,1,	8260+_W25	10 Oct 07 20:2
28	28	b101028.d	1.	,SAMP,ME0710172-10A,1,	8260+_W25	10 Oct 07 20:5
29	29	b101029.d	1.	,MS,ME0710076-05AMS,1,	8260+_W25	10 Oct 07 22:1
30	30	b101030.d	1.	,MSD,ME0710076-05AMSD,1,	8260+_W25	10 Oct 07 22:4
31	31	b101031.d	1.	,SAMP,ME0710172-06A,20,RA,	8260+_W25	10 Oct 07 23:1
32	32	b101032.d	1.	,SAMP,ME0710172-07A,20,RA,	8260+_W25	10 Oct 07 23:4
33	33	b101033.d	1.	RINSE	8260+_W25	11 Oct 07 00:2

Injection Log

Directory: g:\b101107

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	b101101.d	1.	,tune,bfb tune,1,	bfb	11 Oct 07 06:4
2	2	b101102.d	1.	,CCV,CCV 50 ppb,1,	8260+_W25	11 Oct 07 07:0
3	3	b101103.d	1.	,CCV,CCV 50 ppb,1,	8260+_W25	11 Oct 07 07:4
4	4	b101104.d	1.	,MBLK,MBLK W-25 10/11/07,1,	8260+_W25	11 Oct 07 08:3
5	5	b101105.d	1.	,LCS,LCS W-10 PPB,1,	8260+_W25	11 Oct 07 09:0
6	6	b101106.d	1.	WRONG VIAL	8260+_W25	11 Oct 07 09:5
7	7	b101107.d	1.	,SAMP,ME0710172-04A,1,	8260+_W25	11 Oct 07 10:2
8	8	b101108.d	1.	,SAMP,ME0710172-11A,1,	8260+_W25	11 Oct 07 10:5
9	9	b101109.d	1.	,SAMP,ME0710205-01A,1,	8260+_W25	11 Oct 07 11:3
10	10	b101110.d	1.	,SAMP,ME0710205-02A,1,	8260+_W25	11 Oct 07 12:0
11	11	b101111.d	1.	,MS,ME0710172-04AMS,1,	8260+_W25	11 Oct 07 12:3
12	12	b101112.d	1.	,MSD,ME0710172-04AMSD,1,	8260+_W25	11 Oct 07 13:0
13	13	b101113.d	1.	,SAMP,ME0710258-01A,1,	8260+_W25	11 Oct 07 13:3
14	14	b101114.d	1.	,SAMP,ME0710258-02A,1,	8260+_W25	11 Oct 07 14:1
15	15	b101115.d	1.	,SAMP,ME0710258-03A,1,	8260+_W25	11 Oct 07 14:4
16	16	b101116.d	1.	,SAMP,ME0710258-04A,1,	8260+_W25	11 Oct 07 15:1
17	17	b101117.d	1.	,SAMP,ME0710258-05A,1,	8260+_W25	11 Oct 07 15:4
18	1	b101118.d	1.	,tune,bfb tune,1,	bfb	11 Oct 07 16:2
19	2	b101119.d	1.	,CCV,CCV 50 ppb,1,	8260+_W25	11 Oct 07 16:5
20	1	b101120.d	1.	,tune,bfb tune,1,	bfb	11 Oct 07 17:3
21	2	b101121.d	1.	,CCV,CCV 50 ppb,1,	8260+_W25	11 Oct 07 17:5
22	3	b101122.d	1.	,MBLK,MBLK W-25 10/11/07,1,	8260_W25	11 Oct 07 18:4
23	4	b101123.d	1.	,LCS,LCS W-10 PPB,1,	8260_W25	11 Oct 07 19:1
24	5	b101124.d	1.	,SAMP,ME0710258-05A,5,RA,	8260+_W25	11 Oct 07 20:2
25	6	b101125.d	1.	,MS,ME0710258-05AMS,5,	8260_W25	11 Oct 07 20:5
26	7	b101126.d	1.	,MSD,ME0710258-05AMSD,51,	8260_W25	11 Oct 07 21:2
27	8	b101127.d	1.	,SAMP,ME0710258-06A,1,	8260+_W25	11 Oct 07 21:5
28	9	b101128.d	1.	,SAMP,ME0710258-07A,1,	8260+_W25	11 Oct 07 22:2
29	10	b101129.d	1.	,SAMP,ME0710258-08A,1,	8260+_W25	11 Oct 07 23:0
30	11	b101130.d	1.	,SAMP,ME0710258-09A,1,	8260+_W25	11 Oct 07 23:3
31	12	b101131.d	1.	,SAMP,ME0710258-10A,1,	8260+_W25	12 Oct 07 00:0
32	13	b101132.d	1.	,SAMP,ME0710258-11A,1,	8260+_W25	12 Oct 07 00:3
33	14	b101133.d	1.	,SAMP,ME0710258-12A,1,	8260+_W25	12 Oct 07 01:0
34	15	b101134.d	1.	,SAMP,ME0710258-13A,1,	8260+_W25	12 Oct 07 01:4
35	16	b101135.d	1.	,SAMP,ME0710258-14A,1,	8260+_W25	12 Oct 07 02:1
36	17	b101136.d	1.	,SAMP,ME0710258-15A,1,	8260+_W25	12 Oct 07 02:4
37	18	b101137.d	1.	,SAMP,ME0710258-16A,1,	8260+_W25	12 Oct 07 03:1
38	19	b101138.d	1.	,SAMP,ME0710258-17A,1,	8260+_W25	12 Oct 07 03:4
39	20	b101139.d	1.	,SAMP,ME0710258-18A,1,	8260+_W25	12 Oct 07 04:2
40	21	b101140.d	1.	RINSE	8260+_W25	12 Oct 07 04:5
41	22	b101141.d	1.	RINSE	8260+_W25	12 Oct 07 05:2
42	23	b101142.d	1.	RINSE	8260+_W25	12 Oct 07 05:5

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101007\\
Data File : b101020.D
Acq On : 10 Oct 2007 4:43 pmm
Operator : BRR
Sample : ,SAMP,ME0710172-01A,1,,
Misc : 8260+_W255
ALS Vial : 20 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101020.D
Acq On : 10 Oct 2007 4:43 pm
Operator : BR
Sample : ,SAMP,ME0710172-01A,1,
Misc : 8260+_W25
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101020.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.394	454	461	471	rVB	25878	59230	5.46%	1.322%
2	6.687	826	838	855	rVB	107986	272111	25.10%	6.076%
3	7.131	899	911	928	rBV	83506	210470	19.42%	4.699%
4	7.538	966	978	997	rBV	368760	902844	83.29%	20.158%
5	9.800	1338	1350	1363	rBV	430096	1084025	100.00%	24.203%
6	12.105	1717	1729	1747	rVB	335127	839974	77.49%	18.754%
7	14.100	2046	2057	2072	rVB	219819	527506	48.66%	11.778%
8	15.876	2339	2349	2360	rVB	284198	582644	53.75%	13.009%

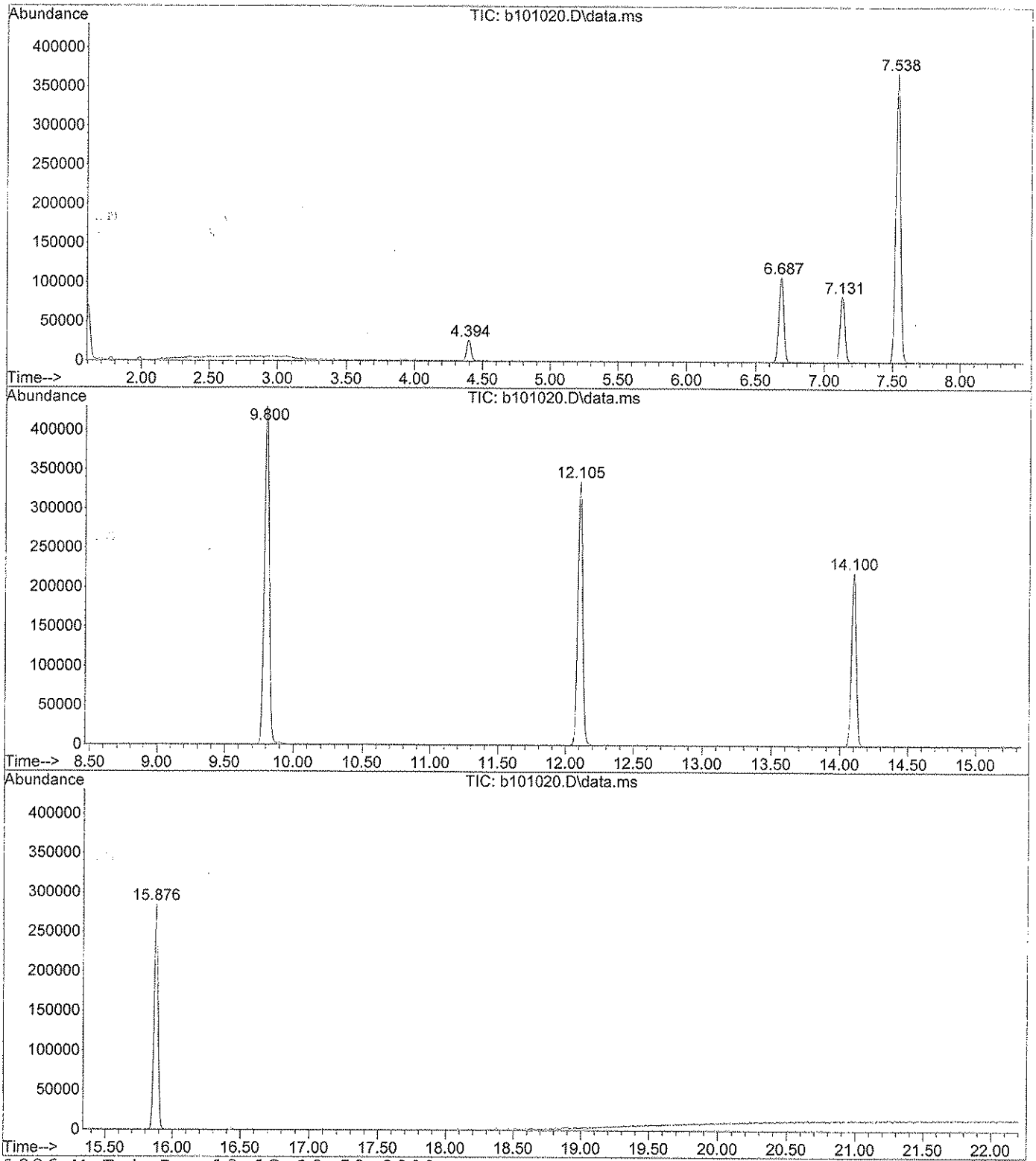
Sum of corrected areas: 4478804

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101007\
Data File : b101020.D
Acq On : 10 Oct 2007 4:43 pm
Operator : BR
Sample : ,SAMP,ME0710172-01A,1,
Misc : 8260+_W25
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101007\\
Data File : b101021.D
Acq On : 10 Oct 2007 5:15 pmm
Operator : BRR
Sample : ,SAMP,ME0710172-02A,1,,
Misc : 8260+_W255
ALS Vial : 21 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101021.D
Acq On : 10 Oct 2007 5:15 pm
Operator : BR
Sample : ,SAMP,ME0710172-02A,1,
Misc : 8260+_W25
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101021.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.686	827	838	853	rBV	108025	270883	25.39%	6.257%
2	7.130	900	911	924	rBV	85142	209864	19.67%	4.848%
3	7.537	966	978	995	rBV	359016	881803	82.67%	20.369%
4	9.805	1338	1351	1366	rBV	419167	1066692	100.00%	24.640%
5	12.104	1718	1729	1749	rVB	326282	829420	77.76%	19.159%
6	14.099	2047	2057	2071	rVB	215468	516457	48.42%	11.930%
7	15.875	2339	2349	2362	rVB	268218	554034	51.94%	12.798%

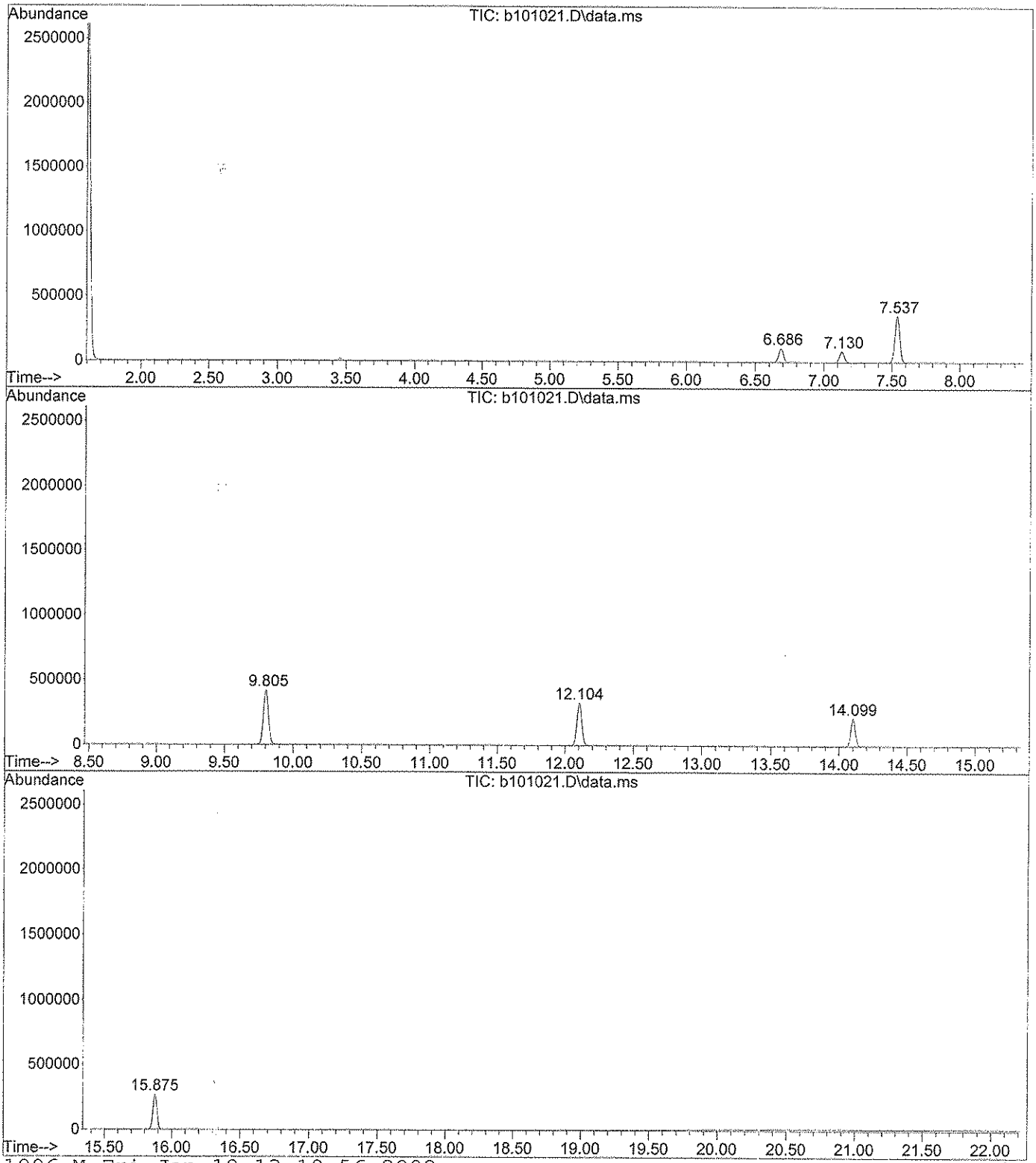
Sum of corrected areas: 4329153

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101007\
Data File : b101021.D
Acq On : 10 Oct 2007 5:15 pm
Operator : BR
Sample : ,SAMP,ME0710172-02A,1,
Misc : 8260+_W25
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101007\\
Data File : b101022.D
Acq On : 10 Oct 2007 5:46 pmm
Operator : BRR
Sample : ,SAMP,ME0710172-03A,1,,
Misc : 8260+_W255
ALS Vial : 22 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101022.D
Acq On : 10 Oct 2007 5:46 pm
Operator : BR
Sample : ,SAMP,ME0710172-03A,1,
Misc : 8260+_W25
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101022.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.687	826	838	851	rBV	108021	270018	25.57%	6.309%
2	7.131	897	911	924	rVB	82269	207984	19.70%	4.859%
3	7.538	963	978	993	rBV	353021	871223	82.51%	20.356%
4	9.800	1339	1350	1375	rBV	421286	1055930	100.00%	24.671%
5	12.105	1714	1729	1746	rBV	320489	819369	77.60%	19.144%
6	14.100	2044	2057	2069	rBV	212036	508473	48.15%	11.880%
7	15.876	2336	2349	2360	rBV	271720	547030	51.81%	12.781%

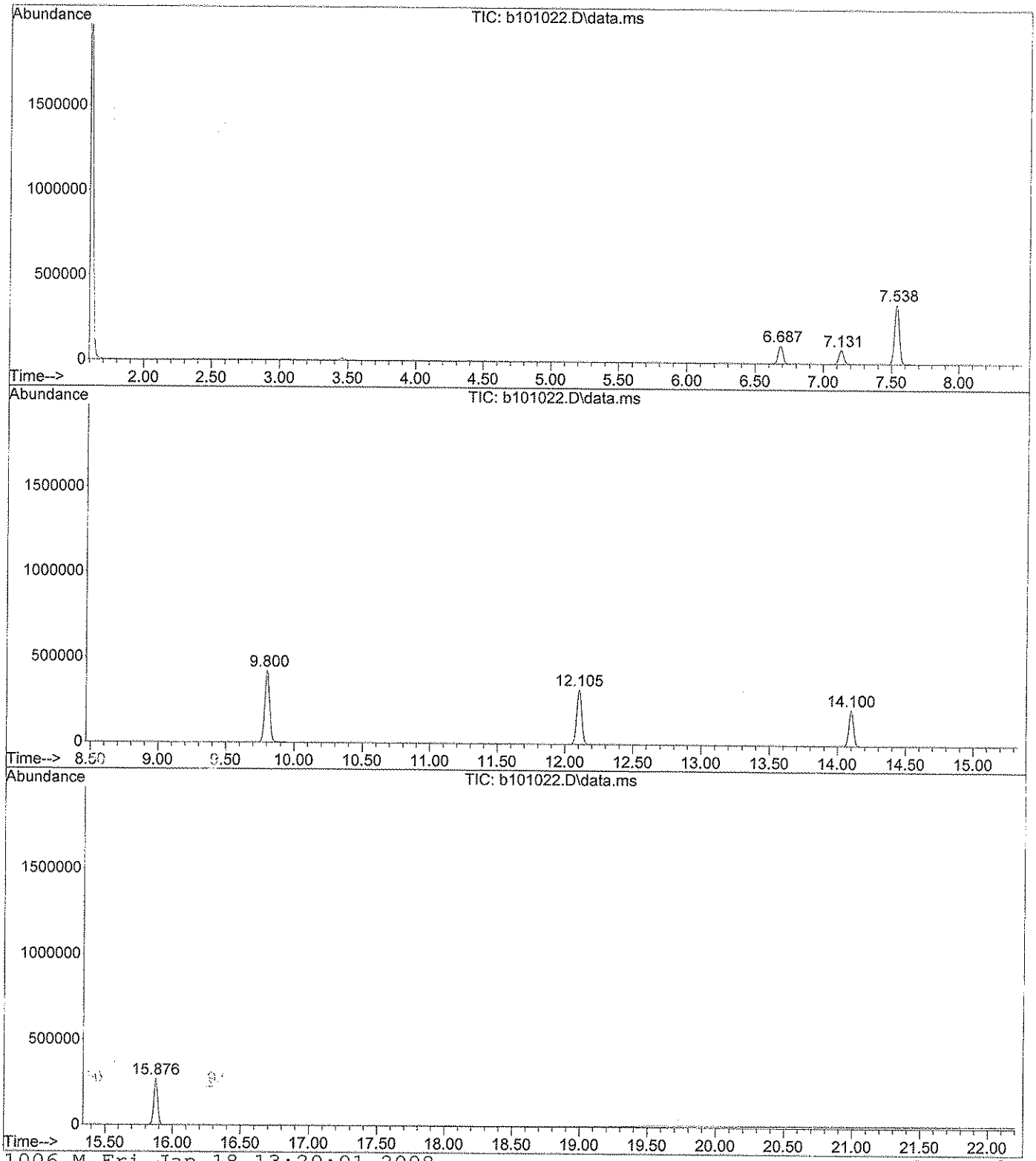
Sum of corrected areas: 4280027

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101007\
Data File : b101022.D
Acq On : 10 Oct 2007 5:46 pm
Operator : BR
Sample : ,SAMP,ME0710172-03A,1,
Misc : 8260+ W25
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101107\
Data File : b101107.D
Acq On : 11 Oct 2007 10:25 am
Operator : NLT
Sample : ,SAMP,ME0710172-04A,1,
Misc : 8260+_W25
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Cyclohexene, 4-...	11.323	9.3	ug/L	756825	2	12.102	817931	10.0
n-Butyl ether	12.278	1.3	ug/L	105141	2	12.102	817931	10.0

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101107.D
Acq On : 11 Oct 2007 10:25 am
Operator : NLT
Sample : ,SAMP,ME0710172-04A,1,
Misc : 8260+_W25
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101107.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.683	825	838	854	rVB3	125691	332087	22.50%	4.611%
2	7.133	902	912	922	rBV2	100382	266441	18.05%	3.700%
3	7.541	967	979	1000	rBV	363129	911093	61.73%	12.651%
4	9.803	1338	1351	1363	rBV	451274	1133783	76.82%	15.743%
5	11.323	1588	1601	1623	rVB	298757	756825	51.28%	10.509%
6	12.108	1717	1730	1732	rBV	360420	817931	55.42%	11.357%
7	12.150	1732	1737	1750	rVV	581881	1475854	100.00%	20.493%
8	12.278	1750	1758	1772	rVB	35732	105141	7.12%	1.460%
9	14.103	2042	2058	2070	rBV	242454	593386	40.21%	8.239%
10	15.878	2341	2350	2363	rVB	311373	711361	48.20%	9.878%
11	16.432	2434	2441	2450	rVB	49645	97889	6.63%	1.359%

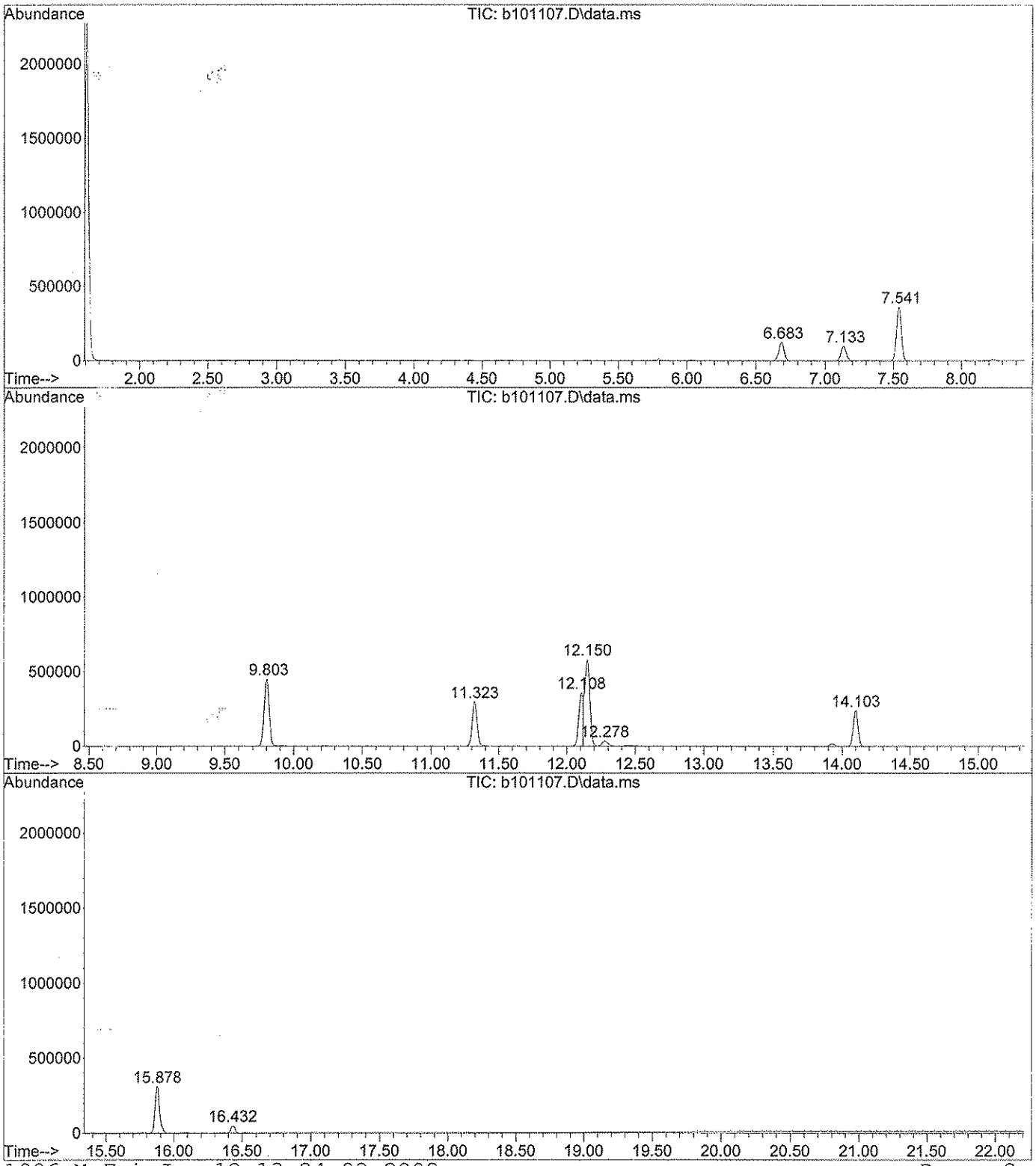
Sum of corrected areas: 7201791

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101107\
Data File : b101107.D
Acq On : 11 Oct 2007 10:25 am
Operator : NLT
Sample : ,SAMP,ME0710172-04A,1,
Misc : 8260+_W25
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101107.D
Acq On : 11 Oct 2007 10:25 am
Operator : NLT
Sample : ,SAMP,ME0710172-04A,1,
Misc : 8260+_W25
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

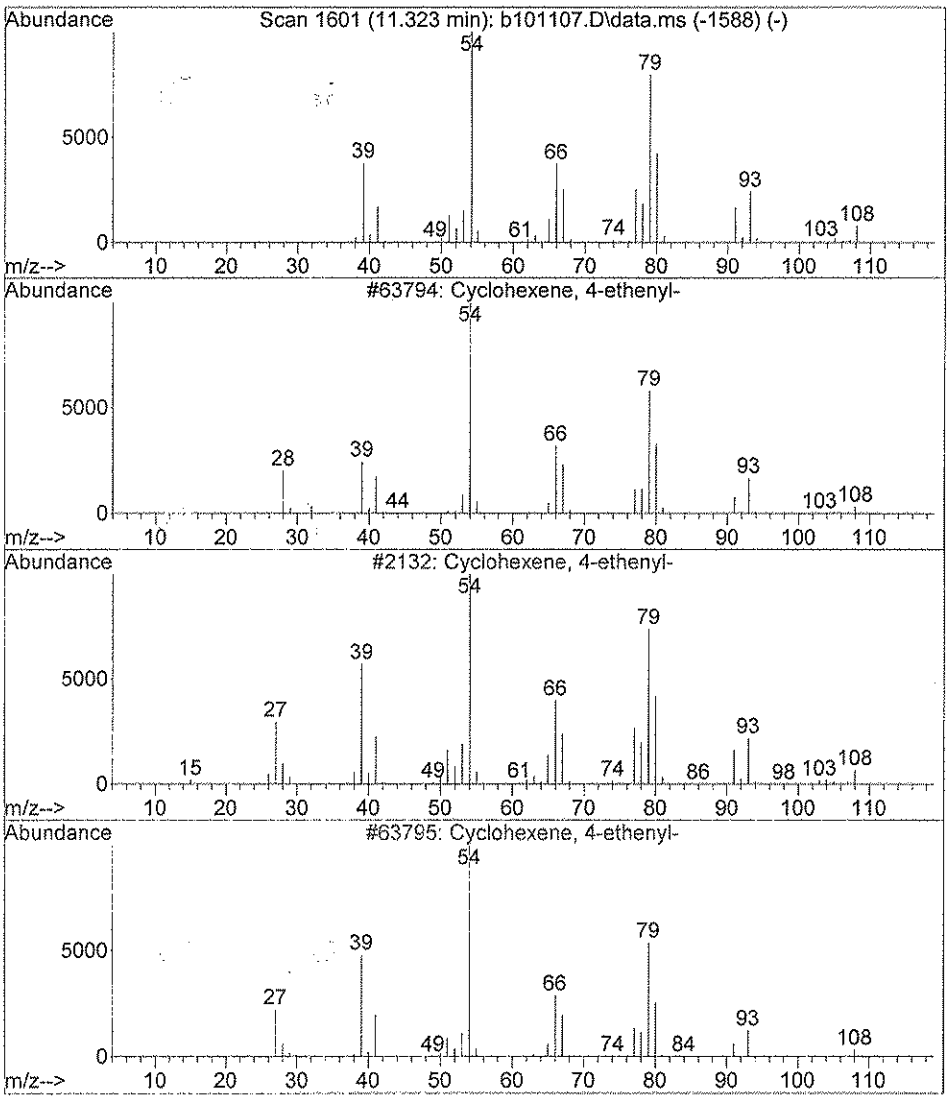
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

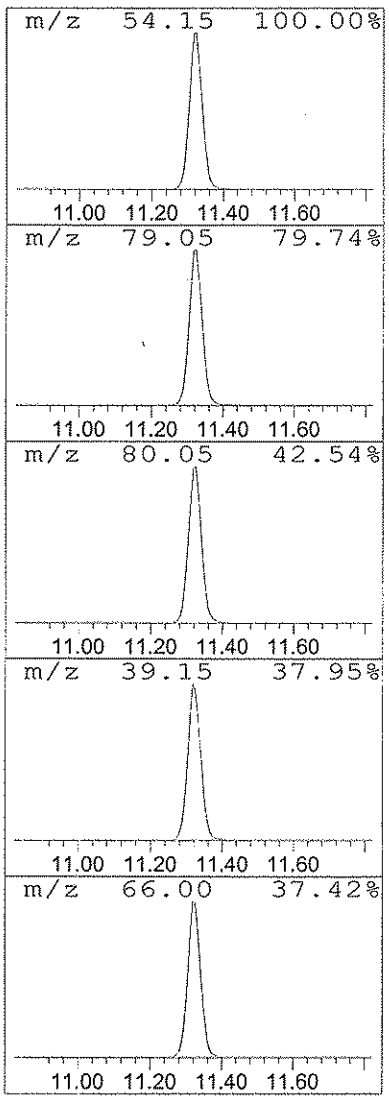
****

Peak Number 1 Cyclohexene, 4-ethenyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.323	9.25 ug/L	756825	chlorobenzene-d5	12.102

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-ethenyl-	108	C8H12	000100-40-3	96
2	Cyclohexene, 4-ethenyl-	108	C8H12	000100-40-3	95
3	Cyclohexene, 4-ethenyl-	108	C8H12	000100-40-3	94
4	Cyclohexene, 4-ethenyl-	108	C8H12	000100-40-3	91
5	4-Fluoro-4,5-dichlorocyclohexane	170	C6H9Cl2F	000000-00-0	83





Library Search Compound Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101107.D
Acq On : 11 Oct 2007 10:25 am
Operator : NLT
Sample : ,SAMP,ME0710172-04A,1,
Misc : 8260+_W25
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

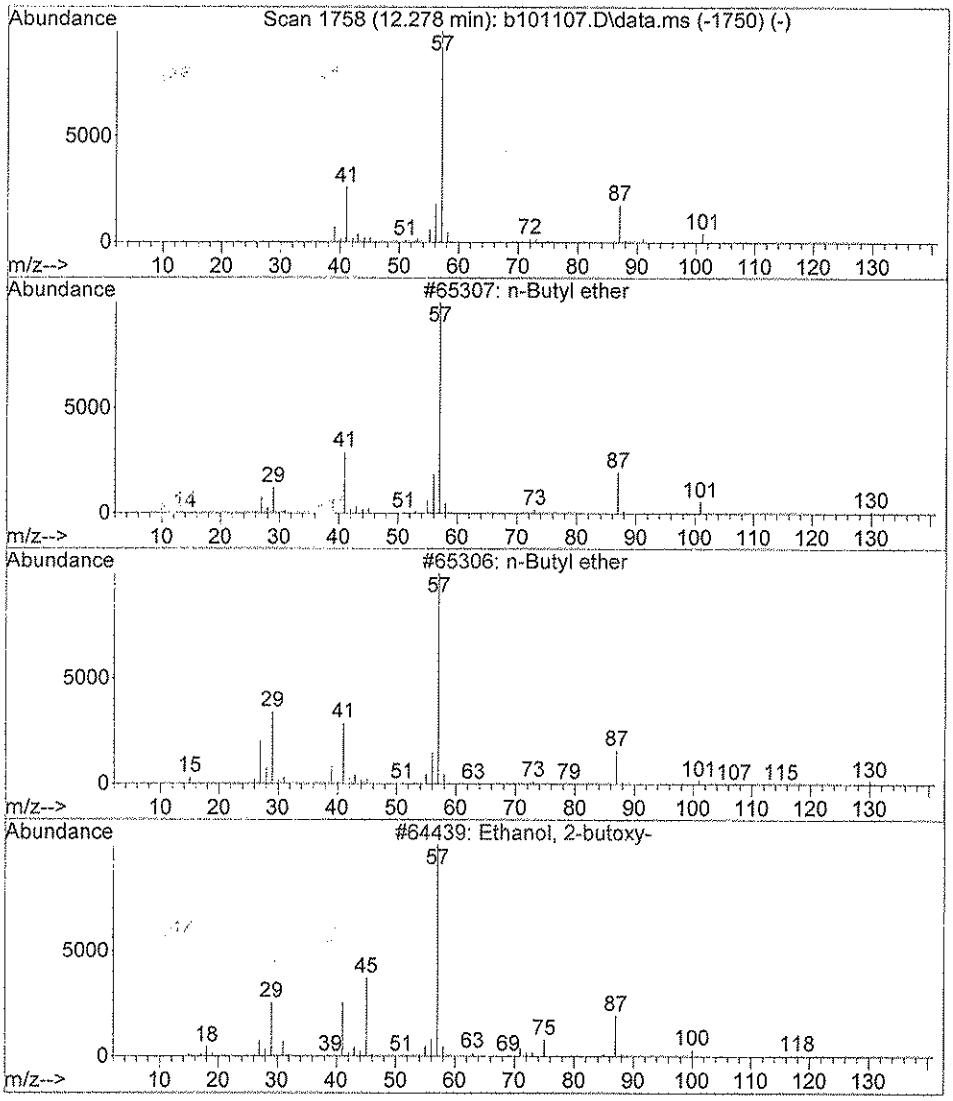
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

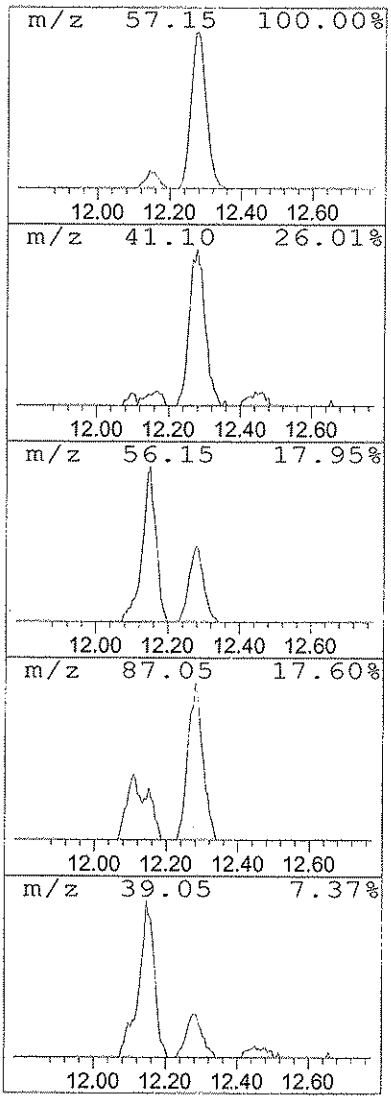
****

Peak Number 2 n-Butyl ether Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.278	1.29 ug/L	105141	chlorobenzene-d5	12.102

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Butyl ether	130	C8H18O	000142-96-1	78
2	n-Butyl ether	130	C8H18O	000142-96-1	72
3	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	64
4	n-Butyl ether	130	C8H18O	000142-96-1	59
5	1-Butene, 4-butoxy-	128	C8H16O	034061-76-2	40





Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101007\
Data File : b101023.D
Acq On : 10 Oct 2007 6:19 pm
Operator : BR
Sample : ,SAMP,ME0710172-05A,1,
Misc : 8260+_W25
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

					--Internal Standard---		
TIC Top Hit name	RT	EstConc	Units	Response	# RT	Resp	Conc
Ether	3.448	3.7	ug/L	320194	1 7.541	876755	10.0

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101023.D
Acq On : 10 Oct 2007 6:19 pm
Operator : BR
Sample : ,SAMP,ME0710172-05A,1,
Misc : 8260+_W25
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101023.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.843	37	42	52	rVB	154660	269368	25.93%	5.123%
2	2.761	186	193	215	rVB	49900	120939	11.64%	2.300%
3	3.448	299	306	320	rVB	159166	320194	30.83%	6.090%
4	6.683	828	838	852	rVB	105698	268254	25.83%	5.102%
5	7.140	899	913	925	rBV3	126995	373431	35.95%	7.102%
6	7.541	968	979	990	rBV	346835	876755	84.41%	16.675%
7	9.803	1340	1351	1363	rBV	410458	1038630	100.00%	19.754%
8	12.102	1719	1729	1748	rBV	320484	826487	79.57%	15.719%
9	14.097	2047	2057	2069	rBV	216948	523317	50.39%	9.953%
10	15.872	2339	2349	2361	rVB	306710	640572	61.67%	12.183%

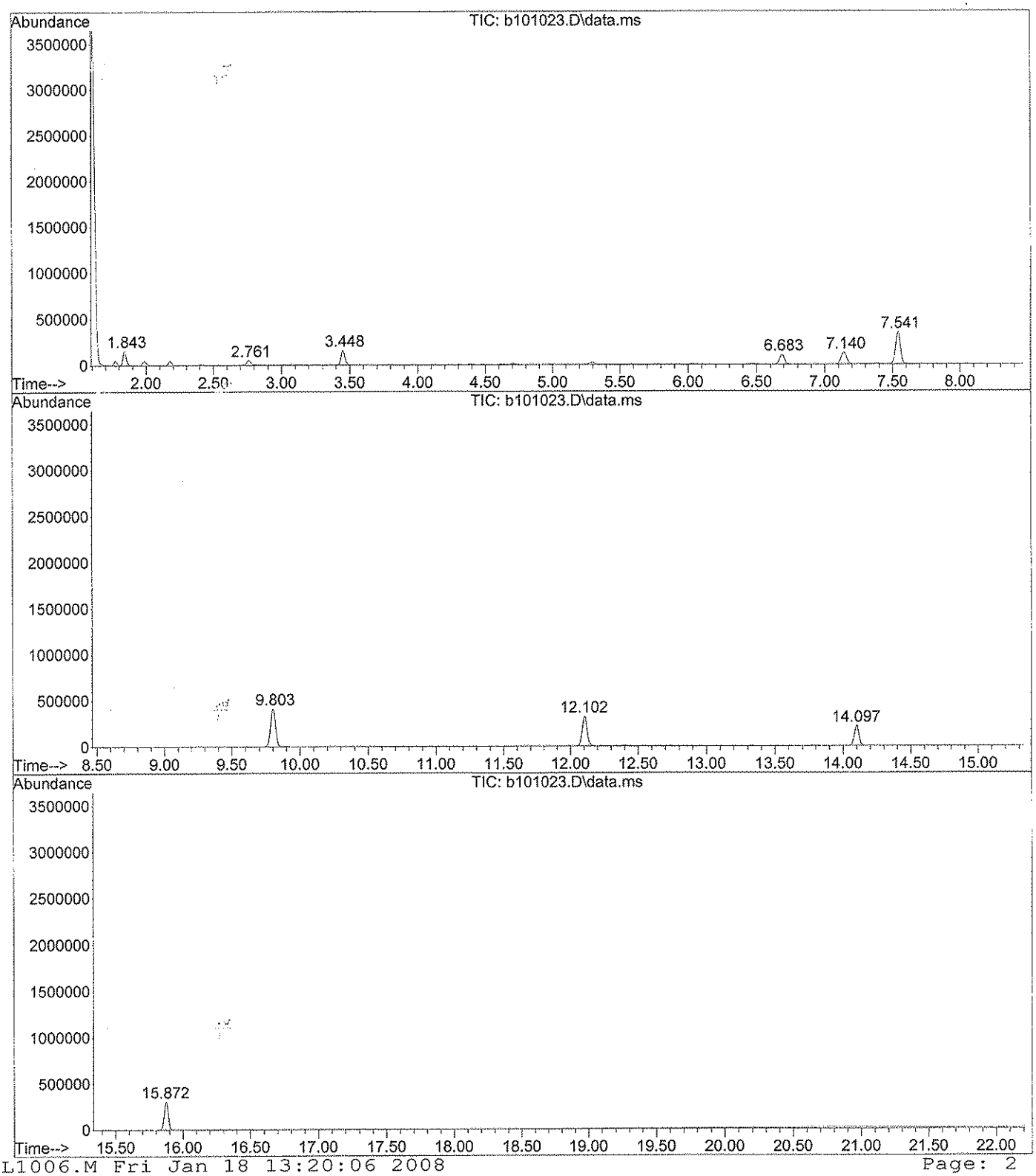
Sum of corrected areas: 5257947

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101007\
Data File : b101023.D
Acq On : 10 Oct 2007 6:19 pm
Operator : BR
Sample : ,SAMP,ME0710172-05A,1,
Misc : 8260+_W25
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Data Path : D:\msdchem\1\data\b101007\
Data File : b101023.D
Acq On : 10 Oct 2007 6:19 pm
Operator : BR
Sample : ,SAMP,ME0710172-05A,1,
Misc : 8260+_W25
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

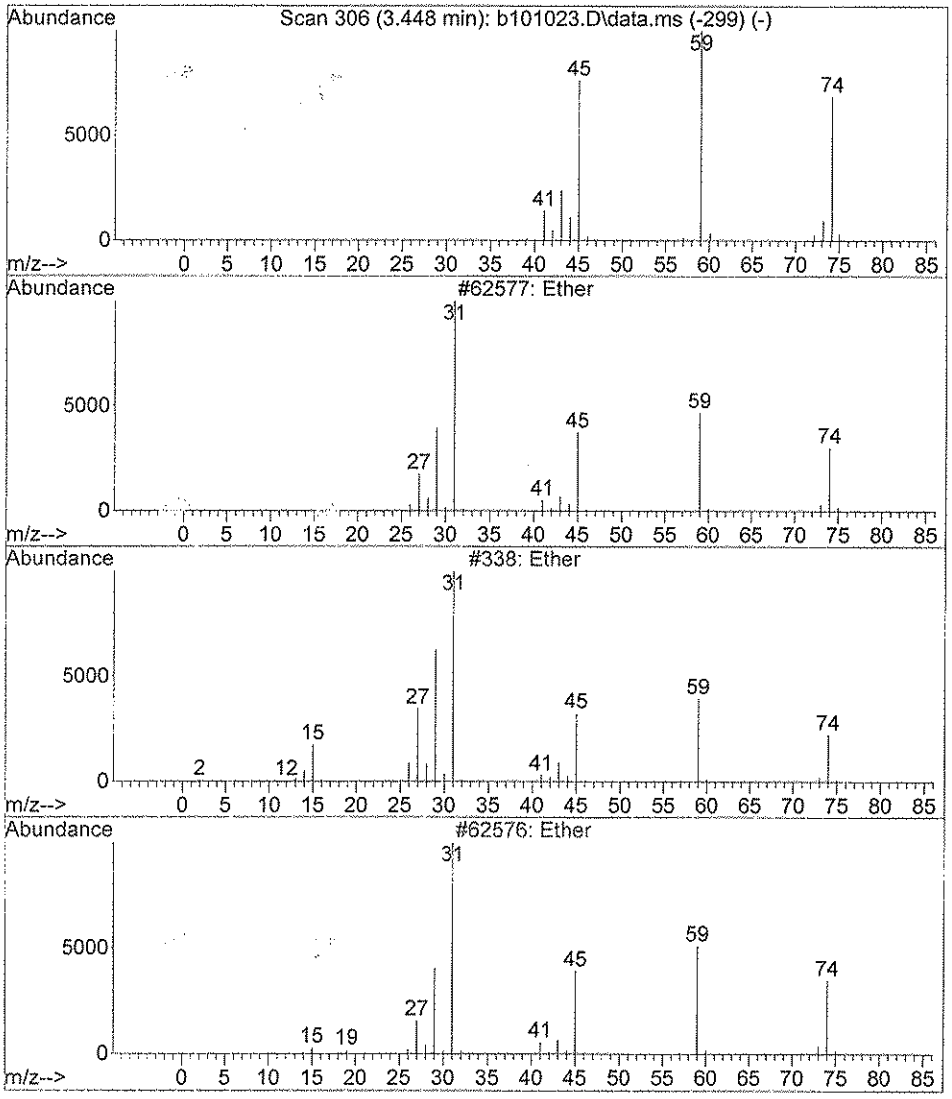
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

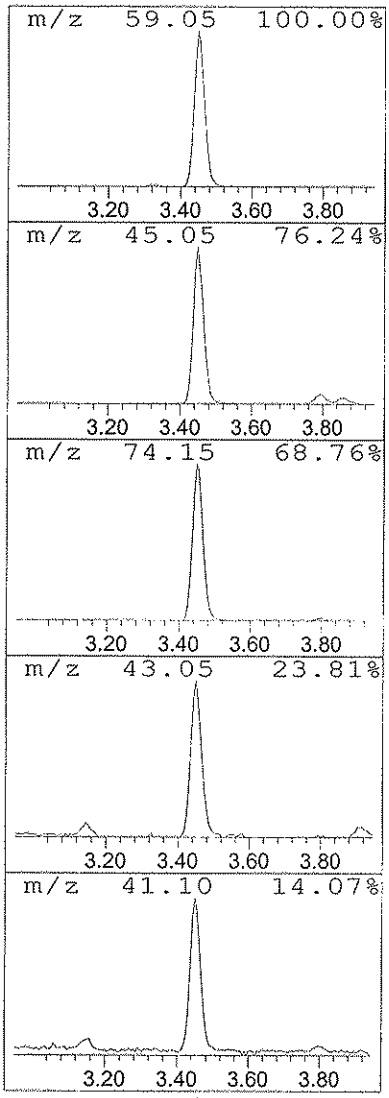
****

Peak Number 1 Ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.448	3.65 ug/L	320194	fluorobenzene	7.541

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ether	74	C4H10O	000060-29-7	90
2	Ether	74	C4H10O	000060-29-7	90
3	Ether	74	C4H10O	000060-29-7	86
4	Ether	74	C4H10O	000060-29-7	86
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	42





Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101007\
Data File : b101024.D
Acq On : 10 Oct 2007 6:51 pm
Operator : BR
Sample : ,SAMP,ME0710172-06A,1,
Misc : 8260+_W25
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ether	3.427	2.0	ug/L	9447380	1	7.538	47538200	10.0

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101024.D
Acq On : 10 Oct 2007 6:51 pm
Operator : BR
Sample : ,SAMP,ME0710172-06A,1,
Misc : 8260+_W25
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101024.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.758	182	192	219	rBV	1501852	3778348	7.95%	6.218%
2	3.427	294	302	303	rBV	6746346	9447376	19.87%	15.548%
3	7.155	901	915	933	rBV2	13321873	47538204	100.00%	78.234%

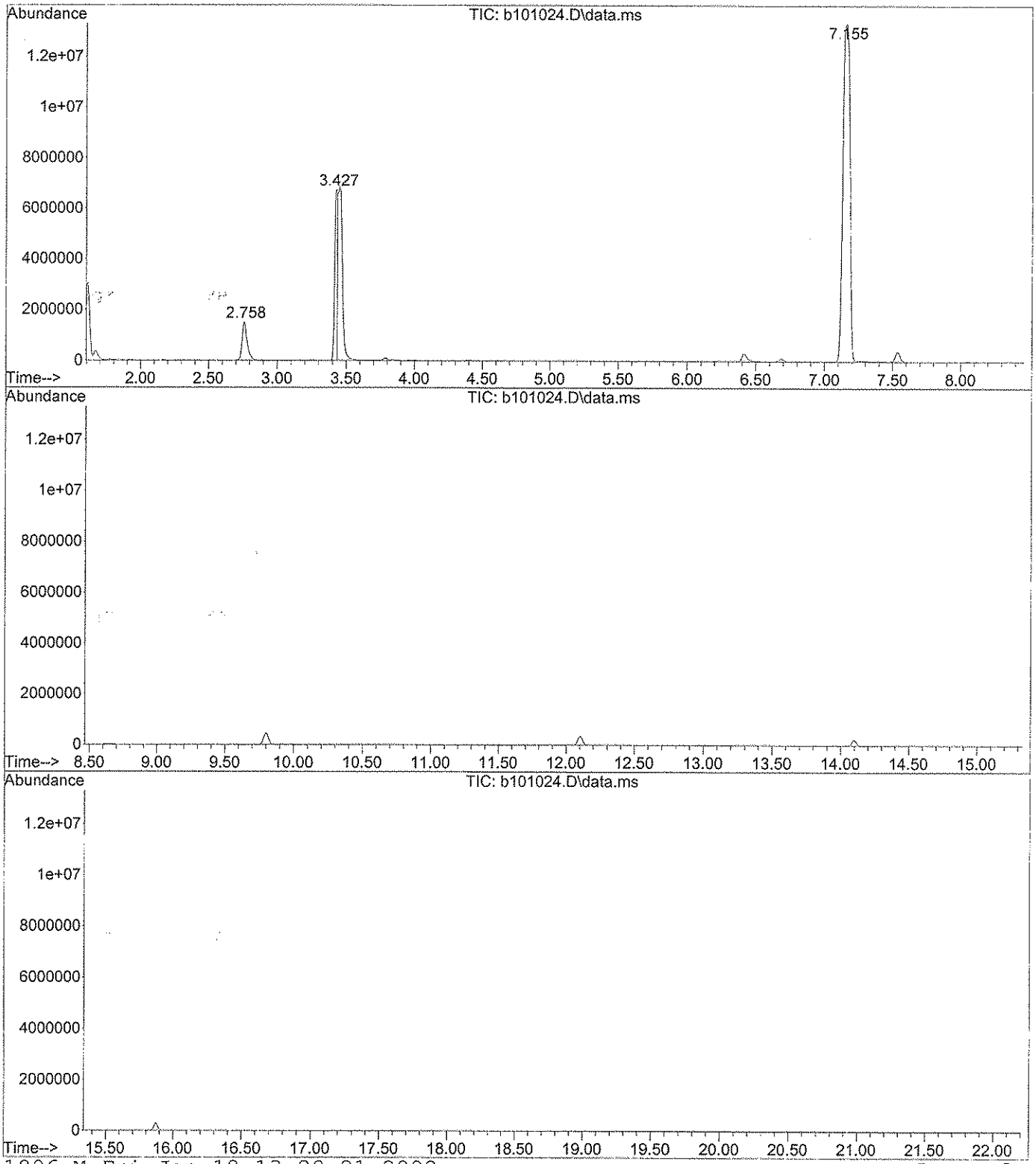
Sum of corrected areas: 60763928

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101007\
Data File : b101024.D
Acq On : 10 Oct 2007 6:51 pm
Operator : BR
Sample : ,SAMP,ME0710172-06A,1,
Misc : 8260+_W25
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Data Path : D:\msdchem\1\data\b101007\
Data File : b101024.D
Acq On : 10 Oct 2007 6:51 pm
Operator : BR
Sample : ,SAMP,ME0710172-06A,1,
Misc : 8260+_W25
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

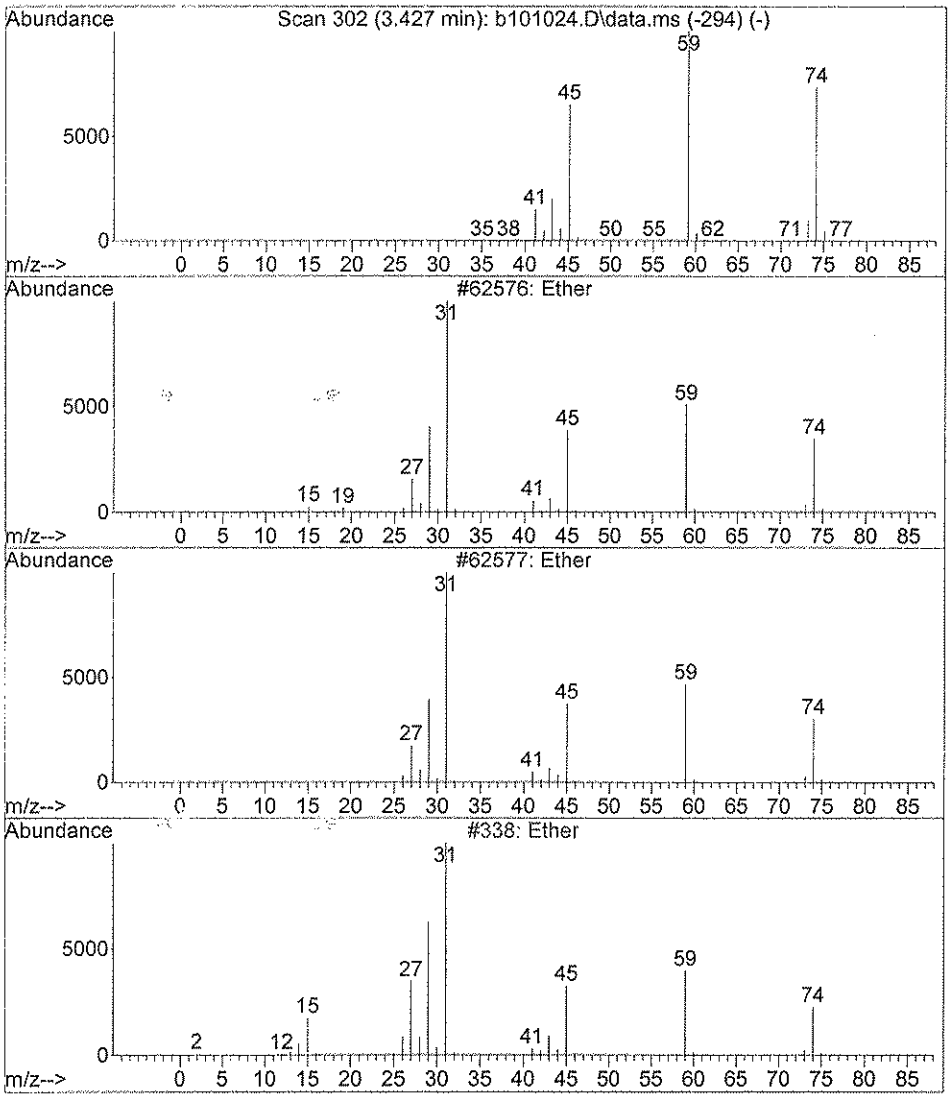
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

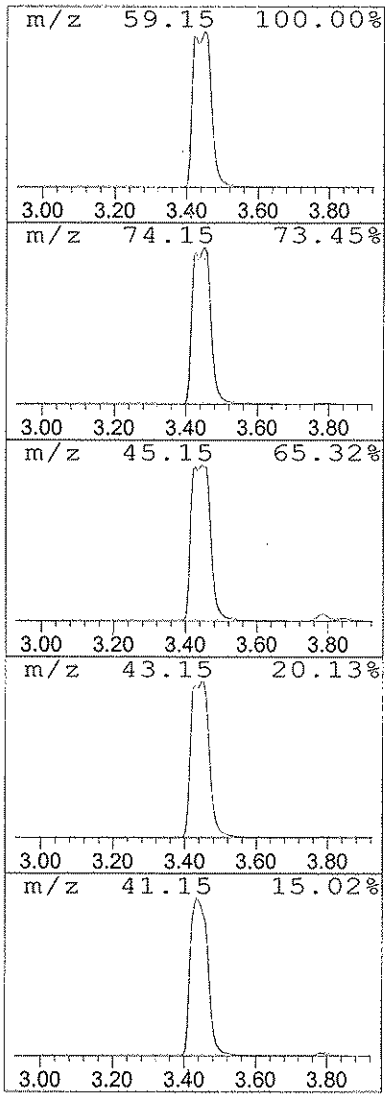
****

Peak Number 1 Ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.427	1.99 ug/L	9447380	fluorobenzene	7.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ether	74	C4H10O	000060-29-7	90
2	Ether	74	C4H10O	000060-29-7	90
3	Ether	74	C4H10O	000060-29-7	72
4	Ether	74	C4H10O	000060-29-7	59
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	40





Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101007\
Data File : b101025.D
Acq On : 10 Oct 2007 7:23 pm
Operator : BR
Sample : ,SAMP,ME0710172-07A,1,
Misc : 8260+_W25
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ether	3.427	2.1	ug/L	9783410	1	7.538	47343000	10.0

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101025.D
Acq On : 10 Oct 2007 7:23 pm
Operator : BR
Sample : ,SAMP,ME0710172-07A,1,
Misc : 8260+_W25
ALS Vial : 25 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 3 % of largest Peak
Max Peaks: 100
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101025.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.758	181	192	218	rBV	1485915	3834110	8.10%	6.289%
2	3.427	294	302	303	rBV	6771336	9783411	20.66%	16.049%
3	7.155	899	915	933	rBV	13371204	47342973	100.00%	77.662%

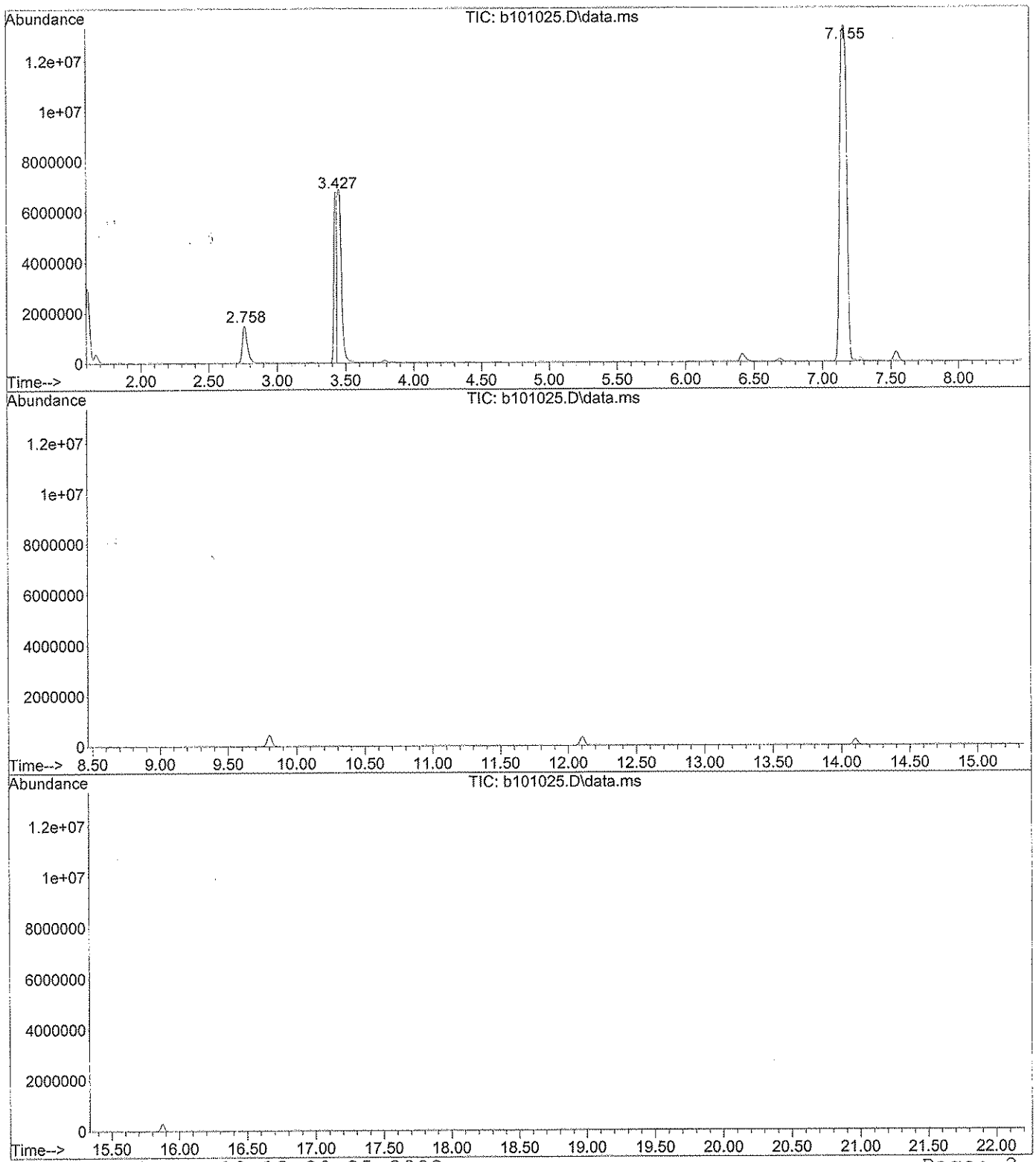
Sum of corrected areas: 60960494

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101007\
Data File : b101025.D
Acq On : 10 Oct 2007 7:23 pm
Operator : BR
Sample : ,SAMP,ME0710172-07A,1,
Misc : 8260+_W25
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101025.D
Acq On : 10 Oct 2007 7:23 pm
Operator : BR
Sample : ,SAMP,ME0710172-07A,1,
Misc : 8260+_W25
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

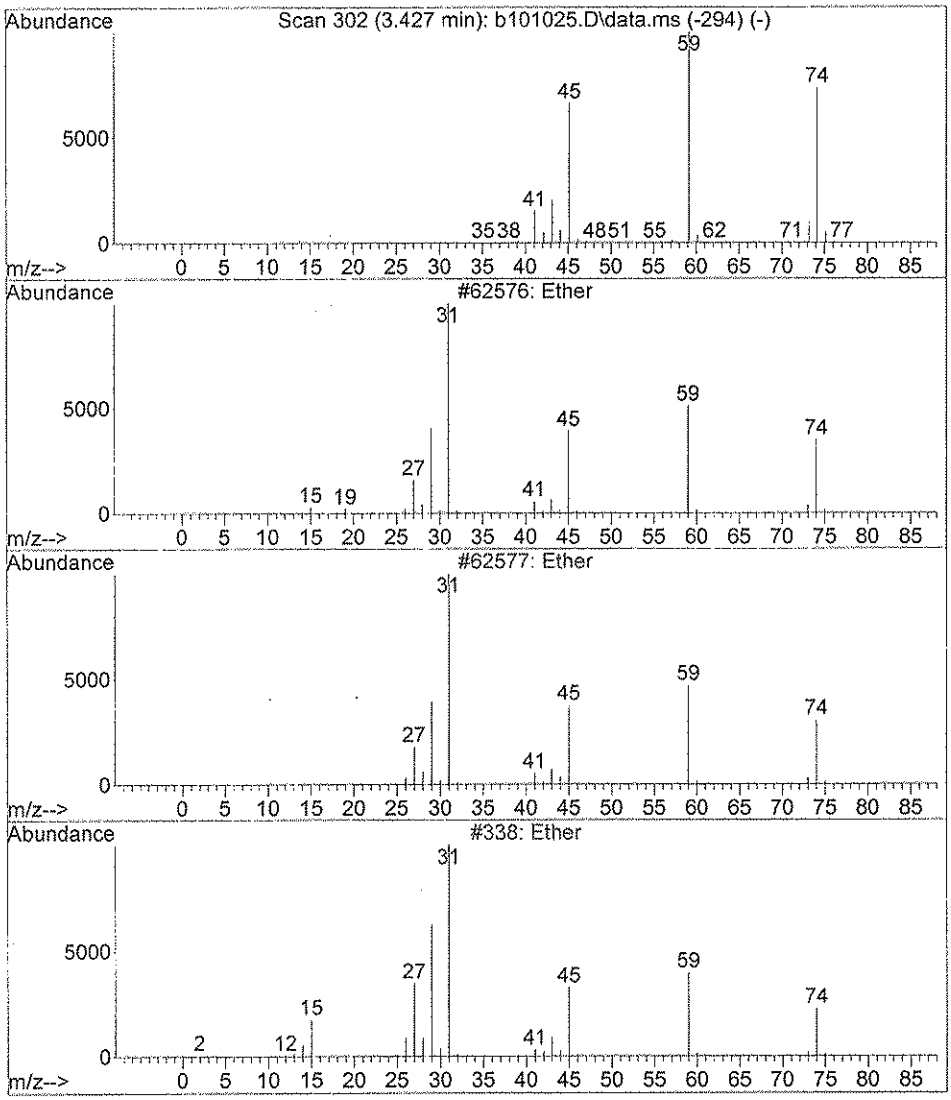
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

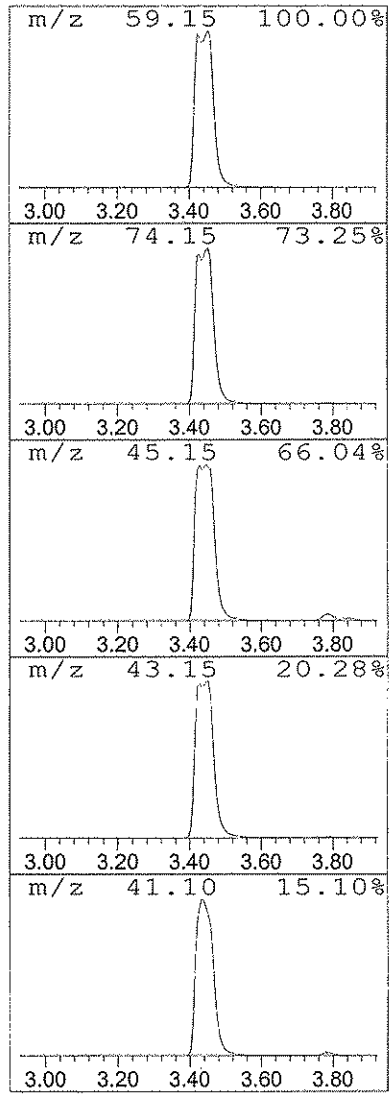
****

Peak Number 1 Ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.427	2.07 ug/L	9783410	fluorobenzene	7.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ether	74	C4H10O	000060-29-7	90
2	Ether	74	C4H10O	000060-29-7	90
3	Ether	74	C4H10O	000060-29-7	72
4	Ether	74	C4H10O	000060-29-7	59
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	43





Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101007\\
Data File : b101026.D
Acq On : 10 Oct 2007 7:55 pmm
Operator : BRR
Sample : ,SAMP,ME0710172-08A,1,,
Misc : 8260+_W255
ALS Vial : 26 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101026.D
Acq On : 10 Oct 2007 7:55 pm
Operator : BR
Sample : ,SAMP,ME0710172-08A,1,
Misc : 8260+_W25
ALS Vial : 26 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101026.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.455	300	307	320	rVB	32810	69191	6.54%	1.561%
2	6.684	826	838	850	rBV	105659	271422	25.64%	6.124%
3	7.134	901	912	931	rBV2	92907	254179	24.01%	5.735%
4	7.542	965	979	999	rBV	349886	878375	82.98%	19.820%
5	9.804	1338	1351	1365	rBV	420662	1058510	100.00%	23.885%
6	12.103	1717	1729	1745	rBV	323914	822001	77.66%	18.548%
7	14.097	2047	2057	2074	rVB	212610	511236	48.30%	11.536%
8	15.873	2338	2349	2361	rBV	271114	566867	53.55%	12.791%

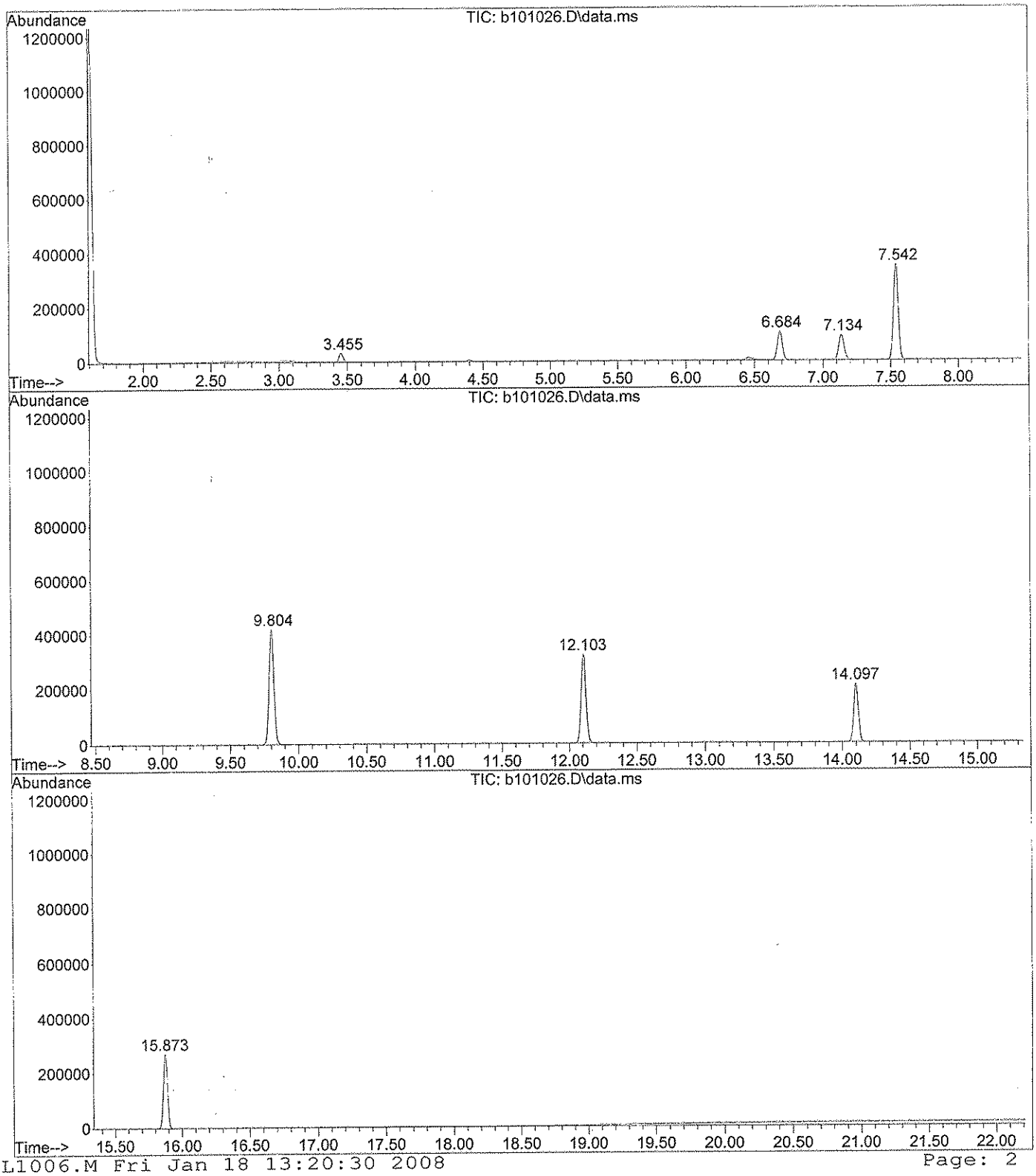
Sum of corrected areas: 4431781

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101007\
Data File : b101026.D
Acq On : 10 Oct 2007 7:55 pm
Operator : BR
Sample : ,SAMP,ME0710172-08A,1,
Misc : 8260+_W25
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101007\\
Data File : b101027.D
Acq On : 10 Oct 2007 8:27 pmm
Operator : BRR
Sample : ,SAMP,ME0710172-09A,1,,
Misc : 8260+_W255
ALS Vial : 27 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101027.D
Acq On : 10 Oct 2007 8:27 pm
Operator : BR
Sample : ,SAMP,ME0710172-09A,1,
Misc : 8260+_W25
ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101027.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.683	826	838	852	rVB2	106916	271269	25.70%	6.306%
2	7.133	901	912	923	rBV	86914	217797	20.63%	5.063%
3	7.540	967	979	998	rBV	354863	869354	82.35%	20.210%
4	9.803	1336	1351	1364	rBV	428488	1055688	100.00%	24.541%
5	12.101	1719	1729	1747	rBV	323153	815923	77.29%	18.968%
6	14.102	2047	2058	2071	rVB	212803	509756	48.29%	11.850%
7	15.878	2339	2350	2363	rBV	271043	561892	53.23%	13.062%

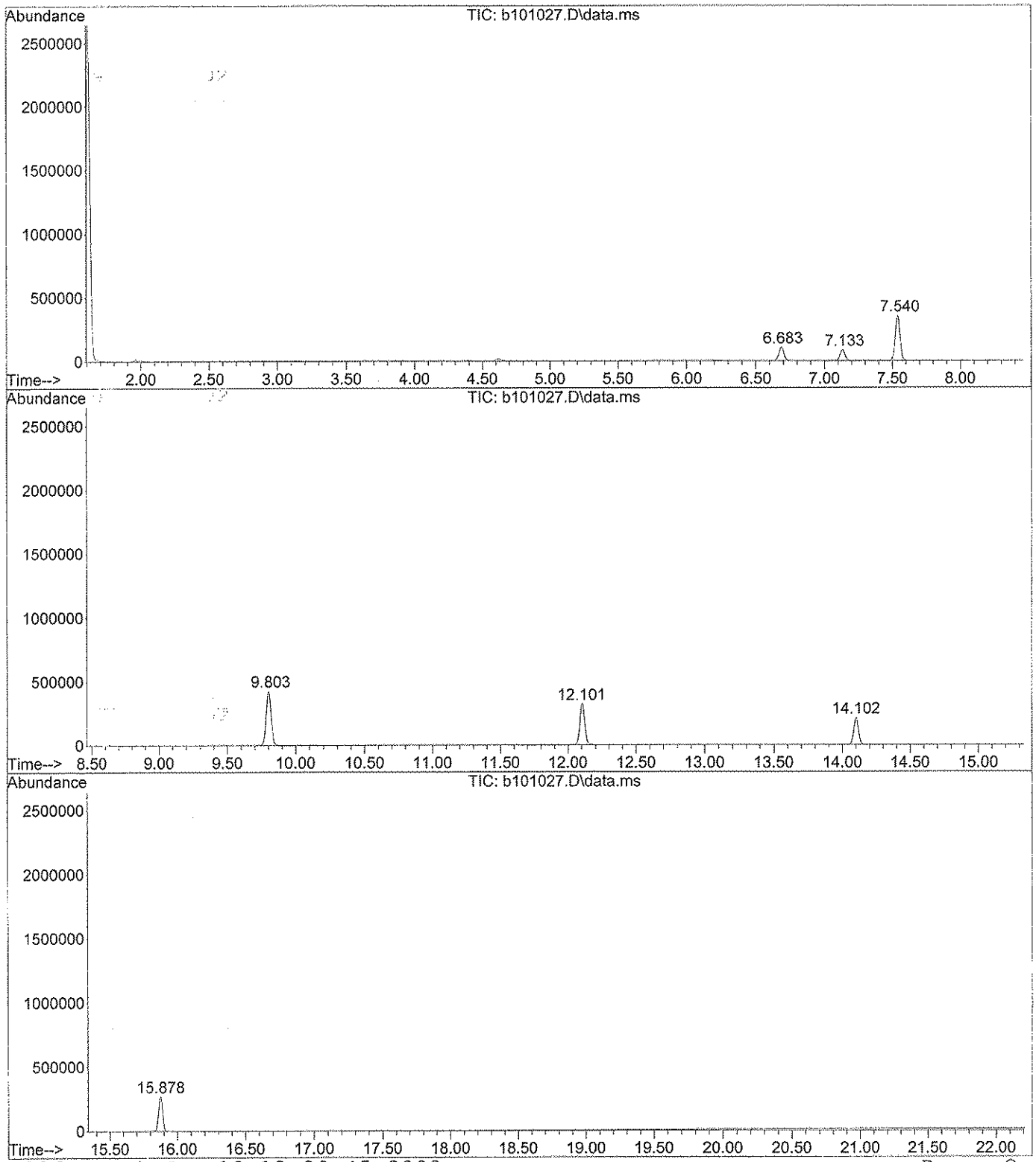
Sum of corrected areas: 4301679

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101007\
Data File : b101027.D
Acq On : 10 Oct 2007 8:27 pm
Operator : BR
Sample : ,SAMP,ME0710172-09A,1,
Misc : 8260+_W25
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101007\\
Data File : b101028.D
Acq On : 10 Oct 2007 8:59 pmm
Operator : BRR
Sample : ,SAMP,ME0710172-10A,1,,
Misc : 8260+_W255
ALS Vial : 28 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101028.D
Acq On : 10 Oct 2007 8:59 pm
Operator : BR
Sample : ,SAMP,ME0710172-10A,1,
Misc : 8260+_W25
ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101028.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	487	498	516	rBV3	20481	65790	6.28%	1.510%
2	6.690	824	839	854	rBV	108334	272385	26.00%	6.253%
3	7.133	901	912	930	rBV	87956	224846	21.46%	5.162%
4	7.541	965	979	993	rBV	349275	863163	82.39%	19.815%
5	9.803	1339	1351	1363	rBV	421943	1047655	100.00%	24.050%
6	12.108	1718	1730	1746	rVB	323130	812257	77.53%	18.646%
7	14.103	2044	2058	2070	rBV	203416	504284	48.13%	11.576%
8	15.872	2340	2349	2360	rVB	276070	565784	54.00%	12.988%

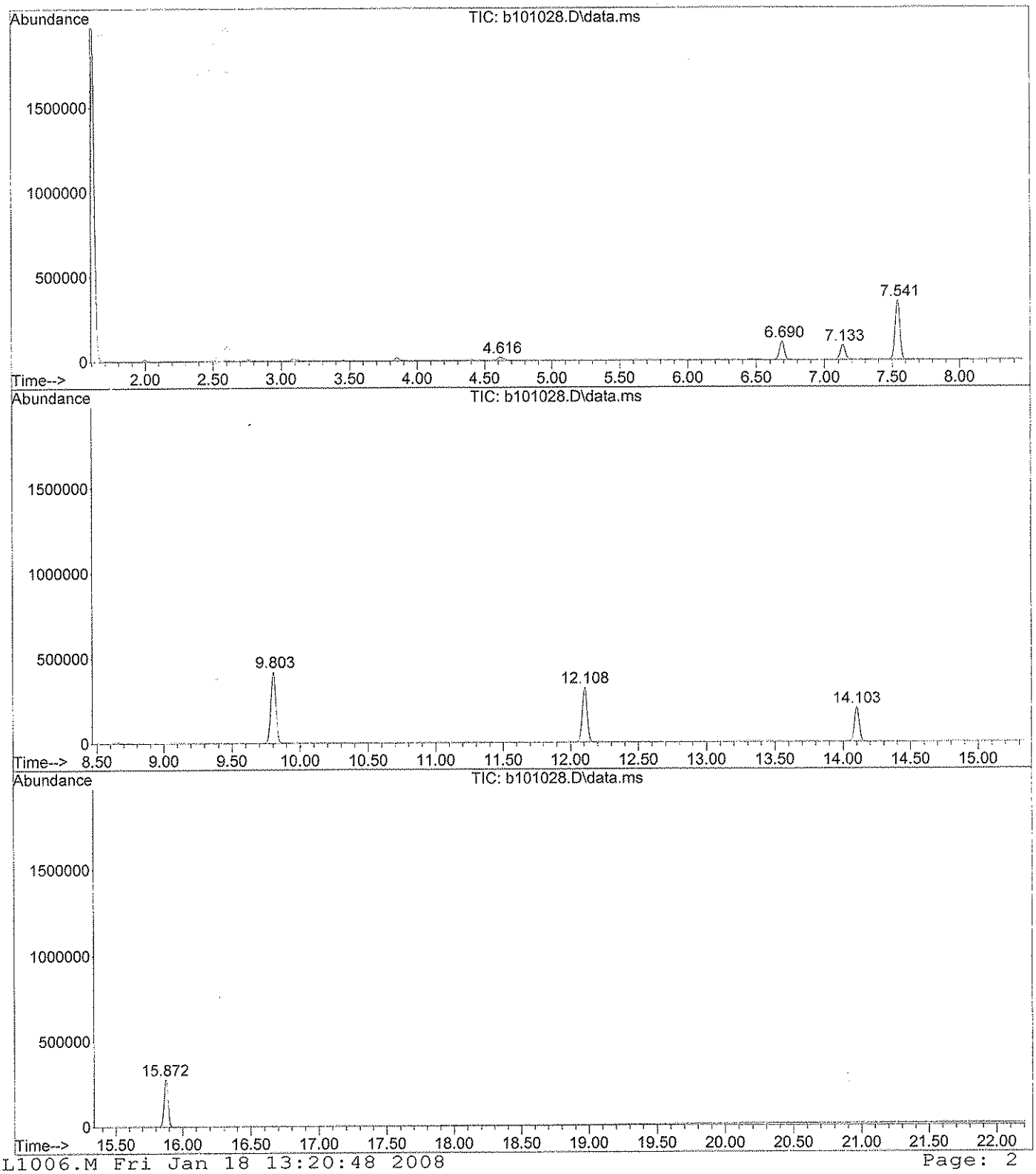
Sum of corrected areas: 4356164

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101007\
Data File : b101028.D
Acq On : 10 Oct 2007 8:59 pm
Operator : BR
Sample : ,SAMP,ME0710172-10A,1,
Misc : 8260+_W25
ALS Vial : 28 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101107\\
Data File : b101108.D
Acq On : 11 Oct 2007 10:57 amm
Operator : NLTT
Sample : ,SAMP,ME0710172-11A,1,,
Misc : 8260+_W255
ALS Vial : 8 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard-- #	RT	Resp	Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101108.D
Acq On : 11 Oct 2007 10:57 am
Operator : NLT
Sample : ,SAMP,ME0710172-11A,1,
Misc : 8260+_W25
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101108.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.683	828	838	855	rVB	110321	276135	24.96%	6.255%
2	7.133	902	912	926	rBV2	87032	217490	19.66%	4.927%
3	7.541	968	979	997	rBV	363547	895580	80.95%	20.286%
4	9.803	1339	1351	1363	rBV	445166	1106351	100.00%	25.061%
5	12.102	1717	1729	1747	rVB	320866	829994	75.02%	18.801%
6	14.102	2046	2058	2072	rVB	219737	535942	48.44%	12.140%
7	15.878	2340	2350	2361	rVB	268272	553183	50.00%	12.531%

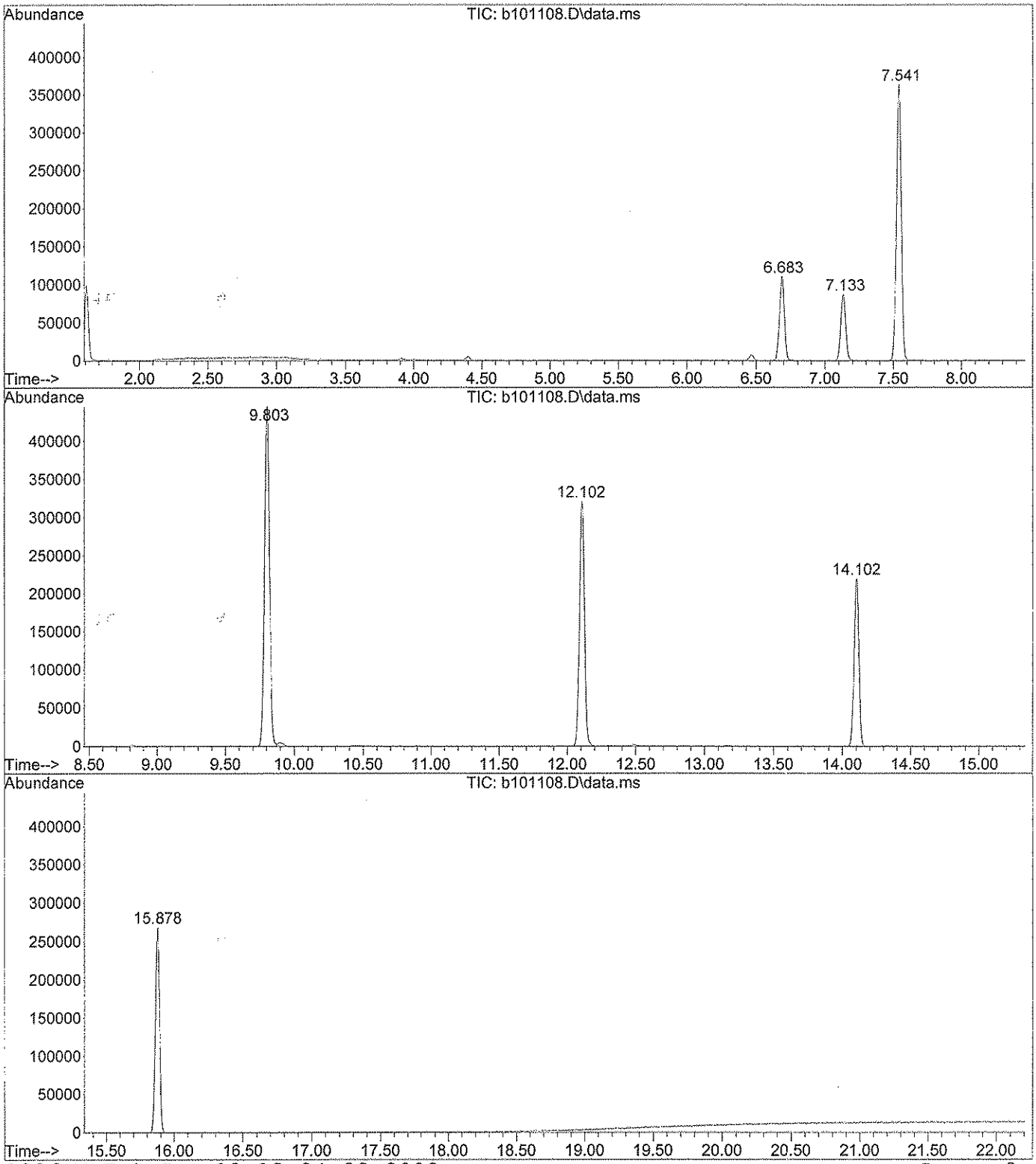
Sum of corrected areas: 4414675

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101107\
Data File : b101108.D
Acq On : 11 Oct 2007 10:57 am
Operator : NLT
Sample : ,SAMP,ME0710172-11A,1,
Misc : 8260+_W25
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



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LEVEL IV
QA/QC DATA PACKAGE

CLIENT:	MWH, Inc.
PROJECT:	GW - SemiAnnual / ACS
LAB WORKORDER:	ME0710258
DATE PACKAGE ISSUED:	11/13/07

TABLE OF CONTENTS

CLIENT: **MWH, Inc.**

PROJECT: **GW - SemiAnnual / ACS**

LAB WORKORDER: **ME0710258**

CHAIN-OF-CUSTODY: **79338 / 79339**

CONTENTS:	Page		Page
Table of Contents	2	to	2
Case Narrative(s)	3	to	4
Analytical Report	5	to	43
Cooler Inspection	44	to	45
Chain(s) of Custody	46	to	47
Quality Control Summary	48	to	62
VOA GC/MS:			
Method Blank Raw Data	63	to	70
Laboratory Control Sample Raw Data	71	to	79
Matrix Spike/Matrix Spike Duplicate Raw Data	80	to	101
Tune Raw Data	102	to	105
Initial Calibration Raw Data	106	to	129
Continuing Calibration Raw Data	130	to	145
Sample Raw Data	146	to	190
Injection Log(s)	191	to	193

Case Narrative
VOA Analysis

Client: MWH, Inc.

Project: GW - SemiAnnual / ACS

Laboratory #: ME0710258

Eighteen groundwater samples were received on 10/04/07 for analysis and reporting in accordance with our Level IV protocol. The samples were received in acceptable physical condition. The samples were analyzed for Volatile Organic Analytes using SW-846 Method 8260B. To achieve lower reporting limits these samples were analyzed using a 25-ml sample size.

The samples were collected on 10/03/07 and 10/04/07. The samples were analyzed on 10/11/07 and 10/12/07. All samples were analyzed within the prescribed maximum allowable holding time without exception.

The required instrument calibration was performed and the acceptance criteria met with the following listed exception. The grand mean average approach was used to assess linearity.

- Bromoform failed to meet the minimum average response criteria. This criterion is based on a 5-ml sample size. These standards were analyzed using a 25-ml purge volume. This data is typical for a 25-ml purge and considered acceptable.

Prior to analysis, the resultant mass spectra for BFB met all method criteria, and all samples were analyzed within 12-hour analytical sequences.

Prior to analysis, a CCV standard was analyzed and the acceptance criteria met for all CCCs and SPCCs with the following exceptions.

- Bromoform failed to meet the minimum response criteria in B101103, B101121, and B101204. This criterion is based on a 5-ml sample size. These standards were analyzed using a 25-ml purge volume. This data is typical for a 25-ml purge and considered acceptable.

The batch quality control tests were performed and the acceptance criteria met without exception.

Surrogate compounds are spiked into each sample to evaluate analysis efficiency. All samples yielded acceptable surrogate recovery.

Internal standards are spiked into each CCV standard and environmental sample. All internal standard responses met the criteria established for the CCVs. The internal standard responses in the environmental samples were evaluated and deemed adequate.

Case Narrative
VOA Analysis

Client: MWH, Inc.

Project: GW - SemiAnnual / ACS

Laboratory #: ME0710258

Matrix evaluation was performed on the following client-submitted samples. The accuracy and precision criteria were met as noted.

SAMPLE ID	QC TYPE	EVALUATION
ACS-GW-MW29-30	MS/MSD	Accuracy and precision criteria met without exception.
ACS-GW-DUP03-30	MS/MSD	Accuracy and precision criteria met without exception.

This Case Narrative was prepared by Allyl McCarron, QC Assistant.

Revised
11/05/07

November 05, 2007

Christopher Daly
MWH, Inc.
175 West Jackson Boulevard, Suite 1900
Chicago, IL 60604

Work Order No.: ME0710258

RE: GW - SemiAnnual / ACS

Dear Christopher Daly:

Microbac Laboratories, Inc. received 18 samples on 10/4/2007 4:05:00 PM for the analyses presented in the following report.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,
Microbac Laboratories, Inc.

Ronald J. Misiunas
Client Services Manager

Enclosures

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Revised
11/05/07

WORK ORDER SAMPLE SUMMARY

Date: *Monday, November 05, 2007*

CLIENT: MWH, Inc.
Project: GW - SemiAnnual / ACS
Lab Order: ME0710258

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
ME0710258-01A	ACS-GW-TB03-30		10/3/2007 7:30:00 AM	10/4/2007
ME0710258-02A	ACS-GW-MW31-30		10/3/2007 8:20:00 AM	10/4/2007
ME0710258-03A	ACS-GW-MW32-30		10/3/2007 8:25:00 AM	10/4/2007
ME0710258-04A	ACS-GW-MW23-30		10/3/2007 9:55:00 AM	10/4/2007
ME0710258-05A	ACS-GW-DUP03-30		10/3/2007 9:00:00 AM	10/4/2007
ME0710258-06A	ACS-GW-MW14-30		10/3/2007 10:30:00 AM	10/4/2007
ME0710258-07A	ACS-GW-MW09R-30		10/3/2007 10:50:00 AM	10/4/2007
ME0710258-08A	ACS-GW-MW30-30		10/3/2007 11:35:00 AM	10/4/2007
ME0710258-09A	ACS-GW-MW29-30		10/3/2007 11:55:00 AM	10/4/2007
ME0710258-10A	ACS-GW-MW33-30		10/3/2007 2:40:00 PM	10/4/2007
ME0710258-11A	ACS-GW-MW51-30		10/3/2007 3:05:00 PM	10/4/2007
ME0710258-12A	ACS-GW-MW52-30		10/3/2007 3:45:00 PM	10/4/2007
ME0710258-13A	ACS-GW-MW53-30		10/3/2007 4:05:00 PM	10/4/2007
ME0710258-14A	ACS-GW-EB03-30		10/3/2007 4:20:00 PM	10/4/2007
ME0710258-15A	ACS-GW-MW15-30		10/4/2007 8:20:00 AM	10/4/2007
ME0710258-16A	ACS-GW-MW06-30		10/4/2007 8:45:00 AM	10/4/2007
ME0710258-17A	ACS-GW-MW48-30		10/4/2007 9:45:00 AM	10/4/2007
ME0710258-18A	ACS-GW-MW49-30		10/4/2007 10:05:00 AM	10/4/2007

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Revised
11/05/07

ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-TB03-30	**Work Order / ID:**	ME0710258-01
Sample Description:		**Collection Date:**	10/03/07 07:30
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/11/07 13:38
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 13:38
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/11/07 13:38
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 13:38
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/11/07 13:38
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/11/07 13:38
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 13:38
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 13:38
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 13:38
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/11/07 13:38
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 13:38
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/11/07 13:38
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 13:38
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 13:38
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 13:38
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 13:38
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 13:38
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 13:38
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 13:38
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 13:38
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 13:38
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 13:38
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/11/07 13:38
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/11/07 13:38
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/11/07 13:38
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 13:38
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 13:38
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 13:38
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 13:38
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 13:38
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 13:38
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 13:38
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 13:38
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 13:38
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 13:38
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 13:38
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 13:38
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 13:38
Surr: 4-Bromofluorobenzene	S	94.2	0	74.3-123		%REC	1	10/11/07 13:38

250 West 84th Drive, Merrillville, IN 46410 TEL.800.536.8379 TEL.219.769.8378 FAX.219.769.1664

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Revised
11/05/07

ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-TB03-30	**Work Order / ID:**	ME0710258-01
Sample Description:		**Collection Date:**	10/03/07 07:30
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	107	0	84.9-118		%REC	1	10/11/07 13:38
Surr: 1,2-Dichloroethane-d4	S	109	0	77.9-126		%REC	1	10/11/07 13:38
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	10/11/07 13:38

250 West 84th Drive, Merrillville, IN 46410 TEL.800.536.8379 TEL.219.769.8378 FAX.219.769.1664

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Revised
11/05/07

ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW31-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-02
Collection Date: 10/03/07 08:20
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/11/07 14:10
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 14:10
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/11/07 14:10
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 14:10
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/11/07 14:10
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/11/07 14:10
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 14:10
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 14:10
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 14:10
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/11/07 14:10
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 14:10
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/11/07 14:10
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 14:10
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 14:10
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 14:10
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 14:10
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 14:10
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 14:10
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 14:10
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 14:10
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 14:10
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 14:10
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/11/07 14:10
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/11/07 14:10
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/11/07 14:10
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 14:10
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 14:10
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 14:10
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 14:10
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 14:10
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 14:10
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 14:10
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 14:10
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 14:10
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 14:10
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 14:10
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 14:10
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 14:10
Surr: 4-Bromofluorobenzene	S	90.9	0	74.3-123		%REC	1	10/11/07 14:10

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW31-30	**Work Order / ID:**	ME0710258-02
Sample Description:		**Collection Date:**	10/03/07 08:20
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	107	0	84.9-118		%REC	1	10/11/07 14:10
Surr: 1,2-Dichloroethane-d4	S	109	0	77.9-126		%REC	1	10/11/07 14:10
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	10/11/07 14:10

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW32-30	**Work Order / ID:**	ME0710258-03
Sample Description:		**Collection Date:**	10/03/07 08:25
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/11/07 14:42
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 14:42
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/11/07 14:42
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 14:42
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/11/07 14:42
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/11/07 14:42
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 14:42
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 14:42
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 14:42
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/11/07 14:42
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 14:42
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/11/07 14:42
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 14:42
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 14:42
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 14:42
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 14:42
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 14:42
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 14:42
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 14:42
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 14:42
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 14:42
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 14:42
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/11/07 14:42
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/11/07 14:42
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/11/07 14:42
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 14:42
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 14:42
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 14:42
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 14:42
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 14:42
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 14:42
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 14:42
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 14:42
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 14:42
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 14:42
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 14:42
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 14:42
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 14:42
Surr: 4-Bromofluorobenzene	S	91.9	0	74.3-123		%REC	1	10/11/07 14:42

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW32-30	**Work Order / ID:**	ME0710258-03
Sample Description:		**Collection Date:**	10/03/07 08:25
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	106	0	84.9-118		%REC	1	10/11/07 14:42
Surr: 1,2-Dichloroethane-d4	S	108	0	77.9-126		%REC	1	10/11/07 14:42
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	10/11/07 14:42

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW23-30	**Work Order / ID:**	ME0710258-04
Sample Description:		**Collection Date:**	10/03/07 09:55
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/11/07 15:14
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 15:14
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/11/07 15:14
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 15:14
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/11/07 15:14
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/11/07 15:14
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 15:14
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 15:14
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 15:14
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/11/07 15:14
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 15:14
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/11/07 15:14
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 15:14
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 15:14
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 15:14
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 15:14
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 15:14
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 15:14
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 15:14
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 15:14
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 15:14
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 15:14
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/11/07 15:14
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/11/07 15:14
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/11/07 15:14
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 15:14
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 15:14
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 15:14
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 15:14
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 15:14
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 15:14
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 15:14
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 15:14
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 15:14
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 15:14
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 15:14
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 15:14
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 15:14
Surr: 4-Bromofluorobenzene	S	90.8	0	74.3-123		%REC	1	10/11/07 15:14

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW23-30	**Work Order / ID:**	ME0710258-04
Sample Description:		**Collection Date:**	10/03/07 09:55
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	108	0	84.9-118		%REC	1	10/11/07 15:14
Surr: 1,2-Dichloroethane-d4	S	110	0	77.9-126		%REC	1	10/11/07 15:14
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	10/11/07 15:14

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-DUP03-30	**Work Order / ID:**	ME0710258-05
Sample Description:		**Collection Date:**	10/03/07 09:00
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:			Analyst:	**NLT**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/11/07 15:46
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 15:46
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/11/07 15:46
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 15:46
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/11/07 15:46
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/11/07 15:46
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 15:46
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 15:46
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 15:46
Chloroethane	A	***0.050***	0.0040	0.050		mg/L	5	10/11/07 20:20
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 15:46
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/11/07 15:46
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 15:46
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 15:46
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 15:46
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 15:46
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 15:46
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 15:46
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 15:46
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 15:46
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 15:46
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 15:46
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/11/07 15:46
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/11/07 15:46
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/11/07 15:46
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 15:46
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 15:46
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 15:46
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 15:46
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 15:46
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 15:46
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 15:46
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 15:46
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 15:46
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 15:46
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 15:46
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 15:46
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 15:46
Surr: 4-Bromofluorobenzene	S	90.2	0	74.3-123		%REC	1	10/11/07 15:46

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-DUP03-30	**Work Order / ID:**	ME0710258-05
Sample Description:		**Collection Date:**	10/03/07 09:00
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	107	0	84.9-118		%REC	1	10/11/07 15:46
Surr: 1,2-Dichloroethane-d4	S	110	0	77.9-126		%REC	1	10/11/07 15:46
Surr: Toluene-d8	S	103	0	80.8-118		%REC	1	10/11/07 15:46

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW14-30	**Work Order / ID:**	ME0710258-06
Sample Description:		**Collection Date:**	10/03/07 10:30
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/11/07 21:56
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 21:56
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/11/07 21:56
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 21:56
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/11/07 21:56
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/11/07 21:56
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 21:56
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 21:56
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 21:56
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/11/07 21:56
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 21:56
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/11/07 21:56
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 21:56
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 21:56
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 21:56
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 21:56
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 21:56
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 21:56
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 21:56
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 21:56
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 21:56
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 21:56
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/11/07 21:56
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/11/07 21:56
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/11/07 21:56
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 21:56
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 21:56
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 21:56
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 21:56
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 21:56
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 21:56
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 21:56
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 21:56
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 21:56
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 21:56
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 21:56
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 21:56
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 21:56
Surr: 4-Bromofluorobenzene	S	92.6	0	74.3-123		%REC	1	10/11/07 21:56

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW14-30	**Work Order / ID:**	ME0710258-06
Sample Description:		**Collection Date:**	10/03/07 10:30
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	105	0	84.9-118		%REC	1	10/11/07 21:56
Surr: 1,2-Dichloroethane-d4	S	108	0	77.9-126		%REC	1	10/11/07 21:56
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	10/11/07 21:56

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW09R-30	**Work Order / ID:**	ME0710258-07
Sample Description:		**Collection Date:**	10/03/07 10:50
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **JLN**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/11/07 22:28
Benzene	A	***0.0049***	0.00030	0.0050	J	mg/L	1	10/11/07 22:28
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/11/07 22:28
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 22:28
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/11/07 22:28
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/11/07 22:28
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 22:28
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 22:28
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 22:28
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/11/07 22:28
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 22:28
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/11/07 22:28
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 22:28
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 22:28
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 22:28
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 22:28
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 22:28
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 22:28
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 22:28
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 22:28
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 22:28
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 22:28
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/11/07 22:28
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/11/07 22:28
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/11/07 22:28
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 22:28
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 22:28
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 22:28
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 22:28
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 22:28
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 22:28
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 22:28
Vinyl chloride	A	***0.00048***	0.00040	0.010	J	mg/L	1	10/11/07 22:28
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 22:28
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 22:28
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 22:28
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 22:28
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 22:28
Surr: 4-Bromofluorobenzene	S	92.1	0	74.3-123		%REC	1	10/11/07 22:28

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW09R-30	**Work Order / ID:**	ME0710258-07
Sample Description:		**Collection Date:**	10/03/07 10:50
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	103	0	84.9-118		%REC	1	10/11/07 22:28
Surr: 1,2-Dichloroethane-d4	S	104	0	77.9-126		%REC	1	10/11/07 22:28
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	10/11/07 22:28

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW30-30	**Work Order / ID:**	ME0710258-08
Sample Description:		**Collection Date:**	10/03/07 11:35
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/11/07 23:00
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:00
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/11/07 23:00
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 23:00
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/11/07 23:00
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/11/07 23:00
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 23:00
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:00
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 23:00
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/11/07 23:00
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 23:00
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/11/07 23:00
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 23:00
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:00
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 23:00
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 23:00
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 23:00
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 23:00
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:00
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 23:00
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:00
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 23:00
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/11/07 23:00
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/11/07 23:00
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/11/07 23:00
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 23:00
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 23:00
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 23:00
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:00
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:00
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 23:00
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:00
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 23:00
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:00
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:00
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 23:00
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 23:00
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 23:00
Surr: 4-Bromofluorobenzene	S	91.9	0	74.3-123		%REC	1	10/11/07 23:00

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW30-30	**Work Order / ID:**	ME0710258-08
Sample Description:		**Collection Date:**	10/03/07 11:35
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	106	0	84.9-118		%REC	1	10/11/07 23:00
Surr: 1,2-Dichloroethane-d4	S	108	0	77.9-126		%REC	1	10/11/07 23:00
Surr: Toluene-d8	S	103	0	80.8-118		%REC	1	10/11/07 23:00

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW29-30	**Work Order / ID:**	ME0710258-09
Sample Description:		**Collection Date:**	10/03/07 11:55
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:			Analyst:	**JLN**
Acetone	A	***0.0024***	0.0020	0.050	J	mg/L	1	10/11/07 23:32
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:32
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/11/07 23:32
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 23:32
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/11/07 23:32
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/11/07 23:32
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 23:32
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:32
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 23:32
Chloroethane	A	***0.069***	0.0040	0.050		mg/L	5	10/12/07 11:08
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 23:32
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/11/07 23:32
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 23:32
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:32
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 23:32
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 23:32
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 23:32
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 23:32
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:32
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 23:32
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:32
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 23:32
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/11/07 23:32
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/11/07 23:32
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/11/07 23:32
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 23:32
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 23:32
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 23:32
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:32
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:32
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 23:32
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:32
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 23:32
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:32
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:32
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 23:32
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 23:32
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 23:32
Surr: 4-Bromofluorobenzene	S	92.9	0	74.3-123		%REC	1	10/11/07 23:32

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11/05/07

ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW29-30	**Work Order / ID:**	ME0710258-09
Sample Description:		**Collection Date:**	10/03/07 11:55
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	105	0	84.9-118		%REC	1	10/11/07 23:32
Surr: 1,2-Dichloroethane-d4	S	108	0	77.9-126		%REC	1	10/11/07 23:32
Surr: Toluene-d8	S	103	0	80.8-118		%REC	1	10/11/07 23:32

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW33-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-10
Collection Date: 10/03/07 14:40
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **JLN**
Acetone	A	***0.0036***	0.0020	0.050	J	mg/L	1	10/12/07 00:04
Benzene	A	***0.0017***	0.00030	0.0050	J	mg/L	1	10/12/07 00:04
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/12/07 00:04
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 00:04
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/12/07 00:04
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/12/07 00:04
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 00:04
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:04
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 00:04
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/12/07 00:04
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 00:04
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/12/07 00:04
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 00:04
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:04
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 00:04
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 00:04
cis-1,2-Dichloroethene	A	***0.0028***	0.00040	0.0050	J	mg/L	1	10/12/07 00:04
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 00:04
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:04
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 00:04
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:04
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 00:04
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/12/07 00:04
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/12/07 00:04
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/12/07 00:04
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 00:04
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 00:04
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 00:04
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:04
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:04
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 00:04
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:04
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 00:04
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:04
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:04
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 00:04
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 00:04
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 00:04
Surr: 4-Bromofluorobenzene	S	92.2	0	74.3-123		%REC	1	10/12/07 00:04

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW33-30	**Work Order / ID:**	ME0710258-10
Sample Description:		**Collection Date:**	10/03/07 14:40
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	108	0	84.9-118		%REC	1	10/12/07 00:04
Surr: 1,2-Dichloroethane-d4	S	107	0	77.9-126		%REC	1	10/12/07 00:04
Surr: Toluene-d8	S	103	0	80.8-118		%REC	1	10/12/07 00:04

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW51-30	**Work Order / ID:**	ME0710258-11
Sample Description:		**Collection Date:**	10/03/07 15:05
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/12/07 00:36
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:36
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/12/07 00:36
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 00:36
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/12/07 00:36
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/12/07 00:36
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 00:36
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:36
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 00:36
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/12/07 00:36
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 00:36
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/12/07 00:36
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 00:36
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:36
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 00:36
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 00:36
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 00:36
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 00:36
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:36
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 00:36
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:36
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 00:36
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/12/07 00:36
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/12/07 00:36
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/12/07 00:36
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 00:36
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 00:36
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 00:36
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:36
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:36
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 00:36
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:36
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 00:36
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:36
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:36
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 00:36
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 00:36
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 00:36
Surr: 4-Bromofluorobenzene	S	89.9	0	74.3-123		%REC	1	10/12/07 00:36

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW51-30	**Work Order / ID:**	ME0710258-11
Sample Description:		**Collection Date:**	10/03/07 15:05
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	105	0	84.9-118		%REC	1	10/12/07 00:36
Surr: 1,2-Dichloroethane-d4	S	108	0	77.9-126		%REC	1	10/12/07 00:36
Surr: Toluene-d8	S	104	0	80.8-118		%REC	1	10/12/07 00:36

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW52-30	**Work Order / ID:**	ME0710258-12
Sample Description:		**Collection Date:**	10/03/07 15:45
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/12/07 01:08
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:08
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/12/07 01:08
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 01:08
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/12/07 01:08
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/12/07 01:08
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 01:08
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:08
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 01:08
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/12/07 01:08
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 01:08
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/12/07 01:08
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 01:08
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:08
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 01:08
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 01:08
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 01:08
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 01:08
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:08
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 01:08
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:08
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 01:08
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/12/07 01:08
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/12/07 01:08
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/12/07 01:08
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 01:08
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 01:08
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 01:08
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:08
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:08
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 01:08
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:08
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 01:08
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:08
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:08
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 01:08
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 01:08
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 01:08
Surr: 4-Bromofluorobenzene	S	90.3	0	74.3-123		%REC	1	10/12/07 01:08

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW52-30	**Work Order / ID:**	ME0710258-12
Sample Description:		**Collection Date:**	10/03/07 15:45
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	104	0	84.9-118		%REC	1	10/12/07 01:08
Surr: 1,2-Dichloroethane-d4	S	107	0	77.9-126		%REC	1	10/12/07 01:08
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	10/12/07 01:08

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW53-30	**Work Order / ID:**	ME0710258-13
Sample Description:		**Collection Date:**	10/03/07 16:05
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **JLN**
Acetone	A	***0.0024***	0.0020	0.050	J	mg/L	1	10/12/07 01:40
Benzene	A	***0.0059***	0.00030	0.0050		mg/L	1	10/12/07 01:40
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/12/07 01:40
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 01:40
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/12/07 01:40
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/12/07 01:40
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 01:40
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:40
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 01:40
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/12/07 01:40
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 01:40
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/12/07 01:40
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 01:40
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:40
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 01:40
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 01:40
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 01:40
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 01:40
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:40
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 01:40
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:40
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 01:40
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/12/07 01:40
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/12/07 01:40
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/12/07 01:40
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 01:40
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 01:40
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 01:40
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:40
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:40
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 01:40
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:40
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 01:40
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:40
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:40
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 01:40
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 01:40
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 01:40
Surr: 4-Bromofluorobenzene	S	91.0	0	74.3-123		%REC	1	10/12/07 01:40

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW53-30	**Work Order / ID:**	ME0710258-13
Sample Description:		**Collection Date:**	10/03/07 16:05
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	105	0	84.9-118		%REC	1	10/12/07 01:40
Surr: 1,2-Dichloroethane-d4	S	109	0	77.9-126		%REC	1	10/12/07 01:40
Surr: Toluene-d8	S	103	0	80.8-118		%REC	1	10/12/07 01:40

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-EB03-30	**Work Order / ID:**	ME0710258-14
Sample Description:		**Collection Date:**	10/03/07 16:20
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **JLN**
Acetone	A	***0.003***	0.0020	0.050	J	mg/L	1	10/12/07 02:12
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:12
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/12/07 02:12
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 02:12
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/12/07 02:12
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/12/07 02:12
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 02:12
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:12
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 02:12
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/12/07 02:12
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 02:12
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/12/07 02:12
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 02:12
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:12
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 02:12
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 02:12
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 02:12
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 02:12
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:12
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 02:12
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:12
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 02:12
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/12/07 02:12
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/12/07 02:12
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/12/07 02:12
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 02:12
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 02:12
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 02:12
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:12
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:12
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 02:12
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:12
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 02:12
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:12
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:12
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 02:12
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 02:12
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 02:12
Surr: 4-Bromofluorobenzene	S	90.9	0	74.3-123		%REC	1	10/12/07 02:12

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-EB03-30	**Work Order / ID:**	ME0710258-14
Sample Description:		**Collection Date:**	10/03/07 16:20
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	106	0	84.9-118		%REC	1	10/12/07 02:12
Surr: 1,2-Dichloroethane-d4	S	110	0	77.9-126		%REC	1	10/12/07 02:12
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	10/12/07 02:12

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW15-30	**Work Order / ID:**	ME0710258-15
Sample Description:		**Collection Date:**	10/04/07 08:20
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **JLN**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/12/07 02:44
Benzene	A	***0.0022***	0.00030	0.0050	J	mg/L	1	10/12/07 02:44
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/12/07 02:44
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 02:44
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/12/07 02:44
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/12/07 02:44
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 02:44
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:44
Chlorobenzene	A	***0.00031***	0.00020	0.0050	J	mg/L	1	10/12/07 02:44
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/12/07 02:44
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 02:44
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/12/07 02:44
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 02:44
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:44
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 02:44
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 02:44
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 02:44
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 02:44
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:44
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 02:44
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:44
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 02:44
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/12/07 02:44
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/12/07 02:44
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/12/07 02:44
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 02:44
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 02:44
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 02:44
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:44
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:44
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 02:44
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:44
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 02:44
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:44
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:44
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 02:44
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 02:44
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 02:44
Surr: 4-Bromofluorobenzene	S	92.5	0	74.3-123		%REC	1	10/12/07 02:44

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW15-30	**Work Order / ID:**	ME0710258-15
Sample Description:		**Collection Date:**	10/04/07 08:20
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	108	0	84.9-118		%REC	1	10/12/07 02:44
Surr: 1,2-Dichloroethane-d4	S	110	0	77.9-126		%REC	1	10/12/07 02:44
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	10/12/07 02:44

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW06-30	**Work Order / ID:**	ME0710258-16
Sample Description:		**Collection Date:**	10/04/07 08:45
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **JLN**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/12/07 03:16
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 03:16
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/12/07 03:16
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 03:16
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/12/07 03:16
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/12/07 03:16
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 03:16
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 03:16
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 03:16
Chloroethane	A	***0.00086***	0.00080	0.010	J	mg/L	1	10/12/07 03:16
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 03:16
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/12/07 03:16
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 03:16
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 03:16
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 03:16
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 03:16
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 03:16
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 03:16
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 03:16
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 03:16
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 03:16
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 03:16
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/12/07 03:16
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/12/07 03:16
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/12/07 03:16
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 03:16
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 03:16
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 03:16
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 03:16
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 03:16
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 03:16
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 03:16
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 03:16
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 03:16
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 03:16
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 03:16
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 03:16
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 03:16
Surr: 4-Bromofluorobenzene	S	91.8	0	74.3-123		%REC	1	10/12/07 03:16

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW06-30	**Work Order / ID:**	ME0710258-16
Sample Description:		**Collection Date:**	10/04/07 08:45
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	108	0	84.9-118		%REC	1	10/12/07 03:16
Surr: 1,2-Dichloroethane-d4	S	110	0	77.9-126		%REC	1	10/12/07 03:16
Surr: Toluene-d8	S	101	0	80.8-118		%REC	1	10/12/07 03:16

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW48-30	**Work Order / ID:**	ME0710258-17
Sample Description:		**Collection Date:**	10/04/07 09:45
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:			Analyst:	**JLN**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/12/07 03:48
Benzene	A	***0.046***	0.0015	0.025		mg/L	5	10/12/07 11:40
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/12/07 03:48
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 03:48
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/12/07 03:48
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/12/07 03:48
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 03:48
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 03:48
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 03:48
Chloroethane	A	***0.006***	0.00080	0.010	J	mg/L	1	10/12/07 03:48
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 03:48
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/12/07 03:48
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 03:48
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 03:48
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 03:48
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 03:48
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 03:48
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 03:48
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 03:48
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 03:48
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 03:48
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 03:48
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/12/07 03:48
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/12/07 03:48
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/12/07 03:48
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 03:48
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 03:48
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 03:48
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 03:48
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 03:48
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 03:48
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 03:48
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 03:48
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 03:48
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 03:48
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 03:48
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 03:48
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 03:48
Surr: 4-Bromofluorobenzene	S	90.7	0	74.3-123		%REC	1	10/12/07 03:48

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Revised
11/05/07

ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW48-30	**Work Order / ID:**	ME0710258-17
Sample Description:		**Collection Date:**	10/04/07 09:45
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	104	0	84.9-118		%REC	1	10/12/07 03:48
Surr: 1,2-Dichloroethane-d4	S	109	0	77.9-126		%REC	1	10/12/07 03:48
Surr: Toluene-d8	S	101	0	80.8-118		%REC	1	10/12/07 03:48

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11/05/07

ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW49-30	**Work Order / ID:**	ME0710258-18
Sample Description:		**Collection Date:**	10/04/07 10:05
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **JLN**
Acetone	A	***ND***	0.0020	0.050		mg/L	1	10/12/07 04:20
Benzene	A	***0.55***	0.015	0.25		mg/L	50	10/12/07 12:12
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/12/07 04:20
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 04:20
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/12/07 04:20
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/12/07 04:20
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 04:20
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 04:20
Chlorobenzene	A	***0.00047***	0.00020	0.0050	J	mg/L	1	10/12/07 04:20
Chloroethane	A	***0.010***	0.00080	0.010		mg/L	1	10/12/07 04:20
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 04:20
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/12/07 04:20
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 04:20
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 04:20
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 04:20
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 04:20
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 04:20
trans-1,2-Dichloroethene	A	***0.00043***	0.00040	0.0050	J	mg/L	1	10/12/07 04:20
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 04:20
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 04:20
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 04:20
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 04:20
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/12/07 04:20
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/12/07 04:20
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/12/07 04:20
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 04:20
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 04:20
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 04:20
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 04:20
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 04:20
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 04:20
Trichloroethene	A	***0.00037***	0.00030	0.0050	J	mg/L	1	10/12/07 04:20
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 04:20
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 04:20
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 04:20
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 04:20
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 04:20
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 04:20
Surr: 4-Bromofluorobenzene	S	92.0	0	74.3-123		%REC	1	10/12/07 04:20

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11/05/07

ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW49-30	**Work Order / ID:**	ME0710258-18
Sample Description:		**Collection Date:**	10/04/07 10:05
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	102	0	84.9-118		%REC	1	10/12/07 04:20
Surr: 1,2-Dichloroethane-d4	S	90.2	0	77.9-126		%REC	1	10/12/07 04:20
Surr: Toluene-d8	S	101	0	80.8-118		%REC	1	10/12/07 04:20

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11/05/07

FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)

NA	=	Not Analyzed	N/A	=	Not Applicable			
mg/L	=	Milligrams per Liter (ppm)	ug/L	=	Micrograms per Liter (ppb)	cfu	=	Colony Forming Unit
mg/Kg	=	Milligrams per Kilogram (ppm)	ug/Kg	=	Micrograms per Kilogram (ppb)	ng/L	=	Nanograms per Liter (ppt)

U	=	Undetected
J	=	Analyte concentration detected between RL and MDL (Metals / Organics)
B	=	Detected in the associated Method Blank at a concentration above the routine PQL/RL
b	=	Detected in the associated Method Blank at a concentration above the Method Detection Limit but less than the routine PQL/RL
D	=	Surrogate recoveries are not calculated due to sample dilution
ND	=	Not Detected at the Reporting Limit (or the Method Detection Limit, if listed)
E	=	Value above quantitation range
H	=	Analyte was prepared and/or analyzed outside of the analytical method holding time
I	=	Matrix Interference
R	=	RPD outside accepted recovery limits
S	=	Spike recovery outside recovery limits
Surr	=	Surrogate

DF = Dilution Factor RL = Reporting Limit ST = Sample Type MDL = Method Detection Limit

SAMPLE TYPES

A	=	Analyte
I	=	Internal Standard
S	=	Surrogate
T	=	Tentatively Identified Compound (TIC, concentration estimated)

QC SAMPLE IDENTIFICATIONS

MBLK	=	Method Blank	ICSA	=	Interference Check Standard "A"	OPR	=	Ongoing Precision and Recovery Standard
DUP	=	Method Duplicate	ICSAB	=	Interference Check Standard "AB"			
LCS	=	Laboratory Control Sample	LCSD	=	Laboratory Control Sample Duplicate			
MS	=	Matrix Spike	MSD	=	Matrix Spike Duplicate			
ICB	=	Initial Calibration Blank	CCB	=	Continuing Calibration Blank			
ICV	=	Initial Calibration Verification	CCV	=	Continuing Calibration Verification			
PDS	=	Post Digestion Spike	SD	=	Serial Dilution			

CERTIFICATIONS

Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.

- Illinois EPA for the analysis wastewater and solid waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (accreditation #100435)
- Illinois Department of Public Health for the microbiological analysis of drinking water (registry #175458)
- Indiana DEM approved support laboratory for solid waste and wastewater analyses
- Indiana SDH for the chemical analysis of drinking water (lab #C-45-02)
- Indiana SDH for the microbiological analysis of drinking water (lab #M-45-08)
- Kentucky EPPC for the analysis of samples applicable to the Underground Storage Tank program (lab #0061)
- North Carolina DENR for the environmental analysis for NPDES effluent, surface water, groundwater, and pretreatment regulations (certificate #597)
- Wisconsin DNR for the chemical analysis of wastewater and solid waste (lab #998036710)

MICROBAC LOCATIONS, SERVICE CENTERS (SC) AND SATELLITE OFFICES (Sat)

Baltimore Division - Baltimore, MD
Camp Hill Division - Camp Hill, PA
Camp Hill Division (SC) - Pittston, PA
Chicagoland Division - Merrillville, IN
Chicagoland Division (SC) - Indianapolis, IN
Corona Division - Corona, CA
Erie Division - Erie, PA
Fayetteville Division - Fayetteville, NC
Hauser Division - Boulder, CO
Kentucky Division - Louisville, KY
Kentucky Division (Sat) - Evansville, IN
Kentucky Division (Sat) - Lexington, KY
Kentucky Division (Sat) - Paducah, KY
Knoxville Division - Maryville, TN
Massachusetts Division - Marlborough, MA
Microbac Corporate Office - Wexford, PA
Microbac NY - Cortland Office - Cortland, NY
Microbac NY - Waverly Office - Waverly, NY
New Castle Division - New Castle, PA
Pittsburgh Division - Warrendale, PA
Richmond Division - Richmond, VA
South Carolina Division - New Ellenton, SC
South Jersey Division - Turnersville, NJ
Southern Headquarters - Poquoson, VA
Southern Testing Division - Wilson, NC
Southern Testing Division (Sat) - Greensboro, NC
Venice Division - Venice, FL

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11/05/07

COOLER INSPECTION

Date: Monday, November 05, 2007

Client Name ***MWH, Inc.***
Work Order Number ***ME0710258***
Checklist completed by SPM | 10/4/2007 8:14:49 PM

Date / Time Received: ***10/4/2007 4:05:00 PM***
Received by: SPM
Reviewed by RJM | 10/7/2007 9:39:15 PM

Carrier name: Microbac

After-Hour Arrival?	Yes ☐	No ☑	
Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody included sufficient client identification?	Yes ☑	No ☐	
Chain of custody included sufficient sample collector information?	Yes ☑	No ☐	
Chain of custody included a sample description?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Chain of custody identified the appropriate matrix?	Yes ☑	No ☐	
Chain of custody included date of collection?	Yes ☑	No ☐	
Chain of custody included time of collection?	Yes ☑	No ☐	
Chain of custody identified the appropriate number of containers?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Chain of custody identified the appropriate preservatives (if preserved)?	Yes ☑	No ☐	
Samples properly preserved?	Yes ☑	No ☐	

If No, adjusted by? _____ Date/Time _____

Chain of custody included the requested analyses?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Samples received on ice?	Yes ☑	No ☐

Container/Temp Blank temperatures	Cooler	Temp
	1	2 ºC

VOA vials for aqueous samples have zero headspace? No VOA vials submitted ☑ Yes ☐ No ☐

ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.

General Comments:

Sample ID	Client Sample ID	Comments
ME0710258-01A	ACS-GW-TB03-30	
ME0710258-02A	ACS-GW-MW31-30	
ME0710258-03A	ACS-GW-MW32-30	
ME0710258-04A	ACS-GW-MW23-30	
ME0710258-05A	ACS-GW-DUP03-30	
ME0710258-06A	ACS-GW-MW14-30	
ME0710258-07A	ACS-GW-MW09R-30	
ME0710258-08A	ACS-GW-MW30-30	
ME0710258-09A	ACS-GW-MW29-30	
ME0710258-10A	ACS-GW-MW33-30	
ME0710258-11A	ACS-GW-MW51-30	
ME0710258-12A	ACS-GW-MW52-30	
ME0710258-13A	ACS-GW-MW53-30	
ME0710258-14A	ACS-GW-EB03-30	

Sample ID	Client Sample ID	Comments
ME0710258-15A	ACS-GW-MW15-30	
ME0710258-16A	ACS-GW-MW06-30	
ME0710258-17A	ACS-GW-MW48-30	
ME0710258-18A	ACS-GW-MW49-30	

ME0710258
MONT. WATSON-IL-CHICAG 10/15/2007
RJM
ACS / Griffith, IN
Justin Finger

Page 46 of 193

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Samples Submitted to:
[ ] 250 West 84th Drive, Merrillville, IN 46410, Tel: 219-769-8378, Fax: 219-769-1664
[ ] 5713 West 85th Street, Indianapolis, IN 46278, Tel: 317-872-1375, Fax: 317-872-1379

Chain of Custody Record

Number 79338

Instructions on back

Client Name MWH	Project ACS	Turnaround Time	Report Type
Address 175 W. JACKSON BLVD, SUITE 1900	Location GRIFFITH, IN	[X] Routine (7 working days)	[ ] Results Only [ ] Level II
City, State, Zip CHICAGO, IL 60604	PO # 4050577	[ ] RUSH* (notify lab)	[ ] Level III [ ] Level III CLP-like
Contact JUSTIN FINGER	Compliance Monitoring? [ ] Yes(1) [X] No	(needed by)	[ ] Level IV [ ] Level IV CLP-like
Telephone # (312) 831-3447	(1)Agency/Program		[ ] EDD

Sampled by (PRINT) JUSTIN FINGER / AMANDA MCCALLISTER / DENICE BAMBASTER
Sampler Signature
Sampler Phone # (312) 831-3447
Send Report via [X] Mail [ ] Telephone [ ] Fax (fax #) [X] e-mail (address) JUSTIN.E.FINGER@MWHGLOBAL.COM

* **Matrix Types:** Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)
** **Preservative Types:** (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analyses → Preservative Types ** ↓	VOCs								For Lab Use Only ME0710258
ACS-GW-TB03-30	GW	X			10/3/07	0730	1	3	X								1A
ACS-GW-MW31-30	GW	X			10/3/07	0820	3	3	X								2A
ACS-GW-MW32-30	GW	X			10/3/07	0825	3	3	X								3A
ACS-GW-MW23-30	GW	X			10/3/07	0955	3	3	X								4A
ACS-GW-DUP03-30	GW	X			10/3/07	0900	3	3	X								5A
ACS-GW-MW14-30	GW	X			10/3/07	1030	3	3	X								6A
ACS-GW-MW09R-30	GW	X			10/3/07	1050	3	3	X								7A
ACS-GW-MW30-30	GW	X			10/3/07	1135	3	3	X								8A
ACS-GW-MW29-30	GW	X			10/3/07	1155	3	3	X								9A
ACS-GW-MW33-30	GW	X			10/3/07	1440	3	3	X								10A
ACS-GW-MW51-30	GW	X			10/3/07	1505	3	3	X								11A

Possible Hazard Identification [ ] Hazardous [ ] Non-Hazardous [ ] Radioactive
Sample Disposition [ ] Dispose as appropriate [ ] Return [ ] Archive

Comments	Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
		10/4/07 1100		10/4 1500
	Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
		10/4 1605		
Sample temperature upon receipt in degrees C = 2°	Relinquished By (signature)	Date/Time	Received for Lab By (signature)	Date/Time
			Scot Mecard	10/4/07 16:05

rev. 11/04/04

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Samples Submitted to:
[ ] 250 West 84th Drive, Merrillville, IN 46410, Tel: 219-769-8378, Fax: 219-769-1664
[ ] 5713 West 85th Street, Indianapolis, IN 46278, Tel: 317-872-1375, Fax: 317-872-1379

Chain of Custody Record

Number 79339

Instructions on back

Client Name SEE PAGE 1	**Project**	**Turnaround Time**	**Report Type**
Address	**Location**	[ ] Routine (7 working days)	[ ] Results Only [ ] Level II
City, State, Zip	**PO #**	[ ] RUSH* (notify lab)	[ ] Level III [ ] Level III CLP-like
Contact	Compliance Monitoring? [ ] Yes(1) [ ] No	_____ (needed by)	[ ] Level IV [ ] Level IV CLP-like
Telephone #	(1)Agency/Program		[ ] EDD

Sampled by (PRINT) _____ **Sampler Signature** _____ **Sampler Phone #** _____

Send Report via [ ] Mail [ ] Telephone [ ] Fax (fax #) _____ [ ] e-mail (address) _____

* **Matrix Types:** Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

** **Preservative Types:** (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analyses → Preservative Types **	VOCs								For Lab Use Only ME071025B
ACS-GW-MW52-30	GW	X			10/3/07	1545	3	3	X								12A
ACS-GW-MW53-30	GW	X			10/3/07	1605	3	3	X								13A
ACS-GW-EB03-30	GW	X			10/3/07	1620	3	3	X								14A
ACS-GW-MW15-30	GW	X			10/4/07	0820	3	3	X								15A
ACS-GW-MW06-30	GW	X			10/4/07	0845	3	3	X								16A
ACS-GW-MW48-30	GW	X			10/4/07	0945	3	3	X								17A
ACS-GW-MW49-30	GW	X			10/4/07	1005	3	3	X								18A

Possible Hazard Identification [ ] Hazardous [ ] Non-Hazardous [ ] Radioactive **Sample Disposition** [ ] Dispose as appropriate [ ] Return [ ] Archive

Comments	Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
	[signature]	10/4/07 1100	[signature]	10/4 1500
	Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
	M. [signature]	10/4/07 1605		
Sample temperature upon receipt in degrees C = 2°	Relinquished By (signature)	Date/Time	Received for Lab By (signature)	Date/Time
			Scott Mecard	10/4/07 16:05

rev. 11/04/04

CLIENT: MWH, Inc.
Work Order: ME0710258
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103497

Sample ID: **MBLK W-25 10/11/0** SampType: **MBLK** TestCode: **8260+_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011A**
Client ID: **ZZZZZ** Batch ID: **R103497** TestNo: **SW8260B** Analysis Date: **10/11/2007 8:30:00 AM** SeqNo: **1636481**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	ND	5.0									
Benzene	ND	1.0									
Bromodichloromethane	ND	1.0									
Bromoform	ND	1.0									
Bromomethane	ND	2.0									
2-Butanone	ND	2.0									
Carbon Disulfide	ND	2.0									
Carbon tetrachloride	ND	1.0									
Chlorobenzene	ND	1.0									
Chloroethane	ND	2.0									
Chloroform	ND	1.0									
Chloromethane	ND	2.0									
Dibromochloromethane	ND	1.0									
1,1-Dichloroethane	ND	1.0									
1,2-Dichloroethane	ND	1.0									
1,1-Dichloroethene	ND	1.0									
cis-1,2-Dichloroethene	ND	1.0									
trans-1,2-Dichloroethene	ND	1.0									
1,2-Dichloropropane	ND	1.0									
trans-1,3-Dichloropropene	ND	1.0									
cis-1,3-Dichloropropene	ND	1.0									
Ethylbenzene	ND	1.0									
2-Hexanone	ND	2.0									
4-Methyl-2-Pentanone	ND	1.0									
Methylene chloride	ND	2.0									
Styrene	ND	1.0									
1,1,2,2-Tetrachloroethane	ND	1.0									
Tetrachloroethene	ND	1.0									
Toluene	ND	1.0									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710258
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103497

Sample ID: **MBLK W-25 10/11/0** SampType: **MBLK** TestCode: **8260+_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011A**
Client ID: **ZZZZZ** Batch ID: **R103497** TestNo: **SW8260B** Analysis Date: **10/11/2007 8:30:00 AM** SeqNo: **1636481**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	1.0									
1,1,2-Trichloroethane	ND	1.0									
Trichloroethene	ND	1.0									
Vinyl chloride	ND	2.0									
1,2,4-Trichlorobenzene	ND	1.0									
1,2-Dichlorobenzene	ND	1.0									
1,3-Dichlorobenzene	ND	1.0									
1,4-Dichlorobenzene	ND	1.0									
Total Xylenes	ND	1.0									
Surr: 4-Bromofluorobenzene	9.22	0	10	0	92.2	74.3	123	0	0		
Surr: Dibromofluoromethane	10.55	0	10	0	106	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	10.81	0	10	0	108	77.9	126	0	0		
Surr: Toluene-d8	10.21	0	10	0	102	80.8	118	0	0		

Sample ID: **LCS W-10 PPB** SampType: **LCS** TestCode: **8260+_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011A**
Client ID: **ZZZZZ** Batch ID: **R103497** TestNo: **SW8260B** Analysis Date: **10/11/2007 9:01:00 AM** SeqNo: **1636491**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	8.84	1.0	10	0	88.4	75.4	121	0	0		
Bromodichloromethane	8.96	1.0	10	0	89.6	69.4	121	0	0		
Bromoform	9.81	1.0	10	0	98.1	60	131	0	0		
Carbon tetrachloride	8.95	1.0	10	0	89.5	65.5	134	0	0		
Chlorobenzene	9.38	1.0	10	0	93.8	81.1	120	0	0		
Chloroform	9.46	1.0	10	0	94.6	74.1	123	0	0		
Chloromethane	6.07	2.0	10	0	60.7	22.5	147	0	0		
Dibromochloromethane	9.56	1.0	10	0	95.6	68.6	123	0	0		
1,1-Dichloroethane	8.85	1.0	10	0	88.5	77	132	0	0		
1,2-Dichloroethane	9.51	1.0	10	0	95.1	68	127	0	0		
1,1-Dichloroethene	6.85	1.0	10	0	68.5	47.5	153	0	0		
trans-1,2-Dichloroethene	8.24	1.0	10	0	82.4	64.5	143	0	0		
1,2-Dichloropropane	9.22	1.0	10	0	92.2	74.4	126	0	0		

Qualifiers:
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CLIENT: MWH, Inc.
Work Order: ME0710258
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103497

Sample ID: **LCS W-10 PPB** SampType: **LCS** TestCode: **8260+_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011A**
Client ID: **ZZZZZ** Batch ID: **R103497** TestNo: **SW8260B** Analysis Date: **10/11/2007 9:01:00 AM** SeqNo: **1636491**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene	10.08	1.0	10	0	101	71.8	131	0	0		
cis-1,3-Dichloropropene	9.42	1.0	10	0	94.2	69.1	126	0	0		
Ethylbenzene	9.03	1.0	10	0	90.3	73.6	125	0	0		
Methylene chloride	8.36	2.0	10	0	83.6	37.6	136	0	0		
1,1,2,2-Tetrachloroethane	9.88	1.0	10	0	98.8	69.8	123	0	0		
Tetrachloroethene	9.28	1.0	10	0	92.8	70.1	134	0	0		
Toluene	8.93	1.0	10	0	89.3	76.4	123	0	0		
1,1,1-Trichloroethane	8.94	1.0	10	0	89.4	70.8	131	0	0		
1,1,2-Trichloroethane	9.54	1.0	10	0	95.4	67.6	127	0	0		
Trichloroethene	8.73	1.0	10	0	87.3	69.9	127	0	0		
Vinyl chloride	5.82	2.0	10	0	58.2	37.1	149	0	0		
Surr: 4-Bromofluorobenzene	10.33	0	10	0	103	74.3	123	0	0		
Surr: Dibromofluoromethane	10.94	0	10	0	109	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	10.84	0	10	0	108	77.9	126	0	0		
Surr: Toluene-d8	10.3	0	10	0	103	80.8	118	0	0		

Sample ID: **ME0710172-04AMS** SampType: **MS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011A**
Client ID: **ZZZZZ** Batch ID: **R103497** TestNo: **SW8260B** Analysis Date: **10/11/2007 12:34:00 P** SeqNo: **1637310**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	8.62	1.0	10	0	86.2	60.6	130	0	0		
Bromodichloromethane	9.22	1.0	10	0	92.2	65.8	126	0	0		
Bromoform	10.31	1.0	10	0	103	40.5	146	0	0		
Bromomethane	7.45	2.0	10	0	74.5	0	243	0	0		
Carbon tetrachloride	7.09	1.0	10	0	70.9	47.2	149	0	0		
Chlorobenzene	20.72	1.0	10	14.27	64.5	75.6	127	0	0		S
Chloroethane	9.8	2.0	10	0	98	0	357	0	0		
Chloroform	8.9	1.0	10	0	89	71.2	120	0	0		
Chloromethane	12.46	2.0	10	0	125	10.8	155	0	0		
Dibromochloromethane	9.7	1.0	10	0	97	60.1	136	0	0		
1,1-Dichloroethane	8.41	1.0	10	0	84.1	68	119	0	0		

Qualifiers:
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b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710258
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103497

Sample ID: **ME0710172-04AMS** SampType: **MS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011A**
Client ID: **ZZZZZ** Batch ID: **R103497** TestNo: **SW8260B** Analysis Date: **10/11/2007 12:34:00 P** SeqNo: **1637310**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane	10.1	1.0	10	0	101	67.7	133	0	0		
1,1-Dichloroethene	6.94	1.0	10	0	69.4	50.1	125	0	0		
trans-1,2-Dichloroethene	7.81	1.0	10	0	78.1	56.9	132	0	0		
1,2-Dichloropropane	9.02	1.0	10	0	90.2	71.4	125	0	0		
cis-1,3-Dichloropropene	8.86	1.0	10	0	88.6	66.9	134	0	0		
trans-1,3-Dichloropropene	9.51	1.0	10	0	95.1	69.9	130	0	0		
Ethylbenzene	7.84	1.0	10	0	78.4	60.6	144	0	0		
Methylene chloride	8.77	2.0	10	0	87.7	55.4	130	0	0		
1,1,2,2-Tetrachloroethane	10.4	1.0	10	0	104	46.8	168	0	0		
Tetrachloroethene	7.2	1.0	10	0	72	60.1	144	0	0		
Toluene	7.81	1.0	10	0	78.1	69.7	130	0	0		
1,1,1-Trichloroethane	7.35	1.0	10	0	73.5	63	136	0	0		
1,1,2-Trichloroethane	10.16	1.0	10	0	102	40.6	165	0	0		
Trichloroethene	7.55	1.0	10	0	75.5	48.6	139	0	0		
Vinyl chloride	10.79	2.0	10	0	108	33	151	0	0		
Surr: 4-Bromofluorobenzene	10.3	0	10	0	103	74.3	123	0	0		
Surr: Dibromofluoromethane	10.95	0	10	0	110	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	10.89	0	10	0	109	77.9	126	0	0		
Surr: Toluene-d8	10.08	0	10	0	101	80.8	118	0	0		

Sample ID: **ME0710172-04AMS** SampType: **MSD** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011A**
Client ID: **ZZZZZ** Batch ID: **R103497** TestNo: **SW8260B** Analysis Date: **10/11/2007 1:06:00 PM** SeqNo: **1637311**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	9.53	1.0	10	0	95.3	60.6	130	8.62	10.0	23.7	
Bromodichloromethane	9.81	1.0	10	0	98.1	65.8	126	9.22	6.20	28.4	
Bromoform	10.83	1.0	10	0	108	40.5	146	10.31	4.92	28.8	
Bromomethane	7.2	2.0	10	0	72	0	243	7.45	3.41	52.8	
Carbon tetrachloride	7.79	1.0	10	0	77.9	47.2	149	7.09	9.41	31.1	
Chlorobenzene	21.17	1.0	10	14.27	69	75.6	127	20.72	2.15	23	S
Chloroethane	7.43	2.0	10	0	74.3	0	357	9.8	27.5	29.3	

Qualifiers:
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R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710258
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103497

Sample ID: **ME0710172-04AMS** SampType: **MSD** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011A**
Client ID: **ZZZZZ** Batch ID: **R103497** TestNo: **SW8260B** Analysis Date: **10/11/2007 1:06:00 PM** SeqNo: **1637311**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	9.7	1.0	10	0	97	71.2	120	8.9	8.60	25	
Chloromethane	9.52	2.0	10	0	95.2	10.8	155	12.46	26.8	90.9	
Dibromochloromethane	9.91	1.0	10	0	99.1	60.1	136	9.7	2.14	27.1	
1,1-Dichloroethane	9.29	1.0	10	0	92.9	68	119	8.41	9.94	14.2	
1,2-Dichloroethane	10.28	1.0	10	0	103	67.7	133	10.1	1.77	23.3	
1,1-Dichloroethene	7.82	1.0	10	0	78.2	50.1	125	6.94	11.9	31	
trans-1,2-Dichloroethene	8.68	1.0	10	0	86.8	56.9	132	7.81	10.6	66.1	
1,2-Dichloropropane	9.8	1.0	10	0	98	71.4	125	9.02	8.29	26	
cis-1,3-Dichloropropene	9.54	1.0	10	0	95.4	66.9	134	8.86	7.39	28.7	
trans-1,3-Dichloropropene	9.99	1.0	10	0	99.9	69.9	130	9.51	4.92	27.9	
Ethylbenzene	8.69	1.0	10	0	86.9	60.6	144	7.84	10.3	25.2	
Methylene chloride	9.03	2.0	10	0	90.3	55.4	130	8.77	2.92	28.7	
1,1,2,2-Tetrachloroethane	10.72	1.0	10	0	107	46.8	168	10.4	3.03	22.3	
Tetrachloroethene	8.12	1.0	10	0	81.2	60.1	144	7.2	12.0	29.7	
Toluene	8.64	1.0	10	0	86.4	69.7	130	7.81	10.1	25.4	
1,1,1-Trichloroethane	8.24	1.0	10	0	82.4	63	136	7.35	11.4	29	
1,1,2-Trichloroethane	10.4	1.0	10	0	104	40.6	165	10.16	2.33	25.9	
Trichloroethene	8.52	1.0	10	0	85.2	48.6	139	7.55	12.1	26.9	
Vinyl chloride	7.29	2.0	10	0	72.9	33	151	10.79	38.7	31.2	R
Surr: 4-Bromofluorobenzene	10.23	0	10	0	102	74.3	123	0	0	0	
Surr: Dibromofluoromethane	10.77	0	10	0	108	84.9	118	0	0	0	
Surr: 1,2-Dichloroethane-d4	10.79	0	10	0	108	77.9	126	0	0	0	
Surr: Toluene-d8	10.16	0	10	0	102	80.8	118	0	0	0	

Qualifiers:
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CLIENT: MWH, Inc.
Work Order: ME0710258
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103565

Sample ID: **MBLK W-25 10/12/0** SampType: **MBLK** TestCode: **8260+_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071012A**
Client ID: **ZZZZZ** Batch ID: **R103565** TestNo: **SW8260B** Analysis Date: **10/12/2007 9:05:00 AM** SeqNo: **1637485**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	ND	5.0									
Benzene	ND	1.0									
Bromodichloromethane	ND	1.0									
Bromoform	ND	1.0									
Bromomethane	ND	2.0									
2-Butanone	ND	2.0									
Carbon Disulfide	ND	2.0									
Carbon tetrachloride	ND	1.0									
Chlorobenzene	ND	1.0									
Chloroethane	ND	2.0									
Chloroform	ND	1.0									
Chloromethane	ND	2.0									
Dibromochloromethane	ND	1.0									
1,1-Dichloroethane	ND	1.0									
1,2-Dichloroethane	ND	1.0									
1,1-Dichloroethene	ND	1.0									
cis-1,2-Dichloroethene	ND	1.0									
trans-1,2-Dichloroethene	ND	1.0									
1,2-Dichloropropane	ND	1.0									
trans-1,3-Dichloropropene	ND	1.0									
cis-1,3-Dichloropropene	ND	1.0									
Ethylbenzene	ND	1.0									
2-Hexanone	ND	2.0									
4-Methyl-2-Pentanone	ND	1.0									
Methylene chloride	ND	2.0									
Styrene	ND	1.0									
1,1,2,2-Tetrachloroethane	ND	1.0									
Tetrachloroethene	ND	1.0									
Toluene	ND	1.0									
1,1,1-Trichloroethane	ND	1.0									
1,1,2-Trichloroethane	ND	1.0									

Qualifiers:
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B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710258
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103565

Sample ID: **MBLK W-25 10/12/0** SampType: **MBLK** TestCode: **8260+_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071012A**
Client ID: **ZZZZZ** Batch ID: **R103565** TestNo: **SW8260B** Analysis Date: **10/12/2007 9:05:00 AM** SeqNo: **1637485**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	ND	1.0									
Vinyl chloride	ND	2.0									
1,2,4-Trichlorobenzene	ND	1.0									
1,2-Dichlorobenzene	ND	1.0									
1,3-Dichlorobenzene	ND	1.0									
1,4-Dichlorobenzene	ND	1.0									
Total Xylenes	ND	1.0									
Surr: 4-Bromofluorobenzene	9.16	0	10	0	91.6	74.3	123	0	0		
Surr: Dibromofluoromethane	10.47	0	10	0	105	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	10.68	0	10	0	107	77.9	126	0	0		
Surr: Toluene-d8	10.26	0	10	0	103	80.8	118	0	0		

Sample ID: **LCS W-10 PPB** SampType: **LCS** TestCode: **8260+_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071012A**
Client ID: **ZZZZZ** Batch ID: **R103565** TestNo: **SW8260B** Analysis Date: **10/12/2007 9:37:00 AM** SeqNo: **1637486**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	9.8	1.0	10	0	98	75.4	121	0	0		
Bromodichloromethane	9.6	1.0	10	0	96	69.4	121	0	0		
Bromoform	10.71	1.0	10	0	107	60	131	0	0		
Carbon tetrachloride	9.62	1.0	10	0	96.2	65.5	134	0	0		
Chlorobenzene	10.09	1.0	10	0	101	81.1	120	0	0		
Chloroform	9.96	1.0	10	0	99.6	74.1	123	0	0		
Chloromethane	11.54	2.0	10	0	115	22.5	147	0	0		
Dibromochloromethane	10.16	1.0	10	0	102	68.6	123	0	0		
1,1-Dichloroethane	9.74	1.0	10	0	97.4	77	132	0	0		
1,2-Dichloroethane	10.35	1.0	10	0	104	68	127	0	0		
1,1-Dichloroethene	9.51	1.0	10	0	95.1	47.5	153	0	0		
trans-1,2-Dichloroethene	9.57	1.0	10	0	95.7	64.5	143	0	0		
1,2-Dichloropropane	9.83	1.0	10	0	98.3	74.4	126	0	0		
trans-1,3-Dichloropropene	10.18	1.0	10	0	102	71.8	131	0	0		
cis-1,3-Dichloropropene	10.05	1.0	10	0	100	69.1	126	0	0		

Qualifiers:
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B - Analyte detected above reporting limit in the Method Blank
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CLIENT: MWH, Inc.
Work Order: ME0710258
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103565

Sample ID: **LCS W-10 PPB** SampType: **LCS** TestCode: **8260+_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071012A**
Client ID: **ZZZZZ** Batch ID: **R103565** TestNo: **SW8260B** Analysis Date: **10/12/2007 9:37:00 AM** SeqNo: **1637486**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	9.6	1.0	10	0	96	73.6	125	0	0		
Methylene chloride	11.05	2.0	10	0	110	37.6	136	0	0		
1,1,2,2-Tetrachloroethane	10.66	1.0	10	0	107	69.8	123	0	0		
Tetrachloroethene	9.8	1.0	10	0	98	70.1	134	0	0		
Toluene	9.62	1.0	10	0	96.2	76.4	123	0	0		
1,1,1-Trichloroethane	9.68	1.0	10	0	96.8	70.8	131	0	0		
1,1,2-Trichloroethane	10.6	1.0	10	0	106	67.6	127	0	0		
Trichloroethene	9.33	1.0	10	0	93.3	69.9	127	0	0		
Vinyl chloride	10.35	2.0	10	0	104	37.1	149	0	0		
Surr: 4-Bromofluorobenzene	10.25	0	10	0	103	74.3	123	0	0		
Surr: Dibromofluoromethane	10.82	0	10	0	108	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	10.75	0	10	0	108	77.9	126	0	0		
Surr: Toluene-d8	10.41	0	10	0	104	80.8	118	0	0		

Sample ID: **ME0710258-09AMS** SampType: **MS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071012A**
Client ID: **ACS-GW-MW29-30** Batch ID: **R103565** TestNo: **SW8260B** Analysis Date: **10/12/2007 12:44:00 P** SeqNo: **1638291**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	48.85	5.0	50	0	97.7	60.6	130	0	0		
Bromodichloromethane	48.2	5.0	50	0	96.4	65.8	126	0	0		
Bromoform	52	5.0	50	0	104	40.5	146	0	0		
Bromomethane	29.3	10	50	0	58.6	0	243	0	0		
Carbon tetrachloride	47.95	5.0	50	0	95.9	47.2	149	0	0		
Chlorobenzene	49.1	5.0	50	0	98.2	75.6	127	0	0		
Chloroethane	103.2	10	50	69	68.5	0	357	0	0		
Chloroform	49.8	5.0	50	0	99.6	71.2	120	0	0		
Chloromethane	57.5	10	50	0	115	10.8	155	0	0		
Dibromochloromethane	49.9	5.0	50	0	99.8	60.1	136	0	0		
1,1-Dichloroethane	48.7	5.0	50	0	97.4	68	119	0	0		
1,2-Dichloroethane	51.4	5.0	50	0	103	67.7	133	0	0		
1,1-Dichloroethene	47.15	5.0	50	0	94.3	50.1	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710258
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103565

Sample ID: **ME0710258-09AMS** SampType: **MS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071012A**
Client ID: **ACS-GW-MW29-30** Batch ID: **R103565** TestNo: **SW8260B** Analysis Date: **10/12/2007 12:44:00 P** SeqNo: **1638291**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	48.5	5.0	50	0	97	56.9	132	0	0		
1,2-Dichloropropane	48.7	5.0	50	0	97.4	71.4	125	0	0		
cis-1,3-Dichloropropene	46.85	5.0	50	0	93.7	66.9	134	0	0		
trans-1,3-Dichloropropene	48.75	5.0	50	0	97.5	69.9	130	0	0		
Ethylbenzene	46.85	5.0	50	0	93.7	60.6	144	0	0		
Methylene chloride	56.7	10	50	0	113	55.4	130	0	0		
1,1,2,2-Tetrachloroethane	52.25	5.0	50	0	104	46.8	168	0	0		
Tetrachloroethene	48.25	5.0	50	0	96.5	60.1	144	0	0		
Toluene	47.35	5.0	50	0	94.7	69.7	130	0	0		
1,1,1-Trichloroethane	48.1	5.0	50	0	96.2	63	136	0	0		
1,1,2-Trichloroethane	52.1	5.0	50	0	104	40.6	165	0	0		
Trichloroethene	46.7	5.0	50	0	93.4	48.6	139	0	0		
Vinyl chloride	50.1	10	50	0	100	33	151	0	0		
Surr: 4-Bromofluorobenzene	51.5	0	50	0	103	74.3	123	0	0		
Surr: Dibromofluoromethane	54.8	0	50	0	110	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	54.9	0	50	0	110	77.9	126	0	0		
Surr: Toluene-d8	51.65	0	50	0	103	80.8	118	0	0		

Sample ID: **ME0710258-09AMS** SampType: **MSD** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071012A**
Client ID: **ACS-GW-MW29-30** Batch ID: **R103565** TestNo: **SW8260B** Analysis Date: **10/12/2007 1:16:00 PM** SeqNo: **1638292**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	42.7	5.0	50	0	85.4	60.6	130	48.85	13.4	23.7	
Bromodichloromethane	46.35	5.0	50	0	92.7	65.8	126	48.2	3.91	28.4	
Bromoform	52.95	5.0	50	0	106	40.5	146	52	1.81	28.8	
Bromomethane	29.85	10	50	0	59.7	0	243	29.3	1.86	52.8	
Carbon tetrachloride	36.3	5.0	50	0	72.6	47.2	149	47.95	27.7	31.1	
Chlorobenzene	45.15	5.0	50	0	90.3	75.6	127	49.1	8.38	23	
Chloroethane	92	10	50	69	46	0	357	103.2	11.5	29.3	
Chloroform	45.25	5.0	50	0	90.5	71.2	120	49.8	9.57	25	
Chloromethane	49.95	10	50	0	99.9	10.8	155	57.5	14.1	90.9	

Qualifiers:
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b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710258
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103565

Sample ID: **ME0710258-09AMS** SampType: **MSD** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071012A**
Client ID: **ACS-GW-MW29-30** Batch ID: **R103565** TestNo: **SW8260B** Analysis Date: **10/12/2007 1:16:00 PM** SeqNo: **1638292**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	48.95	5.0	50	0	97.9	60.1	136	49.9	1.92	27.1	
1,1-Dichloroethane	42.75	5.0	50	0	85.5	68	119	48.7	13.0	14.2	
1,2-Dichloroethane	50.6	5.0	50	0	101	67.7	133	51.4	1.57	23.3	
1,1-Dichloroethene	35.35	5.0	50	0	70.7	50.1	125	47.15	28.6	31	
trans-1,2-Dichloroethene	39.9	5.0	50	0	79.8	56.9	132	48.5	19.5	66.1	
1,2-Dichloropropane	46.2	5.0	50	0	92.4	71.4	125	48.7	5.27	26	
cis-1,3-Dichloropropene	45.7	5.0	50	0	91.4	66.9	134	46.85	2.49	28.7	
trans-1,3-Dichloropropene	48.4	5.0	50	0	96.8	69.9	130	48.75	0.721	27.9	
Ethylbenzene	39.7	5.0	50	0	79.4	60.6	144	46.85	16.5	25.2	
Methylene chloride	55.35	10	50	0	111	55.4	130	56.7	2.41	28.7	
1,1,2,2-Tetrachloroethane	53.4	5.0	50	0	107	46.8	168	52.25	2.18	22.3	
Tetrachloroethene	37.55	5.0	50	0	75.1	60.1	144	48.25	24.9	29.7	
Toluene	41.05	5.0	50	0	82.1	69.7	130	47.35	14.3	25.4	
1,1,1-Trichloroethane	37.8	5.0	50	0	75.6	63	136	48.1	24.0	29	
1,1,2-Trichloroethane	52.55	5.0	50	0	105	40.6	165	52.1	0.860	25.9	
Trichloroethene	39.1	5.0	50	0	78.2	48.6	139	46.7	17.7	26.9	
Vinyl chloride	43.3	10	50	0	86.6	33	151	50.1	14.6	31.2	
Surr: 4-Bromofluorobenzene	51.2	0	50	0	102	74.3	123	0	0	0	
Surr: Dibromofluoromethane	54.2	0	50	0	108	84.9	118	0	0	0	
Surr: 1,2-Dichloroethane-d4	55.1	0	50	0	110	77.9	126	0	0	0	
Surr: Toluene-d8	51.3	0	50	0	103	80.8	118	0	0	0	

Qualifiers:
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CLIENT: MWH, Inc.
Work Order: ME0710258
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103604

Sample ID: **MBLK W-25 10/11/0** SampType: **MBLK** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011B**

Client ID: **ZZZZZ** Batch ID: **R103604** TestNo: **SW8260B** Analysis Date: **10/11/2007 6:40:00 PM** SeqNo: **1638237**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	0	5.0									
Benzene	0	1.0									
Bromodichloromethane	0	1.0									
Bromoform	0	1.0									
Bromomethane	0	2.0									
2-Butanone	0	2.0									
Carbon Disulfide	0	2.0									
Carbon tetrachloride	0	1.0									
Chlorobenzene	0	1.0									
Chloroethane	0	2.0									
Chloroform	0	1.0									
Chloromethane	0	2.0									
Dibromochloromethane	0	1.0									
1,1-Dichloroethane	0	1.0									
1,2-Dichloroethane	0	1.0									
1,1-Dichloroethene	0	1.0									
cis-1,2-Dichloroethene	0	1.0									
trans-1,2-Dichloroethene	0	1.0									
1,2-Dichloropropane	0	1.0									
cis-1,3-Dichloropropene	0	1.0									
trans-1,3-Dichloropropene	0	1.0									
Ethylbenzene	0	1.0									
2-Hexanone	0	2.0									
4-Methyl-2-Pentanone	0	1.0									
Methylene chloride	0	2.0									
Styrene	0	1.0									
1,1,2,2-Tetrachloroethane	0	1.0									
Tetrachloroethene	0	1.0									
Toluene	0	1.0									
1,1,1-Trichloroethane	0	1.0									
1,1,2-Trichloroethane	0	1.0									

Qualifiers:

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R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank

b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710258
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103604

Sample ID: **MBLK W-25 10/11/0** SampType: **MBLK** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011B**
Client ID: **ZZZZZ** Batch ID: **R103604** TestNo: **SW8260B** Analysis Date: **10/11/2007 6:40:00 PM** SeqNo: **1638237**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	0	1.0									
Vinyl chloride	0	2.0									
Total Xylenes	0	1.0									
Surr: 4-Bromofluorobenzene	9.13	0	10	0	91.3	74.3	123	0	0		
Surr: Dibromofluoromethane	10.46	0	10	0	105	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	10.78	0	10	0	108	77.9	126	0	0		
Surr: Toluene-d8	10.24	0	10	0	102	80.8	118	0	0		

Sample ID: **LCS W-10 PPB** SampType: **LCS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011B**
Client ID: **ZZZZZ** Batch ID: **R103604** TestNo: **SW8260B** Analysis Date: **10/11/2007 7:12:00 PM** SeqNo: **1638238**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	10.44	1.0	10	0	104	75.4	121	0	0		
Bromodichloromethane	10.14	1.0	10	0	101	69.4	121	0	0		
Bromoform	11.02	1.0	10	0	110	60	131	0	0		
Carbon tetrachloride	10.34	1.0	10	0	103	65.5	134	0	0		
Chlorobenzene	10.45	1.0	10	0	104	81.1	120	0	0		
Chloroform	10.61	1.0	10	0	106	74.1	123	0	0		
Chloromethane	12.84	2.0	10	0	128	22.5	147	0	0		
Dibromochloromethane	10.5	1.0	10	0	105	68.6	123	0	0		
1,1-Dichloroethane	10.42	1.0	10	0	104	77	132	0	0		
1,2-Dichloroethane	10.76	1.0	10	0	108	68	127	0	0		
1,1-Dichloroethene	10.27	1.0	10	0	103	47.5	153	0	0		
trans-1,2-Dichloroethene	10.31	1.0	10	0	103	64.5	143	0	0		
1,2-Dichloropropane	10.39	1.0	10	0	104	74.4	126	0	0		
cis-1,3-Dichloropropene	10.51	1.0	10	0	105	69.1	126	0	0		
trans-1,3-Dichloropropene	10.46	1.0	10	0	105	71.8	131	0	0		
Ethylbenzene	10.15	1.0	10	0	102	73.6	125	0	0		
Methylene chloride	11.43	2.0	10	0	114	37.6	135	0	0		
1,1,2,2-Tetrachloroethane	10.6	1.0	10	0	106	69.8	123	0	0		
Tetrachloroethene	10.32	1.0	10	0	103	70.1	134	0	0		

Qualifiers:
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R - RPD outside accepted recovery limits
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b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710258
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103604

Sample ID: **LCS W-10 PPB** SampType: **LCS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011B**
Client ID: **ZZZZZ** Batch ID: **R103604** TestNo: **SW8260B** Analysis Date: **10/11/2007 7:12:00 PM** SeqNo: **1638238**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	10.12	1.0	10	0	101	76.4	123	0	0		
1,1,1-Trichloroethane	10.27	1.0	10	0	103	70.8	131	0	0		
1,1,2-Trichloroethane	11.13	1.0	10	0	111	67.6	127	0	0		
Trichloroethene	10.25	1.0	10	0	103	69.9	127	0	0		
Vinyl chloride	11.29	2.0	10	0	113	37.1	149	0	0		
Surr: 4-Bromofluorobenzene	10.28	0	10	0	103	74.3	123	0	0		
Surr: Dibromofluoromethane	10.74	0	10	0	107	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	10.71	0	10	0	107	77.9	126	0	0		
Surr: Toluene-d8	10.36	0	10	0	104	80.8	118	0	0		

Sample ID: **ME0710258-05AMS** SampType: **MS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011B**
Client ID: **ACS-GW-DUP03-30** Batch ID: **R103604** TestNo: **SW8260B** Analysis Date: **10/11/2007 8:52:00 PM** SeqNo: **1638240**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	52.95	5.0	50	0	106	60.6	130	0	0		
Bromodichloromethane	51.9	5.0	50	0	104	65.8	126	0	0		
Bromoform	56.1	5.0	50	0	112	40.5	146	0	0		
Bromomethane	44.25	10	50	0	88.5	0	243	0	0		
Carbon tetrachloride	53.6	5.0	50	0	107	47.2	149	0	0		
Chlorobenzene	53.05	5.0	50	0	106	75.6	127	0	0		
Chloroethane	96.9	10	50	50.15	93.5	0	357	0	0		
Chloroform	53.3	5.0	50	0	107	71.2	120	0	0		
Chloromethane	66.75	10	50	0	134	10.8	155	0	0		
Dibromochloromethane	53.2	5.0	50	0	106	60.1	136	0	0		
1,1-Dichloroethane	52.6	5.0	50	0	105	68	119	0	0		
1,2-Dichloroethane	54.2	5.0	50	0	108	67.7	133	0	0		
1,1-Dichloroethene	52.45	5.0	50	0	105	50.1	125	0	0		
trans-1,2-Dichloroethene	52.35	5.0	50	0	105	56.9	132	0	0		
1,2-Dichloropropane	52.7	5.0	50	0	105	71.4	125	0	0		
cis-1,3-Dichloropropene	51.9	5.0	50	0	104	66.9	134	0	0		
trans-1,3-Dichloropropene	54.05	5.0	50	0	108	69.9	130	0	0		

Qualifiers:
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R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710258
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103604

Sample ID: **ME0710258-05AMS** SampType: **MS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011B**
Client ID: **ACS-GW-DUP03-30** Batch ID: **R103604** TestNo: **SW8260B** Analysis Date: **10/11/2007 8:52:00 PM** SeqNo: **1638240**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	51.45	5.0	50	0	103	60.6	144	0	0		
Methylene chloride	57.45	10	50	0	115	55.4	130	0	0		
1,1,2,2-Tetrachloroethane	56.4	5.0	50	0	113	46.8	168	0	0		
Tetrachloroethene	52.85	5.0	50	0	106	60.1	144	0	0		
Toluene	51.3	5.0	50	0	103	69.7	130	0	0		
1,1,1-Trichloroethane	53.4	5.0	50	0	107	63	136	0	0		
1,1,2-Trichloroethane	56.25	5.0	50	0	112	40.6	165	0	0		
Trichloroethene	51	5.0	50	0	102	48.6	139	0	0		
Vinyl chloride	57.6	10	50	0	115	33	151	0	0		
Surr: 4-Bromofluorobenzene	51.75	0	50	0	104	74.3	123	0	0		
Surr: Dibromofluoromethane	54.05	0	50	0	108	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	54.05	0	50	0	108	77.9	126	0	0		
Surr: Toluene-d8	51.75	0	50	0	104	80.8	118	0	0		

Sample ID: **ME0710258-05AMS** SampType: **MSD** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011B**
Client ID: **ACS-GW-DUP03-30** Batch ID: **R103604** TestNo: **SW8260B** Analysis Date: **10/11/2007 9:24:00 PM** SeqNo: **1638241**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	53.15	5.0	50	0	106	60.6	130	52.95	0.377	23.7	
Bromodichloromethane	52.3	5.0	50	0	105	65.8	126	51.9	0.768	28.4	
Bromoform	56.65	5.0	50	0	113	40.5	146	56.1	0.976	28.8	
Bromomethane	45.5	10	50	0	91	0	243	44.25	2.79	52.8	
Carbon tetrachloride	54.45	5.0	50	0	109	47.2	149	53.6	1.57	31.1	
Chlorobenzene	53.15	5.0	50	0	106	75.6	127	53.05	0.188	23	
Chloroethane	94.6	10	50	50.15	88.9	0	357	96.9	2.40	29.3	
Chloroform	53.65	5.0	50	0	107	71.2	120	53.3	0.655	25	
Chloromethane	64.85	10	50	0	130	10.8	155	66.75	2.89	90.9	
Dibromochloromethane	53.85	5.0	50	0	108	60.1	136	53.2	1.21	27.1	
1,1-Dichloroethane	53.5	5.0	50	0	107	68	119	52.6	1.70	14.2	
1,2-Dichloroethane	54.05	5.0	50	0	108	67.7	133	54.2	0.277	23.3	
1,1-Dichloroethene	52.65	5.0	50	0	105	50.1	125	52.45	0.381	31	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank
H - Analyte was prepared and/or analyzed outside of the analytical method holding time

CLIENT: MWH, Inc.
Work Order: ME0710258
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103604

Sample ID: **ME0710258-05AMS** SampType: **MSD** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071011B**
Client ID: **ACS-GW-DUP03-30** Batch ID: **R103604** TestNo: **SW8260B** Analysis Date: **10/11/2007 9:24:00 PM** SeqNo: **1638241**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	53.35	5.0	50	0	107	56.9	132	52.35	1.89	66.1	
1,2-Dichloropropane	53.05	5.0	50	0	106	71.4	125	52.7	0.662	26	
cis-1,3-Dichloropropene	52.35	5.0	50	0	105	66.9	134	51.9	0.863	28.7	
trans-1,3-Dichloropropene	54.1	5.0	50	0	108	69.9	130	54.05	0.0925	27.9	
Ethylbenzene	51.1	5.0	50	0	102	60.6	144	51.45	0.683	25.2	
Methylene chloride	57.4	10	50	0	115	55.4	130	57.45	0.0871	28.7	
1,1,2,2-Tetrachloroethane	57.55	5.0	50	0	115	46.8	168	56.4	2.02	22.3	
Tetrachloroethene	52.5	5.0	50	0	105	60.1	144	52.85	0.664	29.7	
Toluene	51.1	5.0	50	0	102	69.7	130	51.3	0.391	25.4	
1,1,1-Trichloroethane	53.65	5.0	50	0	107	63	136	53.4	0.467	29	
1,1,2-Trichloroethane	56.2	5.0	50	0	112	40.6	165	56.25	0.0889	25.9	
Trichloroethene	52.05	5.0	50	0	104	48.6	139	51	2.04	26.9	
Vinyl chloride	55.95	10	50	0	112	33	151	57.6	2.91	31.2	
Surr: 4-Bromofluorobenzene	51.65	0	50	0	103	74.3	123	0	0	0	
Surr: Dibromofluoromethane	54.05	0	50	0	108	84.9	118	0	0	0	
Surr: 1,2-Dichloroethane-d4	54.1	0	50	0	108	77.9	126	0	0	0	
Surr: Toluene-d8	51	0	50	0	102	80.8	118	0	0	0	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

VOA GC/MS
RAW DATA

METHOD BLANK RAW DATA

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101104.D
Acq On : 11 Oct 2007 8:30 am
Operator : NLT
Sample : ,MBLK,MBLK W-25 10/11/07,1,
Misc : 8260+_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 11 09:07:41 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	438010	10.00	ug/L	0.00
35) chlorobenzene-d5	12.108	117	286274	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.879	152	98167	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.684	113	87014	10.55	ug/L	0.00
Spiked Amount 10.000			Recovery =	105.50%		
26) 1,2-dichloroethane-d4	7.134	65	77638	10.81	ug/L	0.00
Spiked Amount 10.000			Recovery =	108.10%		
38) toluene-d8	9.804	98	425343	10.21	ug/L	0.00
Spiked Amount 10.000			Recovery =	102.10%		
56) 4-bromofluorobenzene	14.103	95	117157	9.22	ug/L	0.00
Spiked Amount 10.000			Recovery =	92.20%		

Target Compounds Qvalue

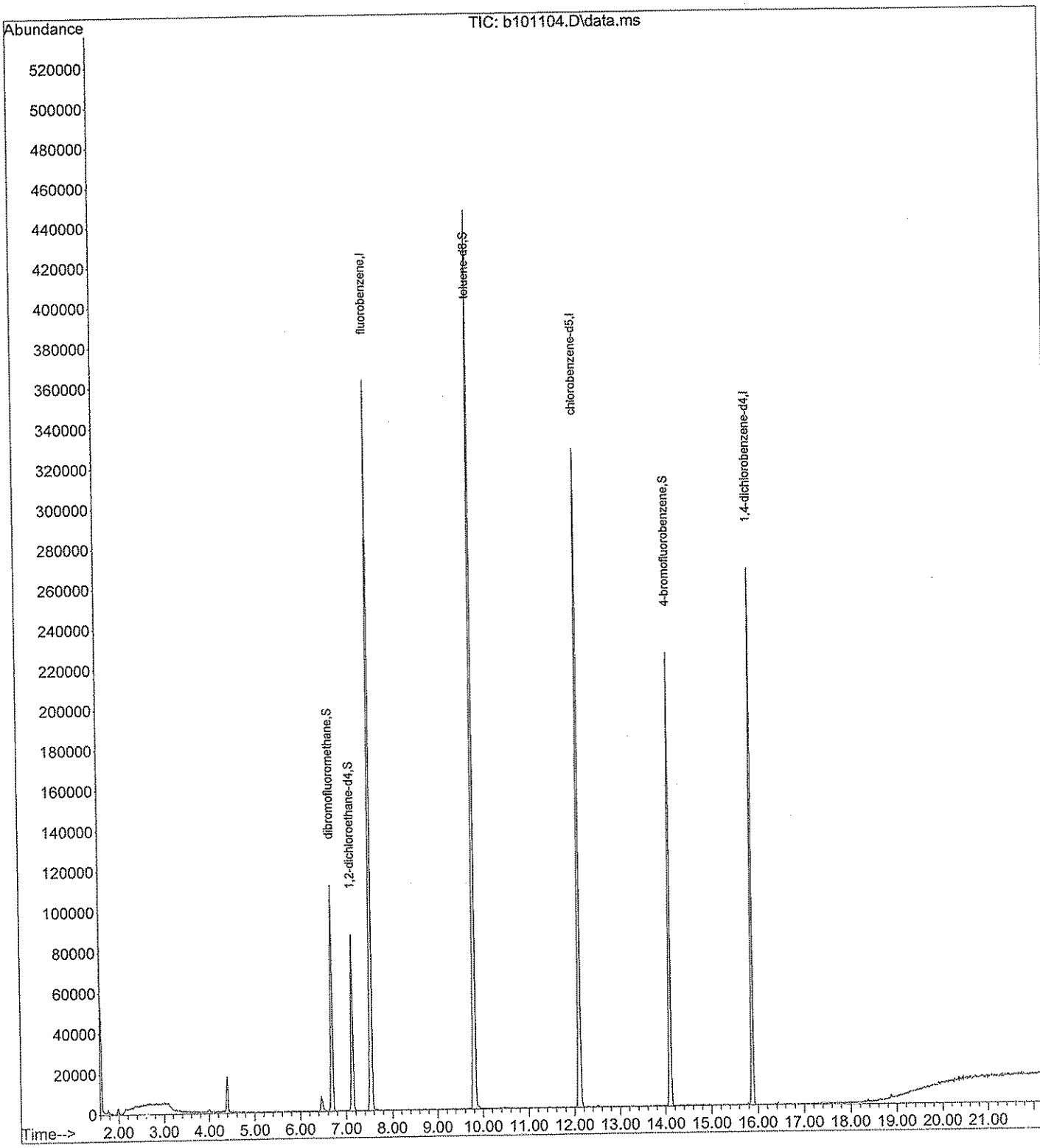
(#) = qualifier out of range (m) = manual integration (+) = signals summed

10/11/07
MS

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101104.D
Acq On : 11 Oct 2007 8:30 am
Operator : NLT
Sample : ,MBLK,MBLK W-25 10/11/07,1,
Misc : 8260+_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 11 09:07:41 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101122.D
Acq On : 11 Oct 2007 6:40 pm
Operator : NLT
Sample : ,MBLK,MBLK W-25 10/11/07,1,
Misc : 8260_W25
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 19:23:00 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.538	96	450285	10.00	ug/L	0.00
35) chlorobenzene-d5	12.105	117	292909	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.876	152	98435	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.687	113	88657	10.46	ug/L	0.00
Spiked Amount 10.000			Recovery = 104.60%			
26) 1,2-dichloroethane-d4	7.131	65	79578	10.78	ug/L	0.00
Spiked Amount 10.000			Recovery = 107.80%			
38) toluene-d8	9.801	98	436770	10.24	ug/L	0.00
Spiked Amount 10.000			Recovery = 102.40%			
56) 4-bromofluorobenzene	14.106	95	118649	9.13	ug/L	0.00
Spiked Amount 10.000			Recovery = 91.30%			
Target Compounds						Qvalue

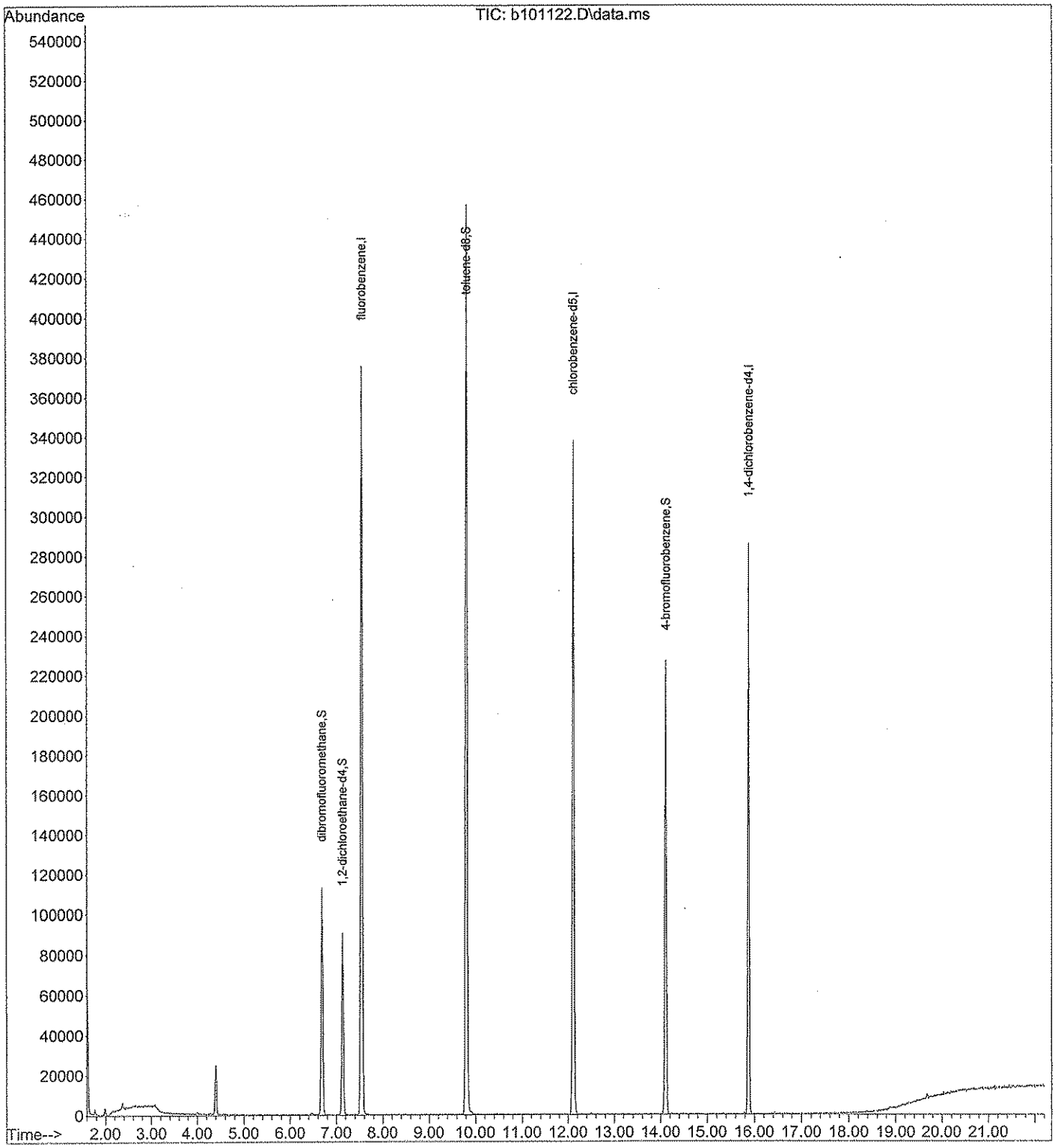
(#) = qualifier out of range (m) = manual integration (+) = signals summed

10/11/7

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101122.D
Acq On : 11 Oct 2007 6:40 pm
Operator : NLT
Sample : ,MBLK,MBLK W-25 10/11/07,1,
Misc : 8260_W25
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 19:23:00 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101207\
Data File : b101205.D
Acq On : 12 Oct 2007 9:05 am
Operator : NLT
Sample : ,MBLK,MBLK W-25 10/12/07,1,
Misc : 8260+_W25
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 12 09:31:37 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.540	96	440562	10.00	ug/L	0.00
35) chlorobenzene-d5	12.101	117	284673	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.878	152	95586	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.683	113	86819	10.47	ug/L	0.00
Spiked Amount 10.000			Recovery =	104.70%		
26) 1,2-dichloroethane-d4	7.127	65	77123	10.68	ug/L	0.00
Spiked Amount 10.000			Recovery =	106.80%		
38) toluene-d8	9.803	98	425305	10.26	ug/L	0.00
Spiked Amount 10.000			Recovery =	102.60%		
56) 4-bromofluorobenzene	14.096	95	115699	9.16	ug/L	0.00
Spiked Amount 10.000			Recovery =	91.60%		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

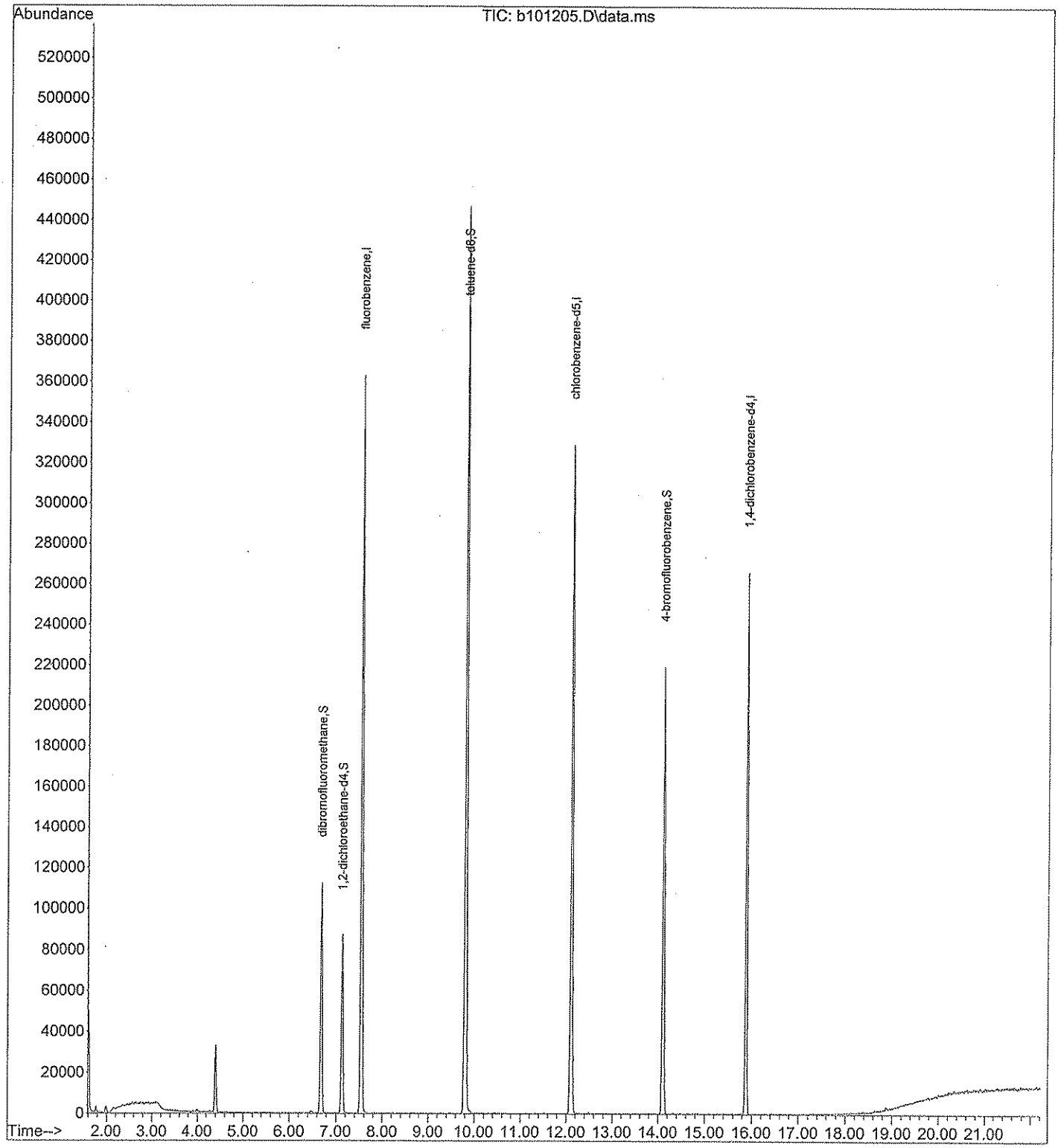
10/12/07 NLT

10/16/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101207\
Data File : b101205.D
Acq On : 12 Oct 2007 9:05 am
Operator : NLT
Sample : ,MBLK,MBLK W-25 10/12/07,1,
Misc : 8260+_W25
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 12 09:31:37 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



LABORATORY CONTROL SAMPLE RAW DATA

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101105.D
Acq On : 11 Oct 2007 9:01 am
Operator : NLT
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260+_W25
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 11 09:31:41 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

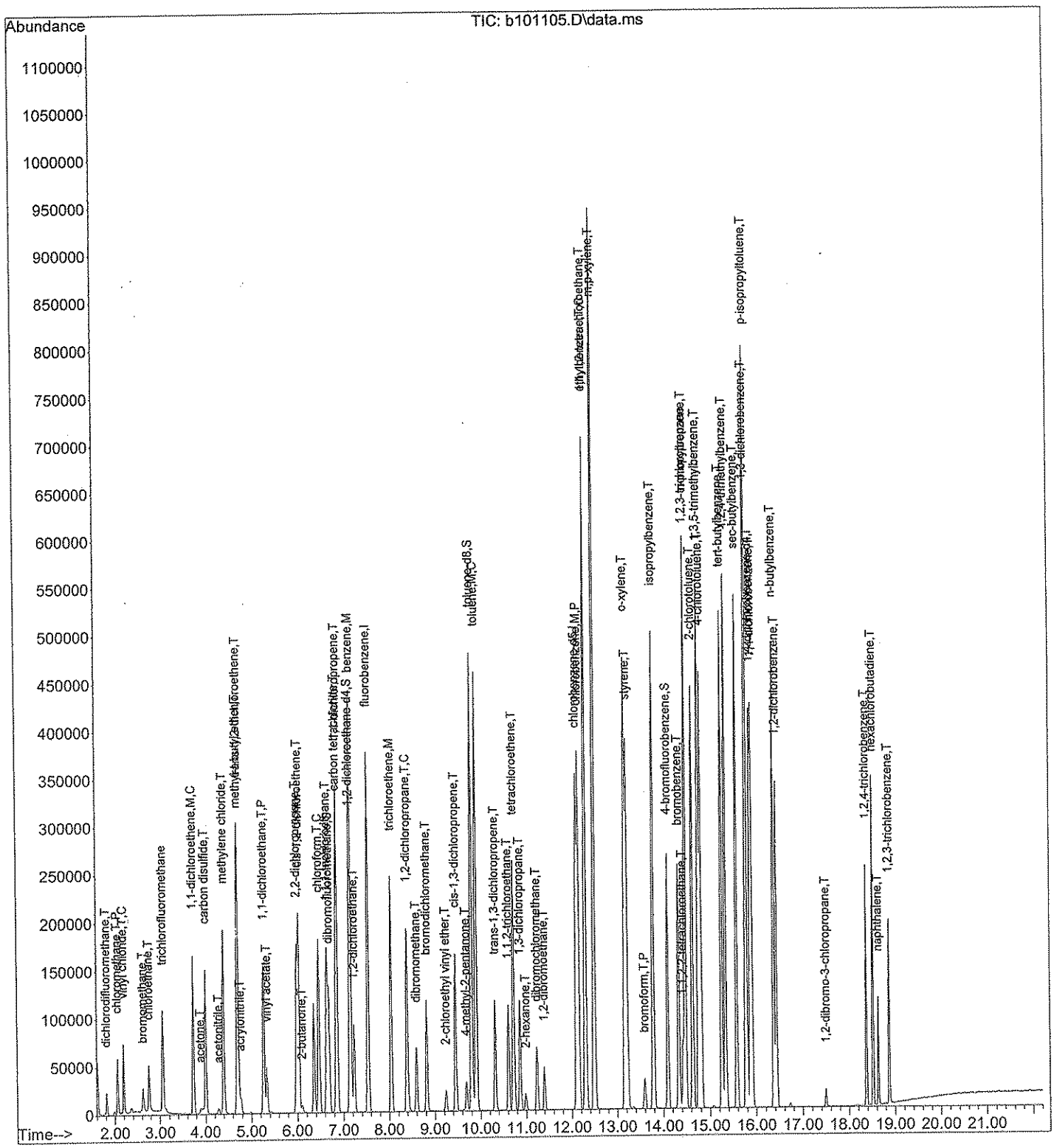
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.538	96	444589	10.00	ug/L	0.00
35) chlorobenzene-d5	12.105	117	296530	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.875	152	141497	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.686	113	91571	10.94	ug/L	0.00
Spiked Amount 10.000			Recovery =	109.40%		
26) 1,2-dichloroethane-d4	7.130	65	79060	10.84	ug/L	0.00
Spiked Amount 10.000			Recovery =	108.40%		
38) toluene-d8	9.800	98	444759	10.30	ug/L	0.00
Spiked Amount 10.000			Recovery =	103.00%		
56) 4-bromofluorobenzene	14.093	95	135948	10.33	ug/L	0.00
Spiked Amount 10.000			Recovery =	103.30%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.809	85	23010	3.42	ug/L	99
3) chloromethane	2.058	50	71691	6.07	ug/L	99
4) vinyl chloride	2.192	62	71895	5.82	ug/L	98
5) bromomethane	2.624	94	18646	4.66	ug/L	95
6) chloroethane	2.758	64	49662	6.82	ug/L	100
7) trichlorofluoromethane	3.062	101	104376	7.61	ug/L #	99
9) 1,1-dichloroethene	3.731	96	73859	6.85	ug/L	96
10) acetone	3.895	43	9747	9.09	ug/L	98
11) carbon disulfide	3.998	76	233266	6.96	ug/L	100
12) methylene chloride	4.400	84	102705	8.36	ug/L	98
13) acrylonitrile	4.764	53	14451	13.01	ug/L	92
14) trans-1,2-dichloroethene	4.710	96	101413	8.24	ug/L	97
15) methyl-t-butyl ether	4.698	73	140829	9.16	ug/L	96
16) acetonitrile	4.290	41	6375	12.76	ug/L	93
17) 1,1-dichloroethane	5.269	63	196789	8.85	ug/L	98
18) vinyl acetate	5.336	43	85100	13.49	ug/L	98
19) cis-1,2-dichloroethene	6.029	96	108960	8.51	ug/L	98
20) 2,2-dichloropropane	5.993	77	151229	8.66	ug/L	100
21) 2-butanone	6.102	72	3202	10.15	ug/L	94
22) chloroform	6.467	83	180451	9.46	ug/L	97
24) 1,1,1-trichloroethane	6.644	97	154930	8.94	ug/L	100
25) carbon tetrachloride	6.844	117	127469	8.95	ug/L	97
27) benzene	7.154	78	446947	8.84	ug/L	99
28) 1,1-dichloropropene	6.856	75	140151	8.61	ug/L	100
29) 1,2-dichloroethane	7.233	62	93437	9.51	ug/L	97
30) trichloroethene	8.042	95	106891	8.73	ug/L	96
31) 1,2-dichloropropane	8.389	63	103216	9.22	ug/L	96
32) dibromomethane	8.596	93	33643	9.44	ug/L	98
33) bromodichloromethane	8.821	83	103033	8.96	ug/L	100
34) 2-chloroethyl vinyl ether	9.240	63	12445	7.56	ug/L	98
36) cis-1,3-dichloropropene	9.453	75	126529	9.42	ug/L	97
37) 4-methyl-2-pentanone	9.684	43	31730	9.90	ug/L	93
39) toluene	9.903	92	290238	8.93	ug/L	98
40) 1,1,2-trichloroethane	10.609	83	43296	9.54	ug/L	97
41) 1,3-dichloropropane	10.864	76	96222	9.34	ug/L	100
42) tetrachloroethene	10.724	164	94513	9.28	ug/L	98
43) trans-1,3-dichloropropene	10.317	75	88614	10.08	ug/L	99
44) 2-hexanone	10.992	43	18021	9.34	ug/L	91

10/11/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101105.D
Acq On : 11 Oct 2007 9:01 am
Operator : NLT
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260+_W25
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 11 09:31:41 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101123.D
Acq On : 11 Oct 2007 7:12 pm
Operator : NLT
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 11 19:56:43 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.537	96	444830	10.00	ug/L		0.00
35) chlorobenzene-d5	12.104	117	297465	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.869	152	141988	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.686	113	89942	10.74	ug/L		0.00
Spiked Amount 10.000			Recovery =	107.40%			
26) 1,2-dichloroethane-d4	7.130	65	78151	10.71	ug/L		0.00
Spiked Amount 10.000			Recovery =	107.10%			
38) toluene-d8	9.800	98	448562	10.36	ug/L		0.00
Spiked Amount 10.000			Recovery =	103.60%			
56) 4-bromofluorobenzene	14.093	95	135757	10.28	ug/L		0.00
Spiked Amount 10.000			Recovery =	102.80%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.815	85	101521	15.10	ug/L		99
3) chloromethane	2.058	50	151633	12.84	ug/L		98
4) vinyl chloride	2.198	62	139685	11.29	ug/L		98
5) bromomethane	2.624	94	33000	8.24	ug/L		96
6) chloroethane	2.757	64	75543	10.36	ug/L		99
7) trichlorofluoromethane	3.061	101	155414	11.33	ug/L	#	100
9) 1,1-dichloroethene	3.736	96	110741	10.27	ug/L		95
10) acetone	3.895	43	13930	12.99	ug/L		89
11) carbon disulfide	4.004	76	263821	7.86	ug/L		100
12) methylene chloride	4.399	84	140495	11.43	ug/L		96
13) acrylonitrile	4.770	53	15310	13.77	ug/L		96
14) trans-1,2-dichloroethene	4.709	96	126907	10.31	ug/L		96
15) methyl-t-butyl ether	4.691	73	159499	10.37	ug/L		98
16) acetonitrile	4.284	41	6614	13.23	ug/L		88
17) 1,1-dichloroethane	5.269	63	231821	10.42	ug/L		99
18) vinyl acetate	5.336	43	88337	14.00	ug/L		98
19) cis-1,2-dichloroethene	6.029	96	130856	10.21	ug/L		98
20) 2,2-dichloropropane	5.993	77	168325	9.64	ug/L		99
21) 2-butanone	6.108	72	3422	10.85	ug/L	#	89
22) chloroform	6.467	83	202613	10.61	ug/L		99
24) 1,1,1-trichloroethane	6.643	97	178055	10.27	ug/L		100
25) carbon tetrachloride	6.844	117	147316	10.34	ug/L		99
27) benzene	7.148	78	528116	10.44	ug/L		99
28) 1,1-dichloropropene	6.862	75	160595	9.86	ug/L		100
29) 1,2-dichloroethane	7.233	62	105798	10.76	ug/L		99
30) trichloroethene	8.042	95	125542	10.25	ug/L		97
31) 1,2-dichloropropane	8.389	63	116355	10.39	ug/L		99
32) dibromomethane	8.595	93	37804	10.60	ug/L		95
33) bromodichloromethane	8.820	83	116757	10.14	ug/L		99
34) 2-chloroethyl vinyl ether	9.240	63	14612	8.87	ug/L		99
36) cis-1,3-dichloropropene	9.453	75	141649	10.51	ug/L		99
37) 4-methyl-2-pentanone	9.684	43	32899	10.24	ug/L		97
39) toluene	9.903	92	329851	10.12	ug/L		99
40) 1,1,2-trichloroethane	10.608	83	50682	11.13	ug/L		95
41) 1,3-dichloropropane	10.864	76	109509	10.60	ug/L		100
42) tetrachloroethene	10.724	164	105398	10.32	ug/L		99
43) trans-1,3-dichloropropene	10.323	75	92248	10.46	ug/L		99
44) 2-hexanone	10.985	43	19449	10.05	ug/L		96

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101123.D
Acq On : 11 Oct 2007 7:12 pm
Operator : NLT
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 11 19:56:43 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

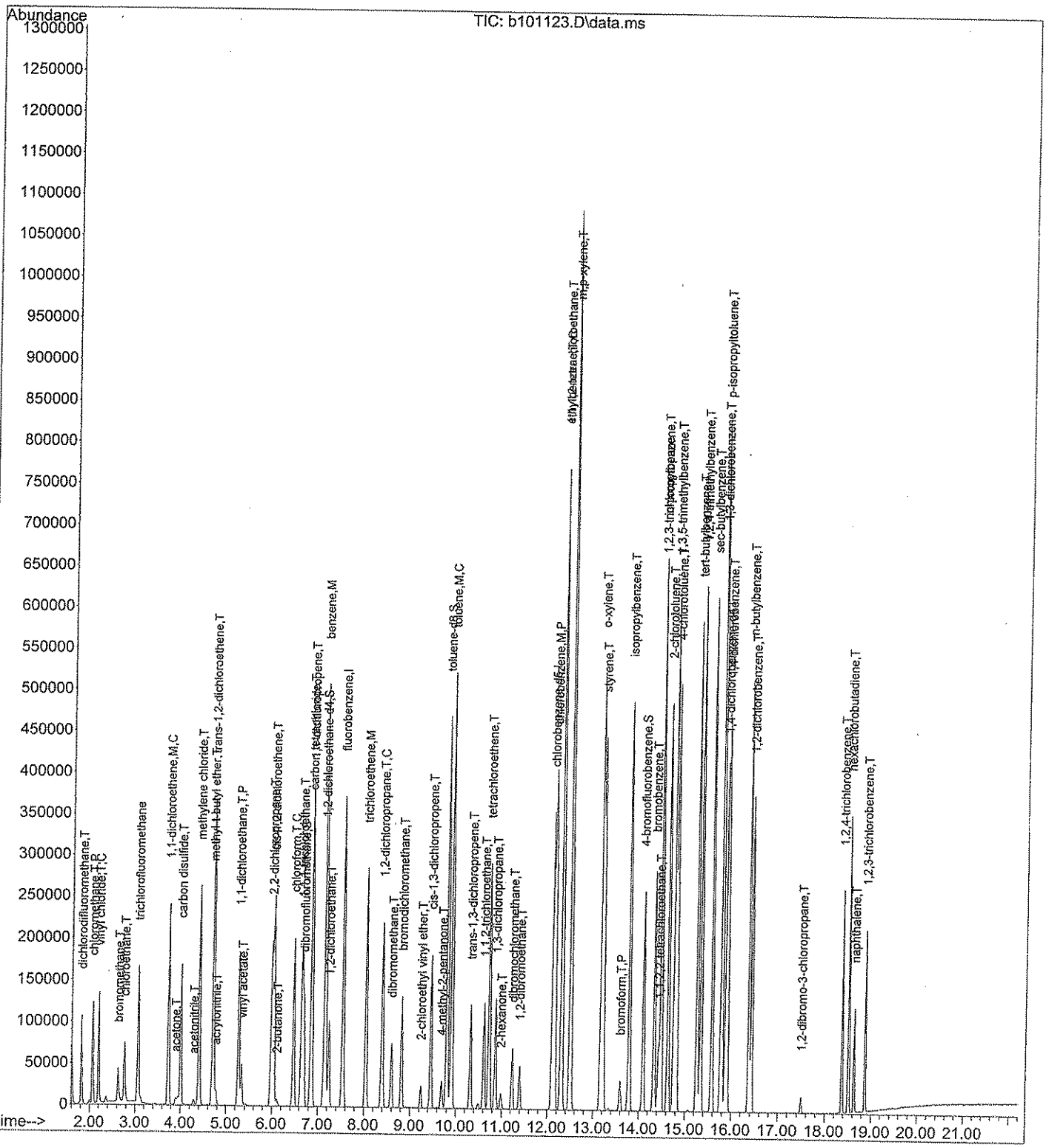
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45)	dibromochloromethane	11.235	129	57792	10.50	ug/L	98
46)	1,2-dibromoethane	11.393	107	51593	10.88	ug/L	100
47)	chlorobenzene	12.147	112	335805	10.45	ug/L	100
48)	1,1,1,2-tetrachloroethane	12.299	131	100066	10.85	ug/L	100
49)	ethylbenzene	12.299	91	606713	10.15	ug/L	99
50)	m,p-xylene	12.494	106	497666	20.43	ug/L	99
51)	o-xylene	13.169	106	227744	10.17	ug/L	99
52)	styrene	13.211	104	343795	10.59	ug/L	99
53)	isopropylbenzene	13.783	105	523438	10.29	ug/L	100
54)	bromobenzene	14.336	156	120531	10.78	ug/L	97
55)	bromoform	13.594	173	26792	11.02	ug/L	95
57)	1,2,3-trichloropropane	14.470	110	17757	11.34	ug/L	100
58)	n-propylbenzene	14.476	91	678863	10.36	ug/L	99
59)	2-chlorotoluene	14.634	91	410135	10.49	ug/L	99
60)	4-chlorotoluene	14.811	91	463234	10.54	ug/L	99
61)	1,3,5-trimethylbenzene	14.762	105	490159	10.42	ug/L	100
63)	1,1,2,2-tetrachloroethane	14.427	83	54333	10.60	ug/L	100
64)	tert-butylbenzene	15.254	119	402192	9.55	ug/L	100
65)	sec-butylbenzene	15.577	105	592637	9.70	ug/L	100
66)	1,2,4-trimethylbenzene	15.334	105	484095	9.66	ug/L	100
67)	1,3-dichlorobenzene	15.771	146	245716	10.17	ug/L	100
68)	p-isopropyltoluene	15.790	119	469304	9.71	ug/L	99
69)	1,4-dichlorobenzene	15.905	146	237978	10.17	ug/L	100
70)	1,2-dichlorobenzene	16.434	146	201363	10.46	ug/L	98
71)	n-butylbenzene	16.367	91	357065	9.44	ug/L	99
72)	1,2-dibromo-3-chloropr...	17.492	75	5579	9.95	ug/L	98
73)	1,2,4-trichlorobenzene	18.374	180	88308	10.49	ug/L	99
74)	hexachlorobutadiene	18.514	225	73053	9.68	ug/L	98
75)	naphthalene	18.636	128	99521	9.71	ug/L	100
76)	1,2,3-trichlorobenzene	18.873	180	66627	11.68	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101123.D
Acq On : 11 Oct 2007 7:12 pm
Operator : NLT
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 11 19:56:43 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101207\
Data File : b101206.D
Acq On : 12 Oct 2007 9:37 am
Operator : NLT
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260+_W25
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 12 10:00:54 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.538	96	447455	10.00	ug/L		0.00
35) chlorobenzene-d5	12.105	117	293876	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.875	152	139313	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.686	113	91143	10.82	ug/L		0.00
Spiked Amount 10.000			Recovery = 108.20%				
26) 1,2-dichloroethane-d4	7.130	65	78900	10.75	ug/L		0.00
Spiked Amount 10.000			Recovery = 107.50%				
38) toluene-d8	9.800	98	445319	10.41	ug/L		0.00
Spiked Amount 10.000			Recovery = 104.10%				
56) 4-bromofluorobenzene	14.093	95	133703	10.25	ug/L		0.00
Spiked Amount 10.000			Recovery = 102.50%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.809	85	92120	13.62	ug/L		100
3) chloromethane	2.058	50	137107	11.54	ug/L		99
4) vinyl chloride	2.192	62	128841	10.35	ug/L		98
5) bromomethane	2.624	94	25428	6.31	ug/L		98
6) chloroethane	2.758	64	72041	9.82	ug/L		96
7) trichlorofluoromethane	3.062	101	152150	11.02	ug/L	#	99
9) 1,1-dichloroethene	3.731	96	103185	9.51	ug/L		99
10) acetone	3.895	43	11528	10.69	ug/L		90
11) carbon disulfide	3.998	76	235711	6.98	ug/L		99
12) methylene chloride	4.400	84	136640	11.05	ug/L		99
13) acrylonitrile	4.765	53	15574	13.93	ug/L		95
14) trans-1,2-dichloroethene	4.710	96	118552	9.57	ug/L		96
15) methyl-t-butyl ether	4.698	73	148930	9.62	ug/L		97
16) acetonitrile	4.284	41	6613	13.15	ug/L		97
17) 1,1-dichloroethane	5.263	63	217878	9.74	ug/L		100
18) vinyl acetate	5.336	43	87450	13.78	ug/L		99
19) cis-1,2-dichloroethene	6.030	96	122846	9.53	ug/L		98
20) 2,2-dichloropropane	5.987	77	167380	9.53	ug/L		99
21) 2-butanone	6.096	72	3210	10.11	ug/L		98
22) chloroform	6.461	83	191194	9.96	ug/L		99
24) 1,1,1-trichloroethane	6.638	97	168799	9.68	ug/L		97
25) carbon tetrachloride	6.844	117	137864	9.62	ug/L		98
27) benzene	7.149	78	498549	9.80	ug/L		99
28) 1,1-dichloropropene	6.863	75	151702	9.26	ug/L		100
29) 1,2-dichloroethane	7.234	62	102384	10.35	ug/L		99
30) trichloroethene	8.043	95	114908	9.33	ug/L		98
31) 1,2-dichloropropane	8.389	63	110806	9.83	ug/L		96
32) dibromomethane	8.590	93	37130	10.35	ug/L		96
33) bromodichloromethane	8.821	83	111158	9.60	ug/L		97
34) 2-chloroethyl vinyl ether	9.234	63	13583	8.20	ug/L		98
36) cis-1,3-dichloropropene	9.453	75	133840	10.05	ug/L		99
37) 4-methyl-2-pentanone	9.684	43	32151	10.13	ug/L		94
39) toluene	9.897	92	309843	9.62	ug/L		98
40) 1,1,2-trichloroethane	10.609	83	47689	10.60	ug/L		100
41) 1,3-dichloropropane	10.864	76	105664	10.35	ug/L		99
42) tetrachloroethene	10.724	164	98909	9.80	ug/L		97
43) trans-1,3-dichloropropene	10.317	75	88695	10.18	ug/L		99
44) 2-hexanone	10.986	43	18925	9.90	ug/L		93

10/12/07 MG

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101207\
Data File : b101206.D
Acq On : 12 Oct 2007 9:37 am
Operator : NLT
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260+_W25
ALS Vial : 6 Sample Multiplier: 1

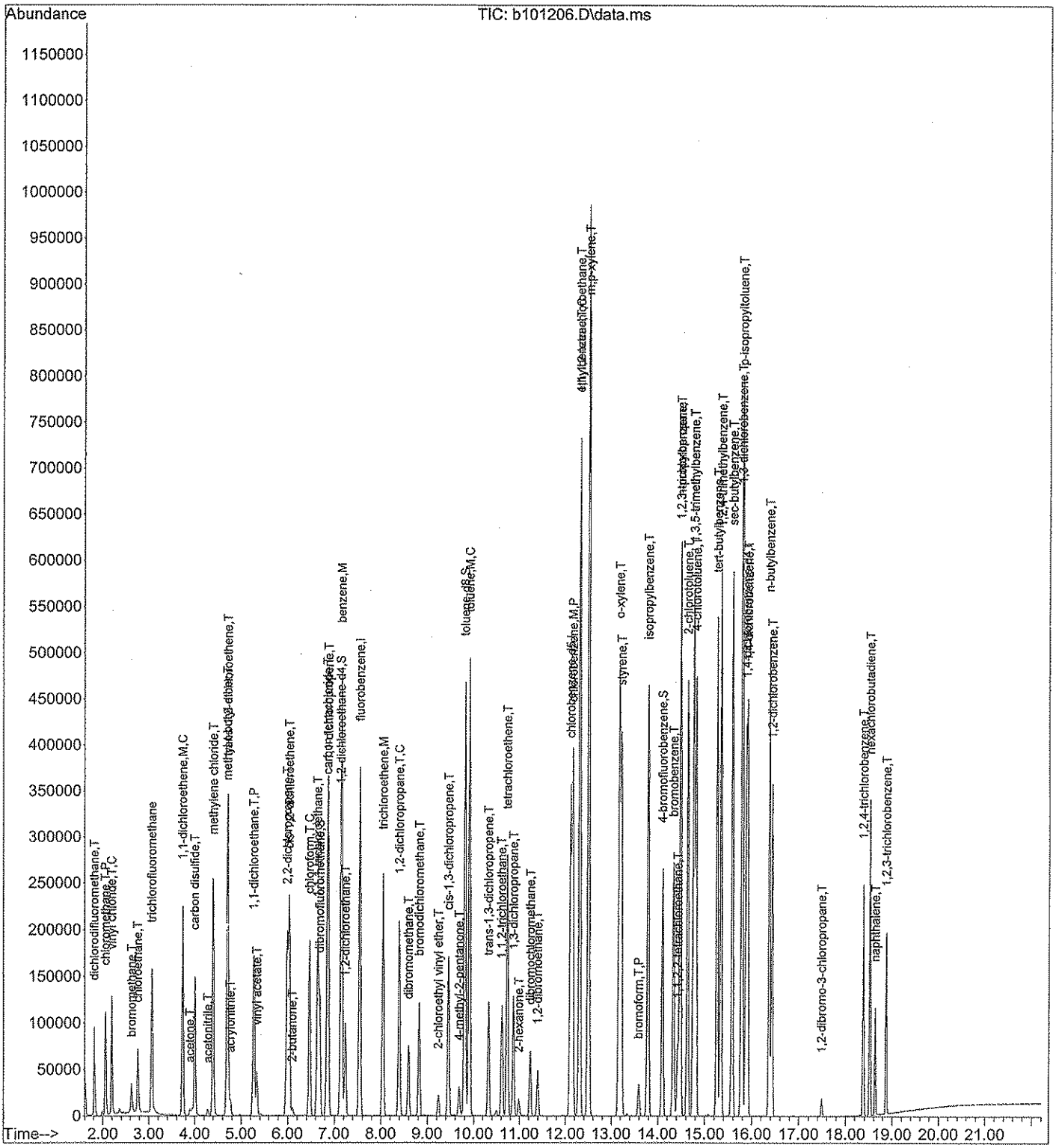
Quant Time: Oct 12 10:00:54 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) dibromochloromethane	11.235	129	55252	10.16 ug/L	99
46) 1,2-dibromoethane	11.393	107	49175	10.50 ug/L	99
47) chlorobenzene	12.147	112	320346	10.09 ug/L	99
48) 1,1,1,2-tetrachloroethane	12.299	131	94761	10.40 ug/L	100
49) ethylbenzene	12.299	91	567062	9.60 ug/L	99
50) m,p-xylene	12.494	106	466494	19.38 ug/L	99
51) o-xylene	13.169	106	212794	9.62 ug/L	100
52) styrene	13.212	104	321983	10.04 ug/L	99
53) isopropylbenzene	13.783	105	484681	9.64 ug/L	100
54) bromobenzene	14.331	156	113337	10.26 ug/L	97
55) bromoform	13.589	173	25724	10.71 ug/L	97
57) 1,2,3-trichloropropane	14.470	110	16943	10.96 ug/L	91
58) n-propylbenzene	14.477	91	641293	9.90 ug/L	100
59) 2-chlorotoluene	14.629	91	383642	9.93 ug/L	99
60) 4-chlorotoluene	14.811	91	438071	10.09 ug/L	99
61) 1,3,5-trimethylbenzene	14.762	105	457196	9.84 ug/L	100
63) 1,1,2,2-tetrachloroethane	14.422	83	53626	10.66 ug/L	97
64) tert-butylbenzene	15.255	119	373310	9.03 ug/L	100
65) sec-butylbenzene	15.577	105	558559	9.32 ug/L	100
66) 1,2,4-trimethylbenzene	15.334	105	455352	9.26 ug/L	100
67) 1,3-dichlorobenzene	15.772	146	234316	9.89 ug/L	99
68) p-isopropyltoluene	15.790	119	443108	9.34 ug/L	100
69) 1,4-dichlorobenzene	15.906	146	226951	9.88 ug/L	99
70) 1,2-dichlorobenzene	16.429	146	193176	10.23 ug/L	99
71) n-butylbenzene	16.368	91	342596	9.23 ug/L	97
72) 1,2-dibromo-3-chloropr...	17.487	75	5140	9.34 ug/L	96
73) 1,2,4-trichlorobenzene	18.375	180	82268	9.96 ug/L	97
74) hexachlorobutadiene	18.515	225	70621	9.54 ug/L	99
75) naphthalene	18.636	128	92138	9.17 ug/L	100
76) 1,2,3-trichlorobenzene	18.873	180	62018	11.08 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\msdchem\1\data\b101207\
Data File : b101206.D
Acq On : 12 Oct 2007 9:37 am
Operator : NLT
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260+_W25
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 12 10:00:54 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



MATRIX SPIKE/MATRIX SPIKE DUPLICATE RAW DATA

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101107.D
Acq On : 11 Oct 2007 10:25 am
Operator : NLT
Sample : ,SAMP,ME0710172-04A,1,
Misc : 8260+_W25
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 11:16:24 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	439411	10.00	ug/L	0.00
35) chlorobenzene-d5	12.102	117	299797	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.878	152	110485	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.683	113	87954	10.63	ug/L	0.00
Spiked Amount 10.000			Recovery =	106.30%		
26) 1,2-dichloroethane-d4	7.133	65	78606	10.91	ug/L	0.00
Spiked Amount 10.000			Recovery =	109.10%		
38) toluene-d8	9.803	98	429839	9.85	ug/L	0.00
Spiked Amount 10.000			Recovery =	98.50%		
56) 4-bromofluorobenzene	14.096	95	127814	9.61	ug/L	0.00
Spiked Amount 10.000			Recovery =	96.10%		
Target Compounds						Qvalue
27) benzene	7.158	78	19953	0.40	ug/L	99
46) 1,2-dibromoethane	11.317	107	2016	0.42	ug/L #	43
47) chlorobenzene	12.150	112	462286	14.27	ug/L	98
69) 1,4-dichlorobenzene	15.909	146	18293	1.00	ug/L	95
70) 1,2-dichlorobenzene	16.438	146	26971	1.80	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

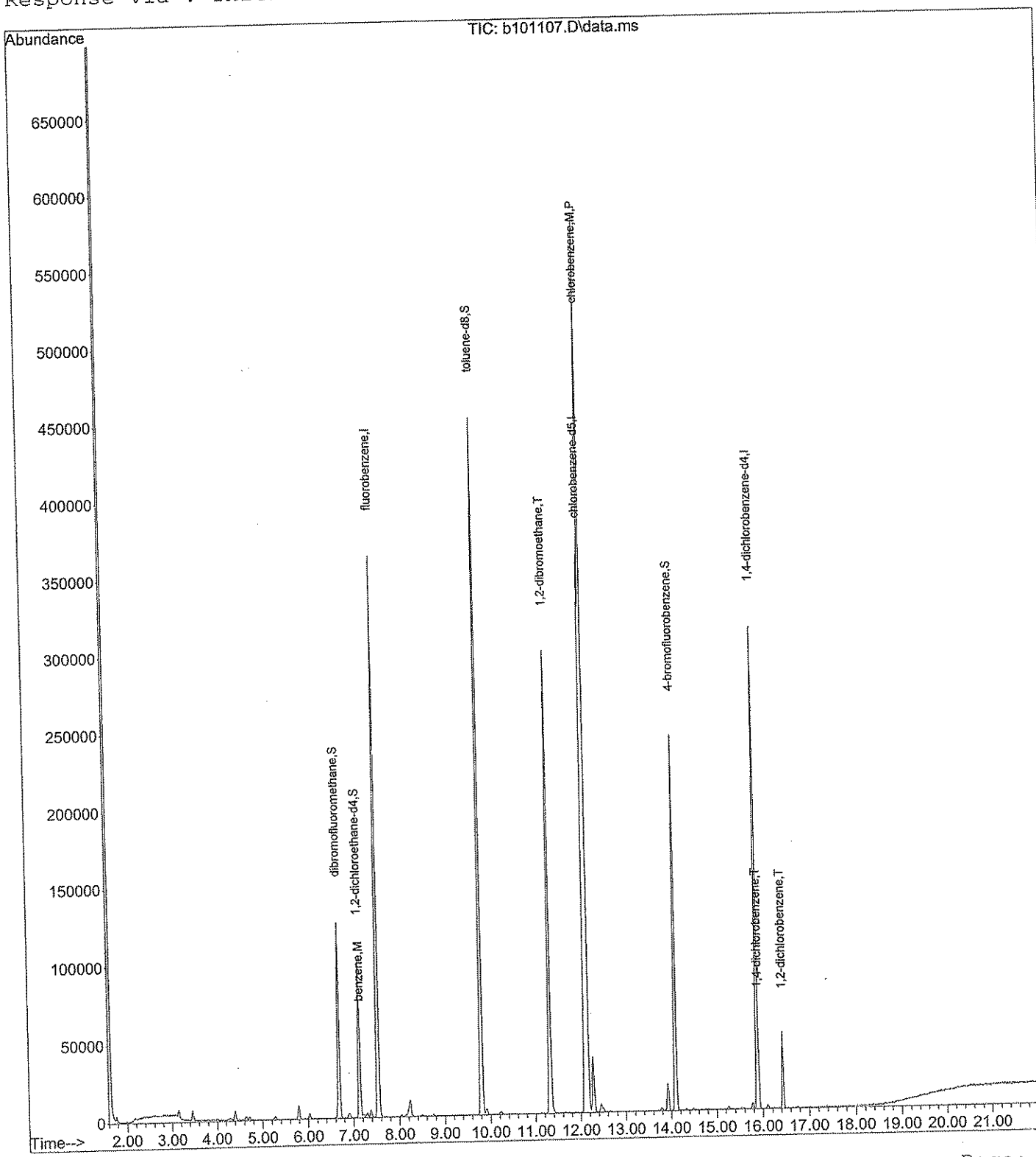
JW 10/11/07

10/11/07 MT

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101107.D
Acq On : 11 Oct 2007 10:25 am
Operator : NLT
Sample : ,SAMP,ME0710172-04A,1,
Misc : 8260+_W25
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 11:16:24 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101111.D
Acq On : 11 Oct 2007 12:34 pm
Operator : NLT
Sample : ,MS,ME0710174-04AMS,1,
Misc : 8260+_W25
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 11 16:07:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.541	96	428445	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	292683	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.873	152	138715	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.684	113	88350	10.95	ug/L		0.00
Spiked Amount 10.000			Recovery =	109.50%			
26) 1,2-dichloroethane-d4	7.134	65	76515	10.89	ug/L		0.00
Spiked Amount 10.000			Recovery =	108.90%			
38) toluene-d8	9.804	98	429590	10.08	ug/L		0.00
Spiked Amount 10.000			Recovery =	100.80%			
56) 4-bromofluorobenzene	14.097	95	133748	10.30	ug/L		0.00
Spiked Amount 10.000			Recovery =	103.00%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.813	85	97296	15.03	ug/L		99
3) chloromethane	2.062	50	141724	12.46	ug/L		97
4) vinyl chloride	2.196	62	128517	10.79	ug/L		99
5) bromomethane	2.621	94	28746	7.45	ug/L		99
6) chloroethane	2.761	64	68783	9.80	ug/L		99
7) trichlorofluoromethane	3.065	101	150670	11.40	ug/L	#	100
9) 1,1-dichloroethene	3.734	96	72104	6.94	ug/L		99
10) acetone	3.899	43	11178	10.82	ug/L		94
11) carbon disulfide	4.002	76	240701	7.45	ug/L		100
12) methylene chloride	4.397	84	103836	8.77	ug/L		100
13) acrylonitrile	4.768	53	15417	14.40	ug/L		98
14) trans-1,2-dichloroethene	4.713	96	92602	7.81	ug/L		96
15) methyl-t-butyl ether	4.695	73	148134	10.00	ug/L		100
16) acetonitrile	4.288	41	7219	14.99	ug/L		98
17) 1,1-dichloroethane	5.267	63	180060	8.41	ug/L		100
18) vinyl acetate	5.334	43	85232	14.02	ug/L		99
19) cis-1,2-dichloroethene	6.033	96	105945	8.59	ug/L		96
20) 2,2-dichloropropane	5.991	77	120063	7.14	ug/L		98
21) 2-butanone	6.100	72	3436	11.31	ug/L		94
22) chloroform	6.465	83	163555	8.90	ug/L		99
24) 1,1,1-trichloroethane	6.641	97	122799	7.35	ug/L		99
25) carbon tetrachloride	6.848	117	97329	7.09	ug/L		100
27) benzene	7.152	78	419672	8.62	ug/L		100
28) 1,1-dichloropropene	6.860	75	106127	6.77	ug/L		99
29) 1,2-dichloroethane	7.237	62	95602	10.10	ug/L		96
30) trichloroethene	8.046	95	88992	7.55	ug/L		99
31) 1,2-dichloropropane	8.393	63	97320	9.02	ug/L		96
32) dibromomethane	8.593	93	35537	10.34	ug/L		98
33) bromodichloromethane	8.824	83	102240	9.22	ug/L		97
36) cis-1,3-dichloropropene	9.457	75	117403	8.86	ug/L		99
37) 4-methyl-2-pentanone	9.682	43	32577	10.30	ug/L		95
39) toluene	9.907	92	250375	7.81	ug/L		97
40) 1,1,2-trichloroethane	10.612	83	45531	10.16	ug/L		96
41) 1,3-dichloropropane	10.868	76	99025	9.74	ug/L		99
42) tetrachloroethene	10.728	164	72324	7.20	ug/L		96
43) trans-1,3-dichloropropene	10.320	75	82521	9.51	ug/L		99
44) 2-hexanone	10.983	43	18732	9.84	ug/L		95
45) dibromochloromethane	11.233	129	52534	9.70	ug/L		99

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101111.D
Acq On : 11 Oct 2007 12:34 pm
Operator : NLT
Sample : ,MS,ME0710174-04AMS,1,
Misc : 8260+_W25
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 11 16:07:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

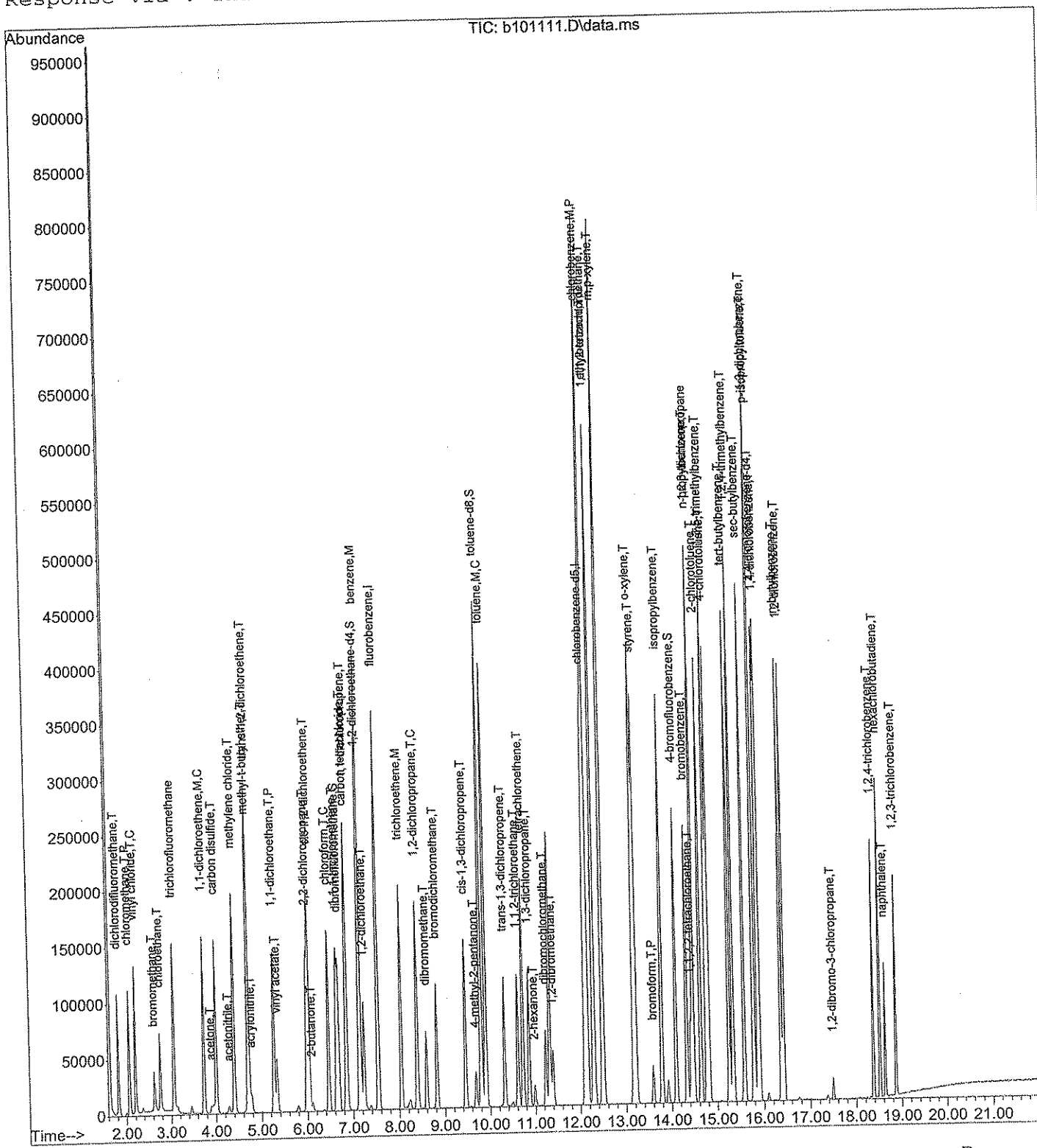
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,2-dibromoethane	11.397	107	49999	10.72	ug/L	100
47) chlorobenzene	12.151	112	655438	20.72	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.303	131	85479	9.42	ug/L	99
49) ethylbenzene	12.297	91	460747	7.84	ug/L	99
50) m,p-xylene	12.498	106	378540	15.79	ug/L	99
51) o-xylene	13.167	106	178416	8.10	ug/L	99
52) styrene	13.215	104	282859	8.85	ug/L	99
53) isopropylbenzene	13.787	105	374917	7.49	ug/L	100
54) bromobenzene	14.334	156	104253	9.48	ug/L	96
55) bromoform	13.598	173	24664	10.31	ug/L	99
57) 1,2,3-trichloropropane	14.474	110	16219	10.53	ug/L	98
58) n-propylbenzene	14.480	91	497550	7.71	ug/L	99
59) 2-chlorotoluene	14.632	91	323922	8.42	ug/L	99
60) 4-chlorotoluene	14.808	91	373682	8.64	ug/L	98
61) 1,3,5-trimethylbenzene	14.766	105	368604	7.96	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.425	83	52083	10.40	ug/L	92
64) tert-butylbenzene	15.252	119	294752	7.16	ug/L	99
65) sec-butylbenzene	15.575	105	432854	7.25	ug/L	99
66) 1,2,4-trimethylbenzene	15.338	105	377545	7.71	ug/L	100
67) 1,3-dichlorobenzene	15.775	146	211067	8.94	ug/L	99
68) p-isopropyltoluene	15.794	119	348673	7.38	ug/L	100
69) 1,4-dichlorobenzene	15.909	146	225241	9.85	ug/L	100
70) 1,2-dichlorobenzene	16.432	146	208760	11.10	ug/L	98
71) n-butylbenzene	16.371	91	267738	7.24	ug/L	100
72) 1,2-dibromo-3-chloropr...	17.490	75	5448	9.95	ug/L	97
73) 1,2,4-trichlorobenzene	18.378	180	79063	9.62	ug/L	98
74) hexachlorobutadiene	18.518	225	60266	8.17	ug/L	98
75) naphthalene	18.634	128	91479	9.14	ug/L	100
76) 1,2,3-trichlorobenzene	18.871	180	59575	10.69	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101111.D
Acq On : 11 Oct 2007 12:34 pm
Operator : NLT
Sample : ,MS,ME0710174-04AMS,1,
Misc : 8260+_W25
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 11 16:07:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101112.D
Acq On : 11 Oct 2007 1:06 pm
Operator : NLT
Sample : ,MSD,ME071017A-04AMSD,1,
Misc : 8260+_W25 ✓ JD 10/11/07
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 11 16:07:13 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.540	96	444741	10.00	ug/L	0.00
35) chlorobenzene-d5	12.108	117	302833	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.872	152	141973	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.683	113	90227	10.77	ug/L	0.00
Spiked Amount 10.000			Recovery =	107.70%		
26) 1,2-dichloroethane-d4	7.133	65	78659	10.79	ug/L	0.00
Spiked Amount 10.000			Recovery =	107.90%		
38) toluene-d8	9.803	98	448140	10.16	ug/L	0.00
Spiked Amount 10.000			Recovery =	101.60%		
56) 4-bromofluorobenzene	14.096	95	137507	10.23	ug/L	0.00
Spiked Amount 10.000			Recovery =	102.30%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.812	85	58522	8.71	ug/L	100
3) chloromethane	2.061	50	112361	9.52	ug/L	97
4) vinyl chloride	2.195	62	90191	7.29	ug/L	96
5) bromomethane	2.621	94	28819	7.20	ug/L	99
6) chloroethane	2.761	64	54127	7.43	ug/L	97
7) trichlorofluoromethane	3.059	101	91976	6.70	ug/L #	100
9) 1,1-dichloroethene	3.734	96	84321	7.82	ug/L	99
10) acetone	3.898	43	12267	11.44	ug/L	90
11) carbon disulfide	4.001	76	205857	6.14	ug/L	99
12) methylene chloride	4.396	84	111020	9.03	ug/L	99
13) acrylonitrile	4.767	53	16388	14.74	ug/L	97
14) trans-1,2-dichloroethene	4.707	96	106856	8.68	ug/L	98
15) methyl-t-butyl ether	4.694	73	156396	10.17	ug/L	98
16) acetonitrile	4.287	41	7353	14.71	ug/L	97
17) 1,1-dichloroethane	5.266	63	206467	9.29	ug/L	99
18) vinyl acetate	5.333	43	90858	14.40	ug/L	99
19) cis-1,2-dichloroethene	6.032	96	119703	9.34	ug/L	97
20) 2,2-dichloropropane	5.984	77	138712	7.94	ug/L	98
21) 2-butanone	6.105	72	3760	11.92	ug/L #	89
22) chloroform	6.464	83	185058	9.70	ug/L	98
24) 1,1,1-trichloroethane	6.640	97	142810	8.24	ug/L	98
25) carbon tetrachloride	6.841	117	110987	7.79	ug/L	98
27) benzene	7.151	78	481876	9.53	ug/L	99
28) 1,1-dichloropropene	6.859	75	126266	7.76	ug/L	99
29) 1,2-dichloroethane	7.236	62	101081	10.28	ug/L	98
30) trichloroethene	8.039	95	104272	8.52	ug/L	99
31) 1,2-dichloropropane	8.392	63	109749	9.80	ug/L	98
32) dibromomethane	8.593	93	37786	10.60	ug/L	99
33) bromodichloromethane	8.824	83	112928	9.81	ug/L	98
36) cis-1,3-dichloropropene	9.450	75	130919	9.54	ug/L	100
37) 4-methyl-2-pentanone	9.687	43	34216	10.46	ug/L	97
39) toluene	9.900	92	286598	8.64	ug/L	100
40) 1,1,2-trichloroethane	10.612	83	48193	10.40	ug/L	99
41) 1,3-dichloropropane	10.867	76	106265	10.10	ug/L	99
42) tetrachloroethene	10.727	164	84429	8.12	ug/L	99
43) trans-1,3-dichloropropene	10.320	75	89661	9.99	ug/L	99
44) 2-hexanone	10.989	43	20889	10.60	ug/L	97
45) dibromochloromethane	11.232	129	55526	9.91	ug/L	97

JD 10/11/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101112.D
Acq On : 11 Oct 2007 1:06 pm
Operator : NLT
Sample : ,MSD,ME0710174-04AMSD,1,
Misc : 8260+_W25
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 11 16:07:13 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

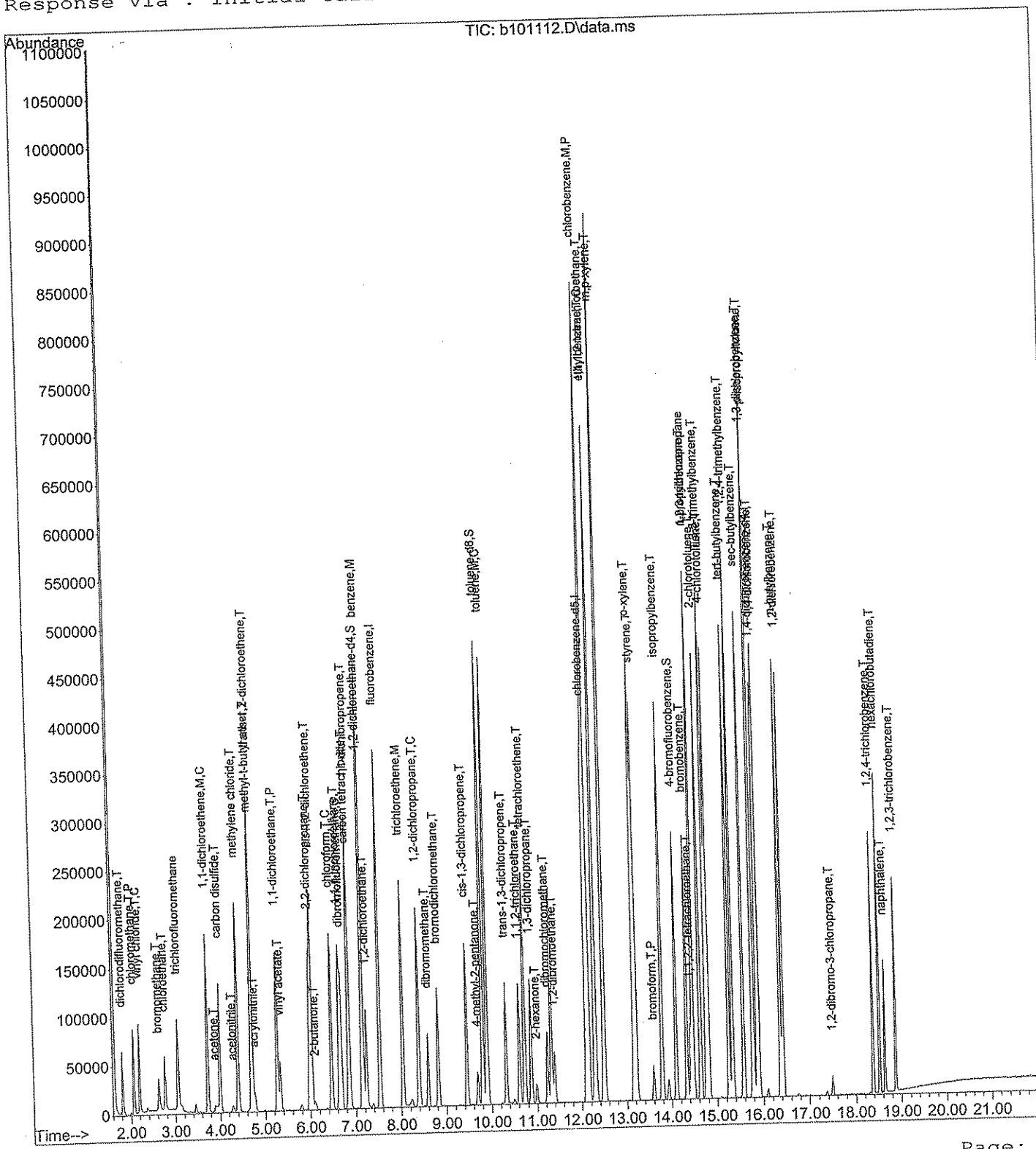
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,2-dibromoethane	11.396	107	52764	10.93	ug/L	100
47) chlorobenzene	12.150	112	692833	21.17	ug/L	100
48) 1,1,1,2-tetrachloroethane	12.302	131	95777	10.20	ug/L	99
49) ethylbenzene	12.302	91	528663	8.69	ug/L	99
50) m,p-xylene	12.497	106	431805	17.41	ug/L	99
51) o-xylene	13.172	106	202483	8.88	ug/L	99
52) styrene	13.214	104	315566	9.55	ug/L	99
53) isopropylbenzene	13.786	105	432774	8.36	ug/L	99
54) bromobenzene	14.333	156	113656	9.98	ug/L	97
55) bromoform	13.598	173	26790	10.83	ug/L	95
57) 1,2,3-trichloropropane	14.473	110	17306	10.86	ug/L	93
58) n-propylbenzene	14.473	91	567688	8.51	ug/L	100
59) 2-chlorotoluene	14.631	91	366249	9.20	ug/L	99
60) 4-chlorotoluene	14.808	91	420991	9.41	ug/L	99
61) 1,3,5-trimethylbenzene	14.765	105	417773	8.72	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.425	83	54951	10.72	ug/L	100
64) tert-butylbenzene	15.252	119	335469	7.97	ug/L	99
65) sec-butylbenzene	15.574	105	486516	7.96	ug/L	99
66) 1,2,4-trimethylbenzene	15.337	105	428781	8.55	ug/L	99
67) 1,3-dichlorobenzene	15.775	146	233198	9.66	ug/L	99
68) p-isopropyltoluene	15.793	119	395522	8.18	ug/L	100
69) 1,4-dichlorobenzene	15.908	146	242853	10.38	ug/L	99
70) 1,2-dichlorobenzene	16.431	146	220823	11.48	ug/L	98
71) n-butylbenzene	16.371	91	307054	8.12	ug/L	99
72) 1,2-dibromo-3-chloropr...	17.496	75	5780	10.31	ug/L	91
73) 1,2,4-trichlorobenzene	18.377	180	89854	10.68	ug/L	97
74) hexachlorobutadiene	18.517	225	66576	8.82	ug/L	100
75) naphthalene	18.633	128	105300	10.28	ug/L	100
76) 1,2,3-trichlorobenzene	18.870	180	68796	12.06	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101112.D
Acq On : 11 Oct 2007 1:06 pm
Operator : NLT
Sample : ,MSD,ME0710174-04AMSD,1,
Misc : 8260+_W25
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 11 16:07:13 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101125.D
Acq On : 11 Oct 2007 8:52 pm
Operator : NLT
Sample : ,MS,ME0710258-05AMS,5,
Misc : 8260_W25
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 12 05:57:18 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	450145	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	299280	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.873	152	141110	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.684	113	91620	10.81	ug/L		0.00
Spiked Amount 10.000			Recovery =	108.10%			
26) 1,2-dichloroethane-d4	7.128	65	79790	10.81	ug/L		0.00
Spiked Amount 10.000			Recovery =	108.10%			
38) toluene-d8	9.804	98	450811	10.35	ug/L		0.00
Spiked Amount 10.000			Recovery =	103.50%			
56) 4-bromofluorobenzene	14.097	95	137545	10.35	ug/L		0.00
Spiked Amount 10.000			Recovery =	103.50%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.813	85	101987	14.99	ug/L		99
3) chloromethane	2.062	50	159538	13.35	ug/L		98
4) vinyl chloride	2.196	62	144187	11.52	ug/L		97
5) bromomethane	2.622	94	35862	8.85	ug/L		99
6) chloroethane	2.755	64	142985	19.38	ug/L		99
7) trichlorofluoromethane	3.060	101	167028	12.03	ug/L	#	99
9) 1,1-dichloroethene	3.735	96	114432	10.49	ug/L		99
10) acetone	3.893	43	13001	11.98	ug/L		88
11) carbon disulfide	4.002	76	267992	7.89	ug/L		99
12) methylene chloride	4.397	84	142993	11.49	ug/L		97
13) acrylonitrile	4.768	53	16371	14.55	ug/L		96
14) trans-1,2-dichloroethene	4.708	96	130430	10.47	ug/L		98
15) methyl-t-butyl ether	4.695	73	161014	10.34	ug/L		99
16) acetonitrile	4.288	41	6123	12.10	ug/L		91
17) 1,1-dichloroethane	5.267	63	236670	10.52	ug/L		99
18) vinyl acetate	5.334	43	96302	15.08	ug/L		99
19) cis-1,2-dichloroethene	6.033	96	133509	10.30	ug/L		97
20) 2,2-dichloropropane	5.985	77	175802	9.94	ug/L		99
21) 2-butanone	6.100	72	3677	11.52	ug/L		80
22) chloroform	6.465	83	205970	10.66	ug/L		99
24) 1,1,1-trichloroethane	6.641	97	187399	10.68	ug/L		99
25) carbon tetrachloride	6.848	117	154639	10.72	ug/L		99
27) benzene	7.152	78	542113	10.59	ug/L		99
28) 1,1-dichloropropene	6.860	75	168111	10.20	ug/L		100
29) 1,2-dichloroethane	7.237	62	107826	10.84	ug/L		100
30) trichloroethene	8.040	95	126415	10.20	ug/L		99
31) 1,2-dichloropropane	8.393	63	119478	10.54	ug/L		96
32) dibromomethane	8.594	93	39547	10.96	ug/L		98
33) bromodichloromethane	8.819	83	120933	10.38	ug/L		98
36) cis-1,3-dichloropropene	9.451	75	140707	10.38	ug/L		98
37) 4-methyl-2-pentanone	9.688	43	34992	10.82	ug/L		94
39) toluene	9.901	92	336258	10.26	ug/L		99
40) 1,1,2-trichloroethane	10.613	83	51536	11.25	ug/L		100
41) 1,3-dichloropropane	10.862	76	112720	10.84	ug/L		99
42) tetrachloroethene	10.728	164	108633	10.57	ug/L		99
43) trans-1,3-dichloropropene	10.321	75	95879	10.81	ug/L		100
44) 2-hexanone	10.990	43	20948	10.76	ug/L		97
45) dibromochloromethane	11.233	129	58922	10.64	ug/L		99

Data Path : D:\msdchem\1\data\b101107\
Data File : b101125.D
Acq On : 11 Oct 2007 8:52 pm
Operator : NLT
Sample : ,MS,ME0710258-05AMS,5,
Misc : 8260_W25
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 12 05:57:18 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

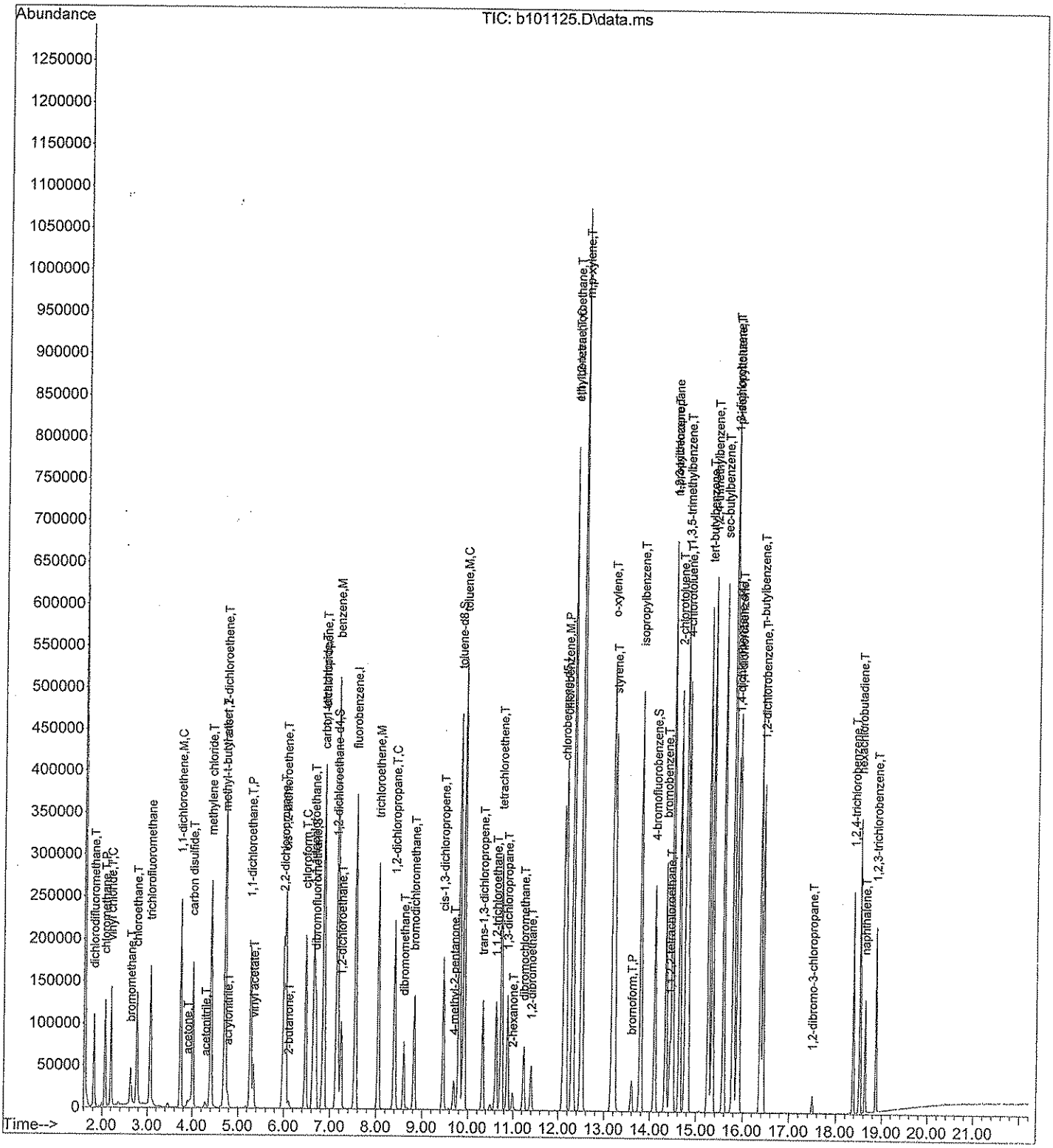
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) 1,2-dibromoethane	11.397	107	53245	11.16 ug/L	98
47) chlorobenzene	12.151	112	343063	10.61 ug/L	99
48) 1,1,1,2-tetrachloroethane	12.303	131	101066	10.89 ug/L	99
49) ethylbenzene	12.303	91	618701	10.29 ug/L	98
50) m,p-xylene	12.498	106	510554	20.83 ug/L	99
51) o-xylene	13.167	106	230763	10.24 ug/L	99
52) styrene	13.215	104	346770	10.61 ug/L	98
53) isopropylbenzene	13.787	105	535622	10.47 ug/L	100
54) bromobenzene	14.334	156	122036	10.85 ug/L	97
55) bromoform	13.592	173	27432	11.22 ug/L	96
57) 1,2,3-trichloropropane	14.474	110	18505	11.75 ug/L	96
58) n-propylbenzene	14.474	91	692295	10.50 ug/L	99
59) 2-chlorotoluene	14.632	91	416400	10.59 ug/L	100
60) 4-chlorotoluene	14.809	91	470115	10.63 ug/L	99
61) 1,3,5-trimethylbenzene	14.760	105	493811	10.43 ug/L	100
63) 1,1,2,2-tetrachloroethane	14.426	83	57442	11.28 ug/L	95
64) tert-butylbenzene	15.253	119	411454	9.83 ug/L	99
65) sec-butylbenzene	15.575	105	602327	9.92 ug/L	100
66) 1,2,4-trimethylbenzene	15.338	105	490220	9.84 ug/L	100
67) 1,3-dichlorobenzene	15.776	146	250210	10.42 ug/L	99
68) p-isopropyltoluene	15.794	119	476177	9.91 ug/L	99
69) 1,4-dichlorobenzene	15.909	146	239304	10.29 ug/L	99
70) 1,2-dichlorobenzene	16.432	146	203801	10.66 ug/L	100
71) n-butylbenzene	16.372	91	363336	9.66 ug/L	99
72) 1,2-dibromo-3-chloropr...	17.491	75	5808	10.42 ug/L	94
73) 1,2,4-trichlorobenzene	18.378	180	88543	10.59 ug/L	100
74) hexachlorobutadiene	18.518	225	74648	9.95 ug/L	99
75) naphthalene	18.634	128	103183	10.13 ug/L	100
76) 1,2,3-trichlorobenzene	18.871	180	67374	11.88 ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101125.D
Acq On : 11 Oct 2007 8:52 pm
Operator : NLT
Sample : ,MS,ME0710258-05AMS,5,
Misc : 8260_W25
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 12 05:57:18 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101126.D
Acq On : 11 Oct 2007 9:24 pm
Operator : NLT
Sample : ,MSD,ME0710258-05AMSD,51,
Misc : 8260_W25
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 12 05:57:23 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.541	96	456477	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	306123	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.873	152	142533	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.684	113	92919	10.81	ug/L		0.00
Spiked Amount 10.000			Recovery = 108.10%				
26) 1,2-dichloroethane-d4	7.134	65	81020	10.82	ug/L		0.00
Spiked Amount 10.000			Recovery = 108.20%				
38) toluene-d8	9.797	98	454462	10.20	ug/L		0.00
Spiked Amount 10.000			Recovery = 102.00%				
56) 4-bromofluorobenzene	14.097	95	140362	10.33	ug/L		0.00
Spiked Amount 10.000			Recovery = 103.30%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.813	85	94829	13.75	ug/L		99
3) chloromethane	2.056	50	157220	12.97	ug/L		100
4) vinyl chloride	2.196	62	142043	11.19	ug/L		98
5) bromomethane	2.621	94	37408	9.10	ug/L		97
6) chloroethane	2.755	64	141555	18.92	ug/L		99
7) trichlorofluoromethane	3.059	101	160346	11.39	ug/L	#	100
9) 1,1-dichloroethene	3.734	96	116498	10.53	ug/L		100
10) acetone	3.892	43	12274	11.15	ug/L		83
11) carbon disulfide	4.002	76	265227	7.70	ug/L		99
12) methylene chloride	4.397	84	144866	11.48	ug/L		100
13) acrylonitrile	4.768	53	16361	14.34	ug/L		95
14) trans-1,2-dichloroethene	4.707	96	134833	10.67	ug/L		97
15) methyl-t-butyl ether	4.695	73	164852	10.44	ug/L		99
16) acetonitrile	4.282	41	6912	13.47	ug/L		94
17) 1,1-dichloroethane	5.267	63	244240	10.70	ug/L		99
18) vinyl acetate	5.334	43	98549	15.22	ug/L		100
19) cis-1,2-dichloroethene	6.033	96	137607	10.47	ug/L		97
20) 2,2-dichloropropane	5.984	77	180466	10.07	ug/L		99
21) 2-butanone	6.094	72	3781	11.68	ug/L	#	92
22) chloroform	6.465	83	210157	10.73	ug/L		100
24) 1,1,1-trichloroethane	6.641	97	190870	10.73	ug/L		98
25) carbon tetrachloride	6.848	117	159201	10.89	ug/L		100
27) benzene	7.152	78	551736	10.63	ug/L		99
28) 1,1-dichloropropene	6.860	75	173417	10.38	ug/L		100
29) 1,2-dichloroethane	7.237	62	109044	10.81	ug/L		97
30) trichloroethene	8.040	95	130783	10.41	ug/L		99
31) 1,2-dichloropropane	8.393	63	121904	10.61	ug/L		96
32) dibromomethane	8.593	93	40251	11.00	ug/L		97
33) bromodichloromethane	8.818	83	123564	10.46	ug/L		99
36) cis-1,3-dichloropropene	9.451	75	145248	10.47	ug/L		100
37) 4-methyl-2-pentanone	9.682	43	36051	10.90	ug/L		92
39) toluene	9.901	92	342583	10.22	ug/L		98
40) 1,1,2-trichloroethane	10.612	83	52656	11.24	ug/L		98
41) 1,3-dichloropropane	10.868	76	114612	10.78	ug/L		99
42) tetrachloroethene	10.728	164	110414	10.50	ug/L		96
43) trans-1,3-dichloropropene	10.320	75	98151	10.82	ug/L		99
44) 2-hexanone	10.989	43	21561	10.82	ug/L		96
45) dibromochloromethane	11.233	129	61011	10.77	ug/L		100

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101126.D
Acq On : 11 Oct 2007 9:24 pm
Operator : NLT
Sample : ,MSD,ME0710258-05AMSD,51,
Misc : 8260_W25
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 12 05:57:23 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

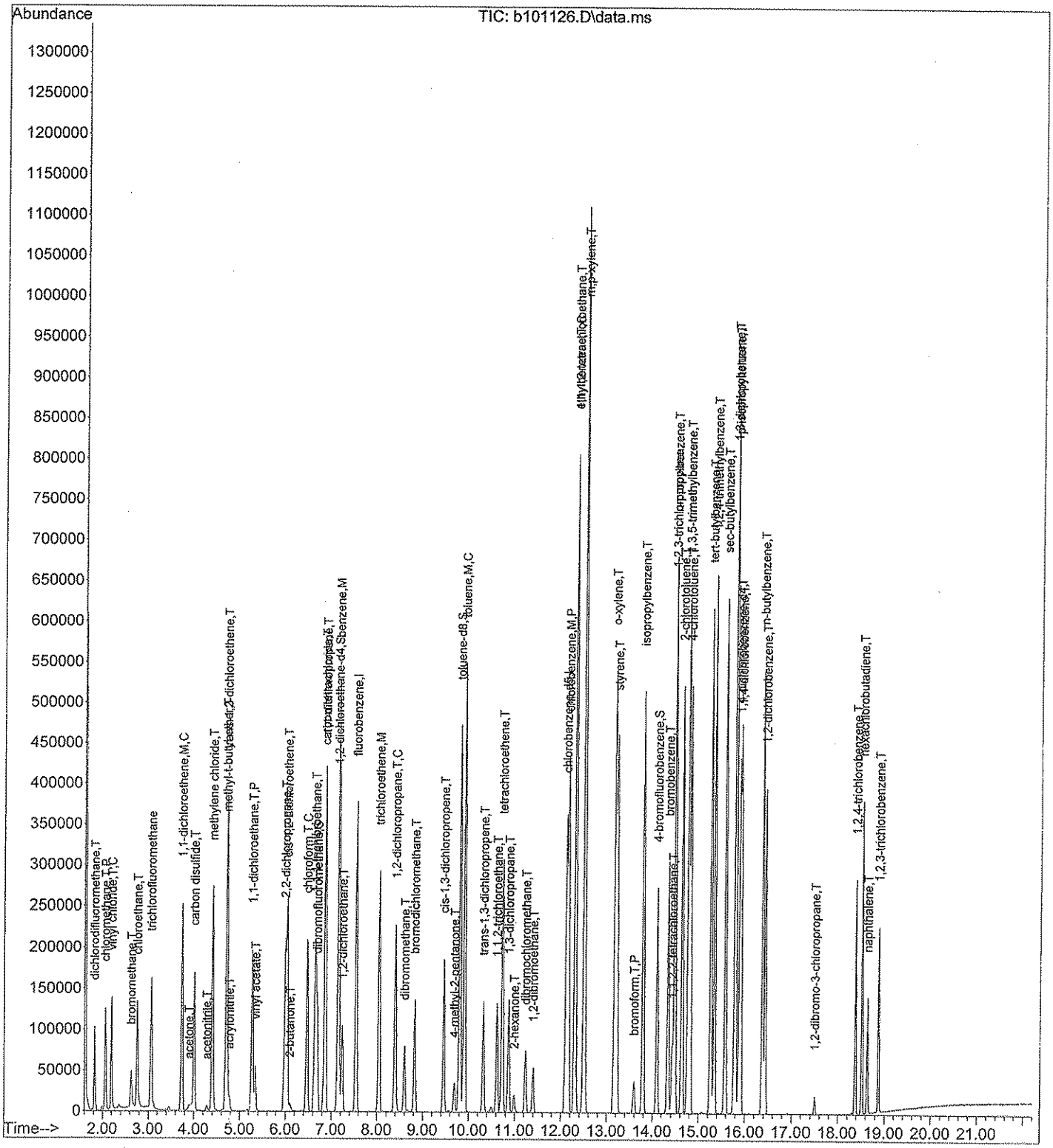
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,2-dibromoethane	11.397	107	53831	11.03	ug/L	99
47) chlorobenzene	12.151	112	351511	10.63	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.303	131	104608	11.02	ug/L	99
49) ethylbenzene	12.303	91	628796	10.22	ug/L	99
50) m,p-xylene	12.498	106	518278	20.67	ug/L	99
51) o-xylene	13.166	106	236417	10.26	ug/L	96
52) styrene	13.215	104	355589	10.64	ug/L	99
53) isopropylbenzene	13.787	105	545889	10.43	ug/L	100
54) bromobenzene	14.334	156	124523	10.82	ug/L	97
55) bromoform	13.592	173	28348	11.33	ug/L	99
57) 1,2,3-trichloropropane	14.468	110	18353	11.39	ug/L	99
58) n-propylbenzene	14.474	91	711864	10.55	ug/L	100
59) 2-chlorotoluene	14.632	91	423002	10.51	ug/L	99
60) 4-chlorotoluene	14.808	91	483226	10.68	ug/L	100
61) 1,3,5-trimethylbenzene	14.760	105	506259	10.46	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.425	83	59222	11.51	ug/L	95
64) tert-butylbenzene	15.252	119	419864	9.93	ug/L	100
65) sec-butylbenzene	15.575	105	623177	10.16	ug/L	100
66) 1,2,4-trimethylbenzene	15.337	105	498171	9.90	ug/L	100
67) 1,3-dichlorobenzene	15.775	146	254701	10.50	ug/L	99
68) p-isopropyltoluene	15.794	119	490993	10.12	ug/L	99
69) 1,4-dichlorobenzene	15.909	146	245185	10.44	ug/L	98
70) 1,2-dichlorobenzene	16.432	146	208150	10.78	ug/L	99
71) n-butylbenzene	16.371	91	379668	9.99	ug/L	98
72) 1,2-dibromo-3-chloropr...	17.490	75	5970	10.61	ug/L	97
73) 1,2,4-trichlorobenzene	18.378	180	94579	11.20	ug/L	98
74) hexachlorobutadiene	18.518	225	79395	10.48	ug/L	99
75) naphthalene	18.634	128	109276	10.63	ug/L	100
76) 1,2,3-trichlorobenzene	18.871	180	71639	12.51	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101126.D
Acq On : 11 Oct 2007 9:24 pm
Operator : NLT
Sample : ,MSD,ME0710258-05AMSD,51,
Misc : 8260_W25
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 12 05:57:23 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101207\
Data File : b101210.D
Acq On : 12 Oct 2007 12:44 pm
Operator : NLT
Sample : ,MS,ME0710258-9AMS,5,
Misc : 8260+_W25
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 12 14:54:55 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.541	96	436851	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	290847	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.873	152	140639	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.684	113	90160	10.96	ug/L		0.00
Spiked Amount 10.000			Recovery = 109.60%				
26) 1,2-dichloroethane-d4	7.134	65	78675	10.98	ug/L		0.00
Spiked Amount 10.000			Recovery = 109.80%				
38) toluene-d8	9.797	98	437441	10.33	ug/L		0.00
Spiked Amount 10.000			Recovery = 103.30%				
56) 4-bromofluorobenzene	14.097	95	132917	10.30	ug/L		0.00
Spiked Amount 10.000			Recovery = 103.00%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.813	85	86248	13.06	ug/L		100
3) chloromethane	2.056	50	133366	11.50	ug/L		99
4) vinyl chloride	2.196	62	121746	10.02	ug/L		99
5) bromomethane	2.621	94	23060	5.86	ug/L		95
6) chloroethane	2.755	64	147809	20.65	ug/L		99
7) trichlorofluoromethane	3.059	101	150212	11.15	ug/L	#	99
9) 1,1-dichloroethene	3.734	96	99808	9.43	ug/L		97
10) acetone	3.898	43	10926	10.37	ug/L		86
11) carbon disulfide	4.002	76	245719	7.46	ug/L		99
12) methylene chloride	4.397	84	136879	11.34	ug/L		99
13) acrylonitrile	4.768	53	14793	13.55	ug/L		97
14) trans-1,2-dichloroethene	4.707	96	117233	9.70	ug/L		98
15) methyl-t-butyl ether	4.695	73	167908	11.11	ug/L		98
16) acetonitrile	4.282	41	5892	12.00	ug/L	#	85
17) 1,1-dichloroethane	5.267	63	212802	9.74	ug/L		100
18) vinyl acetate	5.334	43	97789	15.78	ug/L		100
19) cis-1,2-dichloroethene	6.033	96	120358	9.57	ug/L		95
20) 2,2-dichloropropane	5.990	77	152192	8.87	ug/L		99
21) 2-butanone	6.106	72	3370	10.88	ug/L		82
22) chloroform	6.465	83	186696	9.96	ug/L		98
24) 1,1,1-trichloroethane	6.641	97	163842	9.62	ug/L		99
25) carbon tetrachloride	6.842	117	134251	9.59	ug/L		98
27) benzene	7.152	78	485189	9.77	ug/L		99
28) 1,1-dichloropropene	6.860	75	145948	9.13	ug/L		99
29) 1,2-dichloroethane	7.237	62	99261	10.28	ug/L		99
30) trichloroethene	8.040	95	112331	9.34	ug/L		98
31) 1,2-dichloropropane	8.393	63	107136	9.74	ug/L		97
32) dibromomethane	8.593	93	36372	10.38	ug/L		97
33) bromodichloromethane	8.818	83	108971	9.64	ug/L		99
36) cis-1,3-dichloropropene	9.457	75	123459	9.37	ug/L		99
37) 4-methyl-2-pentanone	9.688	43	31130	9.91	ug/L		95
39) toluene	9.901	92	301767	9.47	ug/L		96
40) 1,1,2-trichloroethane	10.612	83	46405	10.42	ug/L		98
41) 1,3-dichloropropane	10.868	76	102180	10.11	ug/L		100
42) tetrachloroethene	10.728	164	96381	9.65	ug/L		97
43) trans-1,3-dichloropropene	10.320	75	84012	9.75	ug/L		99
44) 2-hexanone	10.983	43	18003	9.51	ug/L		94
45) dibromochloromethane	11.232	129	53707	9.98	ug/L		99

JW 10/12/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101207\
Data File : b101210.D
Acq On : 12 Oct 2007 12:44 pm
Operator : NLT
Sample : ,MS,ME0710258-9AMS,5,
Misc : 8260+_W25
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 12 14:54:55 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

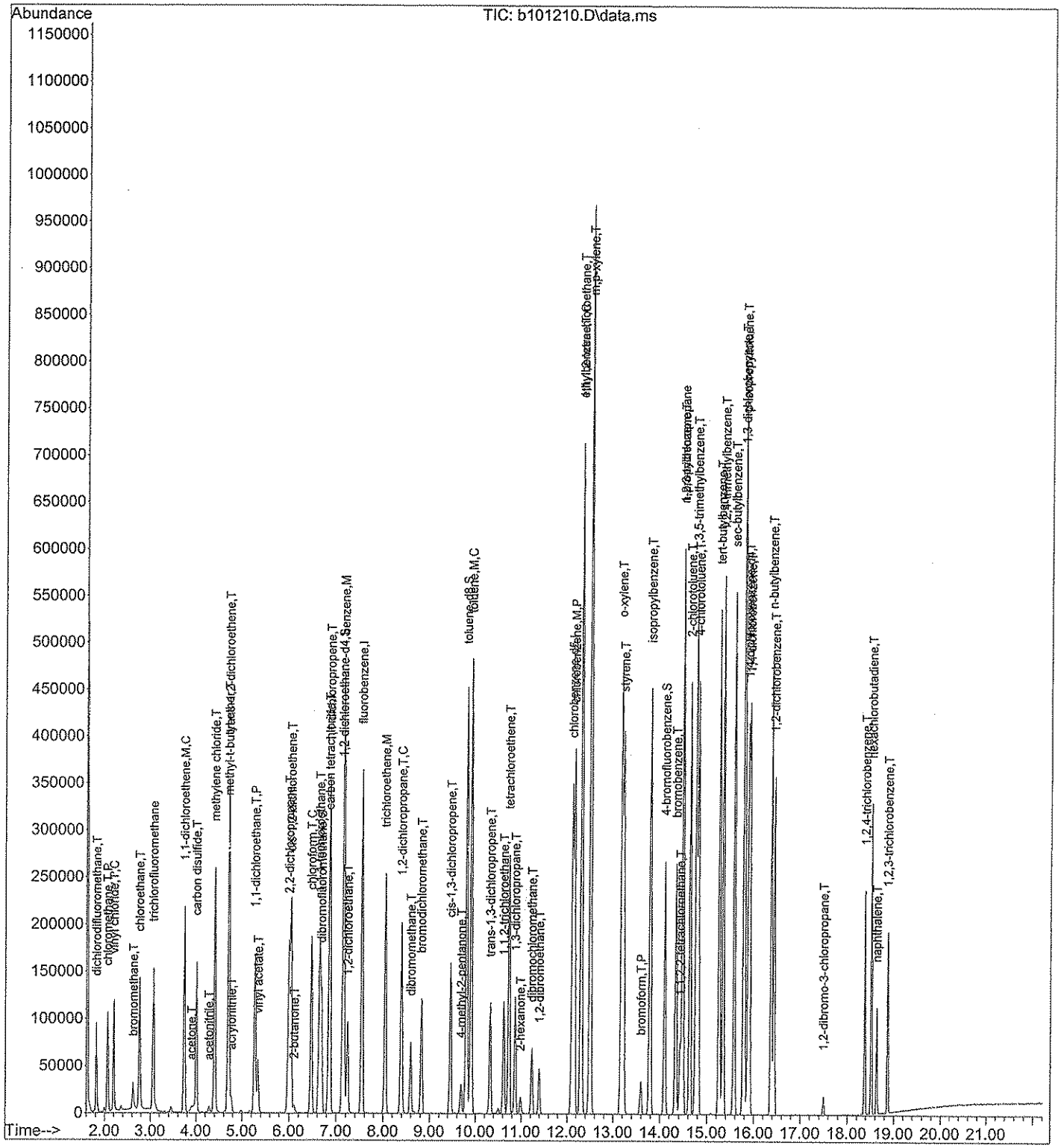
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,2-dibromoethane	11.397	107	47970	10.35	ug/L	99
47) chlorobenzene	12.151	112	308726	9.82	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.303	131	92540	10.26	ug/L	100
49) ethylbenzene	12.303	91	547580	9.37	ug/L	98
50) m,p-xylene	12.497	106	451004	18.93	ug/L	99
51) o-xylene	13.166	106	206880	9.45	ug/L	98
52) styrene	13.215	104	309686	9.75	ug/L	99
53) isopropylbenzene	13.787	105	469007	9.43	ug/L	100
54) bromobenzene	14.334	156	111262	10.18	ug/L	96
55) bromoform	13.598	173	24708	10.40	ug/L	92
57) 1,2,3-trichloropropane	14.474	110	16901	11.04	ug/L	95
58) n-propylbenzene	14.474	91	614399	9.59	ug/L	100
59) 2-chlorotoluene	14.632	91	370267	9.69	ug/L	99
60) 4-chlorotoluene	14.808	91	419792	9.77	ug/L	99
61) 1,3,5-trimethylbenzene	14.760	105	441073	9.59	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.425	83	53043	10.45	ug/L	94
64) tert-butylbenzene	15.252	119	362468	8.69	ug/L	99
65) sec-butylbenzene	15.575	105	534727	8.84	ug/L	100
66) 1,2,4-trimethylbenzene	15.337	105	434881	8.76	ug/L	100
67) 1,3-dichlorobenzene	15.775	146	227203	9.50	ug/L	98
68) p-isopropyltoluene	15.794	119	426019	8.90	ug/L	100
69) 1,4-dichlorobenzene	15.909	146	219574	9.47	ug/L	99
70) 1,2-dichlorobenzene	16.432	146	185769	9.75	ug/L	99
71) n-butylbenzene	16.371	91	320749	8.56	ug/L	99
72) 1,2-dibromo-3-chloropr...	17.490	75	5326	9.59	ug/L	91
73) 1,2,4-trichlorobenzene	18.378	180	77706	9.32	ug/L	98
74) hexachlorobutadiene	18.518	225	69253	9.27	ug/L	98
75) naphthalene	18.633	128	87531	8.63	ug/L	100
76) 1,2,3-trichlorobenzene	18.871	180	58589	10.37	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101207\
Data File : b101210.D
Acq On : 12 Oct 2007 12:44 pm
Operator : NLT
Sample : ,MS,ME0710258-9AMS,5,
Misc : 8260+_W25
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 12 14:54:55 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101207\
Data File : b101211.D
Acq On : 12 Oct 2007 1:16 pm
Operator : NLT
Sample : ,MSD,ME0710258-9AMSD,5,
Misc : 8260+_W25
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 12 14:55:16 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.537	96	439897	10.00	ug/L		0.00
35) chlorobenzene-d5	12.104	117	295778	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.875	152	139543	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.686	113	89761	10.84	ug/L		0.00
Spiked Amount 10.000			Recovery = 108.40%				
26) 1,2-dichloroethane-d4	7.130	65	79496	11.02	ug/L		0.00
Spiked Amount 10.000			Recovery = 110.20%				
38) toluene-d8	9.799	98	441725	10.26	ug/L		0.00
Spiked Amount 10.000			Recovery = 102.60%				
56) 4-bromofluorobenzene	14.099	95	134452	10.24	ug/L		0.00
Spiked Amount 10.000			Recovery = 102.40%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.815	85	73761	11.10	ug/L		100
3) chloromethane	2.058	50	116651	9.99	ug/L		98
4) vinyl chloride	2.198	62	105968	8.66	ug/L		98
5) bromomethane	2.623	94	23654	5.97	ug/L		99
6) chloroethane	2.757	64	132680	18.40	ug/L		100
7) trichlorofluoromethane	3.061	101	125719	9.27	ug/L	#	100
9) 1,1-dichloroethene	3.736	96	75360	7.07	ug/L		99
10) acetone	3.900	43	13334	12.57	ug/L		85
11) carbon disulfide	4.004	76	201365	6.07	ug/L		99
12) methylene chloride	4.399	84	134584	11.07	ug/L		99
13) acrylonitrile	4.770	53	15461	14.06	ug/L		97
14) trans-1,2-dichloroethene	4.709	96	97161	7.98	ug/L		98
15) methyl-t-butyl ether	4.697	73	149039	9.80	ug/L		97
16) acetonitrile	4.284	41	6819	13.79	ug/L		96
17) 1,1-dichloroethane	5.269	63	188063	8.55	ug/L		99
18) vinyl acetate	5.336	43	87208	13.97	ug/L		100
19) cis-1,2-dichloroethene	6.035	96	108569	8.57	ug/L		97
20) 2,2-dichloropropane	5.986	77	121566	7.04	ug/L		99
21) 2-butanone	6.108	72	3318	10.63	ug/L		94
22) chloroform	6.467	83	170856	9.05	ug/L		99
24) 1,1,1-trichloroethane	6.643	97	129683	7.56	ug/L		99
25) carbon tetrachloride	6.844	117	102376	7.26	ug/L		97
27) benzene	7.154	78	426961	8.54	ug/L		99
28) 1,1-dichloropropene	6.862	75	113350	7.04	ug/L		99
29) 1,2-dichloroethane	7.233	62	98342	10.12	ug/L		100
30) trichloroethene	8.042	95	94739	7.82	ug/L		99
31) 1,2-dichloropropane	8.388	63	102310	9.24	ug/L		97
32) dibromomethane	8.595	93	36775	10.43	ug/L		98
33) bromodichloromethane	8.820	83	105586	9.27	ug/L		100
36) cis-1,3-dichloropropene	9.453	75	122480	9.14	ug/L		99
37) 4-methyl-2-pentanone	9.684	43	32621	10.21	ug/L		99
39) toluene	9.903	92	266138	8.21	ug/L		99
40) 1,1,2-trichloroethane	10.614	83	47568	10.51	ug/L		98
41) 1,3-dichloropropane	10.864	76	103175	10.04	ug/L		99
42) tetrachloroethene	10.730	164	76276	7.51	ug/L		98
43) trans-1,3-dichloropropene	10.322	75	84856	9.68	ug/L		100
44) 2-hexanone	10.985	43	19284	10.02	ug/L		93
45) dibromochloromethane	11.235	129	53600	9.79	ug/L		98

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101207\
Data File : b101211.D
Acq On : 12 Oct 2007 1:16 pm
Operator : NLT
Sample : ,MSD,ME0710258-9AMSD,5,
Misc : 8260+_W25
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 12 14:55:16 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

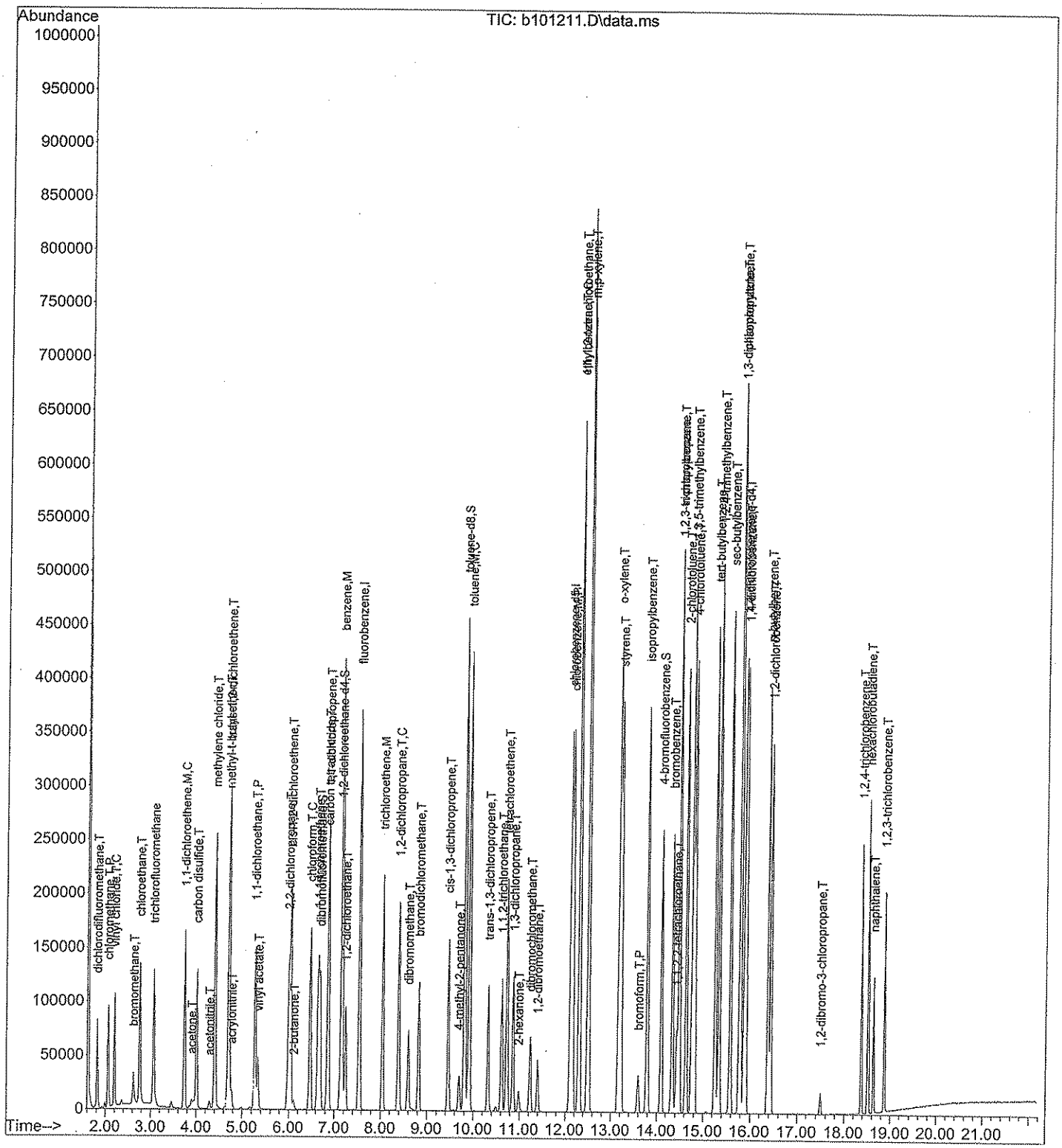
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,2-dibromoethane	11.393	107	49054	10.40	ug/L	98
47) chlorobenzene	12.153	112	288535	9.03	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.299	131	87985	9.59	ug/L	100
49) ethylbenzene	12.299	91	472021	7.94	ug/L	99
50) m,p-xylene	12.493	106	392711	16.21	ug/L	99
51) o-xylene	13.168	106	186314	8.37	ug/L	98
52) styrene	13.217	104	293656	9.10	ug/L	98
53) isopropylbenzene	13.783	105	392643	7.76	ug/L	100
54) bromobenzene	14.330	156	107997	9.71	ug/L	96
55) bromoform	13.600	173	25591	10.59	ug/L	97
57) 1,2,3-trichloropropane	14.470	110	17038	10.95	ug/L	99
58) n-propylbenzene	14.476	91	521891	8.01	ug/L	100
59) 2-chlorotoluene	14.634	91	335495	8.63	ug/L	98
60) 4-chlorotoluene	14.810	91	390811	8.94	ug/L	99
61) 1,3,5-trimethylbenzene	14.762	105	387597	8.29	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.421	83	53783	10.68	ug/L	99
64) tert-butylbenzene	15.254	119	307676	7.43	ug/L	99
65) sec-butylbenzene	15.577	105	451232	7.52	ug/L	99
66) 1,2,4-trimethylbenzene	15.339	105	397547	8.07	ug/L	100
67) 1,3-dichlorobenzene	15.777	146	216702	9.13	ug/L	98
68) p-isopropyltoluene	15.789	119	363023	7.64	ug/L	100
69) 1,4-dichlorobenzene	15.905	146	215322	9.36	ug/L	99
70) 1,2-dichlorobenzene	16.428	146	185013	9.78	ug/L	97
71) n-butylbenzene	16.373	91	274058	7.37	ug/L	98
72) 1,2-dibromo-3-chloropr...	17.492	75	5393	9.79	ug/L	96
73) 1,2,4-trichlorobenzene	18.374	180	81402	9.84	ug/L	97
74) hexachlorobutadiene	18.520	225	60866	8.21	ug/L	98
75) naphthalene	18.636	128	96818	9.62	ug/L	100
76) 1,2,3-trichlorobenzene	18.873	180	62601	11.16	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101207\
Data File : b101211.D
Acq On : 12 Oct 2007 1:16 pm
Operator : NLT
Sample : ,MSD,ME0710258-9AMSD,5,
Misc : 8260+_W25
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 12 14:55:16 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

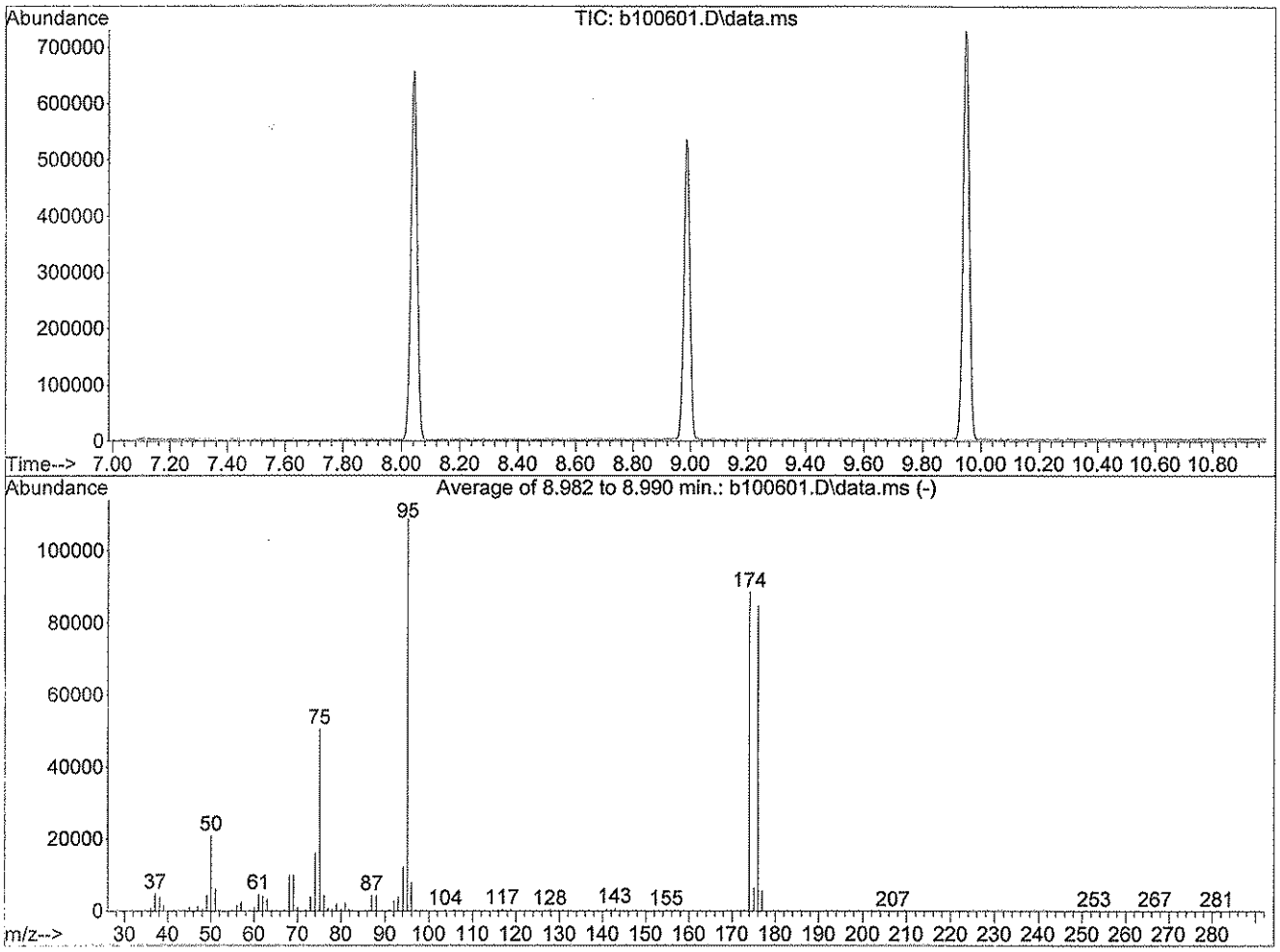


TUNING RAW DATA

Data Path : D:\msdchem\1\data\b100607\
Data File : b100601.D
Acq On : 6 Oct 2007 8:02 pm
Operator : JDB
Sample : ,tune,bfb tune,1,
Misc : bfb
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\wtr1004.M
Title : VOA waterICAL 10/04/07-MISC Included
Last Update : Thu Oct 04 12:58:22 2007



AutoFind: Scans 1896, 1897, 1898; Background Corrected with Scan 1885

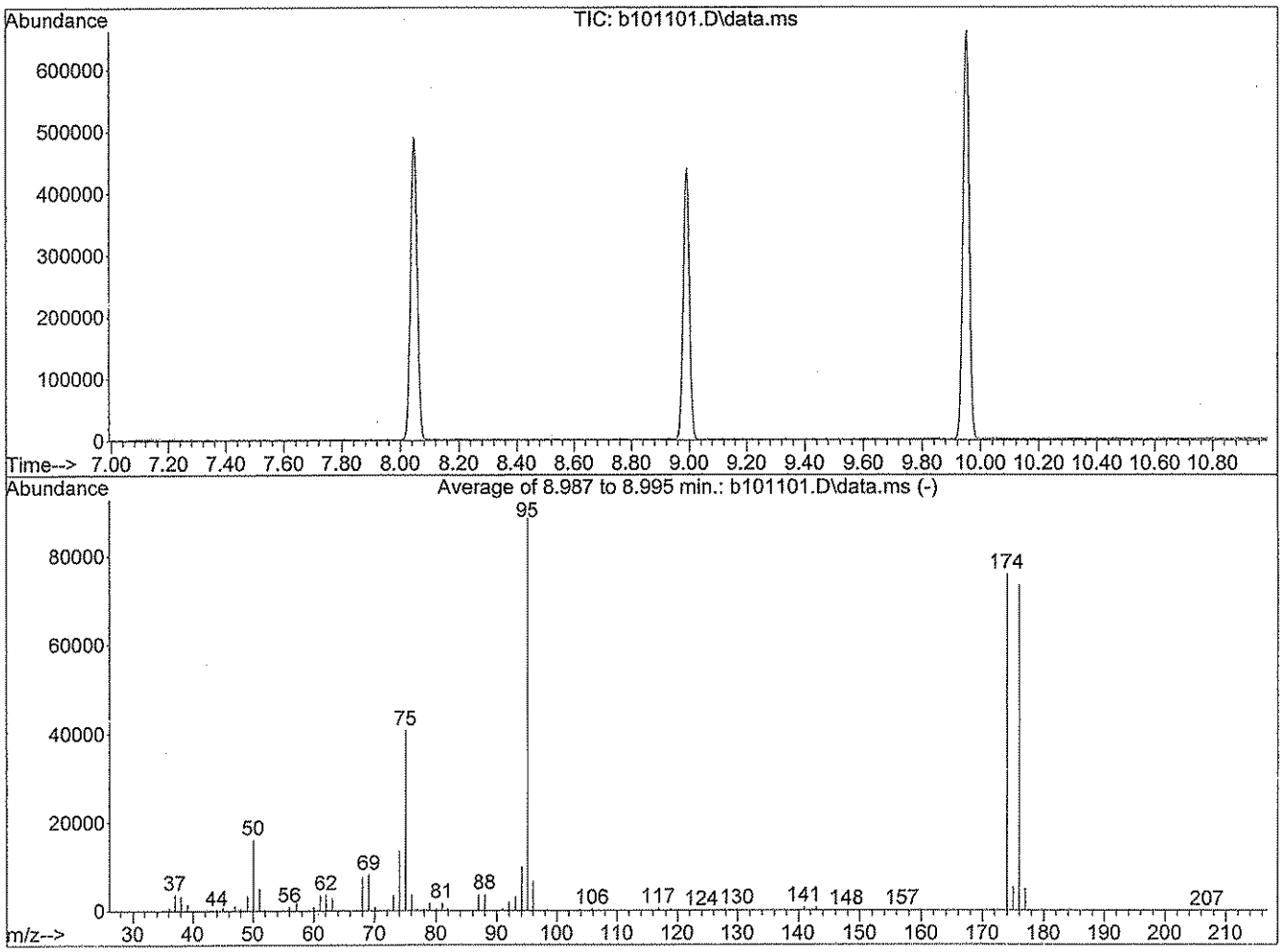
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	21005	PASS
75	95	30	60	46.5	50642	PASS
95	95	100	100	100.0	108824	PASS
96	95	5	9	7.3	7946	PASS
173	174	0.00	2	0.4	364	PASS
174	95	50	250	81.4	88570	PASS
175	174	5	9	7.2	6337	PASS
176	174	95	101	95.7	84762	PASS
177	176	5	9	6.7	5705	PASS

10/7/07

Data Path : d:\msdchem\1\DATA\b101107\
Data File : b101101.D
Acq On : 11 Oct 2007 6:42 am
Operator : NLT
Sample : ,tune,bfb tune,1,
Misc : bfb
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : C:\MSDCHEM\1\METHODS\PTS01.M
Title :
Last Update : Thu Sep 20 15:35:35 2007



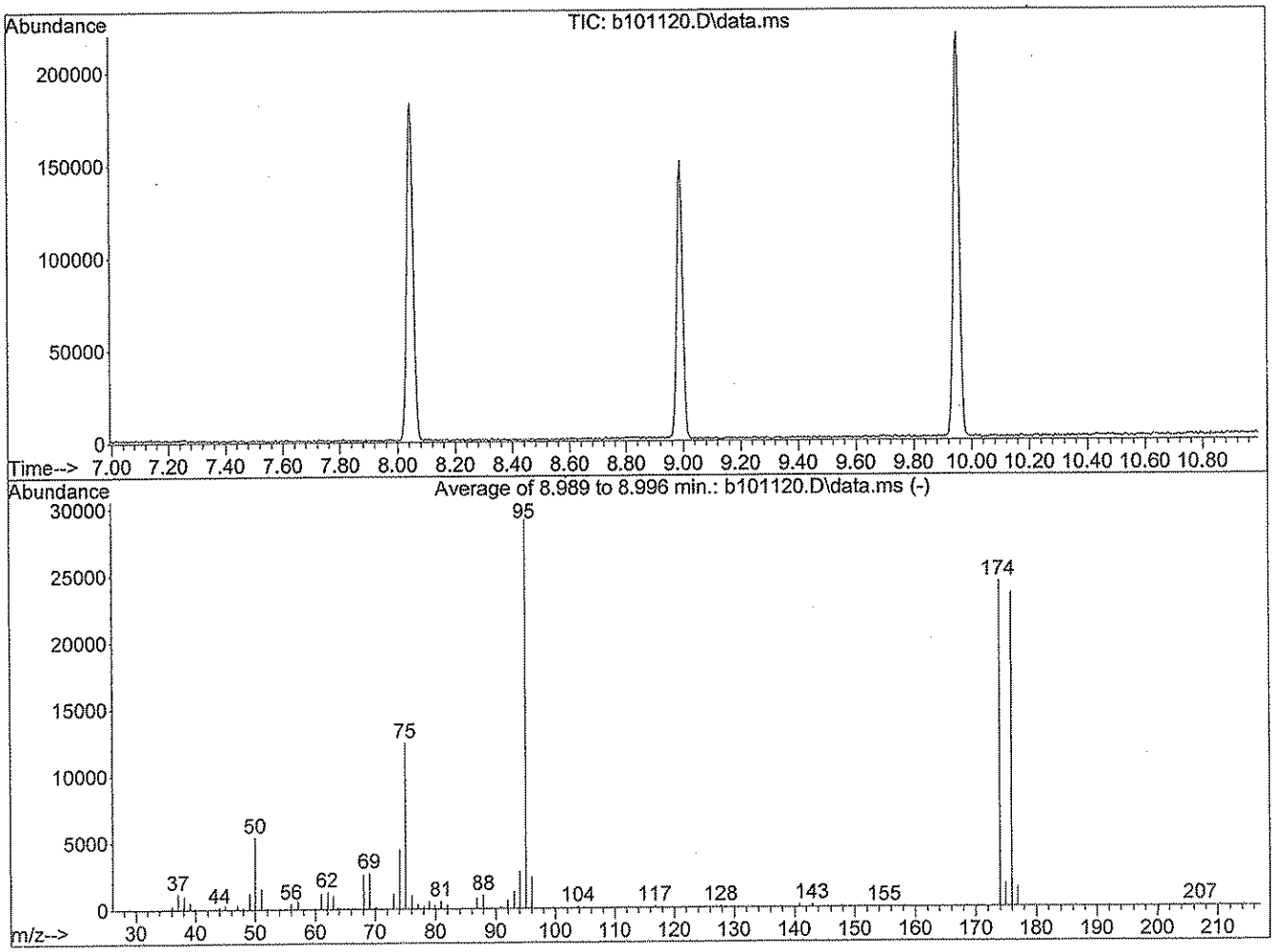
AutoFind: Scans 1897, 1898, 1899; Background Corrected with Scan 1887
AUTOFIND via AUTOINTEGRATE

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.3	16151	PASS
75	95	30	60	46.1	40800	PASS
95	95	100	100	100.0	88440	PASS
96	95	5	9	7.4	6540	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	85.8	75896	PASS
175	174	5	9	7.0	5324	PASS
176	174	95	101	96.7	73376	PASS
177	176	5	9	6.7	4914	PASS

Data Path : d:\msdchem\1\DATA\b101107\
Data File : b101120.D
Acq On : 11 Oct 2007 5:34 pm
Operator : NLT
Sample : ,tune,bfb tune,1,
Misc : bfb
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : C:\MSDCHEM\1\METHODS\PTS01.M
Title :
Last Update : Thu Sep 20 15:35:35 2007



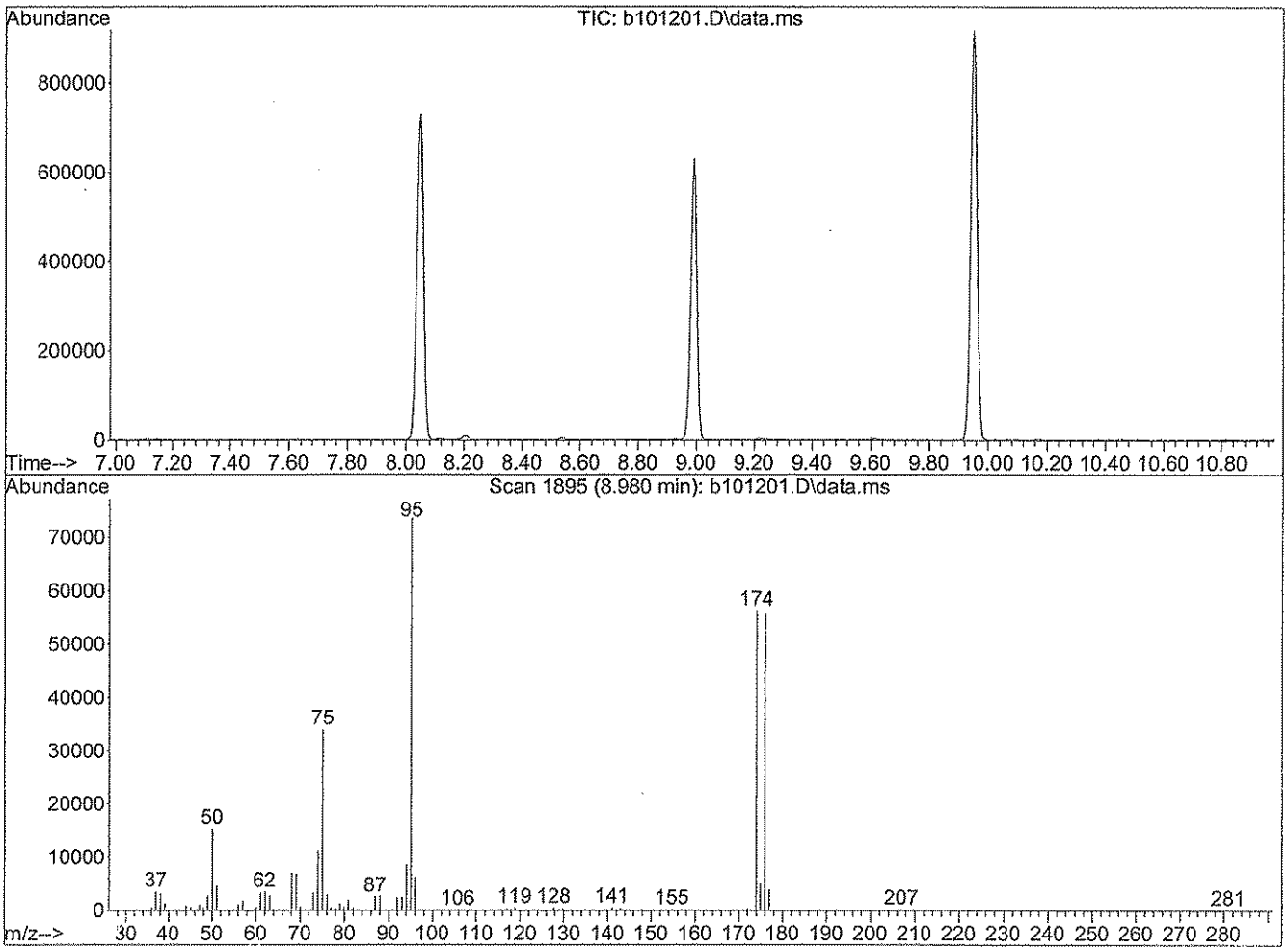
AutoFind: Scans 1897, 1898, 1899; Background Corrected with Scan 1887
AUTOFIND via AUTOINTEGRATE

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	5405	PASS
75	95	30	60	42.7	12456	PASS
95	95	100	100	100.0	29146	PASS
96	95	5	9	8.1	2357	PASS
173	174	0.00	2	0.3	66	PASS
174	95	50	100	83.8	24434	PASS
175	174	5	9	7.1	1747	PASS
176	174	95	101	96.5	23586	PASS
177	176	5	9	6.3	1478	PASS

Data Path : D:\msdchem\1\data\b101207\
Data File : b101201.D
Acq On : 12 Oct 2007 5:54 am
Operator : NLT
Sample : ,tune,bfb tune,1,
Misc : bfb
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07
Last Update : Mon Oct 08 16:50:56 2007



Spectrum Information: Scan 1895

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.9	15400	PASS
75	95	30	60	46.3	34064	PASS
95	95	100	100	100.0	73632	PASS
96	95	5	9	8.6	6319	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	250	76.6	56368	PASS
175	174	5	9	8.9	5002	PASS
176	174	95	101	98.7	55624	PASS
177	176	5	9	6.9	3861	PASS

INITIAL CALIBRATION RAW DATA

Method Path : C:\msdchem\1\METHODS\
Method File : 25mL1006.M 10/08/07
Title : 25 ml W-ICAL ~~09/28/07~~
Last Update : Mon Oct 08 09:58:43 2007
Response Via : Initial Calibration

Calibration Files
1 =b100602.D 2 =b100603.D 4 =b100604.D 8 =b100605.D 10 =b100606.D 20 =b100607.D
40 =b100608.D

		Compound	1	2	4	8	10	20	40	Avg	%RSD
1)	I	fluorobenzene	----------ISTD----------								
2)	T	dichlorodifluo...	0.164	0.143	0.150	0.153	0.152	0.151	0.145	0.151	4.45
3)	T,P	chloromethane	PQL=2	0.265	0.260	0.259	0.266	0.272	0.271	0.266#	2.06
4)	T,C	vinyl chloride	0.303	0.265	0.264	0.270	0.278	0.285	0.282	0.278	4.88
5)	T	bromomethane	0.098	0.087	0.082	0.089	0.094	UQL=10		0.090	7.19
6)	T	chloroethane	0.196	0.165	0.158	0.159	0.161	0.156	0.152	0.164	9.03
7)		trichlorofluor...	0.313	0.296	0.304	0.306	0.314	0.317	0.309	0.308	2.37
8)	T	acrolein	0.006	0.005	0.005	0.005	0.005	0.006	0.006	0.006	6.77
9)	M,C	1,1-dichloroet...	0.253	0.231	0.233	0.243	0.244	0.245	0.248	0.242	3.26
10)	T	acetone	PQL=5		0.026	0.024	0.024	0.024	0.023	0.024	3.68
11)	T	carbon disulfide	0.884	0.703	0.703	0.740	0.744	0.751	0.755	0.754	8.09
12)	T	methylene chlo...	PQL=2	0.351	0.287	0.268	0.262	0.247	0.243	0.276	14.35
13)	T	acrylonitrile	0.026	0.024	0.025	0.024	0.025	0.025	0.025	0.025	3.18
14)	T	trans-1,2-dich...	0.303	0.264	0.260	0.277	0.278	0.277	0.278	0.277	4.95
15)	T	methyl-t-butyl...	0.356	0.348	0.331	0.335	0.341	0.353	0.358	0.346	3.10
16)	T	acetonitrile	0.015	0.012	0.010	0.010	0.010	0.010	0.010	0.011	17.64
17)	T,P	1,1-dichloroet...	0.556	0.483	0.477	0.494	0.497	0.497	0.496	0.500	5.18
18)	T	vinyl acetate	PQL=2	0.138	0.132	0.148	0.141	0.147	0.145	0.142	4.15
19)	T	cis-1,2-dichlo...	0.314	0.278	0.273	0.284	0.289	0.289	0.290	0.288	4.58
20)	T	2,2-dichloropr...	0.421	0.374	0.379	0.393	0.394	0.394	0.394	0.393	3.88
21)	T	2-butanone	PQL=2	0.005	0.006	0.007	0.007	0.008	0.008	0.007	14.17
22)	T,C	chloroform	0.483	0.415	0.406	0.422	0.429	0.423	0.425	0.429	2.81
23)	S	dibromofluorom...	0.185	0.189	0.187	0.190	0.188	0.189	0.191	0.188	0.93
24)	T	1,1,1-trichlor...	0.400	0.369	0.374	0.392	0.397	0.398	0.399	0.390	3.31
25)	T	carbon tetrach...	0.319	0.292	0.302	0.324	0.330	0.334	0.340	0.320	5.47
26)	S	1,2-dichloroet...	0.165	0.168	0.162	0.166	0.164	0.161	0.162	0.164	1.58
27)	M	benzene	1.273	1.087	1.081	1.122	1.129	1.134	1.131	1.137	5.63
28)	T	1,1-dichloropr...	0.373	0.345	0.352	0.369	0.369	0.376	0.378	0.366	3.46
29)	T	1,2-dichloroet...	0.246	0.216	0.211	0.218	0.219	0.218	0.219	0.221	5.14
30)	M	trichloroethene	0.294	0.263	0.263	0.274	0.275	0.277	0.280	0.275	3.88
31)	T,C	1,2-dichloropr...	0.270	0.243	0.240	0.251	0.251	0.253	0.255	0.252	3.85
32)	T	dibromomethane	0.090	0.077	0.075	0.078	0.080	0.080	0.081	0.080	5.95
33)	T	bromodichlorom...	0.266	0.236	0.236	0.258	0.265	0.271	0.280	0.259	6.47
34)	T	2-chloroethyl ...		0.024	0.028	0.037	0.038	0.044	0.051	0.037	27.27
35)	I	chlorobenzene-d5	----------ISTD----------								
36)	T	cis-1,3-dichlo...	0.467	0.416	0.419	0.455	0.462	0.474	0.478	0.453	5.57
37)	T	4-methyl-2-pen...		0.102	0.099	0.107	0.108	0.114	0.118	0.108	6.47
38)	S	toluene-d8	1.459	1.450	1.453	1.467	1.462	1.452	1.447	1.456	0.50

10/08/07

Method Path : C:\msdchem\1\METHODS\
Method File : 25mL1006.M 10/06/07
Title : 25 ml W-ICAL ~~09/28/07~~ 10/08/07

39)	M,C	toluene	1.251	1.058	1.041	1.074	1.084	1.085	1.076	1.096	6.43
40)	T	1,1,2-trichlor...	0.164	0.147	0.146	0.153	0.153	0.154	0.154	0.153	3.95
41)	T	1,3-dichloropr...	0.387	0.337	0.325	0.344	0.342	0.349	0.347	0.347	5.56
42)	T	tetrachloroethene	0.371	0.325	0.335	0.346	0.342	0.345	0.340	0.343	4.04
43)	T	trans-1,3-dich...	0.305	0.265	0.268	0.296	0.302	0.318	0.321	0.296	7.51
44)	T	2-hexanone	PQL=2	0.055	0.057	0.065	0.066	0.071	0.077	0.065	13.13
45)	T	dibromochlorom...	0.174	0.161	0.164	0.185	0.193	0.202	0.216	0.185	10.97
46)	T	1,2-dibromoethane	0.162	0.151	0.149	0.160	0.162	0.166	0.167	0.159	4.25
47)	M,P	chlorobenzene	1.203	1.037	1.033	1.065	1.076	1.077	1.073	1.082	5.28
48)	T	1,1,1,2-tetrac...	0.309	0.289	0.289	0.315	0.317	0.326	0.326	0.310	5.02
49)	T,C	ethylbenzene	2.165	1.886	1.909	2.008	2.021	2.041	2.034	2.009	4.59
50)	T	m,p-xylene	0.907	0.770	0.775	0.816	0.819	0.822	0.824	0.819	5.50
51)	T	o-xylene	0.828	0.693	0.706	0.753	0.757	0.765	0.770	0.753	5.92
52)	T	styrene	1.009	0.943	0.991	1.124	1.154	1.195	1.226	1.092	10.09
53)	T	isopropylbenzene	1.712	1.548	1.623	1.737	1.749	1.790	1.812	1.710	5.49
54)	T	bromobenzene	0.410	0.353	0.355	0.369	0.375	0.382	0.388	0.376	5.28
55)	T,P	bromoform	0.072	0.069	0.071	0.081	0.084	0.094	0.103	0.082#	15.86
56)	S	4-bromofluorob...	0.437	0.438	0.437	0.447	0.444	0.447	0.456	0.444	1.57
57)		1,2,3-trichlor...	0.059	0.050	0.050	0.052	0.052	0.052	0.054	0.053	5.71
58)	T	n-propylbenzene	2.212	2.001	2.099	2.228	2.255	2.304	2.326	2.204	5.24
59)	T	2-chlorotoluene	1.392	1.233	1.252	1.311	1.325	1.339	1.348	1.314	4.22
60)	T	4-chlorotoluene	1.554	1.381	1.400	1.478	1.492	1.510	1.528	1.478	4.36
61)	T	1,3,5-trimethy...	1.592	1.423	1.491	1.596	1.620	1.661	1.689	1.582	5.94
62)	I	1,4-dichlorobenzen...	----------ISTD----------								
63)	T	1,1,2,2-tetrac...	0.368	0.356	0.335	0.361	0.368	0.372	0.368	0.361	3.49
64)	T	tert-butylbenzene	3.012	2.748	2.850	2.982	3.033	3.081	3.057	2.966	4.11
65)	T	sec-butylbenzene	4.260	3.840	4.100	4.376	4.456	4.567	4.521	4.303	6.03
66)	T	1,2,4-trimethy...	3.901	3.210	3.317	3.520	3.549	3.631	3.584	3.530	6.32
67)	T	1,3-dichlorobe...	1.877	1.642	1.628	1.692	1.708	1.694	1.668	1.701	4.85
68)	T	p-isopropyltol...	3.161	2.922	3.195	3.513	3.579	3.723	3.734	3.404	9.20
69)	T	1,4-dichlorobe...	1.845	1.594	1.571	1.617	1.644	1.648	1.619	1.648	5.52
70)	T	1,2-dichlorobe...	1.482	1.296	1.310	1.349	1.362	1.362	1.325	1.355	4.54
71)	T	n-butylbenzene	2.245	2.080	2.366	2.755	2.832	3.146	3.231	2.665	16.75
72)	T	1,2-dibromo-3-...	0.040	0.035	0.035	0.039	0.040	0.042	0.046	0.039	10.08
73)	T	1,2,4-trichlor...	0.358	0.377	0.505	0.638	0.672	0.769	0.829	0.593	31.20
74)	T	hexachlorobuta...	0.488	0.419	0.500	0.544	0.555	0.595	0.619	0.531	12.82
75)	T	naphthalene	PQL=2	0.418	0.516	0.718	0.786	0.915	0.977	0.722	30.45
76)	T	1,2,3-trichlor...	0.206	0.221	0.311	0.435	0.474	0.562	0.604	0.402	39.65

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100602.D
Acq On : 6 Oct 2007 11:25 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 1 ppb,1,
Misc : 8260_W
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 09:36:17 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.538	96	498098	10.00	ug/L		0.00
35) chlorobenzene-d5	12.105	117	320694	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.875	152	135945	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.686	113	92203	6.36	ug/L		0.00
Spiked Amount 10.000			Recovery = 63.60%				
26) 1,2-dichloroethane-d4	7.130	65	82057	6.82	ug/L		0.00
Spiked Amount 10.000			Recovery = 68.20%				
38) toluene-d8	9.800	98	467972	11.71	ug/L		0.00
Spiked Amount 10.000			Recovery = 117.10%				
56) 4-bromofluorobenzene	14.093	95	140234	8.61	ug/L		0.00
Spiked Amount 10.000			Recovery = 86.10%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.809	85	8152	0.33	ug/L		97
3) chloromethane	2.058	50	15372	0.40	ug/L		97
4) vinyl chloride	2.192	62	15072	0.47	ug/L		96
5) bromomethane	2.624	94	4893	0.36	ug/L		93
6) chloroethane	2.758	64	9769	0.57	ug/L		98
7) trichlorofluoromethane	3.062	101	15602	0.45	ug/L	#	96
8) acrolein	3.682	56	3035	5.42	ug/L		80
9) 1,1-dichloroethene	3.737	96	12619	0.66	ug/L		92
10) acetone	3.901	43	4916	1.87	ug/L		95
11) carbon disulfide	3.998	76	44035	0.65	ug/L		99
12) methylene chloride	4.400	84	25438	1.19	ug/L		93
13) acrylonitrile	4.771	53	13169	6.64	ug/L		95
14) trans-1,2-dichloroethene	4.710	96	15096	0.69	ug/L		95
15) methyl-t-butyl ether	4.704	73	17744	0.60	ug/L		95
16) acetonitrile	4.290	41	7703	7.46	ug/L		89
17) 1,1-dichloroethane	5.269	63	27699	0.63	ug/L		98
18) vinyl acetate	5.336	43	7927	0.52	ug/L		100
19) cis-1,2-dichloroethene	6.036	96	15650	0.68	ug/L		96
20) 2,2-dichloropropane	5.993	77	20994	0.57	ug/L		97
22) chloroform	6.467	83	24057	0.58	ug/L		96
24) 1,1,1-trichloroethane	6.644	97	19941	0.61	ug/L		96
25) carbon tetrachloride	6.844	117	15911	0.61	ug/L		94
27) benzene	7.148	78	63422	0.79	ug/L		97
28) 1,1-dichloropropene	6.857	75	18560	0.63	ug/L		99
29) 1,2-dichloroethane	7.234	62	12251	0.62	ug/L		97
30) trichloroethene	8.042	95	14650	0.65	ug/L		98
31) 1,2-dichloropropane	8.395	63	13437	0.62	ug/L		94
32) dibromomethane	8.590	93	4470	0.49	ug/L		95
33) bromodichloromethane	8.821	83	13242	0.46	ug/L		96
34) 2-chloroethyl vinyl ether	9.240	63	1184	0.27	ug/L	#	61
36) cis-1,3-dichloropropene	9.453	75	14973	0.72	ug/L		95
37) 4-methyl-2-pentanone	9.690	43	3417	0.83	ug/L	#	86
39) toluene	9.903	92	40126	1.19	ug/L		94
40) 1,1,2-trichloroethane	10.609	83	5273	0.79	ug/L		97
41) 1,3-dichloropropane	10.864	76	12420	0.92	ug/L		99
42) tetrachloroethene	10.730	164	11889	0.89	ug/L		97
43) trans-1,3-dichloropropene	10.317	75	9797	0.74	ug/L		96
44) 2-hexanone	10.998	43	2098	1.32	ug/L	#	82

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100602.D
Acq On : 6 Oct 2007 11:25 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 1 ppb,1,
Misc : 8260_W
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 09:36:17 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

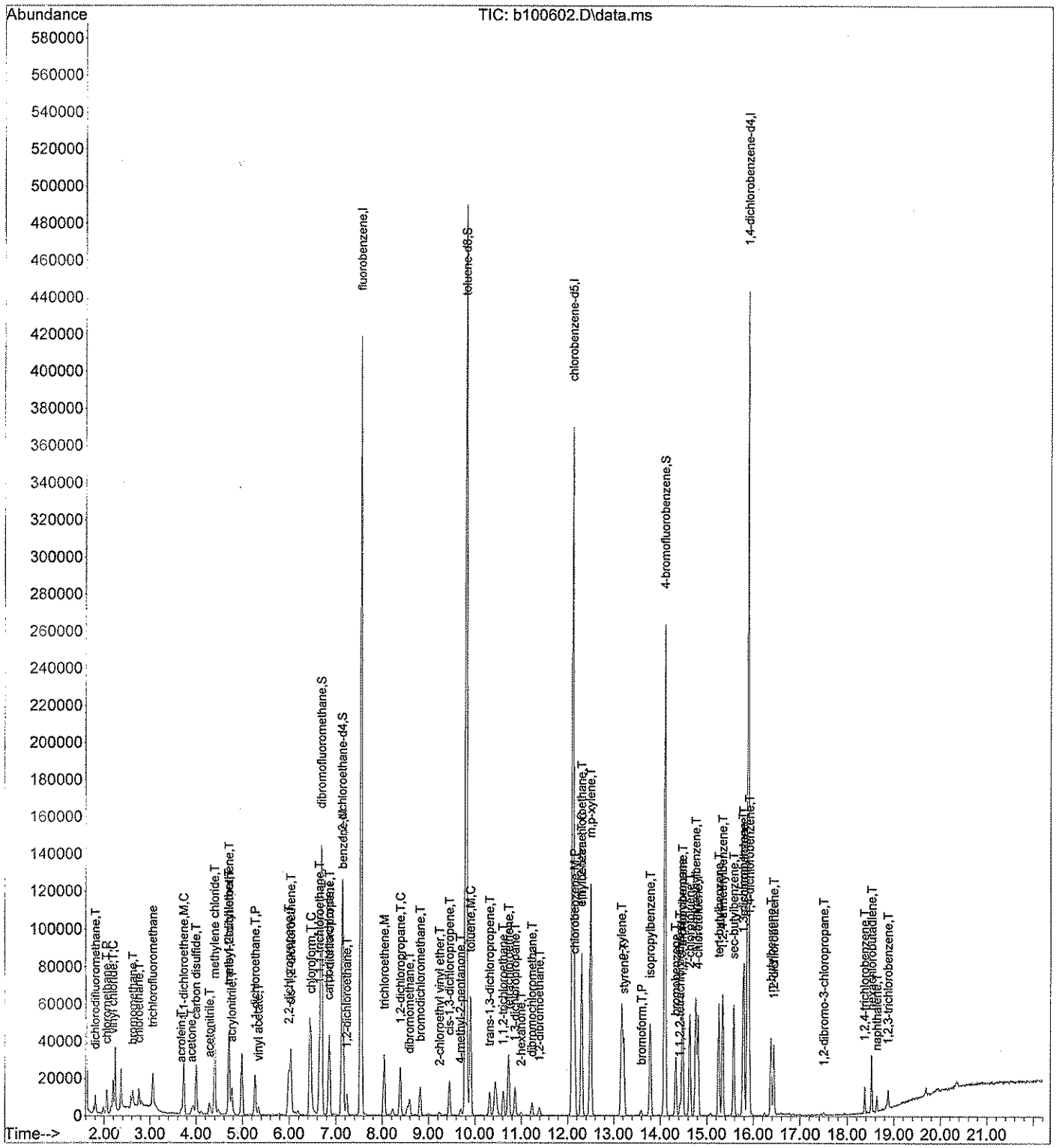
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) dibromochloromethane	11.229	129	5589	0.64	ug/L		97
46) 1,2-dibromoethane	11.393	107	5183	0.79	ug/L	#	99
47) chlorobenzene	12.147	112	38585	1.29	ug/L		97
48) 1,1,1,2-tetrachloroethane	12.299	131	9920	0.98	ug/L		99
49) ethylbenzene	12.299	91	69421	1.20	ug/L		100
50) m,p-xylene	12.494	106	58183	2.86	ug/L		99
51) o-xylene	13.163	106	26553	1.29	ug/L		98
52) styrene	13.218	104	32356	1.06	ug/L		99
53) isopropylbenzene	13.783	105	54904	1.17	ug/L		99
54) bromobenzene	14.337	156	13149	0.93	ug/L		98
55) bromoform	13.601	173	2295	0.37	ug/L		83
57) 1,2,3-trichloropropane	14.464	110	1882	1.21	ug/L		90
58) n-propylbenzene	14.476	91	70925	1.11	ug/L		100
59) 2-chlorotoluene	14.635	91	44642	1.14	ug/L		99
60) 4-chlorotoluene	14.811	91	49842	1.25	ug/L		100
61) 1,3,5-trimethylbenzene	14.762	105	51055	1.23	ug/L		100
63) 1,1,2,2-tetrachloroethane	14.422	83	4998	0.83	ug/L		98
64) tert-butylbenzene	15.255	119	40951	1.57	ug/L		99
65) sec-butylbenzene	15.577	105	57917	1.40	ug/L		100
66) 1,2,4-trimethylbenzene	15.334	105	53028	1.58	ug/L		99
67) 1,3-dichlorobenzene	15.778	146	25511	1.38	ug/L		97
68) p-isopropyltoluene	15.790	119	42967	1.45	ug/L		97
69) 1,4-dichlorobenzene	15.906	146	25085	1.47	ug/L		97
70) 1,2-dichlorobenzene	16.435	146	20153	1.34	ug/L		98
71) n-butylbenzene	16.374	91	30524	0.94	ug/L		99
72) 1,2-dibromo-3-chloropr...	17.493	75	543	0.78	ug/L	#	87
73) 1,2,4-trichlorobenzene	18.375	180	4862	0.56	ug/L		96
74) hexachlorobutadiene	18.521	225	6631	1.52	ug/L		93
75) naphthalene	18.636	128	6517	0.77	ug/L		100
76) 1,2,3-trichlorobenzene	18.873	180	2803	0.43	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100602.D
Acq On : 6 Oct 2007 11:25 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 1 ppb,1,
Misc : 8260_W
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 09:36:17 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100603.D
Acq On : 6 Oct 2007 11:57 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 2 ppb,1,
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 09:37:19 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.538	96	478169	10.00	ug/L		0.00
35) chlorobenzene-d5	12.105	117	314839	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.869	152	136458	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.686	113	90237	6.48	ug/L		0.00
Spiked Amount 10.000			Recovery =	64.80%			
26) 1,2-dichloroethane-d4	7.130	65	80521	6.97	ug/L		0.00
Spiked Amount 10.000			Recovery =	69.70%			
38) toluene-d8	9.800	98	456489	11.63	ug/L		0.00
Spiked Amount 10.000			Recovery =	116.30%			
56) 4-bromofluorobenzene	14.099	95	138056	8.63	ug/L		0.00
Spiked Amount 10.000			Recovery =	86.30%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.809	85	13647	0.57	ug/L		100
3) chloromethane	2.052	50	25385	0.68	ug/L		97
4) vinyl chloride	2.192	62	25317	0.82	ug/L		98
6) chloroethane	2.758	64	15749	0.96	ug/L		98
7) trichlorofluoromethane	3.062	101	28279	0.85	ug/L	#	100
8) acrolein	3.676	56	5043	9.39	ug/L		98
9) 1,1-dichloroethene	3.731	96	22089	1.20	ug/L		95
11) carbon disulfide	3.998	76	67268	1.03	ug/L		100
13) acrylonitrile	4.771	53	23403	12.30	ug/L		98
14) trans-1,2-dichloroethene	4.710	96	25285	1.20	ug/L		94
15) methyl-t-butyl ether	4.704	73	33268	1.17	ug/L		98
16) acetonitrile	4.284	41	11501	11.61	ug/L		95
17) 1,1-dichloroethane	5.269	63	46225	1.10	ug/L		99
19) cis-1,2-dichloroethene	6.035	96	26593	1.20	ug/L		93
20) 2,2-dichloropropane	5.993	77	35741	1.01	ug/L		99
22) chloroform	6.467	83	39735	0.99	ug/L		99
24) 1,1,1-trichloroethane	6.644	97	35274	1.13	ug/L		99
25) carbon tetrachloride	6.844	117	27907	1.12	ug/L		97
27) benzene	7.148	78	103941	1.35	ug/L		99
28) 1,1-dichloropropene	6.856	75	32956	1.17	ug/L		98
29) 1,2-dichloroethane	7.234	62	20627	1.09	ug/L		99
30) trichloroethene	8.042	95	25188	1.16	ug/L		99
31) 1,2-dichloropropane	8.389	63	23196	1.12	ug/L		99
32) dibromomethane	8.596	93	7335	0.84	ug/L		99
33) bromodichloromethane	8.821	83	22607	0.82	ug/L		99
36) cis-1,3-dichloropropene	9.453	75	26216	1.29	ug/L		98
37) 4-methyl-2-pentanone	9.690	43	6438	1.59	ug/L	#	86
39) toluene	9.897	92	66617	2.01	ug/L		99
40) 1,1,2-trichloroethane	10.615	83	9245	1.41	ug/L		90
41) 1,3-dichloropropane	10.864	76	21228	1.61	ug/L		100
42) tetrachloroethene	10.724	164	20484	1.56	ug/L		96
43) trans-1,3-dichloropropene	10.317	75	16662	1.28	ug/L		97
44) 2-hexanone	10.992	43	3446	2.21	ug/L		96
45) dibromochloromethane	11.229	129	10123	1.18	ug/L		85
46) 1,2-dibromoethane	11.393	107	9517	1.48	ug/L	#	97
47) chlorobenzene	12.147	112	65272	2.22	ug/L		98
48) 1,1,1,2-tetrachloroethane	12.299	131	18178	1.84	ug/L		97
49) ethylbenzene	12.299	91	118776	2.09	ug/L		98

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100603.D
Acq On : 6 Oct 2007 11:57 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 2 ppb,1,
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 09:37:19 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

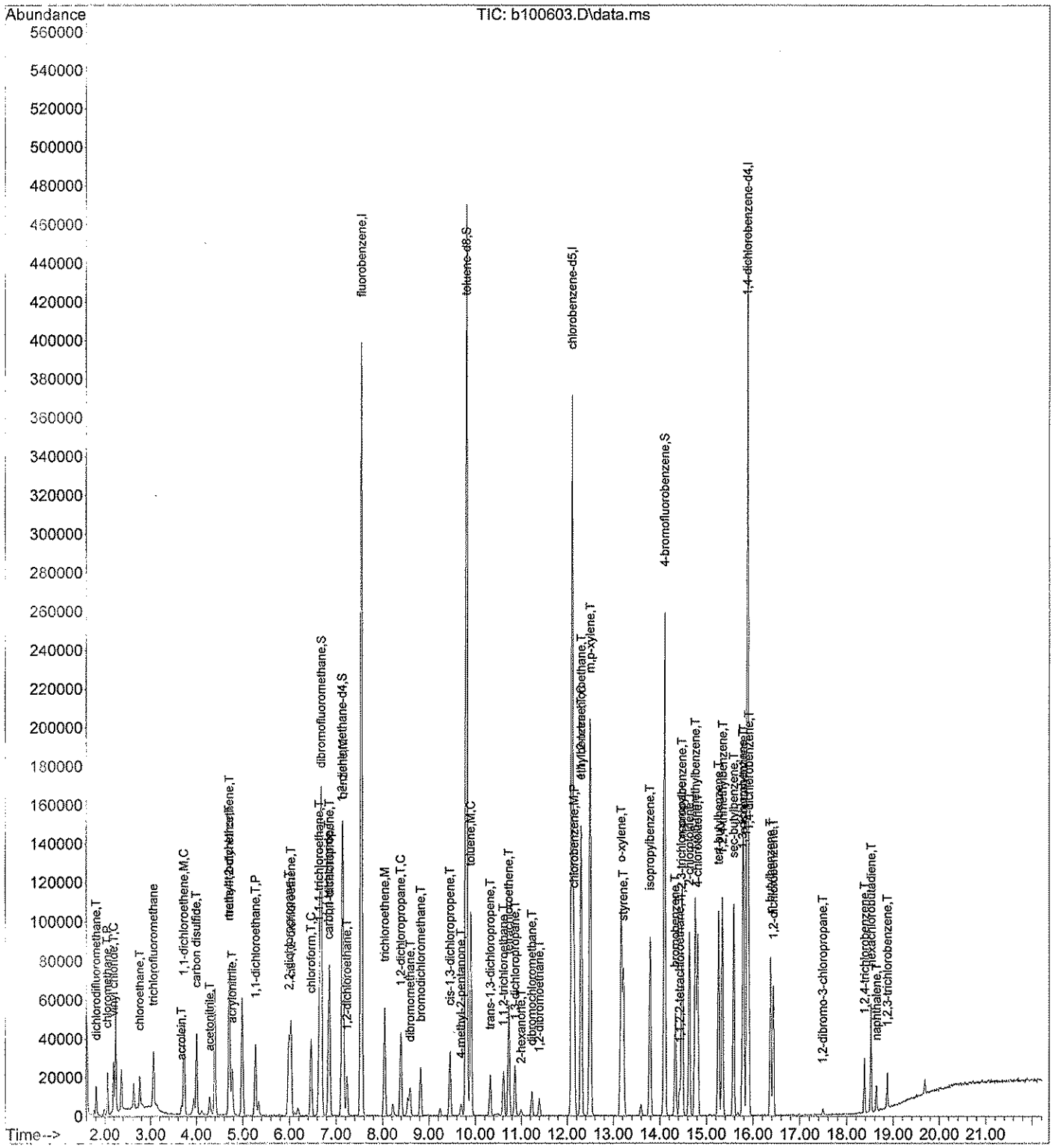
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) m,p-xylene	12.494	106	96947	4.86	ug/L		100
51) o-xylene	13.169	106	43609	2.16	ug/L		92
52) styrene	13.211	104	59364	1.98	ug/L		99
53) isopropylbenzene	13.783	105	97454	2.12	ug/L		100
54) bromobenzene	14.330	156	22199	1.60	ug/L		99
57) 1,2,3-trichloropropane	14.464	110	3149	2.06	ug/L		94
58) n-propylbenzene	14.476	91	126027	2.01	ug/L		100
59) 2-chlorotoluene	14.634	91	77619	2.02	ug/L		100
60) 4-chlorotoluene	14.811	91	86980	2.21	ug/L		99
61) 1,3,5-trimethylbenzene	14.762	105	89608	2.20	ug/L		99
63) 1,1,2,2-tetrachloroethane	14.428	83	9712	1.61	ug/L		97
64) tert-butylbenzene	15.255	119	75002	2.87	ug/L		99
65) sec-butylbenzene	15.577	105	104802	2.52	ug/L		100
66) 1,2,4-trimethylbenzene	15.340	105	87603	2.60	ug/L		99
67) 1,3-dichlorobenzene	15.772	146	44817	2.42	ug/L		99
68) p-isopropyltoluene	15.796	119	79749	2.68	ug/L		99
69) 1,4-dichlorobenzene	15.905	146	43496	2.54	ug/L		99
70) 1,2-dichlorobenzene	16.435	146	35363	2.35	ug/L		95
71) n-butylbenzene	16.368	91	56768	1.75	ug/L		96
72) 1,2-dibromo-3-chloropr...	17.487	75	953	1.36	ug/L	#	67
73) 1,2,4-trichlorobenzene	18.381	180	10278	1.18	ug/L		96
74) hexachlorobutadiene	18.520	225	11447	2.61	ug/L		98
75) naphthalene	18.636	128	11404	1.34	ug/L		100
76) 1,2,3-trichlorobenzene	18.873	180	6020	0.93	ug/L		88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100603.D
Acq On : 6 Oct 2007 11:57 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 2 ppb,1,
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 09:37:19 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100604.D
Acq On : 7 Oct 2007 12:28 am
Operator : JDB
Sample : ,ICAL,ICAL H20 4 ppb,1,
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 08 09:38:00 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.538	96	481428	10.00	ug/L		0.00
35) chlorobenzene-d5	12.105	117	314408	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.876	152	136158	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.687	113	90256	6.44	ug/L		0.00
Spiked Amount 10.000			Recovery = 64.40%				
26) 1,2-dichloroethane-d4	7.131	65	77887	6.69	ug/L		0.00
Spiked Amount 10.000			Recovery = 66.90%				
38) toluene-d8	9.800	98	456900	11.66	ug/L		0.00
Spiked Amount 10.000			Recovery = 116.60%				
56) 4-bromofluorobenzene	14.094	95	137328	8.60	ug/L		0.00
Spiked Amount 10.000			Recovery = 86.00%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.810	85	28880	1.20	ug/L		100
3) chloromethane	2.053	50	50109	1.34	ug/L		99
4) vinyl chloride	2.193	62	50890	1.64	ug/L		96
5) bromomethane	2.624	94	15699	1.19	ug/L		99
6) chloroethane	2.758	64	30465	1.84	ug/L		99
7) trichlorofluoromethane	3.062	101	58485	1.75	ug/L	#	99
8) acrolein	3.676	56	10010	18.51	ug/L		98
9) 1,1-dichloroethene	3.731	96	44895	2.43	ug/L		98
10) acetone	3.901	43	4927	1.94	ug/L		95
11) carbon disulfide	3.999	76	135457	2.06	ug/L		99
12) methylene chloride	4.394	84	55309	2.68	ug/L		99
13) acrylonitrile	4.765	53	47300	24.69	ug/L		98
14) trans-1,2-dichloroethene	4.710	96	50092	2.37	ug/L		98
15) methyl-t-butyl ether	4.704	73	63661	2.22	ug/L		96
16) acetonitrile	4.279	41	19839	19.89	ug/L		97
17) 1,1-dichloroethane	5.270	63	91893	2.17	ug/L		97
18) vinyl acetate	5.337	43	25507	1.73	ug/L		95
19) cis-1,2-dichloroethene	6.030	96	52505	2.34	ug/L		99
20) 2,2-dichloropropane	5.987	77	72916	2.04	ug/L		99
21) 2-butanone	6.115	72	1241	2.22	ug/L	#	76
22) chloroform	6.462	83	78132	1.94	ug/L		98
24) 1,1,1-trichloroethane	6.644	97	72028	2.29	ug/L		99
25) carbon tetrachloride	6.845	117	58218	2.32	ug/L		99
27) benzene	7.149	78	208144	2.68	ug/L		99
28) 1,1-dichloropropene	6.863	75	67830	2.39	ug/L		99
29) 1,2-dichloroethane	7.234	62	40662	2.13	ug/L		99
30) trichloroethene	8.043	95	50590	2.31	ug/L		97
31) 1,2-dichloropropane	8.390	63	46208	2.21	ug/L		96
32) dibromomethane	8.590	93	14420	1.65	ug/L		98
33) bromodichloromethane	8.821	83	45486	1.64	ug/L		98
34) 2-chloroethyl vinyl ether	9.241	63	5333	1.26	ug/L		98
36) cis-1,3-dichloropropene	9.448	75	52684	2.59	ug/L		99
37) 4-methyl-2-pentanone	9.691	43	12476	3.09	ug/L		96
39) toluene	9.904	92	130872	3.96	ug/L		96
40) 1,1,2-trichloroethane	10.609	83	18373	2.81	ug/L		98
41) 1,3-dichloropropane	10.865	76	40903	3.10	ug/L		99
42) tetrachloroethene	10.731	164	42192	3.23	ug/L		98
43) trans-1,3-dichloropropene	10.323	75	33737	2.59	ug/L		99

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100604.D
Acq On : 7 Oct 2007 12:28 am
Operator : JDB
Sample : ,ICAL,ICAL H20 4 ppb,1,
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 08 09:38:00 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

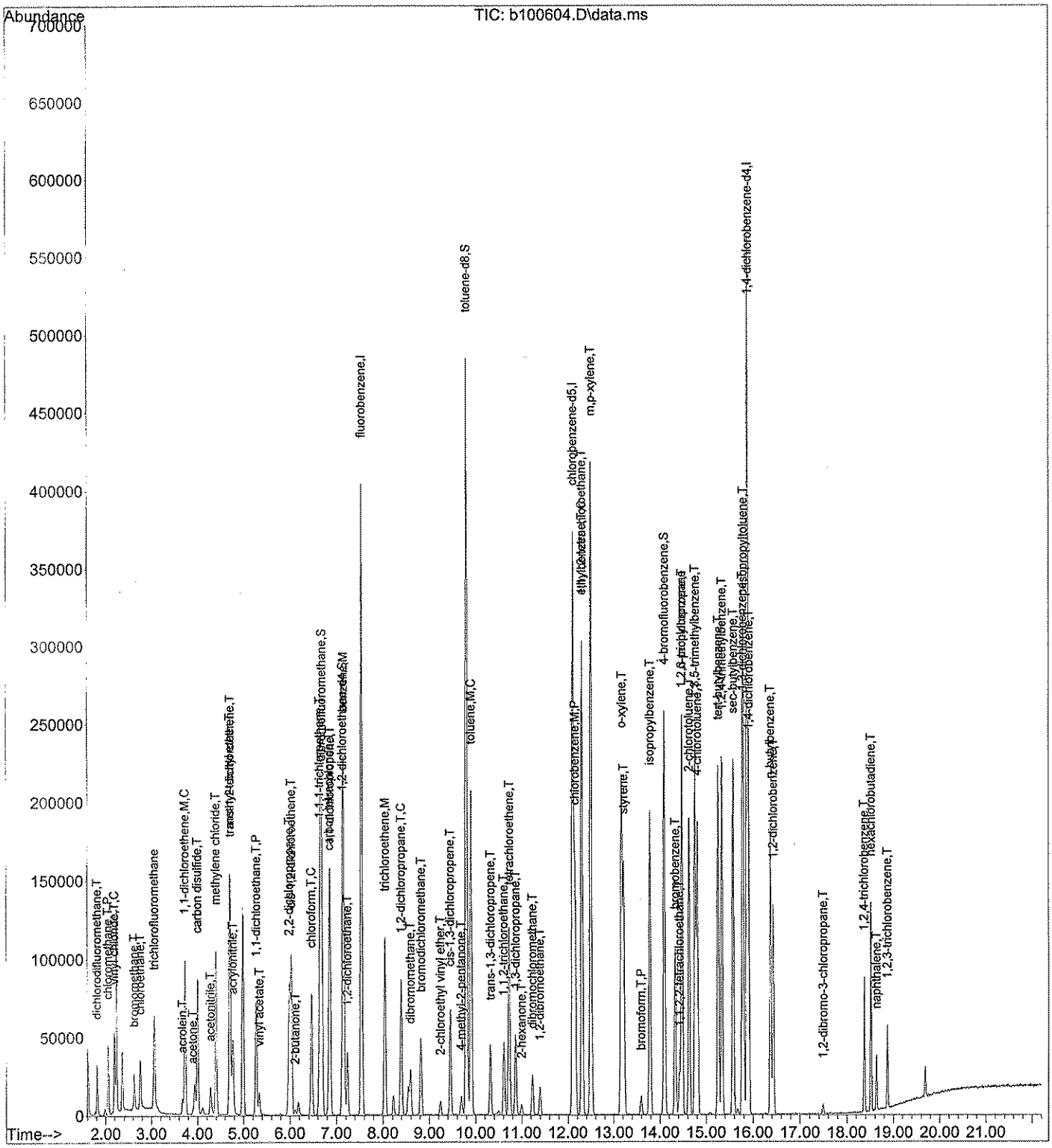
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2-hexanone	10.992	43	7121	4.57	ug/L		89
45) dibromochloromethane	11.229	129	20641	2.40	ug/L		97
46) 1,2-dibromoethane	11.394	107	18775	2.93	ug/L	#	99
47) chlorobenzene	12.148	112	129962	4.43	ug/L		97
48) 1,1,1,2-tetrachloroethane	12.300	131	36407	3.68	ug/L		100
49) ethylbenzene	12.300	91	240108	4.22	ug/L		99
50) m,p-xylene	12.494	106	194889	9.77	ug/L		100
51) o-xylene	13.169	106	88784	4.40	ug/L		97
52) styrene	13.212	104	124616	4.16	ug/L		98
53) isopropylbenzene	13.784	105	204108	4.45	ug/L		99
54) bromobenzene	14.337	156	44705	3.22	ug/L		99
55) bromoform	13.595	173	8873	1.47	ug/L		98
57) 1,2,3-trichloropropane	14.471	110	6260	4.11	ug/L		98
58) n-propylbenzene	14.477	91	263996	4.21	ug/L		100
59) 2-chlorotoluene	14.629	91	157488	4.10	ug/L		100
60) 4-chlorotoluene	14.811	91	176046	4.49	ug/L		100
61) 1,3,5-trimethylbenzene	14.763	105	187479	4.60	ug/L		100
63) 1,1,2,2-tetrachloroethane	14.422	83	18246	3.02	ug/L		91
64) tert-butylbenzene	15.255	119	155241	5.95	ug/L		100
65) sec-butylbenzene	15.578	105	223284	5.37	ug/L		100
66) 1,2,4-trimethylbenzene	15.334	105	180663	5.37	ug/L		100
67) 1,3-dichlorobenzene	15.772	146	88661	4.80	ug/L		99
68) p-isopropyltoluene	15.790	119	174027	5.86	ug/L		99
69) 1,4-dichlorobenzene	15.906	146	85548	5.00	ug/L		98
70) 1,2-dichlorobenzene	16.429	146	71363	4.75	ug/L		99
71) n-butylbenzene	16.368	91	128886	3.98	ug/L		99
72) 1,2-dibromo-3-chloropr...	17.493	75	1880	2.69	ug/L		94
73) 1,2,4-trichlorobenzene	18.375	180	27516	3.16	ug/L		95
74) hexachlorobutadiene	18.515	225	27211	6.22	ug/L		100
75) naphthalene	18.637	128	28085	3.31	ug/L		100
76) 1,2,3-trichlorobenzene	18.874	180	16943	2.62	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100604.D
Acq On : 7 Oct 2007 12:28 am
Operator : JDB
Sample : ,ICAL,ICAL H20 4 ppb,1,
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 08 09:38:00 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100605.D
Acq On : 7 Oct 2007 1:00 am
Operator : JDB
Sample : ,ICAL,ICAL H20 8 ppb,1,
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 08 09:38:21 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	482387	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	316644	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.873	152	141126	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.684	113	91522	6.52	ug/L		0.00
Spiked Amount 10.000			Recovery =	65.20%			
26) 1,2-dichloroethane-d4	7.128	65	80094	6.87	ug/L		0.00
Spiked Amount 10.000			Recovery =	68.70%			
38) toluene-d8	9.798	98	464621	11.77	ug/L		0.00
Spiked Amount 10.000			Recovery =	117.70%			
56) 4-bromofluorobenzene	14.097	95	141632	8.81	ug/L		0.00
Spiked Amount 10.000			Recovery =	88.10%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.813	85	59154	2.46	ug/L		96
3) chloromethane	2.056	50	99788	2.66	ug/L		99
4) vinyl chloride	2.196	62	104028	3.34	ug/L		96
5) bromomethane	2.622	94	34320	2.59	ug/L		97
6) chloroethane	2.761	64	61539	3.70	ug/L		94
7) trichlorofluoromethane	3.066	101	118226	3.52	ug/L	#	99
8) acrolein	3.674	56	20582	37.98	ug/L		94
9) 1,1-dichloroethene	3.734	96	93690	5.05	ug/L		99
10) acetone	3.905	43	9291	3.65	ug/L		88
11) carbon disulfide	4.002	76	285381	4.32	ug/L		99
12) methylene chloride	4.397	84	103539	5.01	ug/L		100
13) acrylonitrile	4.762	53	93162	48.52	ug/L		97
14) trans-1,2-dichloroethene	4.707	96	106761	5.03	ug/L		99
15) methyl-t-butyl ether	4.695	73	129217	4.51	ug/L		99
16) acetonitrile	4.276	41	39888	39.91	ug/L		100
17) 1,1-dichloroethane	5.267	63	190567	4.50	ug/L		99
18) vinyl acetate	5.334	43	56986	3.85	ug/L		98
19) cis-1,2-dichloroethene	6.027	96	109474	4.88	ug/L		99
20) 2,2-dichloropropane	5.991	77	151834	4.24	ug/L		99
21) 2-butanone	6.100	72	2752	4.92	ug/L		99
22) chloroform	6.465	83	162971	4.04	ug/L		100
24) 1,1,1-trichloroethane	6.641	97	151169	4.80	ug/L		98
25) carbon tetrachloride	6.842	117	125211	4.99	ug/L		98
27) benzene	7.152	78	433133	5.56	ug/L		99
28) 1,1-dichloropropene	6.860	75	142387	5.01	ug/L		99
29) 1,2-dichloroethane	7.237	62	84307	4.41	ug/L		97
30) trichloroethene	8.040	95	105705	4.81	ug/L		99
31) 1,2-dichloropropane	8.387	63	96761	4.62	ug/L		96
32) dibromomethane	8.593	93	30287	3.45	ug/L		99
33) bromodichloromethane	8.818	83	99470	3.58	ug/L		98
34) 2-chloroethyl vinyl ether	9.244	63	14142	3.34	ug/L		100
36) cis-1,3-dichloropropene	9.451	75	115370	5.63	ug/L		98
37) 4-methyl-2-pentanone	9.688	43	27087	6.66	ug/L		94
39) toluene	9.901	92	272178	8.18	ug/L		98
40) 1,1,2-trichloroethane	10.612	83	38815	5.89	ug/L		95
41) 1,3-dichloropropane	10.862	76	87022	6.55	ug/L		100
42) tetrachloroethene	10.728	164	87565	6.65	ug/L		96
43) trans-1,3-dichloropropene	10.321	75	74905	5.71	ug/L		98

Data Path : D:\msdchem\1\data\b100607\
Data File : b100605.D
Acq On : 7 Oct 2007 1:00 am
Operator : JDB
Sample : ,ICAL,ICAL H20 8 ppb,1,
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 08 09:38:21 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

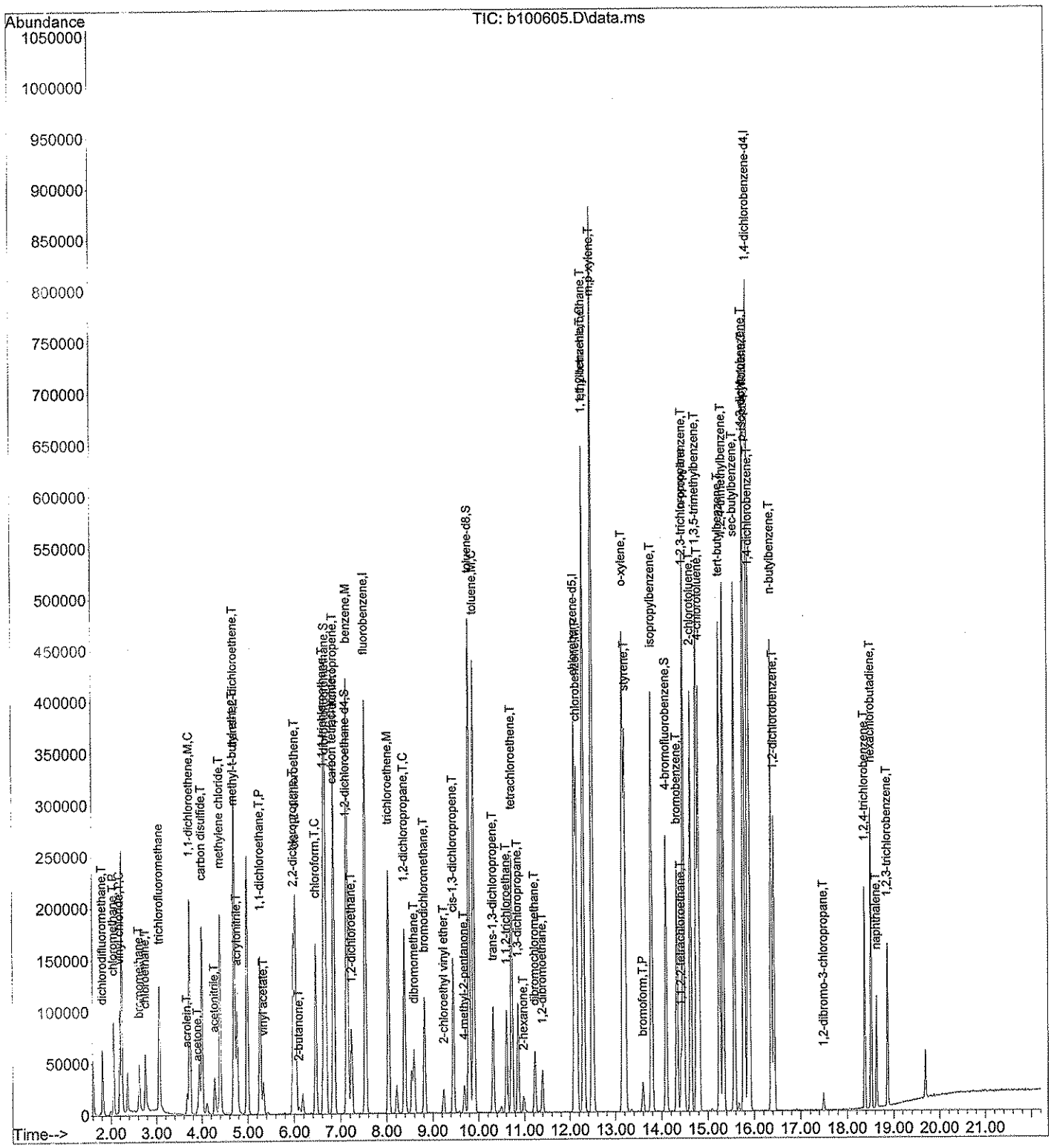
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2-hexanone	10.983	43	16500	10.51	ug/L	93
45)	dibromochloromethane	11.233	129	46806	5.40	ug/L	98
46)	1,2-dibromoethane	11.397	107	40444	6.26	ug/L	99
47)	chlorobenzene	12.151	112	269829	9.13	ug/L	97
48)	1,1,1,2-tetrachloroethane	12.303	131	79682	8.00	ug/L	99
49)	ethylbenzene	12.297	91	508657	8.88	ug/L	99
50)	m,p-xylene	12.492	106	413177	20.57	ug/L	100
51)	o-xylene	13.167	106	190621	9.38	ug/L	99
52)	styrene	13.215	104	284728	9.43	ug/L	98
53)	isopropylbenzene	13.787	105	440018	9.53	ug/L	100
54)	bromobenzene	14.334	156	93386	6.68	ug/L	99
55)	bromoform	13.592	173	20421	3.37	ug/L	95
57)	1,2,3-trichloropropane	14.468	110	13213	8.61	ug/L	100
58)	n-propylbenzene	14.474	91	564392	8.94	ug/L	100
59)	2-chlorotoluene	14.632	91	332126	8.59	ug/L	100
60)	4-chlorotoluene	14.809	91	374440	9.48	ug/L	100
61)	1,3,5-trimethylbenzene	14.760	105	404238	9.85	ug/L	100
63)	1,1,2,2-tetrachloroethane	14.425	83	40807	6.53	ug/L	96
64)	tert-butylbenzene	15.253	119	336652	12.45	ug/L	99
65)	sec-butylbenzene	15.575	105	494028	11.47	ug/L	100
66)	1,2,4-trimethylbenzene	15.338	105	397444	11.39	ug/L	100
67)	1,3-dichlorobenzene	15.776	146	191039	9.98	ug/L	99
68)	p-isopropyltoluene	15.794	119	396672	12.89	ug/L	99
69)	1,4-dichlorobenzene	15.903	146	182602	10.30	ug/L	99
70)	1,2-dichlorobenzene	16.432	146	152310	9.79	ug/L	99
71)	n-butylbenzene	16.371	91	311020	9.26	ug/L	97
72)	1,2-dibromo-3-chloropr...	17.490	75	4438	6.12	ug/L	99
73)	1,2,4-trichlorobenzene	18.378	180	72061	7.98	ug/L	99
74)	hexachlorobutadiene	18.518	225	61469	13.55	ug/L	99
75)	naphthalene	18.634	128	81059	9.22	ug/L	100
76)	1,2,3-trichlorobenzene	18.871	180	49119	7.32	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100605.D
Acq On : 7 Oct 2007 1:00 am
Operator : JDB
Sample : ,ICAL,ICAL H20 8 ppb,1,
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 08 09:38:21 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100606.D
Acq On : 7 Oct 2007 1:32 am
Operator : JDB
Sample : ,ICAL,ICAL H20 10 ppb,1,
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 08 09:30:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:29:57 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	485835	10.00	ug/L		0.00
35) chlorobenzene-d5	12.103	117	320209	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.873	152	142744	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.684	113	91343	6.46	ug/L		0.00
Spiked Amount 10.000			Recovery =	64.60%			
26) 1,2-dichloroethane-d4	7.128	65	79478	6.77	ug/L		0.00
Spiked Amount 10.000			Recovery =	67.70%			
38) toluene-d8	9.798	98	468232	11.73	ug/L		0.00
Spiked Amount 10.000			Recovery =	117.30%			
56) 4-bromofluorobenzene	14.097	95	142086	8.74	ug/L		0.00
Spiked Amount 10.000			Recovery =	87.40%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.813	85	73793	3.04	ug/L		96
3) chloromethane	2.056	50	129129	3.41	ug/L		97
4) vinyl chloride	2.196	62	135237	4.31	ug/L		91
5) bromomethane	2.622	94	45817	3.43	ug/L		97
6) chloroethane	2.756	64	78364	4.68	ug/L		96
7) trichlorofluoromethane	3.060	101	152795	4.52	ug/L	#	98
8) acrolein	3.674	56	26315	48.21	ug/L		88
9) 1,1-dichloroethene	3.735	96	118422	6.34	ug/L		99
10) acetone	3.899	43	11682	4.55	ug/L		87
11) carbon disulfide	4.002	76	361342	5.44	ug/L		96
12) methylene chloride	4.398	84	127223	6.11	ug/L		93
13) acrylonitrile	4.762	53	119277	61.69	ug/L		92
14) trans-1,2-dichloroethene	4.708	96	135169	6.33	ug/L		95
15) methyl-t-butyl ether	4.696	73	165523	5.73	ug/L		84
16) acetonitrile	4.276	41	48537	48.22	ug/L		98
17) 1,1-dichloroethane	5.267	63	241423	5.66	ug/L		94
18) vinyl acetate	5.334	43	68734	4.61	ug/L		93
19) cis-1,2-dichloroethene	6.027	96	140244	6.21	ug/L		94
20) 2,2-dichloropropane	5.985	77	191366	5.31	ug/L		98
21) 2-butanone	6.106	72	3635	6.46	ug/L	#	64
22) chloroform	6.465	83	208368	5.13	ug/L		99
24) 1,1,1-trichloroethane	6.642	97	192927	6.09	ug/L		95
25) carbon tetrachloride	6.842	117	160391	6.35	ug/L		97
27) benzene	7.152	78	548500	6.99	ug/L		97
28) 1,1-dichloropropene	6.860	75	179491	6.27	ug/L	#	91
29) 1,2-dichloroethane	7.231	62	106214	5.52	ug/L		92
30) trichloroethene	8.040	95	133806	6.04	ug/L		88
31) 1,2-dichloropropane	8.387	63	122142	5.79	ug/L		92
32) dibromomethane	8.594	93	38989	4.41	ug/L		100
33) bromodichloromethane	8.819	83	128560	4.59	ug/L		97
34) 2-chloroethyl vinyl ether	9.238	63	18576	4.36	ug/L	#	91
36) cis-1,3-dichloropropene	9.451	75	147882	7.14	ug/L		98
37) 4-methyl-2-pentanone	9.688	43	34646	8.42	ug/L	#	87
39) toluene	9.901	92	347052	10.31	ug/L		93
40) 1,1,2-trichloroethane	10.613	83	48923	7.35	ug/L		87
41) 1,3-dichloropropane	10.862	76	109468	8.14	ug/L	#	84
42) tetrachloroethene	10.728	164	109609	8.23	ug/L	#	79
43) trans-1,3-dichloropropene	10.321	75	96558	7.28	ug/L		97

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100606.D
Acq On : 7 Oct 2007 1:32 am
Operator : JDB
Sample : ,ICAL,ICAL H20 10 ppb,1,
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 08 09:30:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:29:57 2007
Response via : Initial Calibration

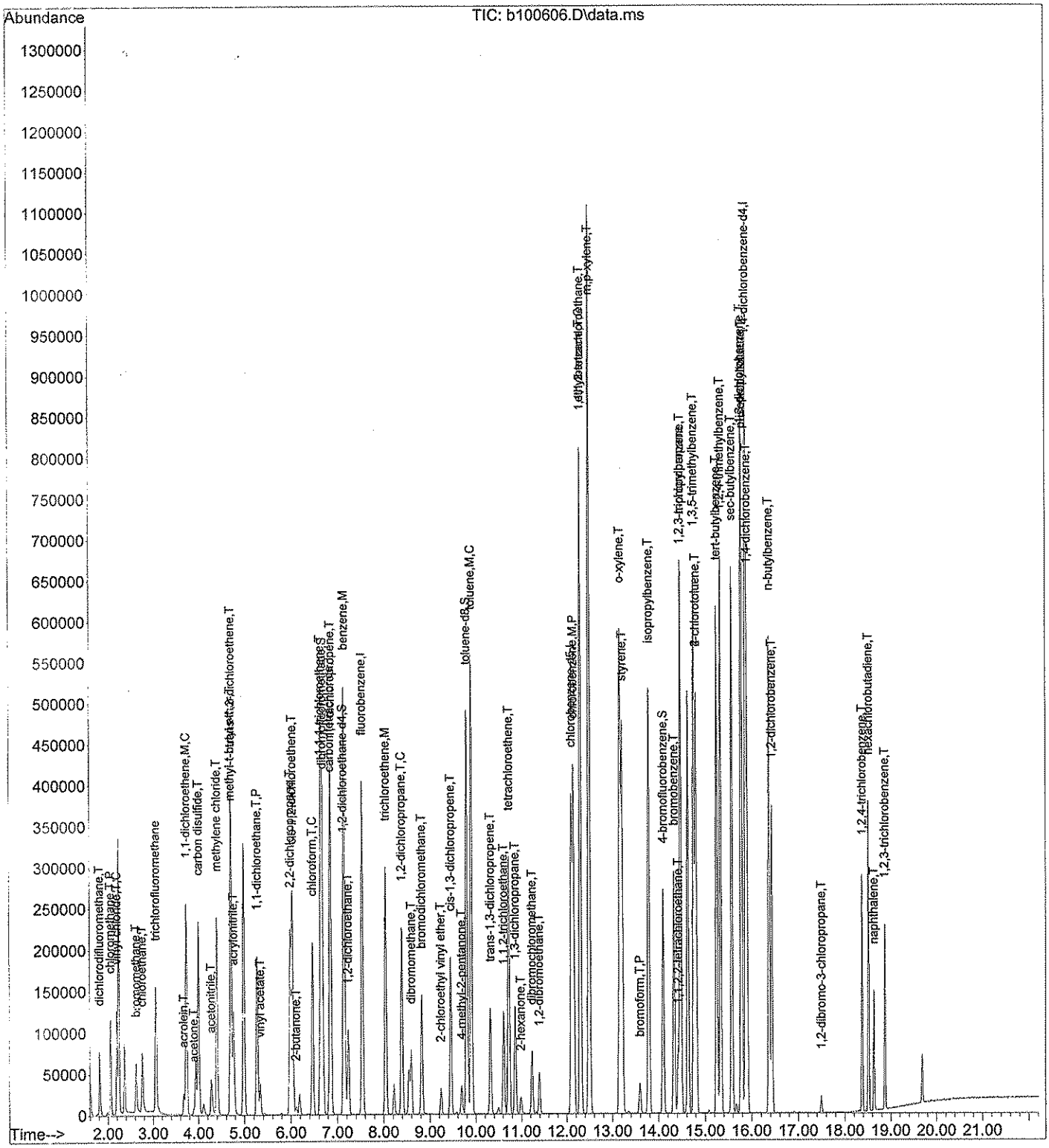
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2-hexanone	10.984	43	21026	13.25	ug/L	#	40
45) dibromochloromethane	11.233	129	61808	7.06	ug/L		93
46) 1,2-dibromoethane	11.391	107	51746	7.92	ug/L		96
47) chlorobenzene	12.145	112	344595	11.53	ug/L		92
48) 1,1,1,2-tetrachloroethane	12.303	131	101614	10.09	ug/L		91
49) ethylbenzene	12.297	91	647053	11.17	ug/L		88
50) m,p-xylene	12.492	106	524788	25.84	ug/L		91
51) o-xylene	13.167	106	242517	11.80	ug/L		92
52) styrene	13.215	104	369388	12.09	ug/L		91
53) isopropylbenzene	13.787	105	560018	11.99	ug/L		91
54) bromobenzene	14.334	156	120057	8.49	ug/L	#	79
55) bromoform	13.592	173	26803	4.37	ug/L		98
57) 1,2,3-trichloropropane	14.468	110	16635	10.72	ug/L	#	33
58) n-propylbenzene	14.474	91	722106	11.31	ug/L	#	89
59) 2-chlorotoluene	14.809	91	477734	11.98	ug/L		97
60) 4-chlorotoluene	14.809	91	477734	11.96	ug/L		93
61) 1,3,5-trimethylbenzene	14.760	105	518817	12.51	ug/L		89
63) 1,1,2,2-tetrachloroethane	14.426	83	52479	8.30	ug/L		95
64) tert-butylbenzene	15.253	119	432959	15.83	ug/L	#	83
65) sec-butylbenzene	15.575	105	636072	14.60	ug/L		93
66) 1,2,4-trimethylbenzene	15.338	105	506627	14.35	ug/L		92
67) 1,3-dichlorobenzene	15.776	146	243837	12.59	ug/L		93
68) p-isopropyltoluene	15.794	119	510839	16.42	ug/L		92
69) 1,4-dichlorobenzene	15.903	146	234609	13.09	ug/L		89
70) 1,2-dichlorobenzene	16.432	146	194457	12.36	ug/L		92
71) n-butylbenzene	16.372	91	404260	11.89	ug/L		91
72) 1,2-dibromo-3-chloropr...	17.491	75	5655	7.71	ug/L	#	60
73) 1,2,4-trichlorobenzene	18.379	180	95978	10.51	ug/L		97
74) hexachlorobutadiene	18.518	225	79216	17.27	ug/L		96
75) naphthalene	18.634	128	112246	12.62	ug/L		100
76) 1,2,3-trichlorobenzene	18.871	180	67648	9.96	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100606.D
Acq On : 7 Oct 2007 1:32 am
Operator : JDB
Sample : ,ICAL,ICAL H20 10 ppb,1,
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 08 09:30:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:29:57 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100607.D
Acq On : 7 Oct 2007 2:03 am
Operator : JDB
Sample : ,ICAL,ICAL H20 20 ppb,1,
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 08 09:38:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	491091	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	325093	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	146951	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.683	113	92580	6.48	ug/L		0.00
Spiked Amount 10.000			Recovery =	64.80%			
26) 1,2-dichloroethane-d4	7.133	65	79231	6.68	ug/L		0.00
Spiked Amount 10.000			Recovery =	66.80%			
38) toluene-d8	9.797	98	472095	11.65	ug/L		0.00
Spiked Amount 10.000			Recovery =	116.50%			
56) 4-bromofluorobenzene	14.097	95	145428	8.81	ug/L		0.00
Spiked Amount 10.000			Recovery =	88.10%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	148508	6.06	ug/L		99
3) chloromethane	2.055	50	267363	6.99	ug/L		99
4) vinyl chloride	2.195	62	279962	8.82	ug/L		97
5) bromomethane	2.609	94	58482	4.33	ug/L		97
6) chloroethane	2.749	64	152903	9.04	ug/L		97
7) trichlorofluoromethane	3.059	101	311271	9.11	ug/L	#	100
8) acrolein	3.673	56	56703	102.78	ug/L		96
9) 1,1-dichloroethene	3.728	96	240515	12.74	ug/L		98
10) acetone	3.892	43	23115	8.91	ug/L		86
11) carbon disulfide	4.001	76	737287	10.97	ug/L		100
12) methylene chloride	4.397	84	242808	11.54	ug/L		99
13) acrylonitrile	4.762	53	248718	127.25	ug/L		97
14) trans-1,2-dichloroethene	4.707	96	271833	12.59	ug/L		97
15) methyl-t-butyl ether	4.689	73	346441	11.87	ug/L		100
16) acetonitrile	4.275	41	100019	98.30	ug/L		96
17) 1,1-dichloroethane	5.266	63	487743	11.31	ug/L		99
18) vinyl acetate	5.333	43	144174	9.57	ug/L		99
19) cis-1,2-dichloroethene	6.033	96	283397	12.41	ug/L		98
20) 2,2-dichloropropane	5.990	77	387127	10.62	ug/L		100
21) 2-butanone	6.100	72	7667	13.47	ug/L		94
22) chloroform	6.464	83	415800	10.13	ug/L		99
24) 1,1,1-trichloroethane	6.641	97	390612	12.19	ug/L		99
25) carbon tetrachloride	6.841	117	328224	12.85	ug/L		99
27) benzene	7.152	78	1113691	14.04	ug/L		99
28) 1,1-dichloropropene	6.860	75	369768	12.79	ug/L		99
29) 1,2-dichloroethane	7.231	62	213862	11.00	ug/L		99
30) trichloroethene	8.039	95	272381	12.17	ug/L		97
31) 1,2-dichloropropane	8.392	63	248302	11.64	ug/L		96
32) dibromomethane	8.593	93	78338	8.77	ug/L		97
33) bromodichloromethane	8.818	83	266167	9.40	ug/L		100
34) 2-chloroethyl vinyl ether	9.244	63	43517	10.10	ug/L		98
36) cis-1,3-dichloropropene	9.450	75	307932	14.65	ug/L		98
37) 4-methyl-2-pentanone	9.681	43	73818	17.67	ug/L		95
39) toluene	9.900	92	705156	20.64	ug/L		99
40) 1,1,2-trichloroethane	10.612	83	99981	14.79	ug/L		98
41) 1,3-dichloropropane	10.861	76	227202	16.65	ug/L		99
42) tetrachloroethene	10.727	164	224046	16.57	ug/L		99
43) trans-1,3-dichloropropene	10.320	75	206476	15.33	ug/L		99

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100607.D
Acq On : 7 Oct 2007 2:03 am
Operator : JDB
Sample : ,ICAL,ICAL H20 20 ppb,1,
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 08 09:38:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

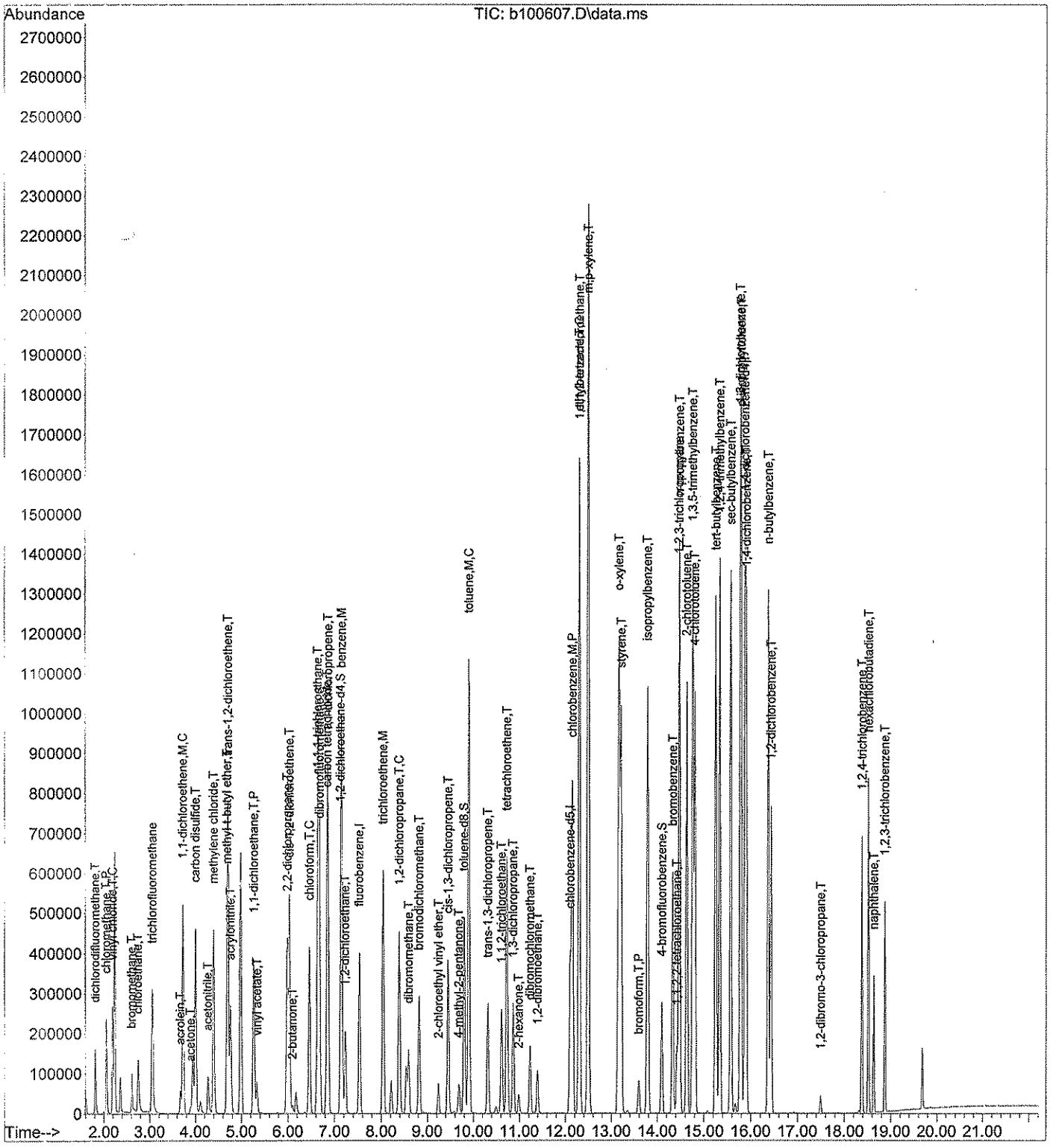
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2-hexanone	10.983	43	46049	28.58	ug/L	98
45) dibromochloromethane	11.232	129	131423	14.78	ug/L	99
46) 1,2-dibromoethane	11.396	107	107714	16.23	ug/L	99
47) chlorobenzene	12.150	112	700230	23.08	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.303	131	212008	20.74	ug/L	99
49) ethylbenzene	12.296	91	1326722	22.56	ug/L	99
50) m,p-xylene	12.491	106	1069071	51.85	ug/L	100
51) o-xylene	13.166	106	497075	23.82	ug/L	100
52) styrene	13.215	104	776884	25.05	ug/L	99
53) isopropylbenzene	13.780	105	1163909	24.55	ug/L	100
54) bromobenzene	14.334	156	248056	17.28	ug/L	99
55) bromoform	13.592	173	61082	9.81	ug/L	98
57) 1,2,3-trichloropropane	14.467	110	33804	21.45	ug/L	99
58) n-propylbenzene	14.474	91	1497930	23.10	ug/L	99
59) 2-chlorotoluene	14.632	91	870477	21.92	ug/L	99
60) 4-chlorotoluene	14.808	91	981707	24.21	ug/L	100
61) 1,3,5-trimethylbenzene	14.759	105	1079775	25.64	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.425	83	109302	16.79	ug/L	98
64) tert-butylbenzene	15.252	119	905543	32.15	ug/L	100
65) sec-butylbenzene	15.574	105	1342254	29.93	ug/L	100
66) 1,2,4-trimethylbenzene	15.337	105	1067228	29.37	ug/L	100
67) 1,3-dichlorobenzene	15.775	146	497767	24.97	ug/L	100
68) p-isopropyltoluene	15.793	119	1094271	34.16	ug/L	99
69) 1,4-dichlorobenzene	15.903	146	484475	26.25	ug/L	99
70) 1,2-dichlorobenzene	16.432	146	400291	24.71	ug/L	99
71) n-butylbenzene	16.371	91	924595	26.42	ug/L	99
72) 1,2-dibromo-3-chloropr...	17.490	75	12369	16.39	ug/L	95
73) 1,2,4-trichlorobenzene	18.378	180	226053	24.05	ug/L	97
74) hexachlorobutadiene	18.518	225	174999	37.05	ug/L	99
75) naphthalene	18.633	128	268831	29.36	ug/L	100
76) 1,2,3-trichlorobenzene	18.870	180	165176	23.63	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100607.D
Acq On : 7 Oct 2007 2:03 am
Operator : JDB
Sample : ,ICAL,ICAL H20 20 ppb,1,
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 08 09:38:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100608.D
Acq On : 7 Oct 2007 2:35 am
Operator : JDB
Sample : ,ICAL,ICAL H20 40 ppb,1,
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 08 09:39:36 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	492341	10.00	ug/L		0.00
35) chlorobenzene-d5	12.103	117	331863	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.873	152	154637	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.684	113	93831	6.55	ug/L		0.00
Spiked Amount 10.000			Recovery =	65.50%			
26) 1,2-dichloroethane-d4	7.128	65	79762	6.70	ug/L		0.00
Spiked Amount 10.000			Recovery =	67.00%			
38) toluene-d8	9.798	98	480308	11.61	ug/L		0.00
Spiked Amount 10.000			Recovery =	116.10%			
56) 4-bromofluorobenzene	14.097	95	151324	8.98	ug/L		0.00
Spiked Amount 10.000			Recovery =	89.80%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.807	85	285785	11.64	ug/L		100
3) chloromethane	2.050	50	533368	13.92	ug/L		99
4) vinyl chloride	2.196	62	555524	17.46	ug/L		97
5) bromomethane	2.604	94	34701	2.56	ug/L		99
6) chloroethane	2.737	64	298834	17.62	ug/L		99
7) trichlorofluoromethane	3.054	101	607860	17.75	ug/L	#	100
8) acrolein	3.668	56	119396	215.86	ug/L		98
9) 1,1-dichloroethene	3.729	96	488364	25.80	ug/L		100
10) acetone	3.893	43	45920	17.66	ug/L		96
11) carbon disulfide	3.996	76	1487475	22.08	ug/L		100
12) methylene chloride	4.398	84	478634	22.68	ug/L		98
13) acrylonitrile	4.762	53	501216	255.79	ug/L		99
14) trans-1,2-dichloroethene	4.708	96	548003	25.32	ug/L		99
15) methyl-t-butyl ether	4.689	73	705323	24.10	ug/L		98
16) acetonitrile	4.276	41	204317	200.29	ug/L		96
17) 1,1-dichloroethane	5.267	63	976565	22.58	ug/L		99
18) vinyl acetate	5.328	43	285626	18.91	ug/L		100
19) cis-1,2-dichloroethene	6.027	96	571754	24.97	ug/L		99
20) 2,2-dichloropropane	5.985	77	775370	21.21	ug/L		100
21) 2-butanone	6.088	72	16213	28.42	ug/L		93
22) chloroform	6.465	83	837053	20.34	ug/L		99
24) 1,1,1-trichloroethane	6.642	97	785356	24.45	ug/L		99
25) carbon tetrachloride	6.842	117	670318	26.17	ug/L		99
27) benzene	7.152	78	2228152	28.03	ug/L		100
28) 1,1-dichloropropene	6.860	75	744024	25.67	ug/L		99
29) 1,2-dichloroethane	7.231	62	432024	22.16	ug/L		99
30) trichloroethene	8.040	95	551717	24.58	ug/L		99
31) 1,2-dichloropropane	8.393	63	503062	23.53	ug/L		99
32) dibromomethane	8.594	93	160500	17.92	ug/L		99
33) bromodichloromethane	8.819	83	550821	19.41	ug/L		100
34) 2-chloroethyl vinyl ether	9.238	63	100804	23.34	ug/L		99
36) cis-1,3-dichloropropene	9.451	75	634154	29.55	ug/L		98
37) 4-methyl-2-pentanone	9.682	43	156756	36.76	ug/L		96
39) toluene	9.901	92	1428291	40.95	ug/L		98
40) 1,1,2-trichloroethane	10.613	83	204962	29.69	ug/L		98
41) 1,3-dichloropropane	10.862	76	460855	33.08	ug/L		99
42) tetrachloroethene	10.728	164	451035	32.69	ug/L		99
43) trans-1,3-dichloropropene	10.321	75	426340	31.02	ug/L		100

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100608.D
Acq On : 7 Oct 2007 2:35 am
Operator : JDB
Sample : ,ICAL,ICAL H20 40 ppb,1,
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 08 09:39:36 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

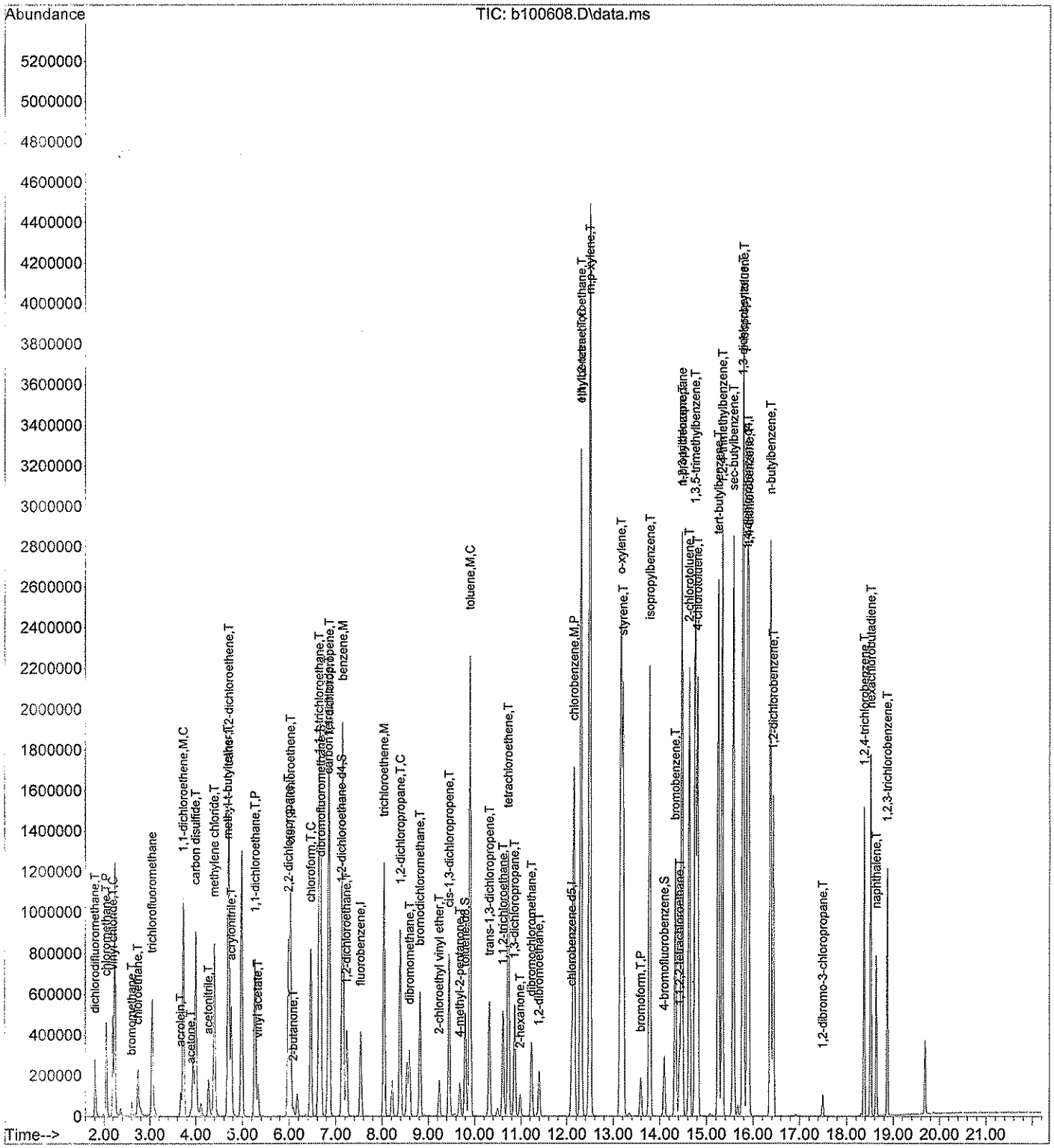
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2-hexanone	10.984	43	102802	62.50	ug/L	95
45) dibromochloromethane	11.233	129	287035	31.62	ug/L	96
46) 1,2-dibromoethane	11.391	107	221505	32.70	ug/L	100
47) chlorobenzene	12.151	112	1423746	45.97	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.303	131	432293	41.43	ug/L	100
49) ethylbenzene	12.303	91	2699855	44.98	ug/L	100
50) m,p-xylene	12.492	106	2188292	103.97	ug/L	97
51) o-xylene	13.167	106	1022460	47.99	ug/L	99
52) styrene	13.209	104	1627467	51.41	ug/L	99
53) isopropylbenzene	13.787	105	2404700	49.69	ug/L	100
54) bromobenzene	14.334	156	515178	35.16	ug/L	98
55) bromoform	13.592	173	136669	21.50	ug/L	98
57) 1,2,3-trichloropropane	14.474	110	71427	44.40	ug/L	99
58) n-propylbenzene	14.474	91	3087127	46.64	ug/L	100
59) 2-chlorotoluene	14.632	91	1790007	44.15	ug/L	99
60) 4-chlorotoluene	14.809	91	2027794	48.98	ug/L	100
61) 1,3,5-trimethylbenzene	14.760	105	2241760	52.14	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.426	83	227350	33.18	ug/L	95
64) tert-butylbenzene	15.253	119	1891061	63.81	ug/L	100
65) sec-butylbenzene	15.575	105	2796498	59.26	ug/L	100
66) 1,2,4-trimethylbenzene	15.338	105	2216644	57.97	ug/L	100
67) 1,3-dichlorobenzene	15.776	146	1031736	49.18	ug/L	100
68) p-isopropyltoluene	15.794	119	2309838	68.53	ug/L	99
69) 1,4-dichlorobenzene	15.903	146	1001480	51.57	ug/L	99
70) 1,2-dichlorobenzene	16.432	146	819821	48.09	ug/L	100
71) n-butylbenzene	16.372	91	1998557	54.28	ug/L	99
72) 1,2-dibromo-3-chloropr...	17.491	75	28460	35.84	ug/L	91
73) 1,2,4-trichlorobenzene	18.378	180	512879	51.84	ug/L	96
74) hexachlorobutadiene	18.518	225	382601	76.98	ug/L	99
75) naphthalene	18.634	128	604255	62.71	ug/L	100
76) 1,2,3-trichlorobenzene	18.871	180	373798	50.82	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100608.D
Acq On : 7 Oct 2007 2:35 am
Operator : JDB
Sample : ,ICAL,ICAL H20 40 ppb,1,
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 08 09:39:36 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



CONTINUING CALIBRATION RAW DATA

Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101103.D
Acq On : 11 Oct 2007 7:46 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 08:25:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	fluorobenzene	1.000	1.000	0.0	93	0.00
2	T	dichlorodifluoromethane	0.151	0.125	17.2	77	0.00
3	T,P	chloromethane	0.266	0.241#	9.4	84	0.00
4	T,C	vinyl chloride	0.278	0.242	12.9	81	0.00
5	T	bromomethane	0.090	0.079	12.2	78	0.01
6	T	chloroethane	0.164	0.136	17.1	79	0.02
7		trichlorofluoromethane	0.308	0.291	5.5	86	0.00
8	T	acrolein	0.006	0.005	16.7	83	0.00
9	M,C	1,1-dichloroethene	0.242	0.250	-3.3	96	0.00
10	T	acetone	0.024	0.024	0.0	94	0.00
11	T	carbon disulfide	0.754	0.754	0.0	95	0.00
12	T	methylene chloride	0.276	0.274	0.7	98	0.00
13	T	acrylonitrile	0.025	0.024	4.0	92	0.00
14	T	trans-1,2-dichloroethene	0.277	0.290	-4.7	97	0.00
15	T	methyl-t-butyl ether	0.346	0.328	5.2	90	0.00
16	T	acetonitrile	0.011	0.010	9.1	95	0.00
17	T,P	1,1-dichloroethane	0.500	0.502	-0.4	94	0.00
18	T	vinyl acetate	0.142	0.146	-2.8	96	0.00
19	T	cis-1,2-dichloroethene	0.288	0.295	-2.4	95	0.00
20	T	2,2-dichloropropane	0.393	0.398	-1.3	94	0.00
21	T	2-butanone	0.007	0.008	-14.3	94	0.02
22	T,C	chloroform	0.429	0.437	-1.9	95	0.00
23	S	dibromofluoromethane	0.188	0.203	-8.0	101	0.00
24	T	1,1,1-trichloroethane	0.390	0.393	-0.8	92	0.00
25	T	carbon tetrachloride	0.320	0.329	-2.8	93	0.00
26	S	1,2-dichloroethane-d4	0.164	0.174	-6.1	99	0.00
27	M	benzene	1.137	1.165	-2.5	96	0.00
28	T	1,1-dichloropropene	0.366	0.367	-0.3	93	0.00
29	T	1,2-dichloroethane	0.221	0.228	-3.2	97	0.00
30	M	trichloroethene	0.275	0.280	-1.8	95	0.00
31	T,C	1,2-dichloropropane	0.252	0.254	-0.8	94	0.00
32	T	dibromomethane	0.080	0.081	-1.3	94	0.00
33	T	bromodichloromethane	0.259	0.263	-1.5	93	0.00
34	T	2-chloroethyl vinyl ether	0.037	0.029	21.6#	71	0.00
35	I	chlorobenzene-d5	1.000	1.000	0.0	94	0.00
36	T	cis-1,3-dichloropropene	0.453	0.460	-1.5	93	0.00
37	T	4-methyl-2-pentanone	0.108	0.104	3.7	90	0.00
38	S	toluene-d8	1.456	1.513	-3.9	97	0.00
39	M,C	toluene	1.096	1.110	-1.3	96	0.00
40	T	1,1,2-trichloroethane	0.153	0.161	-5.2	99	0.00
41	T	1,3-dichloropropane	0.347	0.352	-1.4	96	0.00
42	T	tetrachloroethene	0.343	0.356	-3.8	97	0.00
43	T	trans-1,3-dichloropropene	0.296	0.303	-2.4	94	0.00
44	T	2-hexanone	0.065	0.060	7.7	86	0.00
45	T	dibromochloromethane	0.185	0.194	-4.9	94	0.00
46	T	1,2-dibromoethane	0.159	0.165	-3.8	95	0.00
47	M,P	chlorobenzene	1.081	1.115	-3.1	97	0.00
48	T	1,1,1,2-tetrachloroethane	0.310	0.331	-6.8	98	0.00
49	T,C	ethylbenzene	2.009	2.053	-2.2	95	0.00

Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101103.D
Acq On : 11 Oct 2007 7:46 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 08:25:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50	T	m,p-xylene	0.819	0.835	-2.0	95	0.00
51	T	o-xylene	0.753	0.750	0.4	93	0.00
52	T	styrene	1.092	1.141	-4.5	93	0.00
53	T	isopropylbenzene	1.710	1.770	-3.5	95	0.00
54	T	bromobenzene	0.376	0.395	-5.1	99	0.00
55	T,P	bromoform	0.082	0.085#	-3.7	96	0.00
56	S	4-bromofluorobenzene	0.444	0.453	-2.0	96	0.00
57		1,2,3-trichloropropane	0.053	0.057	-7.5	103	0.00
58	T	n-propylbenzene	2.204	2.325	-5.5	97	0.00
59	T	2-chlorotoluene	1.314	1.366	-4.0	97	0.00
60	T	4-chlorotoluene	1.478	1.553	-5.1	98	0.00
61	T	1,3,5-trimethylbenzene	1.582	1.671	-5.6	97	0.00
62	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
63	T	1,1,2,2-tetrachloroethane	0.361	0.376	-4.2	99	0.00
64	T	tert-butylbenzene	2.966	2.990	-0.8	96	0.00
65	T	sec-butylbenzene	4.303	4.518	-5.0	99	0.00
66	T	1,2,4-trimethylbenzene	3.530	3.580	-1.4	98	0.00
67	T	1,3-dichlorobenzene	1.701	1.775	-4.4	101	0.00
68	T	p-isopropyltoluene	3.404	3.628	-6.6	99	0.00
69	T	1,4-dichlorobenzene	1.648	1.714	-4.0	101	0.00
70	T	1,2-dichlorobenzene	1.355	1.417	-4.6	101	0.00
71	T	n-butylbenzene	2.665	2.861	-7.4	98	0.00
72	T	1,2-dibromo-3-chloropropane	0.039	0.039	0.0	96	0.00
73	T	1,2,4-trichlorobenzene	0.593	0.674	-13.7	97	0.00
74	T	hexachlorobutadiene	0.531	0.619	-16.6	108	0.00
75	T	naphthalene	0.722	0.718	0.6	89	0.00
76	T	1,2,3-trichlorobenzene	0.402	0.489	-21.6#	100	0.00

10/11/07 lmc OK

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101103.D
Acq On : 11 Oct 2007 7:46 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 08:25:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	453149	10.00	ug/L	0.00
35) chlorobenzene-d5	12.102	117	299885	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.873	152	138779	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.684	113	92183	10.80	ug/L	0.00
Spiked Amount 10.000			Recovery =	108.00%		
26) 1,2-dichloroethane-d4	7.134	65	78856	10.61	ug/L	0.00
Spiked Amount 10.000			Recovery =	106.10%		
38) toluene-d8	9.798	98	453611	10.39	ug/L	0.00
Spiked Amount 10.000			Recovery =	103.90%		
56) 4-bromofluorobenzene	14.097	95	135951	10.21	ug/L	0.00
Spiked Amount 10.000			Recovery =	102.10%		
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.813	85	56747	8.29	ug/L	100
3) chloromethane	2.056	50	109098	9.07	ug/L	99
4) vinyl chloride	2.196	62	109495	8.69	ug/L	95
5) bromomethane	2.616	94	35603	8.73	ug/L	99
6) chloroethane	2.755	64	61644	8.30	ug/L	98
7) trichlorofluoromethane	3.059	101	131919	9.44	ug/L #	99
8) acrolein	3.674	56	21735	85.76	ug/L	94
9) 1,1-dichloroethene	3.734	96	113378	10.32	ug/L	98
10) acetone	3.899	43	10995	10.06	ug/L	91
11) carbon disulfide	4.002	76	341683	10.00	ug/L	98
12) methylene chloride	4.397	84	124301	9.93	ug/L	97
13) acrylonitrile	4.762	53	109977	97.11	ug/L	97
14) trans-1,2-dichloroethene	4.707	96	131411	10.48	ug/L	98
15) methyl-t-butyl ether	4.695	73	148412	9.47	ug/L	99
16) acetonitrile	4.276	41	45898	90.12	ug/L	97
17) 1,1-dichloroethane	5.267	63	227410	10.04	ug/L	99
18) vinyl acetate	5.334	43	65970	10.26	ug/L	97
19) cis-1,2-dichloroethene	6.033	96	133898	10.26	ug/L	98
20) 2,2-dichloropropane	5.985	77	180500	10.14	ug/L	99
21) 2-butanone	6.106	72	3411	10.61	ug/L #	92
22) chloroform	6.465	83	198251	10.20	ug/L	100
24) 1,1,1-trichloroethane	6.641	97	177926	10.07	ug/L	98
25) carbon tetrachloride	6.842	117	148901	10.26	ug/L	99
27) benzene	7.152	78	528088	10.25	ug/L	100
28) 1,1-dichloropropene	6.860	75	166355	10.03	ug/L	100
29) 1,2-dichloroethane	7.237	62	103403	10.33	ug/L	99
30) trichloroethene	8.040	95	126759	10.16	ug/L	99
31) 1,2-dichloropropane	8.387	63	115041	10.08	ug/L	98
32) dibromomethane	8.593	93	36565	10.06	ug/L	96
33) bromodichloromethane	8.818	83	119011	10.15	ug/L	99
34) 2-chloroethyl vinyl ether	9.244	63	13241	7.89	ug/L	98
36) cis-1,3-dichloropropene	9.451	75	137997	10.16	ug/L	99
37) 4-methyl-2-pentanone	9.688	43	31101	9.60	ug/L	92
39) toluene	9.901	92	332840	10.13	ug/L	99
40) 1,1,2-trichloroethane	10.612	83	48301	10.52	ug/L	98
41) 1,3-dichloropropane	10.868	76	105558	10.13	ug/L	99
42) tetrachloroethene	10.728	164	106825	10.37	ug/L	97
43) trans-1,3-dichloropropene	10.321	75	90806	10.22	ug/L	100

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101103.D
Acq On : 11 Oct 2007 7:46 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 08:25:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

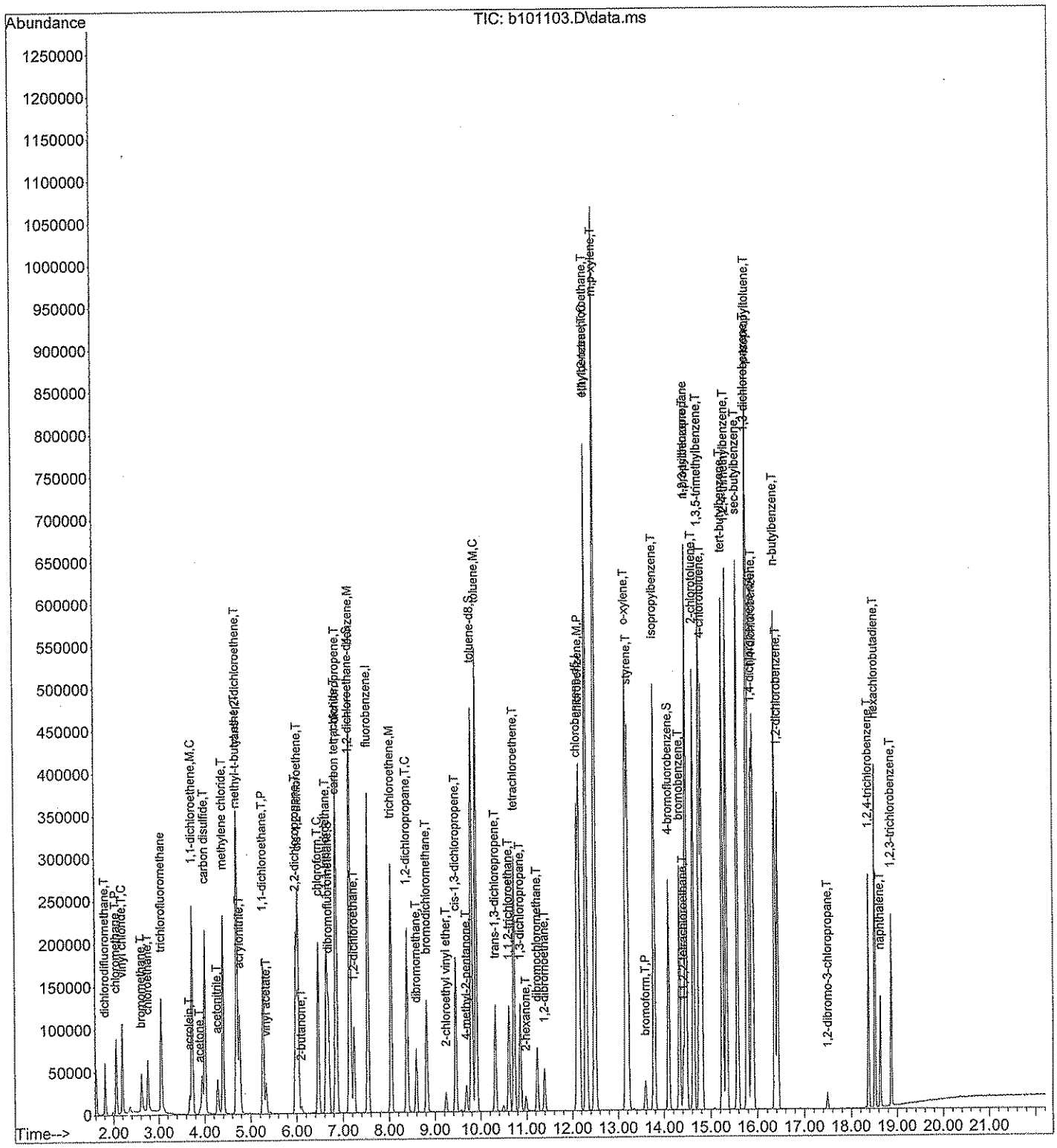
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) 2-hexanone	10.990	43	18058	9.25 ug/L	91
45) dibromochloromethane	11.233	129	58041	10.46 ug/L	100
46) 1,2-dibromoethane	11.397	107	49338	10.32 ug/L	99
47) chlorobenzene	12.151	112	334234	10.31 ug/L	99
48) 1,1,1,2-tetrachloroethane	12.297	131	99233	10.67 ug/L	100
49) ethylbenzene	12.297	91	615523	10.22 ug/L	100
50) m,p-xylene	12.498	106	500850	20.39 ug/L	100
51) o-xylene	13.167	106	224848	9.96 ug/L	99
52) styrene	13.215	104	342249	10.46 ug/L	98
53) isopropylbenzene	13.781	105	530945	10.35 ug/L	100
54) bromobenzene	14.334	156	118349	10.50 ug/L	97
55) bromoform	13.598	173	25637	10.46 ug/L	97
57) 1,2,3-trichloropropane	14.474	110	17171	10.88 ug/L	98
58) n-propylbenzene	14.474	91	697366	10.55 ug/L	100
59) 2-chlorotoluene	14.632	91	409553	10.39 ug/L	99
60) 4-chlorotoluene	14.809	91	465863	10.51 ug/L	99
61) 1,3,5-trimethylbenzene	14.760	105	501256	10.57 ug/L	100
63) 1,1,2,2-tetrachloroethane	14.425	83	52112	10.40 ug/L	94
64) tert-butylbenzene	15.253	119	415008	10.08 ug/L	99
65) sec-butylbenzene	15.575	105	626975	10.50 ug/L	100
66) 1,2,4-trimethylbenzene	15.338	105	496800	10.14 ug/L	99
67) 1,3-dichlorobenzene	15.776	146	246305	10.43 ug/L	99
68) p-isopropyltoluene	15.794	119	503546	10.66 ug/L	99
69) 1,4-dichlorobenzene	15.903	146	237828	10.40 ug/L	99
70) 1,2-dichlorobenzene	16.432	146	196641	10.45 ug/L	99
71) n-butylbenzene	16.372	91	397060	10.74 ug/L	99
72) 1,2-dibromo-3-chloropr...	17.497	75	5428	9.91 ug/L	93
73) 1,2,4-trichlorobenzene	18.378	180	93480	11.37 ug/L	94
74) hexachlorobutadiene	18.518	225	85905	11.65 ug/L	98
75) naphthalene	18.634	128	99692	9.96 ug/L	100
76) 1,2,3-trichlorobenzene	18.871	180	67925	12.18 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101103.D
Acq On : 11 Oct 2007 7:46 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 08:25:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101121.D
Acq On : 11 Oct 2007 5:54 pm
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 18:17:03 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	fluorobenzene	1.000	1.000	0.0	95	0.00
2	T	dichlorodifluoromethane	0.151	0.174	-15.2	109	0.00
3	T,P	chloromethane	0.266	0.298#	-12.0	107	0.00
4	T,C	vinyl chloride	0.278	0.298	-7.2	102	0.00
5	T	bromomethane	0.090	0.090	0.0	90	0.01
6	T	chloroethane	0.164	0.165	-0.6	97	0.02
7		trichlorofluoromethane	0.308	0.328	-6.5	99	0.00
8	T	acrolein	0.006	0.005	16.7	84	0.00
9	M,C	1,1-dichloroethene	0.242	0.243	-0.4	95	0.00
10	T	acetone	0.024	0.023	4.2	93	0.00
11	T	carbon disulfide	0.754	0.718	4.8	92	0.00
12	T	methylene chloride	0.276	0.284	-2.9	103	0.00
13	T	acrylonitrile	0.025	0.026	-4.0	100	0.00
14	T	trans-1,2-dichloroethene	0.277	0.289	-4.3	99	0.00
15	T	methyl-t-butyl ether	0.346	0.351	-1.4	98	0.00
16	T	acetonitrile	0.011	0.012	-9.1	110	0.00
17	T,P	1,1-dichloroethane	0.500	0.496	0.8	95	0.00
18	T	vinyl acetate	0.142	0.139	2.1	94	0.00
19	T	cis-1,2-dichloroethene	0.288	0.294	-2.1	97	0.00
20	T	2,2-dichloropropane	0.393	0.388	1.3	94	0.00
21	T	2-butanone	0.007	0.007	0.0	94	0.01
22	T,C	chloroform	0.429	0.430	-0.2	95	0.00
23	S	dibromofluoromethane	0.188	0.202	-7.4	102	0.00
24	T	1,1,1-trichloroethane	0.390	0.391	-0.3	94	0.00
25	T	carbon tetrachloride	0.320	0.323	-0.9	93	0.00
26	S	1,2-dichloroethane-d4	0.164	0.172	-4.9	100	0.00
27	M	benzene	1.137	1.158	-1.8	98	0.00
28	T	1,1-dichloropropene	0.366	0.368	-0.5	95	0.00
29	T	1,2-dichloroethane	0.221	0.223	-0.9	97	0.00
30	M	trichloroethene	0.275	0.274	0.4	95	0.00
31	T,C	1,2-dichloropropane	0.252	0.255	-1.2	96	0.00
32	T	dibromomethane	0.080	0.082	-2.5	98	0.00
33	T	bromodichloromethane	0.259	0.257	0.8	92	0.00
34	T	2-chloroethyl vinyl ether	0.037	0.030	18.9	74	0.00
35	I	chlorobenzene-d5	1.000	1.000	0.0	96	0.00
36	T	cis-1,3-dichloropropene	0.453	0.457	-0.9	95	0.00
37	T	4-methyl-2-pentanone	0.108	0.101	6.5	89	0.00
38	S	toluene-d8	1.456	1.504	-3.3	98	0.00
39	M,C	toluene	1.096	1.108	-1.1	98	0.00
40	T	1,1,2-trichloroethane	0.153	0.158	-3.3	99	0.00
41	T	1,3-dichloropropane	0.347	0.351	-1.2	98	0.00
42	T	tetrachloroethene	0.343	0.357	-4.1	100	0.00
43	T	trans-1,3-dichloropropene	0.296	0.296	0.0	94	0.00
44	T	2-hexanone	0.065	0.062	4.6	91	0.00
45	T	dibromochloromethane	0.185	0.186	-0.5	92	0.00
46	T	1,2-dibromoethane	0.159	0.162	-1.9	96	0.00
47	M,P	chlorobenzene	1.081	1.120	-3.6	99	0.00
48	T	1,1,1,2-tetrachloroethane	0.310	0.326	-5.2	98	0.00
49	T,C	ethylbenzene	2.009	2.056	-2.3	97	0.00

JN 10/11/07

Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101121.D
Acq On : 11 Oct 2007 5:54 pm
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 18:17:03 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50	T	m,p-xylene	0.819	0.843	-2.9	98	0.00
51	T	o-xylene	0.753	0.778	-3.3	98	0.00
52	T	styrene	1.092	1.178	-7.9	98	0.00
53	T	isopropylbenzene	1.710	1.769	-3.5	97	0.00
54	T	bromobenzene	0.376	0.398	-5.9	101	0.00
55	T,P	bromoform	0.082	0.083#	-1.2	95	0.00
56	S	4-bromofluorobenzene	0.444	0.453	-2.0	98	0.00
57		1,2,3-trichloropropane	0.053	0.057	-7.5	105	0.00
58	T	n-propylbenzene	2.204	2.328	-5.6	99	0.00
59	T	2-chlorotoluene	1.314	1.360	-3.5	98	0.00
60	T	4-chlorotoluene	1.478	1.554	-5.1	100	0.00
61	T	1,3,5-trimethylbenzene	1.582	1.670	-5.6	99	0.00
62	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
63	T	1,1,2,2-tetrachloroethane	0.361	0.370	-2.5	101	0.00
64	T	tert-butylbenzene	2.966	2.927	1.3	97	0.00
65	T	sec-butylbenzene	4.303	4.400	-2.3	100	0.00
66	T	1,2,4-trimethylbenzene	3.530	3.518	0.3	100	0.00
67	T	1,3-dichlorobenzene	1.701	1.739	-2.2	103	0.00
68	T	p-isopropyltoluene	3.404	3.530	-3.7	99	0.00
69	T	1,4-dichlorobenzene	1.648	1.701	-3.2	104	0.00
70	T	1,2-dichlorobenzene	1.355	1.397	-3.1	103	0.00
71	T	n-butylbenzene	2.665	2.838	-6.5	101	0.00
72	T	1,2-dibromo-3-chloropropane	0.039	0.036	7.7	92	0.00
73	T	1,2,4-trichlorobenzene	0.593	0.672	-13.3	101	0.00
74	T	hexachlorobutadiene	0.531	0.602	-13.4	109	0.00
75	T	naphthalene	0.722	0.729	-1.0	93	0.00
76	T	1,2,3-trichlorobenzene	0.402	0.494	-22.9#	105	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0 JW 10/11/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101121.D
Acq On : 11 Oct 2007 5:54 pm
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 18:17:03 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.536	96	462418	10.00	ug/L		0.00
35) chlorobenzene-d5	12.103	117	306057	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.873	152	143903	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.684	113	93401	10.73	ug/L		0.00
Spiked Amount 10.000			Recovery =	107.30%			
26) 1,2-dichloroethane-d4	7.128	65	79746	10.52	ug/L		0.00
Spiked Amount 10.000			Recovery =	105.20%			
38) toluene-d8	9.804	98	460163	10.33	ug/L		0.00
Spiked Amount 10.000			Recovery =	103.30%			
56) 4-bromofluorobenzene	14.097	95	138711	10.21	ug/L		0.00
Spiked Amount 10.000			Recovery =	102.10%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.813	85	80273	11.49	ug/L		100
3) chloromethane	2.056	50	137843	11.23	ug/L		98
4) vinyl chloride	2.196	62	137716	10.71	ug/L		98
5) bromomethane	2.616	94	41448	9.96	ug/L		99
6) chloroethane	2.756	64	76314	10.07	ug/L		99
7) trichlorofluoromethane	3.060	101	151889	10.65	ug/L	#	99
8) acrolein	3.674	56	22104	85.47	ug/L		90
9) 1,1-dichloroethene	3.735	96	112492	10.04	ug/L		97
10) acetone	3.899	43	10864	9.74	ug/L		90
11) carbon disulfide	4.002	76	332063	9.52	ug/L		100
12) methylene chloride	4.398	84	131539	10.29	ug/L		99
13) acrylonitrile	4.763	53	119439	103.35	ug/L		96
14) trans-1,2-dichloroethene	4.708	96	133627	10.44	ug/L		99
15) methyl-t-butyl ether	4.696	73	162409	10.15	ug/L		98
16) acetonitrile	4.276	41	53571	103.07	ug/L		98
17) 1,1-dichloroethane	5.267	63	229470	9.93	ug/L		100
18) vinyl acetate	5.334	43	64267	9.80	ug/L		100
19) cis-1,2-dichloroethene	6.028	96	135886	10.20	ug/L		99
20) 2,2-dichloropropane	5.985	77	179377	9.88	ug/L		98
21) 2-butanone	6.101	72	3432	10.46	ug/L		80
22) chloroform	6.465	83	198844	10.02	ug/L		100
24) 1,1,1-trichloroethane	6.642	97	180643	10.02	ug/L		98
25) carbon tetrachloride	6.842	117	149176	10.07	ug/L		99
27) benzene	7.153	78	535311	10.18	ug/L		99
28) 1,1-dichloropropene	6.861	75	170152	10.05	ug/L		99
29) 1,2-dichloroethane	7.232	62	103067	10.09	ug/L		99
30) trichloroethene	8.040	95	126922	9.97	ug/L		98
31) 1,2-dichloropropane	8.387	63	117708	10.11	ug/L		98
32) dibromomethane	8.594	93	38138	10.29	ug/L		96
33) bromodichloromethane	8.819	83	118845	9.93	ug/L		98
34) 2-chloroethyl vinyl ether	9.239	63	13790	8.05	ug/L		99
36) cis-1,3-dichloropropene	9.451	75	139861	10.09	ug/L		98
37) 4-methyl-2-pentanone	9.682	43	30961	9.36	ug/L		92
39) toluene	9.901	92	339220	10.12	ug/L		97
40) 1,1,2-trichloroethane	10.613	83	48282	10.31	ug/L		98
41) 1,3-dichloropropane	10.868	76	107474	10.11	ug/L		100
42) tetrachloroethene	10.728	164	109371	10.41	ug/L		95
43) trans-1,3-dichloropropene	10.315	75	90478	9.98	ug/L		100

JN 10/11/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101121.D
Acq On : 11 Oct 2007 5:54 pm
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 18:17:03 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

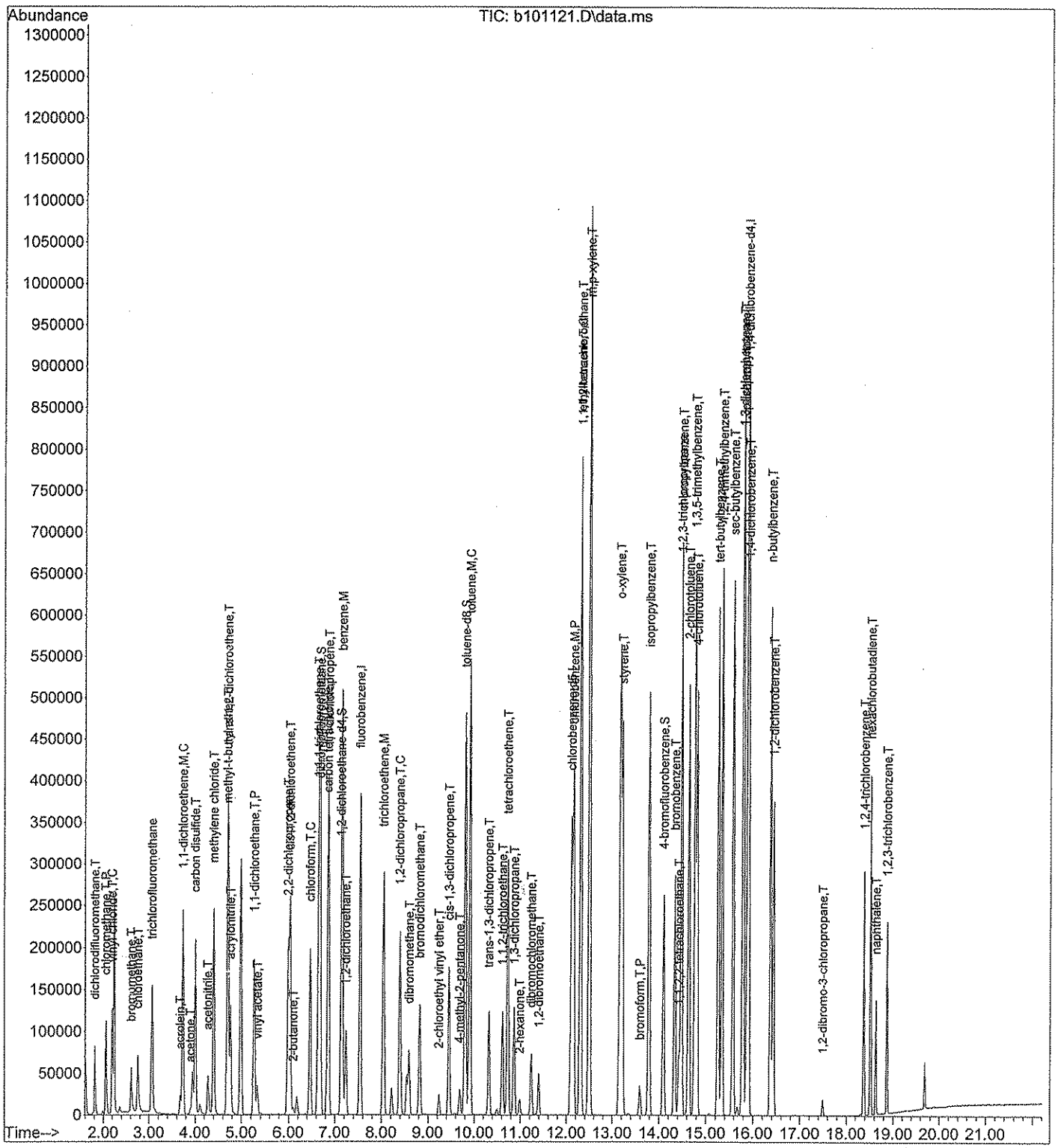
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2-hexanone	10.984	43	19127	9.60	ug/L	93
45) dibromochloromethane	11.233	129	57042	10.07	ug/L	97
46) 1,2-dibromoethane	11.397	107	49724	10.19	ug/L	99
47) chlorobenzene	12.151	112	342754	10.36	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.303	131	99715	10.50	ug/L	99
49) ethylbenzene	12.297	91	629193	10.23	ug/L	98
50) m,p-xylene	12.492	106	515799	20.58	ug/L	99
51) o-xylene	13.167	106	238147	10.33	ug/L	99
52) styrene	13.216	104	360568	10.79	ug/L	98
53) isopropylbenzene	13.787	105	541384	10.34	ug/L	99
54) bromobenzene	14.335	156	121712	10.58	ug/L	96
55) bromoform	13.593	173	25420	10.17	ug/L	97
57) 1,2,3-trichloropropane	14.468	110	17457	10.84	ug/L	94
58) n-propylbenzene	14.481	91	712538	10.57	ug/L	99
59) 2-chlorotoluene	14.633	91	416213	10.35	ug/L	99
60) 4-chlorotoluene	14.809	91	475638	10.52	ug/L	99
61) 1,3,5-trimethylbenzene	14.760	105	511154	10.56	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.426	83	53261	10.25	ug/L	97
64) tert-butylbenzene	15.253	119	421225	9.87	ug/L	100
65) sec-butylbenzene	15.575	105	633117	10.22	ug/L	100
66) 1,2,4-trimethylbenzene	15.338	105	506202	9.96	ug/L	100
67) 1,3-dichlorobenzene	15.776	146	250290	10.22	ug/L	99
68) p-isopropyltoluene	15.794	119	507916	10.37	ug/L	100
69) 1,4-dichlorobenzene	15.904	146	244750	10.32	ug/L	99
70) 1,2-dichlorobenzene	16.433	146	201015	10.31	ug/L	99
71) n-butylbenzene	16.372	91	408416	10.65	ug/L	99
72) 1,2-dibromo-3-chloropr...	17.491	75	5215	9.18	ug/L	92
73) 1,2,4-trichlorobenzene	18.379	180	96662	11.33	ug/L	98
74) hexachlorobutadiene	18.519	225	86631	11.33	ug/L	99
75) naphthalene	18.634	128	104906	10.10	ug/L	100
76) 1,2,3-trichlorobenzene	18.871	180	71062	12.29	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101121.D
Acq On : 11 Oct 2007 5:54 pm
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260+_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 18:17:03 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b101207\
Data File : b101204.D
Acq On : 12 Oct 2007 8:00 am
Operator : NLT
Sample : ,CCV,CCV 10 ppb,1,
Misc : 8260_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 08:42:53 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	fluorobenzene	1.000	1.000	0.0	92	0.00
2	T	dichlorodifluoromethane	0.151	0.144	4.6	88	0.00
3	T,P	chloromethane	0.266	0.250#	6.0	87	0.01
4	T,C	vinyl chloride	0.278	0.246	11.5	82	0.00
5	T	bromomethane	0.090	0.067	25.6#	66	0.02
6	T	chloroethane	0.164	0.140	14.6	80	0.02
7		trichlorofluoromethane	0.308	0.295	4.2	87	0.01
8	T	acrolein	0.006	0.005	16.7	89	0.01
9	M,C	1,1-dichloroethene	0.242	0.228	5.8	86	0.00
10	T	acetone	0.024	0.024	0.0	91	0.00
11	T	carbon disulfide	0.754	0.689	8.6	86	0.00
12	T	methylene chloride	0.276	0.276	0.0	97	0.00
13	T	acrylonitrile	0.025	0.023	8.0	88	0.00
14	T	trans-1,2-dichloroethene	0.277	0.262	5.4	87	0.00
15	T	methyl-t-butyl ether	0.346	0.316	8.7	86	0.00
16	T	acetonitrile	0.011	0.012	-9.1	108	0.00
17	T,P	1,1-dichloroethane	0.500	0.454	9.2	84	0.00
18	T	vinyl acetate	0.142	0.134	5.6	88	0.00
19	T	cis-1,2-dichloroethene	0.288	0.269	6.6	86	0.00
20	T	2,2-dichloropropane	0.393	0.349	11.2	82	0.00
21	T	2-butanone	0.007	0.007	0.0	84	0.01
22	T,C	chloroform	0.429	0.394	8.2	85	0.00
23	S	dibromofluoromethane	0.188	0.198	-5.3	97	0.00
24	T	1,1,1-trichloroethane	0.390	0.350	10.3	81	0.00
25	T	carbon tetrachloride	0.320	0.283	11.6	79	0.00
26	S	1,2-dichloroethane-d4	0.164	0.172	-4.9	97	0.00
27	M	benzene	1.137	1.050	7.7	86	0.00
28	T	1,1-dichloropropene	0.366	0.318	13.1	80	0.00
29	T	1,2-dichloroethane	0.221	0.207	6.3	88	0.00
30	M	trichloroethene	0.275	0.248	9.8	83	0.00
31	T,C	1,2-dichloropropane	0.252	0.231	8.3	85	0.00
32	T	dibromomethane	0.080	0.075	6.3	86	0.00
33	T	bromodichloromethane	0.259	0.237	8.5	83	0.00
34	T	2-chloroethyl vinyl ether	0.037	0.027	27.0#	65	0.00
35	I	chlorobenzene-d5	1.000	1.000	0.0	92	0.00
36	T	cis-1,3-dichloropropene	0.453	0.414	8.6	83	0.00
37	T	4-methyl-2-pentanone	0.108	0.092	14.8	78	0.00
38	S	toluene-d8	1.456	1.516	-4.1	96	0.00
39	M,C	toluene	1.096	0.995	9.2	85	0.00
40	T	1,1,2-trichloroethane	0.153	0.149	2.6	90	0.00
41	T	1,3-dichloropropane	0.347	0.325	6.3	88	0.00
42	T	tetrachloroethene	0.343	0.317	7.6	86	0.00
43	T	trans-1,3-dichloropropene	0.296	0.273	7.8	84	0.00
44	T	2-hexanone	0.065	0.054	16.9	76	0.00
45	T	dibromochloromethane	0.185	0.174	5.9	83	0.00
46	T	1,2-dibromoethane	0.159	0.153	3.8	88	0.00
47	M,P	chlorobenzene	1.081	1.007	6.8	87	0.00
48	T	1,1,1,2-tetrachloroethane	0.310	0.292	5.8	85	0.00
49	T,C	ethylbenzene	2.009	1.829	9.0	84	0.00

10/12/07

Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b101207\
Data File : b101204.D
Acq On : 12 Oct 2007 8:00 am
Operator : NLT
Sample : ,CCV,CCV 10 ppb,1,
Misc : 8260_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 08:42:53 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50	T	m,p-xylene	0.819	0.750	8.4	85	0.00
51	T	o-xylene	0.753	0.673	10.6	82	0.00
52	T	styrene	1.092	1.022	6.4	82	0.00
53	T	isopropylbenzene	1.710	1.544	9.7	82	0.00
54	T	bromobenzene	0.376	0.357	5.1	88	0.00
55	T,P	bromoform	0.082	0.076#	7.3	84	0.00
56	S	4-bromofluorobenzene	0.444	0.449	-1.1	94	0.00
57		1,2,3-trichloropropane	0.053	0.052	1.9	93	0.00
58	T	n-propylbenzene	2.204	2.061	6.5	84	0.00
59	T	2-chlorotoluene	1.314	1.225	6.8	85	0.00
60	T	4-chlorotoluene	1.478	1.397	5.5	87	0.00
61	T	1,3,5-trimethylbenzene	1.582	1.490	5.8	85	0.00
62	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
63	T	1,1,2,2-tetrachloroethane	0.361	0.347	3.9	92	0.00
64	T	tert-butylbenzene	2.966	2.587	12.8	83	0.00
65	T	sec-butylbenzene	4.303	3.862	10.2	84	0.00
66	T	1,2,4-trimethylbenzene	3.530	3.139	11.1	86	0.00
67	T	1,3-dichlorobenzene	1.701	1.578	7.2	90	0.00
68	T	p-isopropyltoluene	3.404	3.135	7.9	85	0.00
69	T	1,4-dichlorobenzene	1.648	1.541	6.5	91	0.00
70	T	1,2-dichlorobenzene	1.355	1.286	5.1	92	0.00
71	T	n-butylbenzene	2.665	2.417	9.3	83	0.00
72	T	1,2-dibromo-3-chloropropane	0.039	0.036	7.7	89	0.00
73	T	1,2,4-trichlorobenzene	0.593	0.589	0.7	85	0.00
74	T	hexachlorobutadiene	0.531	0.512	3.6	90	0.00
75	T	naphthalene	0.722	0.647	10.4	80	0.00
76	T	1,2,3-trichlorobenzene	0.402	0.436	-8.5	89	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101207\
Data File : b101204.D
Acq On : 12 Oct 2007 8:00 am
Operator : NLT
Sample : ,CCV,CCV 10 ppb,1,
Misc : 8260_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 08:42:53 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.541	96	449041	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	296021	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	138651	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.683	113	88908	10.51	ug/L		0.00
Spiked Amount 10.000			Recovery = 105.10%				
26) 1,2-dichloroethane-d4	7.127	65	77397	10.51	ug/L		0.00
Spiked Amount 10.000			Recovery = 105.10%				
38) toluene-d8	9.803	98	448754	10.41	ug/L		0.00
Spiked Amount 10.000			Recovery = 104.10%				
56) 4-bromofluorobenzene	14.097	95	132993	10.12	ug/L		0.00
Spiked Amount 10.000			Recovery = 101.20%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	64715	9.54	ug/L		100
3) chloromethane	2.062	50	112483	9.43	ug/L		98
4) vinyl chloride	2.195	62	110459	8.85	ug/L		98
5) bromomethane	2.621	94	30086	7.44	ug/L		99
6) chloroethane	2.761	64	62667	8.52	ug/L		99
7) trichlorofluoromethane	3.065	101	132473	9.56	ug/L	#	100
8) acrolein	3.679	56	23513	93.62	ug/L		92
9) 1,1-dichloroethene	3.734	96	102356	9.40	ug/L		99
10) acetone	3.898	43	10618	9.81	ug/L		87
11) carbon disulfide	4.002	76	309345	9.13	ug/L		100
12) methylene chloride	4.397	84	123806	9.98	ug/L		98
13) acrylonitrile	4.768	53	104434	93.06	ug/L		96
14) trans-1,2-dichloroethene	4.713	96	117672	9.47	ug/L		95
15) methyl-t-butyl ether	4.695	73	142097	9.15	ug/L		100
16) acetonitrile	4.275	41	52427	103.88	ug/L		98
17) 1,1-dichloroethane	5.266	63	203654	9.07	ug/L		100
18) vinyl acetate	5.333	43	60308	9.47	ug/L		99
19) cis-1,2-dichloroethene	6.033	96	120646	9.33	ug/L		98
20) 2,2-dichloropropane	5.990	77	156674	8.88	ug/L		100
21) 2-butanone	6.100	72	3060	9.61	ug/L	#	90
22) chloroform	6.465	83	176883	9.18	ug/L		99
24) 1,1,1-trichloroethane	6.641	97	157208	8.98	ug/L		100
25) carbon tetrachloride	6.848	117	127228	8.84	ug/L		99
27) benzene	7.152	78	471529	9.24	ug/L		99
28) 1,1-dichloropropene	6.860	75	142874	8.69	ug/L		99
29) 1,2-dichloroethane	7.237	62	93165	9.39	ug/L		97
30) trichloroethene	8.040	95	111393	9.01	ug/L		100
31) 1,2-dichloropropane	8.392	63	103882	9.19	ug/L		93
32) dibromomethane	8.587	93	33666	9.35	ug/L		97
33) bromodichloromethane	8.818	83	106238	9.14	ug/L		98
34) 2-chloroethyl vinyl ether	9.238	63	12132	7.30	ug/L		99
36) cis-1,3-dichloropropene	9.450	75	122582	9.14	ug/L		99
37) 4-methyl-2-pentanone	9.682	43	27096	8.47	ug/L		93
39) toluene	9.900	92	294489	9.08	ug/L		99
40) 1,1,2-trichloroethane	10.612	83	44067	9.72	ug/L		100
41) 1,3-dichloropropane	10.861	76	96158	9.35	ug/L		99
42) tetrachloroethene	10.728	164	93827	9.23	ug/L		97
43) trans-1,3-dichloropropene	10.320	75	80691	9.20	ug/L		99

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101207\
Data File : b101204.D
Acq On : 12 Oct 2007 8:00 am
Operator : NLT
Sample : ,CCV,CCV 10 ppb,1,
Misc : 8260_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 08:42:53 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

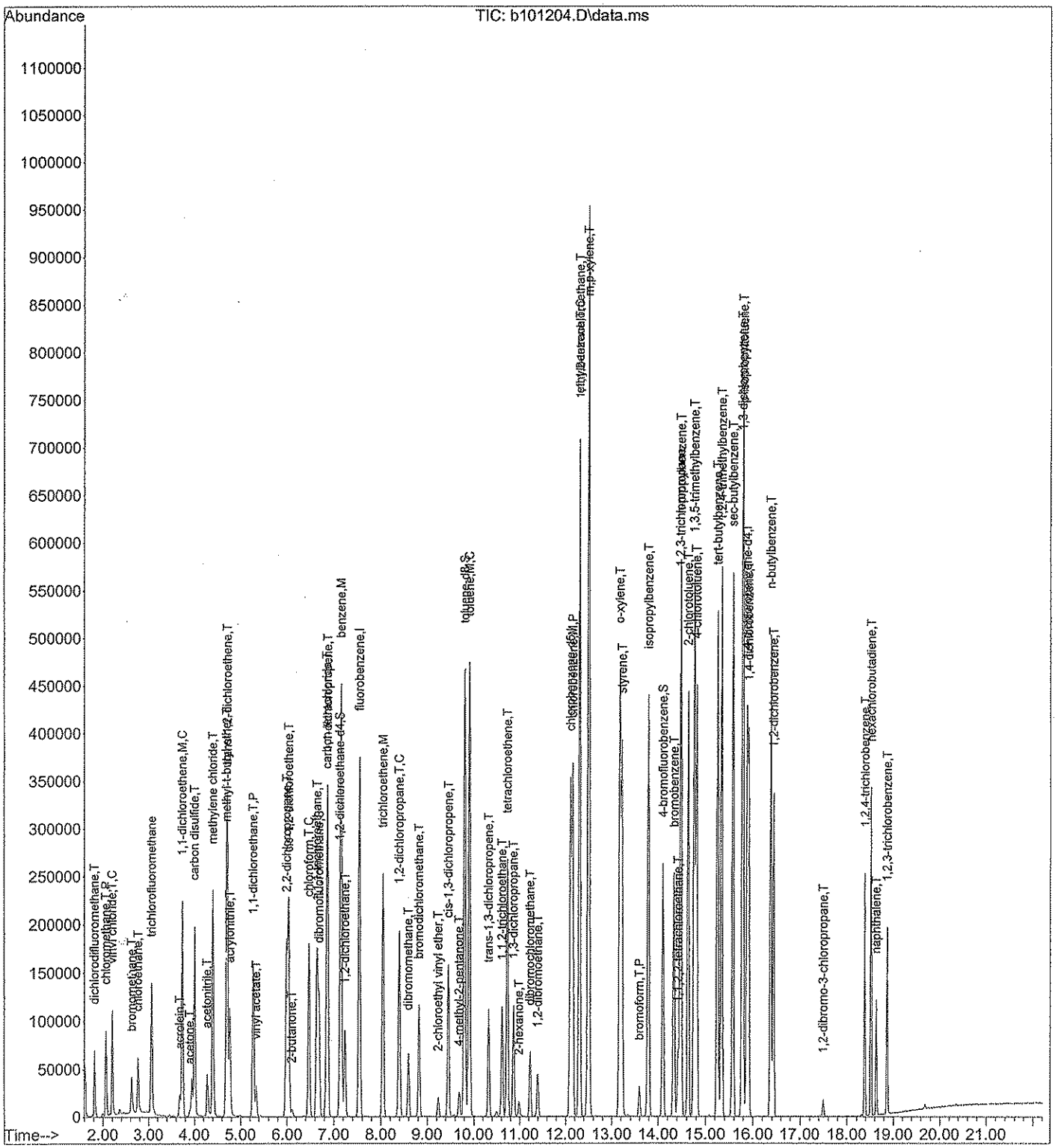
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2-hexanone	10.983	43	15965	8.29	ug/L	95
45)	dibromochloromethane	11.232	129	51446	9.39	ug/L	98
46)	1,2-dibromoethane	11.396	107	45331	9.61	ug/L	98
47)	chlorobenzene	12.151	112	298237	9.32	ug/L	98
48)	1,1,1,2-tetrachloroethane	12.303	131	86403	9.41	ug/L	98
49)	ethylbenzene	12.297	91	541456	9.10	ug/L	99
50)	m,p-xylene	12.491	106	444107	18.32	ug/L	100
51)	o-xylene	13.166	106	199261	8.94	ug/L	100
52)	styrene	13.215	104	302644	9.37	ug/L	98
53)	isopropylbenzene	13.786	105	457026	9.03	ug/L	99
54)	bromobenzene	14.334	156	105586	9.49	ug/L	97
55)	bromoform	13.592	173	22542	9.32	ug/L	92
57)	1,2,3-trichloropropane	14.468	110	15409	9.89	ug/L	97
58)	n-propylbenzene	14.474	91	610178	9.35	ug/L	100
59)	2-chlorotoluene	14.632	91	362554	9.32	ug/L	99
60)	4-chlorotoluene	14.808	91	413509	9.45	ug/L	99
61)	1,3,5-trimethylbenzene	14.759	105	441144	9.42	ug/L	100
63)	1,1,2,2-tetrachloroethane	14.425	83	48061	9.60	ug/L	95
64)	tert-butylbenzene	15.252	119	358750	8.72	ug/L	99
65)	sec-butylbenzene	15.574	105	535531	8.98	ug/L	100
66)	1,2,4-trimethylbenzene	15.337	105	435259	8.89	ug/L	100
67)	1,3-dichlorobenzene	15.775	146	218763	9.27	ug/L	99
68)	p-isopropyltoluene	15.793	119	434704	9.21	ug/L	99
69)	1,4-dichlorobenzene	15.903	146	213604	9.35	ug/L	98
70)	1,2-dichlorobenzene	16.432	146	178266	9.49	ug/L	98
71)	n-butylbenzene	16.371	91	335148	9.07	ug/L	100
72)	1,2-dibromo-3-chloropr...	17.490	75	5051	9.23	ug/L	96
73)	1,2,4-trichlorobenzene	18.378	180	81608	9.93	ug/L	98
74)	hexachlorobutadiene	18.518	225	71045	9.64	ug/L	99
75)	naphthalene	18.633	128	89721	8.97	ug/L	100
76)	1,2,3-trichlorobenzene	18.870	180	60387	10.84	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101207\
Data File : b101204.D
Acq On : 12 Oct 2007 8:00 am
Operator : NLT
Sample : ,CCV,CCV 10 ppb,1,
Misc : 8260_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 08:42:53 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



SAMPLE RAW DATA

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101113.D
Acq On : 11 Oct 2007 1:38 pm
Operator : NLT
Sample : ,SAMP,ME0710258-01A,1,
Misc : 8260+_W25
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 11 15:55:18 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.542	96	439192	10.00	ug/L	0.00
35) chlorobenzene-d5	12.103	117	287646	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.873	152	102154	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.684	113	88394	10.69	ug/L	0.00
Spiked Amount 10.000			Recovery =	106.90%		
26) 1,2-dichloroethane-d4	7.134	65	78424	10.89	ug/L	0.00
Spiked Amount 10.000			Recovery =	108.90%		
38) toluene-d8	9.804	98	428292	10.23	ug/L	0.00
Spiked Amount 10.000			Recovery =	102.30%		
56) 4-bromofluorobenzene	14.103	95	120291	9.42	ug/L	0.00
Spiked Amount 10.000			Recovery =	94.20%		
Target Compounds						Qvalue

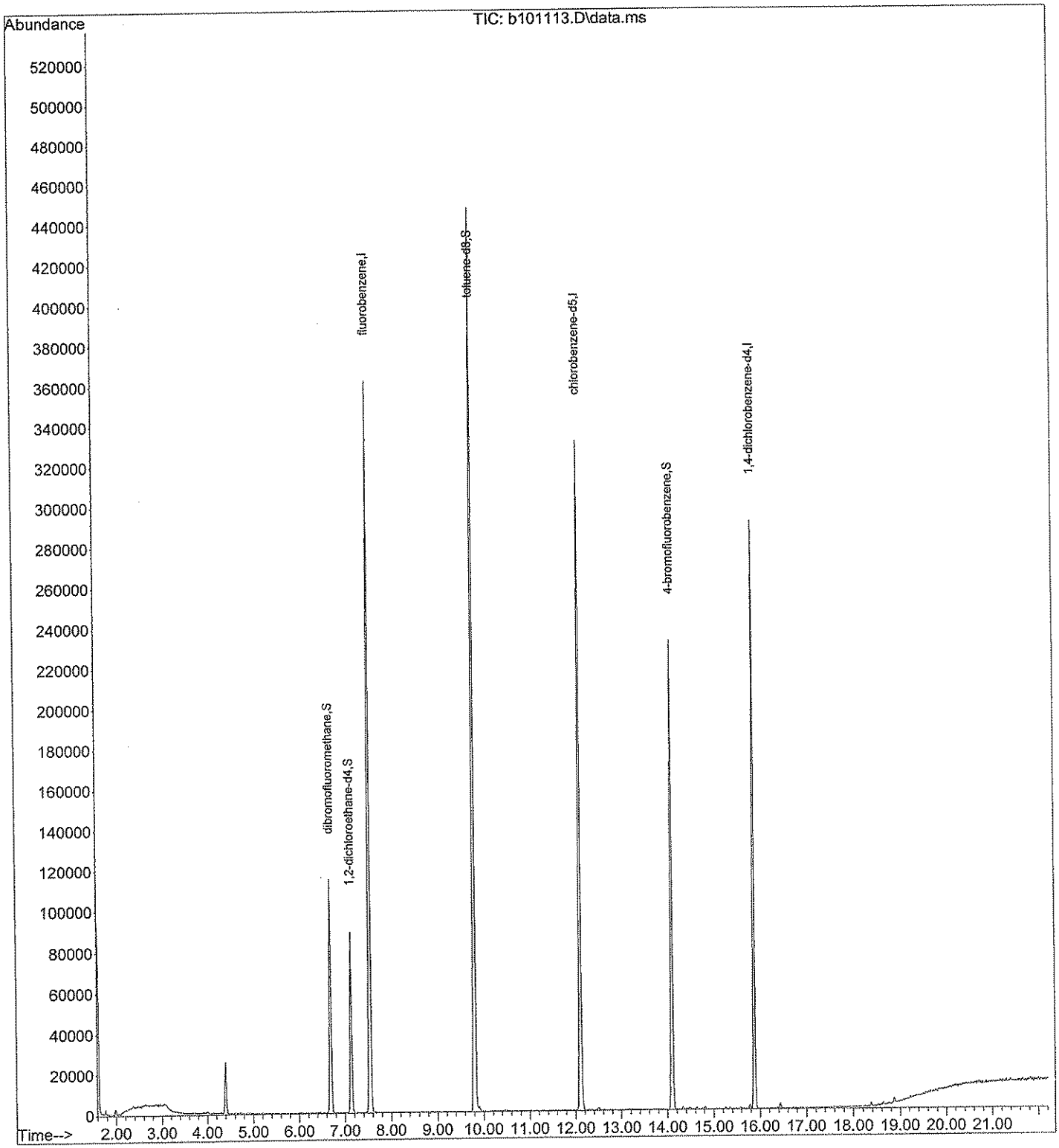
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JW 10/11/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101113.D
Acq On : 11 Oct 2007 1:38 pm
Operator : NLT
Sample : ,SAMP,ME0710258-01A,1,
Misc : 8260+_W25
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 11 15:55:18 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101114.D
Acq On : 11 Oct 2007 2:10 pm
Operator : NLT
Sample : ,SAMP,ME0710258-02A,1,
Misc : 8260+_W25
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 11 15:55:40 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.538	96	426510	10.00	ug/L	0.00
35) chlorobenzene-d5	12.105	117	282846	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.875	152	94940	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.686	113	85867	10.69	ug/L	0.00
Spiked Amount 10.000			Recovery =	106.90%		
26) 1,2-dichloroethane-d4	7.130	65	76326	10.91	ug/L	0.00
Spiked Amount 10.000			Recovery =	109.10%		
38) toluene-d8	9.800	98	419171	10.18	ug/L	0.00
Spiked Amount 10.000			Recovery =	101.80%		
56) 4-bromofluorobenzene	14.099	95	114105	9.09	ug/L	0.00
Spiked Amount 10.000			Recovery =	90.90%		
Target Compounds						Qvalue
10) acetone	3.907	43	1663	1.62	ug/L	96

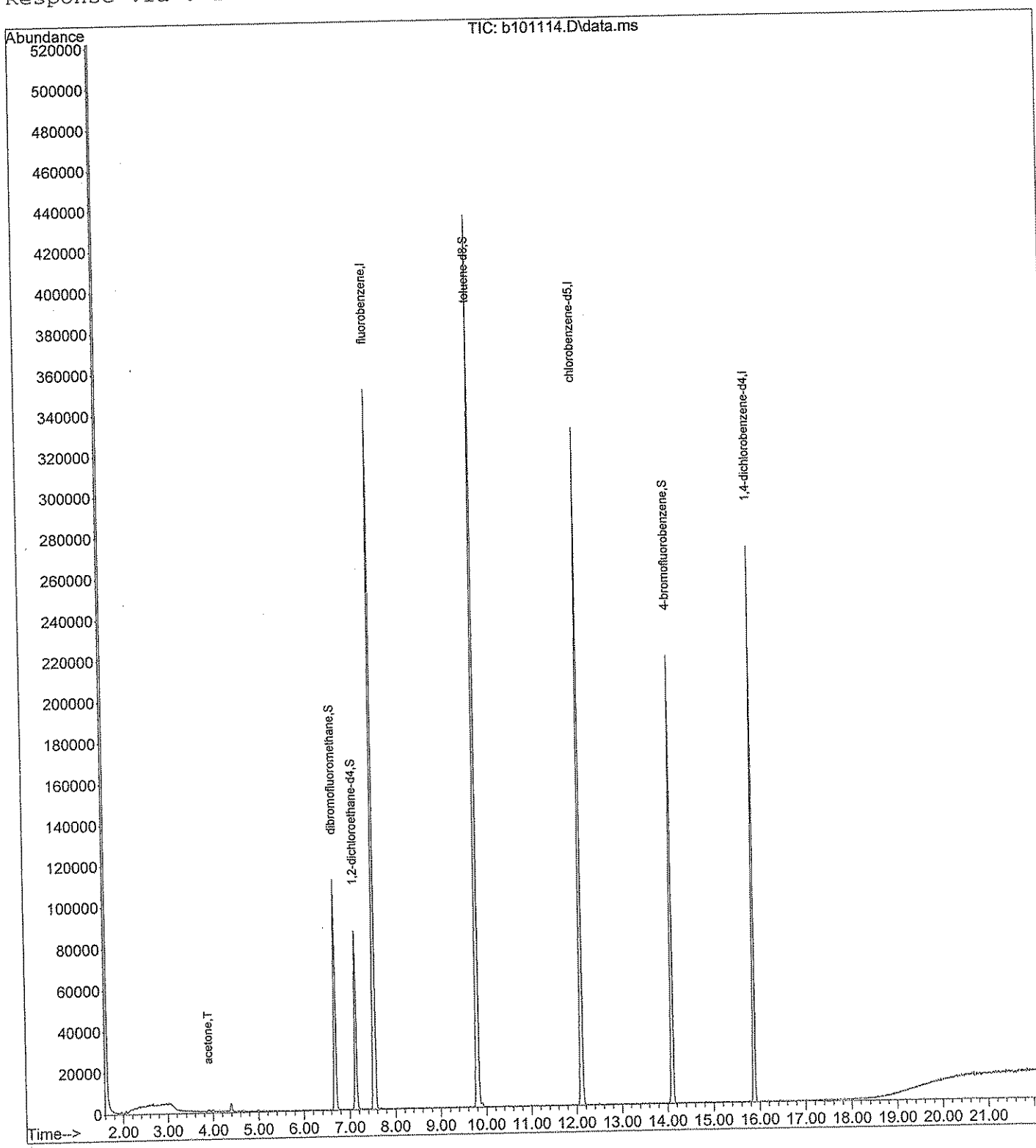
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/11/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101114.D
Acq On : 11 Oct 2007 2:10 pm
Operator : NLT
Sample : ,SAMP,ME0710258-02A,1,
Misc : 8260+_W25
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 11 15:55:40 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101115.D
Acq On : 11 Oct 2007 2:42 pm
Operator : NLT
Sample : ,SAMP,ME0710258-03A,1,
Misc : 8260+_W25
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 11 15:55:44 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.540	96	430061	10.00	ug/L	0.00
35) chlorobenzene-d5	12.107	117	279814	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.878	152	95720	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.689	113	86258	10.65	ug/L	0.00
Spiked Amount 10.000			Recovery =	106.50%		
26) 1,2-dichloroethane-d4	7.133	65	76398	10.83	ug/L	0.00
Spiked Amount 10.000			Recovery =	108.30%		
38) toluene-d8	9.803	98	416830	10.23	ug/L	0.00
Spiked Amount 10.000			Recovery =	102.30%		
56) 4-bromofluorobenzene	14.102	95	114082	9.19	ug/L	0.00
Spiked Amount 10.000			Recovery =	91.90%		
Target Compounds						Qvalue
10) acetone	3.916	43	2058	1.98	ug/L	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

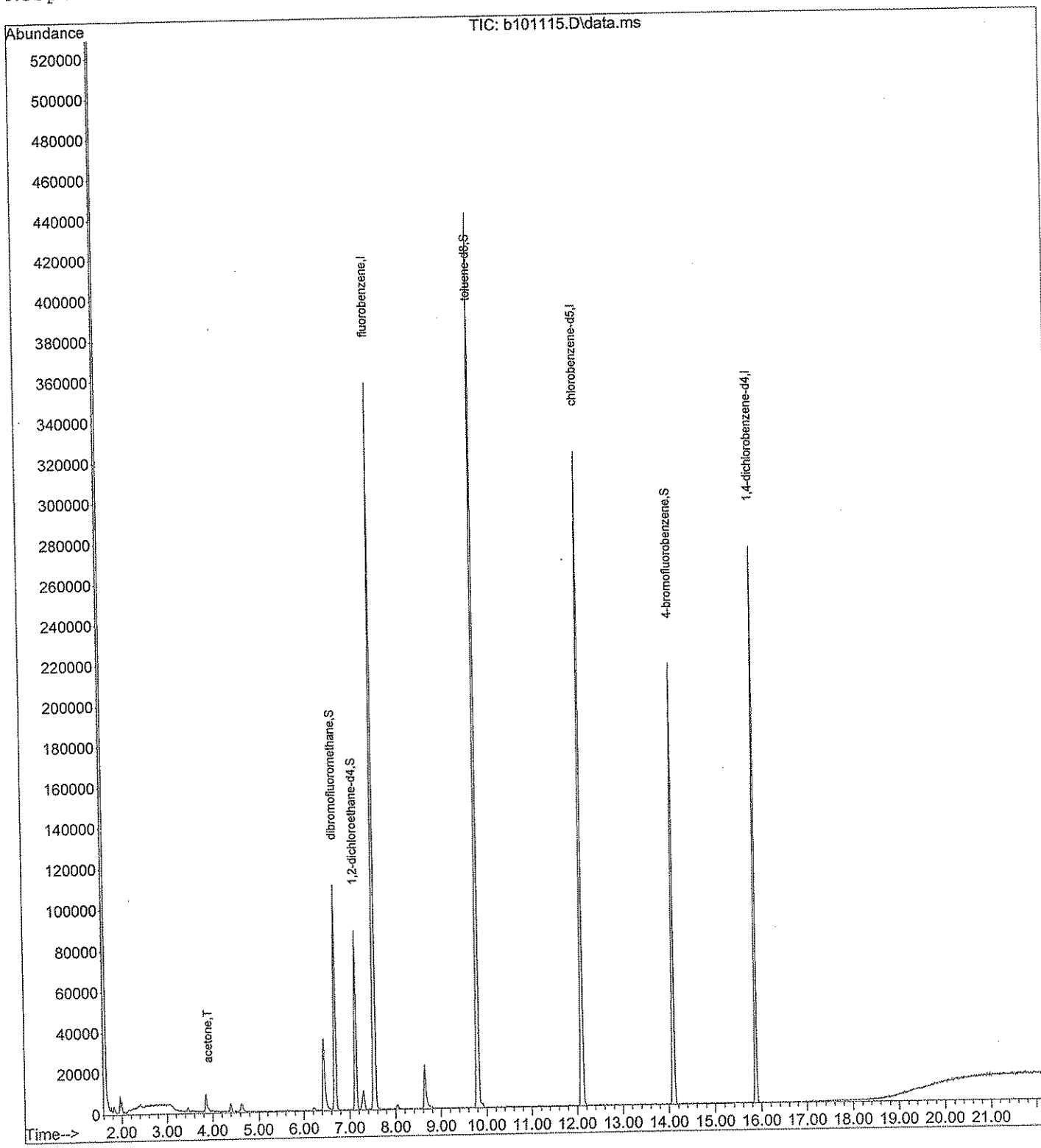
JN 10/11/07

MH 10/11/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101115.D
Acq On : 11 Oct 2007 2:42 pm
Operator : NLT
Sample : ,SAMP,ME0710258-03A,1,
Misc : 8260+_W25
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 11 15:55:44 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101116.D
Acq On : 11 Oct 2007 3:14 pm
Operator : NLT
Sample : ,SAMP,ME0710258-04A,1,
Misc : 8260+_W25
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 11 15:55:48 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.537	96	422385	10.00	ug/L	0.00
35) chlorobenzene-d5	12.104	117	277460	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.875	152	92525	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.686	113	85632	10.77	ug/L	0.00
Spiked Amount 10.000			Recovery =	107.70%		
26) 1,2-dichloroethane-d4	7.136	65	75932	10.96	ug/L	0.00
Spiked Amount 10.000			Recovery =	109.60%		
38) toluene-d8	9.805	98	412771	10.22	ug/L	0.00
Spiked Amount 10.000			Recovery =	102.20%		
56) 4-bromofluorobenzene	14.099	95	111864	9.08	ug/L	0.00
Spiked Amount 10.000			Recovery =	90.80%		

Target Compounds Qvalue

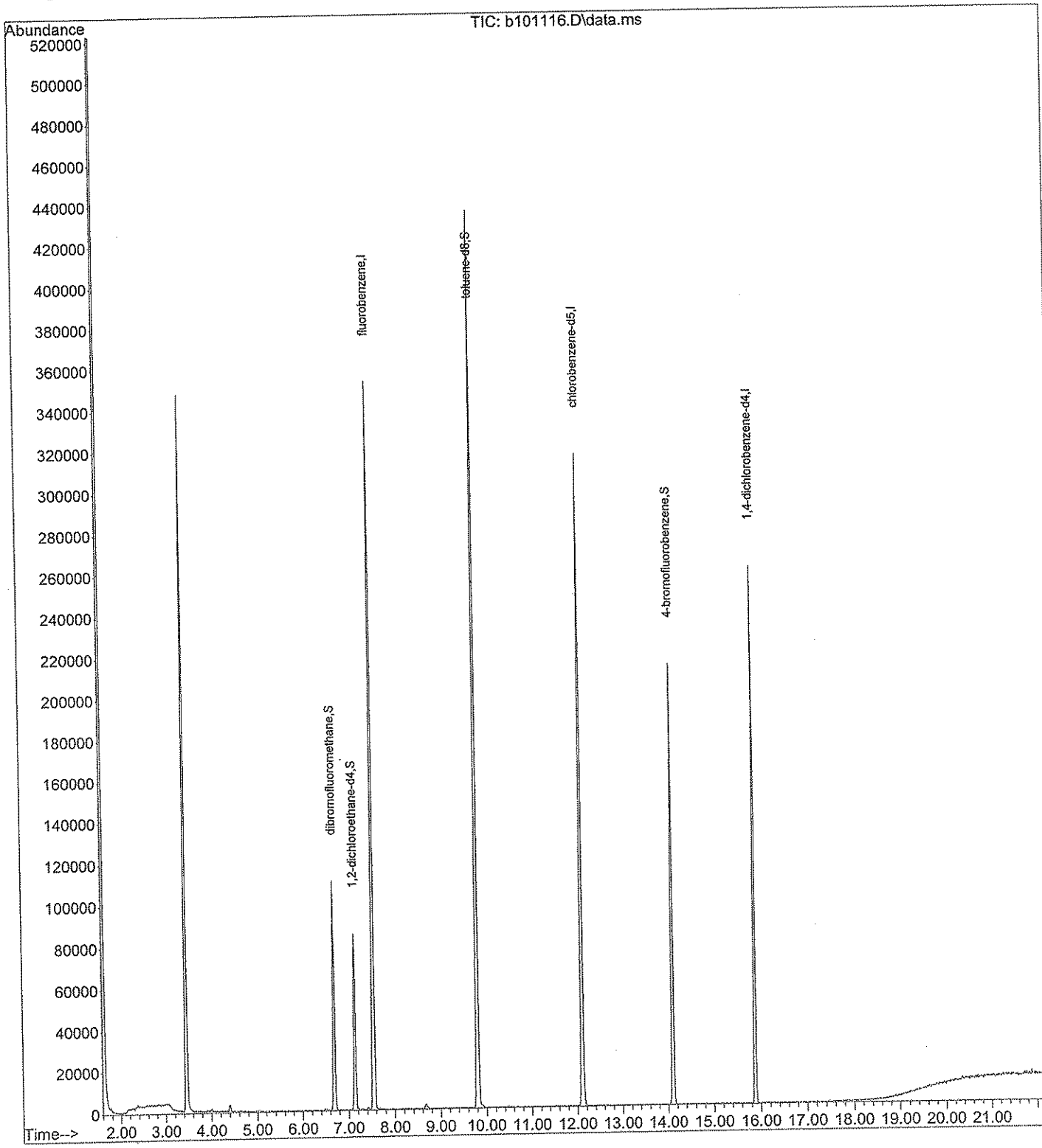
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/11/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101116.D
Acq On : 11 Oct 2007 3:14 pm
Operator : NLT
Sample : ,SAMP,ME0710258-04A,1,
Misc : 8260+_W25
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 11 15:55:48 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101117.D
Acq On : 11 Oct 2007 3:46 pm
Operator : NLT
Sample : ,SAMP,ME0710258-05A,1,
Misc : 8260+_W25
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 16:10:23 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.536	96	423615	10.00	ug/L	0.00
35) chlorobenzene-d5	12.103	117	275714	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.880	152	93893	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.691	113	85552	10.72	ug/L	0.00
Spiked Amount 10.000			Recovery =	107.20%		
26) 1,2-dichloroethane-d4	7.135	65	76467	11.01	ug/L	0.00
Spiked Amount 10.000			Recovery =	110.10%		
38) toluene-d8	9.798	98	412147	10.27	ug/L	0.00
Spiked Amount 10.000			Recovery =	102.70%		
56) 4-bromofluorobenzene	14.098	95	110427	9.02	ug/L	0.00
Spiked Amount 10.000			Recovery =	90.20%		
Target Compounds						Qvalue
6) chloroethane	2.762	64	408263	58.81	ug/L E	99
10) acetone	3.906	43	1899	1.86	ug/L	97
18) vinyl acetate	5.298	43	8170	1.36	ug/L	73

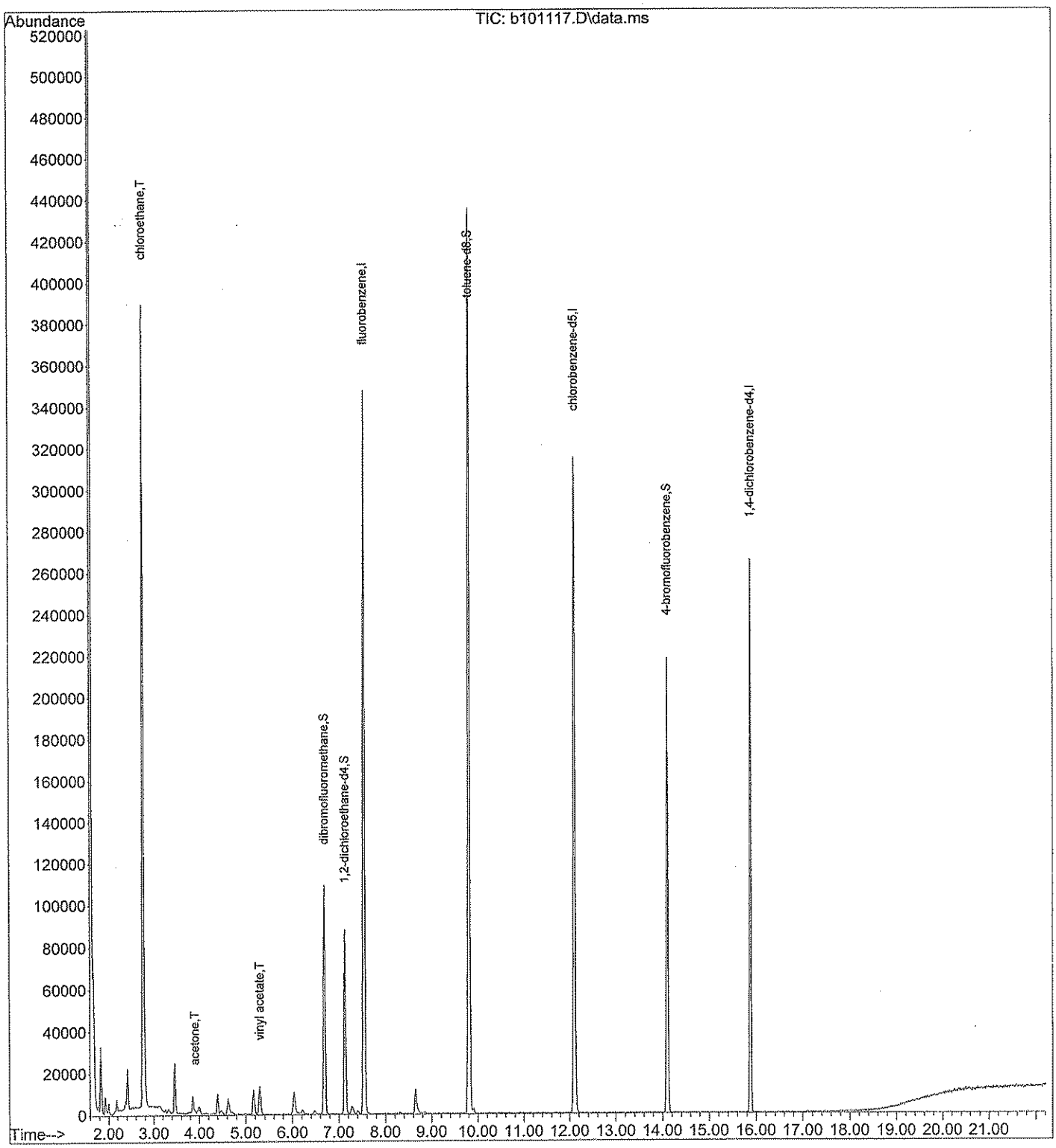
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/11/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101117.D
Acq On : 11 Oct 2007 3:46 pm
Operator : NLT
Sample : ,SAMP,ME0710258-05A,1,
Misc : 8260+_W25
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 16:10:23 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101124.D
Acq On : 11 Oct 2007 8:20 pm
Operator : NLT
Sample : ,SAMP,ME0710258-05A,5,RA,
Misc : 8260+_W25
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 12 05:56:57 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Titie : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	446432	10.00	ug/L	0.00
35) chlorobenzene-d5	12.102	117	289739	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.878	152	102397	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.689	113	87579	10.42	ug/L	0.00
Spiked Amount 10.000			Recovery =	104.20%		
26) 1,2-dichloroethane-d4	7.133	65	79330	10.84	ug/L	0.00
Spiked Amount 10.000			Recovery =	108.40%		
38) toluene-d8	9.803	98	432312	10.25	ug/L	0.00
Spiked Amount 10.000			Recovery =	102.50%		
56) 4-bromofluorobenzene	14.096	95	120032	9.33	ug/L	0.00
Spiked Amount 10.000			Recovery =	93.30%		
Target Compounds						Qvalue
6) chloroethane	2.761	64	73363	10.03	ug/L	99
10) acetone	3.910	43	1709	1.59	ug/L	91
12) methylene chloride	4.397	84	23870	1.93	ug/L	99

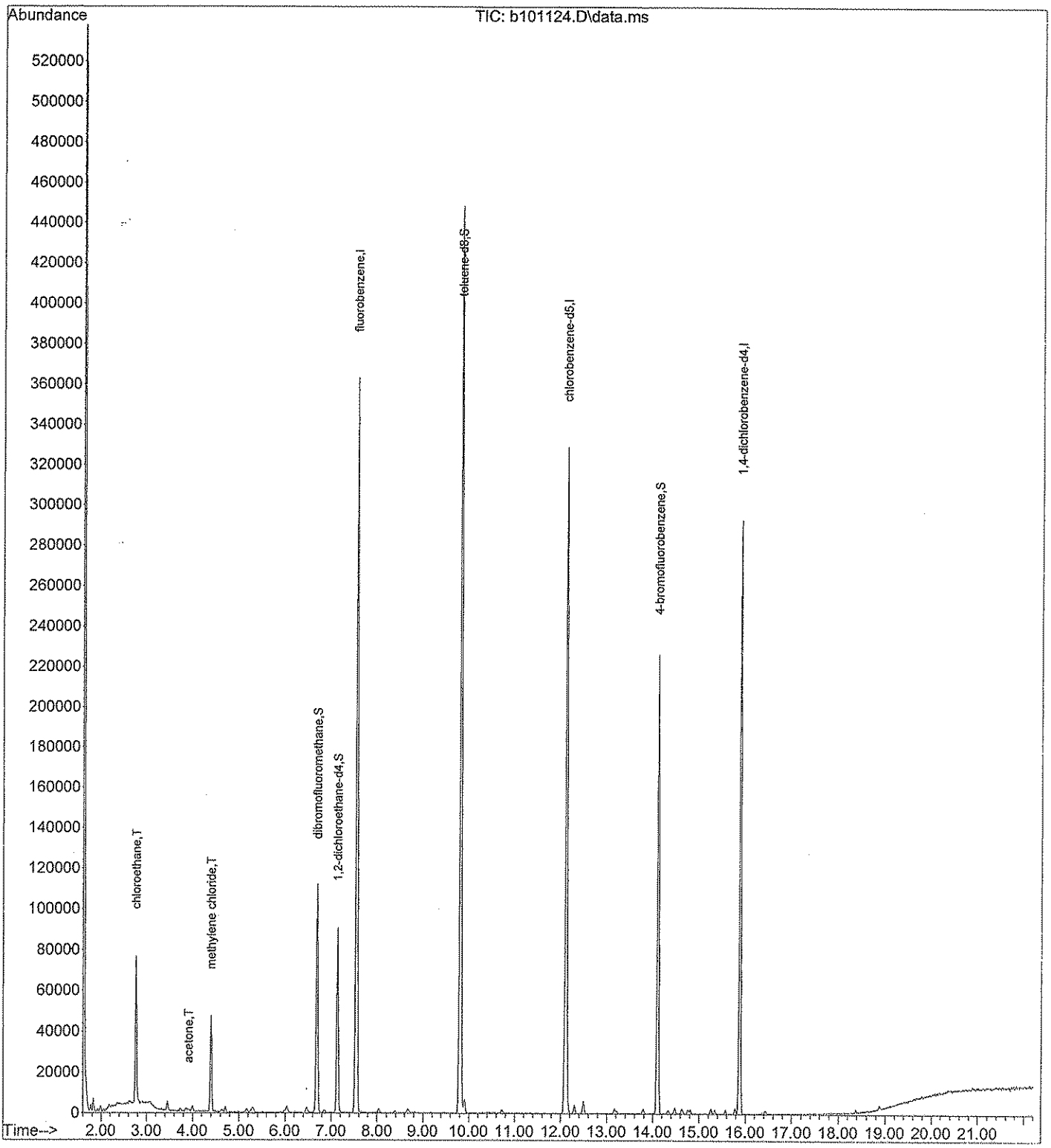
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JP 10/12/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101124.D
Acq On : 11 Oct 2007 8:20 pm
Operator : NLT
Sample : ,SAMP,ME0710258-05A,5,RA,
Misc : 8260+_W25
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 12 05:56:57 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101127.D
Acq On : 11 Oct 2007 9:56 pm
Operator : NLT
Sample : ,SAMP,ME0710258-06A,1,
Misc : 8260+_W25
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 12 05:57:29 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	450979	10.00	ug/L	0.00
35) chlorobenzene-d5	12.108	117	295735	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.873	152	105196	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.684	113	88862	10.46	ug/L	0.00
Spiked Amount 10.000			Recovery = 104.60%			
26) 1,2-dichloroethane-d4	7.134	65	80104	10.83	ug/L	0.00
Spiked Amount 10.000			Recovery = 108.30%			
38) toluene-d8	9.804	98	437722	10.17	ug/L	0.00
Spiked Amount 10.000			Recovery = 101.70%			
56) 4-bromofluorobenzene	14.097	95	121590	9.26	ug/L	0.00
Spiked Amount 10.000			Recovery = 92.60%			
Target Compounds						Qvalue
4) vinyl chloride	2.190	62	3899	0.31	ug/L	96

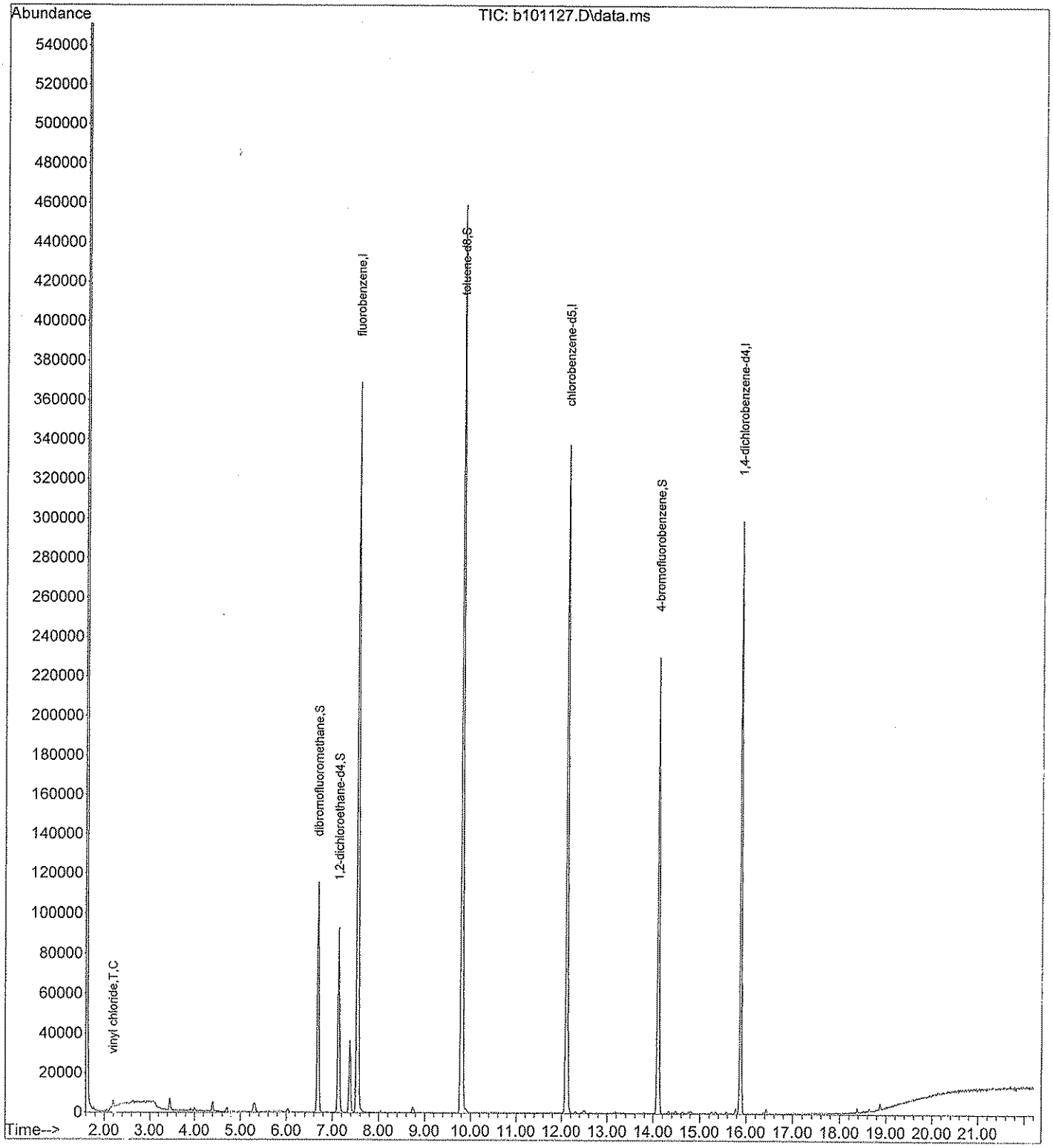
(#) = qualifier out of range (m) = manual integration (+) = signals summed

10/12/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101127.D
Acq On : 11 Oct 2007 9:56 pm
Operator : NLT
Sample : ,SAMP,ME0710258-06A,1,
Misc : 8260+_W25
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 12 05:57:29 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101128.D
Acq On : 11 Oct 2007 10:28 pm
Operator : NLT
Sample : ,SAMP,ME0710258-07A,1,
Misc : 8260+_W25
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 12 05:57:33 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.540	96	451173	10.00	ug/L	0.00
35) chlorobenzene-d5	12.107	117	291976	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.878	152	101837	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.689	113	87475	10.30	ug/L	0.00
Spiked Amount 10.000			Recovery = 103.00%			
26) 1,2-dichloroethane-d4	7.133	65	76797	10.38	ug/L	0.00
Spiked Amount 10.000			Recovery = 103.80%			
38) toluene-d8	9.802	98	431595	10.15	ug/L	0.00
Spiked Amount 10.000			Recovery = 101.50%			
56) 4-bromofluorobenzene	14.102	95	119291	9.21	ug/L	0.00
Spiked Amount 10.000			Recovery = 92.10%			
Target Compounds						Qvalue
4) vinyl chloride	2.195	62	6048	0.48	ug/L	97
10) acetone	3.910	43	1866	1.72	ug/L	76
18) vinyl acetate	5.290	43	28239	4.41	ug/L	73
27) benzene	7.151	78	253205	4.94	ug/L	99

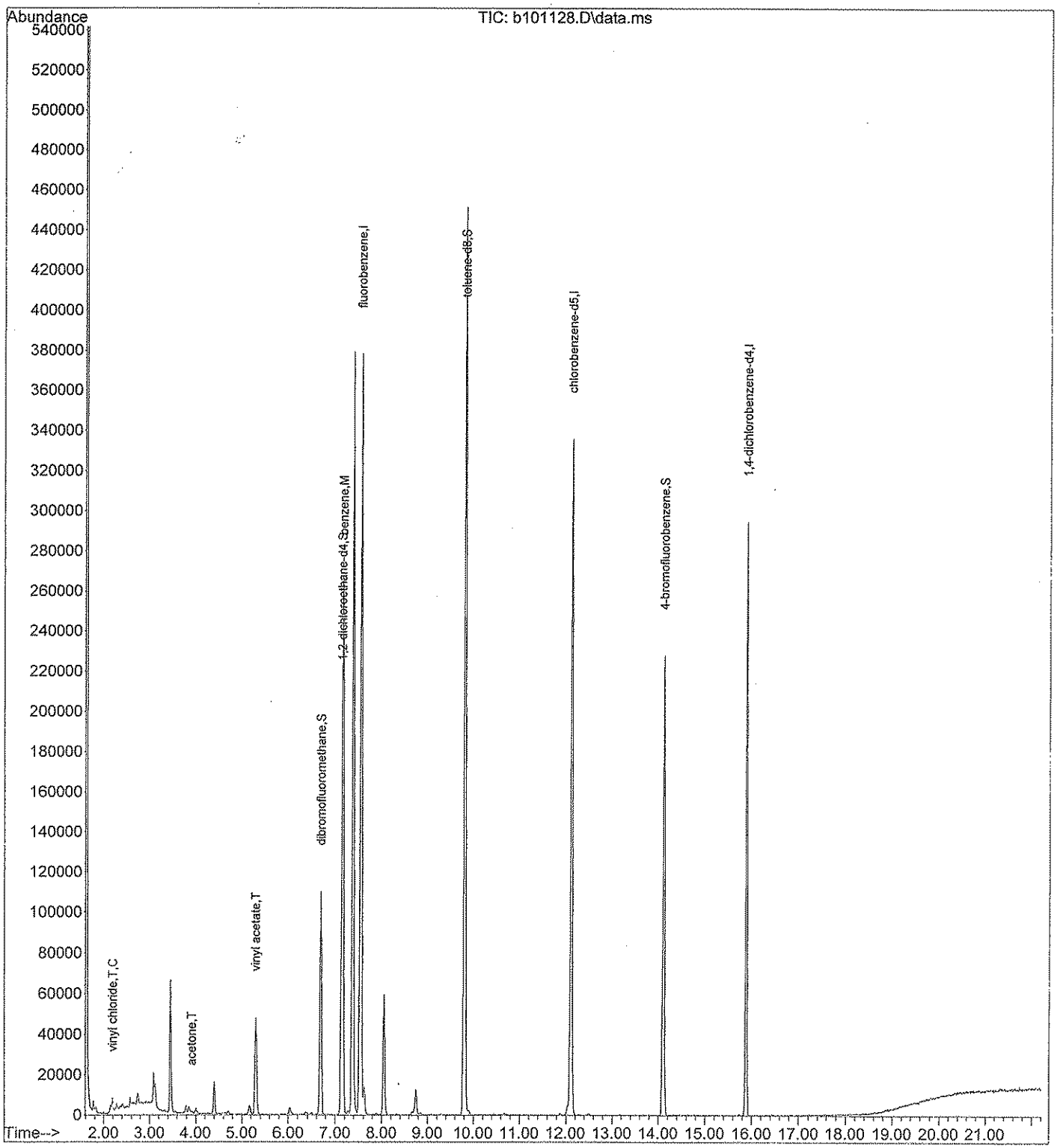
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/12/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101128.D
Acq On : 11 Oct 2007 10:28 pm
Operator : NLT
Sample : ,SAMP,ME0710258-07A,1,
Misc : 8260+_W25
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 12 05:57:33 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101129.D
Acq On : 11 Oct 2007 11:00 pm
Operator : NLT
Sample : ,SAMP,ME0710258-08A,1,
Misc : 8260+_W25
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 12 05:57:38 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	439509	10.00	ug/L	0.00
35) chlorobenzene-d5	12.108	117	284176	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.878	152	98531	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.683	113	87604	10.59	ug/L	0.00
Spiked Amount 10.000			Recovery =	105.90%		
26) 1,2-dichloroethane-d4	7.133	65	77517	10.76	ug/L	0.00
Spiked Amount 10.000			Recovery =	107.60%		
38) toluene-d8	9.803	98	426449	10.31	ug/L	0.00
Spiked Amount 10.000			Recovery =	103.10%		
56) 4-bromofluorobenzene	14.103	95	115917	9.19	ug/L	0.00
Spiked Amount 10.000			Recovery =	91.90%		
Target Compounds						Qvalue
10) acetone	3.904	43	2086	1.97	ug/L	84

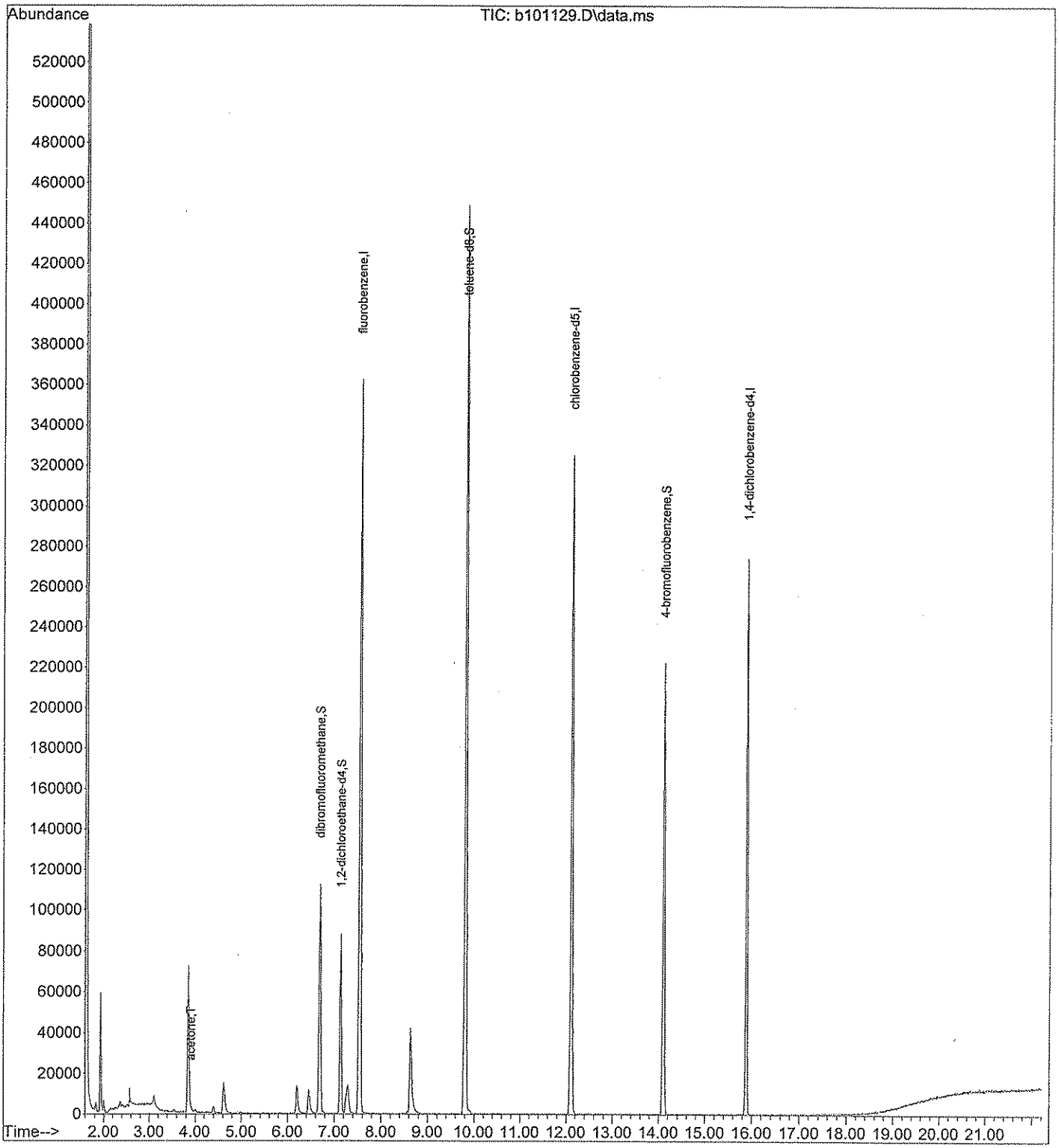
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/12/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101129.D
Acq On : 11 Oct 2007 11:00 pm
Operator : NLT
Sample : ,SAMP,ME0710258-08A,1,
Misc : 8260+_W25
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 12 05:57:38 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101130.D
Acq On : 11 Oct 2007 11:32 pm
Operator : NLT
Sample : ,SAMP,ME0710258-09A,1,
Misc : 8260+_W25
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 12 05:57:53 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	425990	10.00	ug/L	0.00
35) chlorobenzene-d5	12.102	117	278842	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.878	152	97207	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.689	113	84152	10.49	ug/L	0.00
Spiked Amount 10.000			Recovery =	104.90%		
26) 1,2-dichloroethane-d4	7.133	65	75809	10.85	ug/L	0.00
Spiked Amount 10.000			Recovery =	108.50%		
38) toluene-d8	9.803	98	416795	10.27	ug/L	0.00
Spiked Amount 10.000			Recovery =	102.70%		
56) 4-bromofluorobenzene	14.102	95	115021	9.29	ug/L	0.00
Spiked Amount 10.000			Recovery =	92.90%		
Target Compounds						Qvalue
6) chloroethane	2.761	64	479387	68.67	ug/L E	99
10) acetone	3.910	43	2471	2.41	ug/L	75
18) vinyl acetate	5.303	43	8767	1.45	ug/L	73

(#) = qualifier out of range (m) = manual integration (+) = signals summed

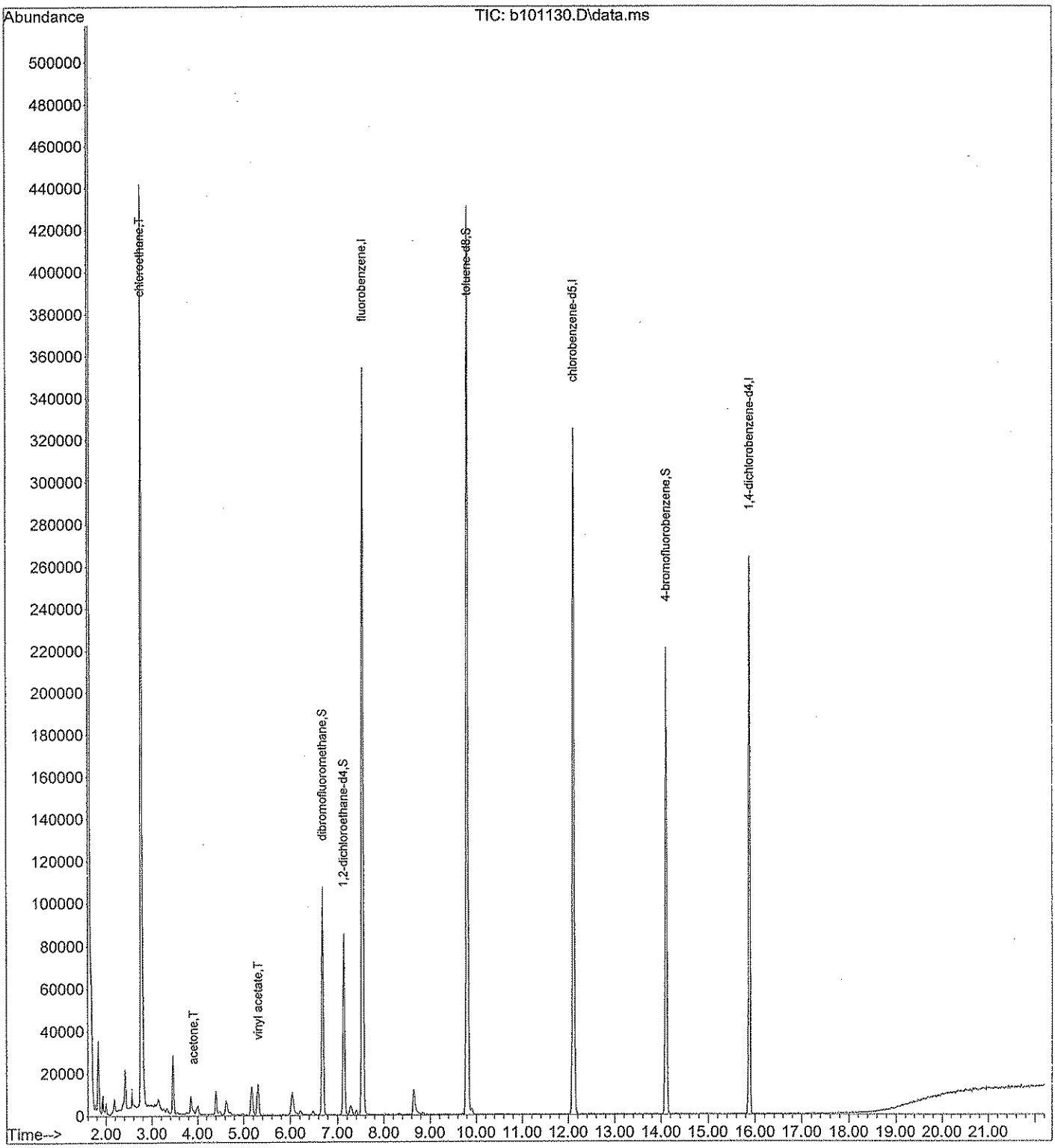
JN 10/12/07

10/16/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101130.D
Acq On : 11 Oct 2007 11:32 pm
Operator : NLT
Sample : ,SAMP,ME0710258-09A,1,
Misc : 8260+_W25
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 12 05:57:53 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101207\
Data File : b101207.D
Acq On : 12 Oct 2007 11:08 am
Operator : NLT
Sample : ,SAMP,ME0710258-09A,5,RA,
Misc : 8260+_W25
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 12 14:54:30 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	431345	10.00	ug/L	0.00
35) chlorobenzene-d5	12.102	117	282848	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.872	152	101780	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.683	113	86085	10.60	ug/L	0.00
Spiked Amount 10.000			Recovery = 106.00%			
26) 1,2-dichloroethane-d4	7.133	65	77490	10.96	ug/L	0.00
Spiked Amount 10.000			Recovery = 109.60%			
38) toluene-d8	9.803	98	420392	10.21	ug/L	0.00
Spiked Amount 10.000			Recovery = 102.10%			
56) 4-bromofluorobenzene	14.096	95	116585	9.29	ug/L	0.00
Spiked Amount 10.000			Recovery = 92.90%			
Target Compounds						Qvalue
6) chloroethane	2.761	64	97543	13.80	ug/L	99
10) acetone	3.904	43	1635	1.57	ug/L	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

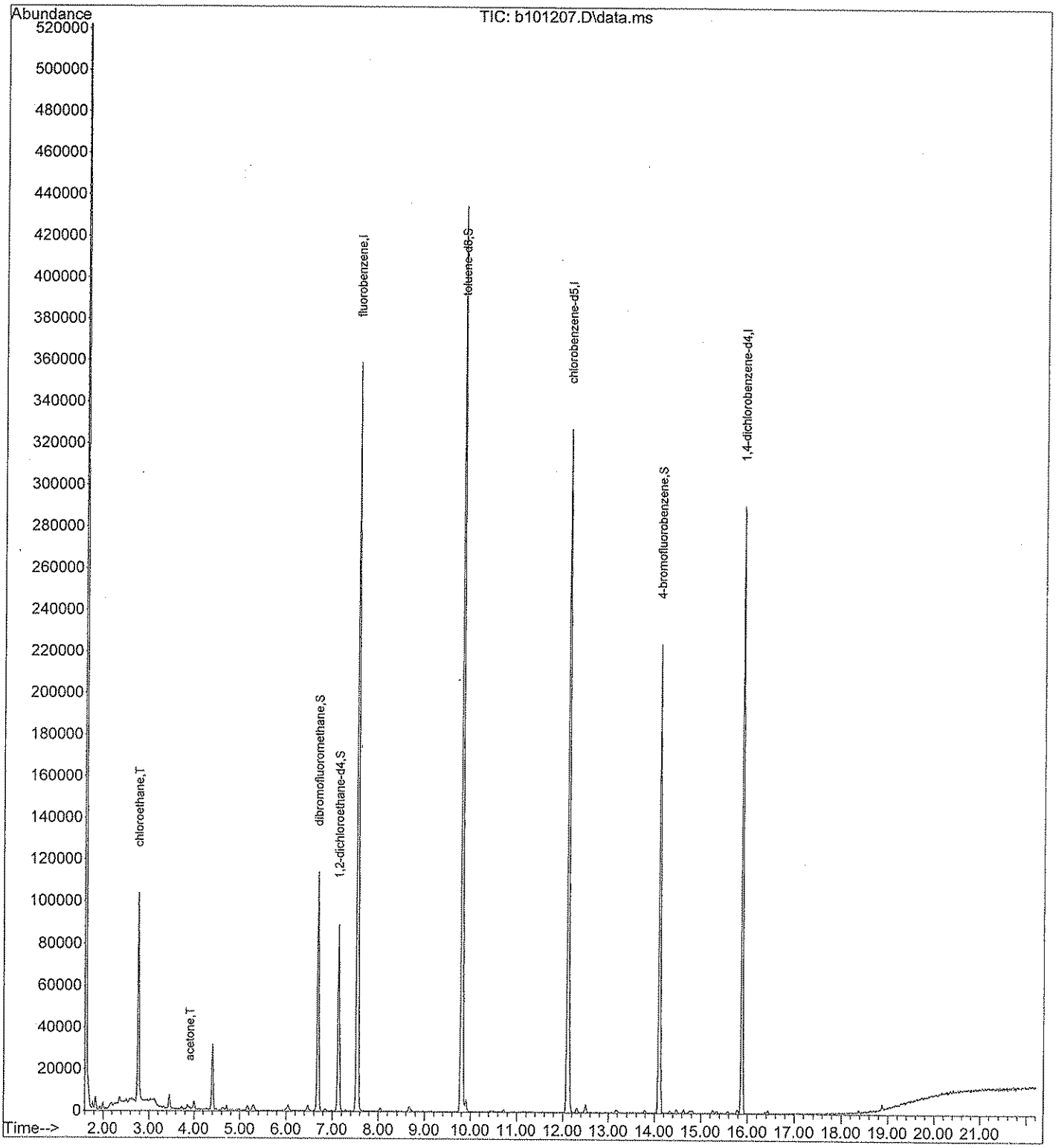
JN 10/12/07

10/16/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101207\
Data File : b101207.D
Acq On : 12 Oct 2007 11:08 am
Operator : NLT
Sample : ,SAMP,ME0710258-09A,5,RA,
Misc : 8260+_W25
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 12 14:54:30 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101131.D
Acq On : 12 Oct 2007 12:04 am
Operator : NLT
Sample : ,SAMP,ME0710258-10A,1,
Misc : 8260+_W25
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 12 05:57:58 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	439349	10.00	ug/L	0.00
35) chlorobenzene-d5	12.102	117	282318	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.878	152	102741	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.683	113	89056	10.76	ug/L	0.00
Spiked Amount 10.000			Recovery =	107.60%		
26) 1,2-dichloroethane-d4	7.133	65	76805	10.66	ug/L	0.00
Spiked Amount 10.000			Recovery =	106.60%		
38) toluene-d8	9.803	98	422810	10.29	ug/L	0.00
Spiked Amount 10.000			Recovery =	102.90%		
56) 4-bromofluorobenzene	14.103	95	115590	9.22	ug/L	0.00
Spiked Amount 10.000			Recovery =	92.20%		
Target Compounds						Qvalue
10) acetone	3.898	43	3782	3.57	ug/L	94
19) cis-1,2-dichloroethene	6.033	96	35746	2.82	ug/L	97
27) benzene	7.152	78	85729	1.72	ug/L	99
44) 2-hexanone	10.861	43	3542	1.93	ug/L #	31

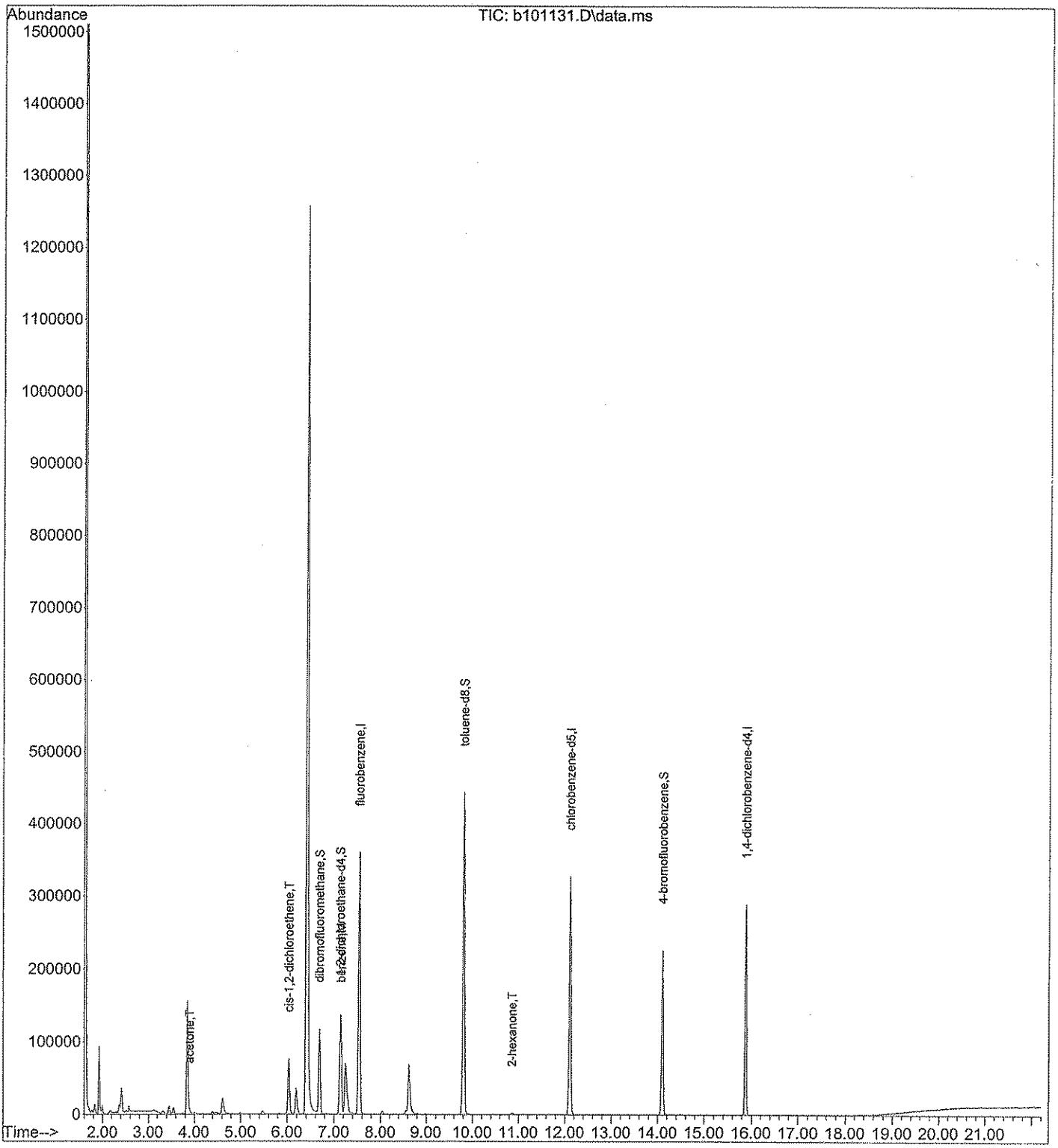
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/12/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101131.D
Acq On : 12 Oct 2007 12:04 am
Operator : NLT
Sample : ,SAMP,ME0710258-10A,1,
Misc : 8260+_W25
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 12 05:57:58 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101132.D
Acq On : 12 Oct 2007 12:36 am
Operator : NLT
Sample : ,SAMP,ME0710258-11A,1,
Misc : 8260+_W25
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 12 05:58:02 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.540	96	461107	10.00	ug/L	0.00
35) chlorobenzene-d5	12.102	117	296831	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.878	152	102803	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.689	113	91304	10.52	ug/L	0.00
Spiked Amount 10.000			Recovery =	105.20%		
26) 1,2-dichloroethane-d4	7.133	65	81306	10.75	ug/L	0.00
Spiked Amount 10.000			Recovery =	107.50%		
38) toluene-d8	9.803	98	448418	10.38	ug/L	0.00
Spiked Amount 10.000			Recovery =	103.80%		
56) 4-bromofluorobenzene	14.096	95	118450	8.99	ug/L	0.00
Spiked Amount 10.000			Recovery =	89.90%		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

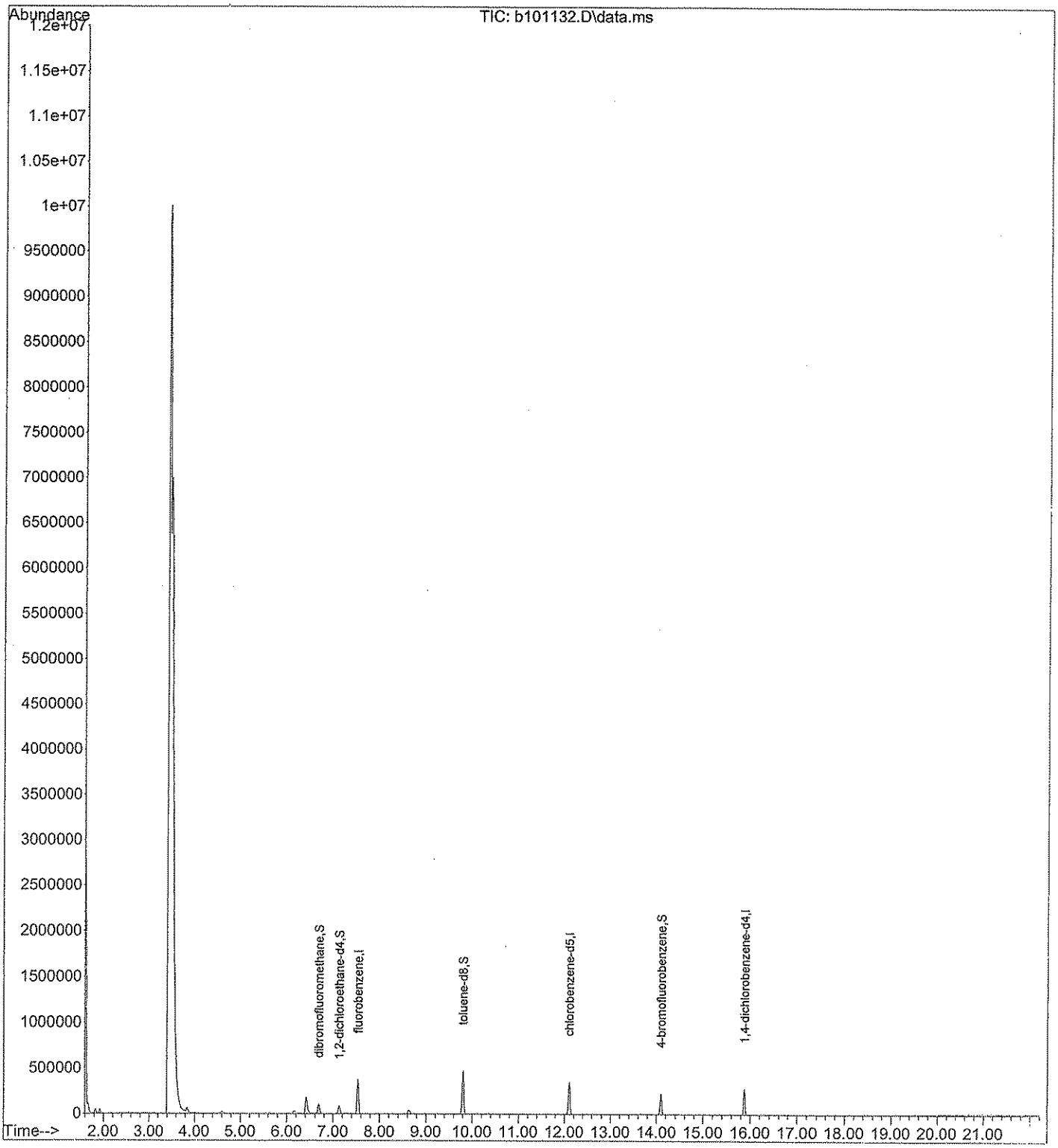
JN 10/12/07

10/15/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101132.D
Acq On : 12 Oct 2007 12:36 am
Operator : NLT
Sample : ,SAMP,ME0710258-11A,1,
Misc : 8260+_W25
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 12 05:58:02 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101133.D
Acq On : 12 Oct 2007 1:08 am
Operator : NLT
Sample : ,SAMP,ME0710258-12A,1,
Misc : 8260+_W25
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 12 05:58:17 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.537	96	463963	10.00	ug/L	0.00
35) chlorobenzene-d5	12.104	117	299834	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.874	152	104822	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.685	113	90411	10.35	ug/L	0.00
Spiked Amount 10.000			Recovery =	103.50%		
26) 1,2-dichloroethane-d4	7.129	65	81253	10.68	ug/L	0.00
Spiked Amount 10.000			Recovery =	106.80%		
38) toluene-d8	9.799	98	445500	10.21	ug/L	0.00
Spiked Amount 10.000			Recovery =	102.10%		
56) 4-bromofluorobenzene	14.099	95	120213	9.03	ug/L	0.00
Spiked Amount 10.000			Recovery =	90.30%		
Target Compounds						Qvalue

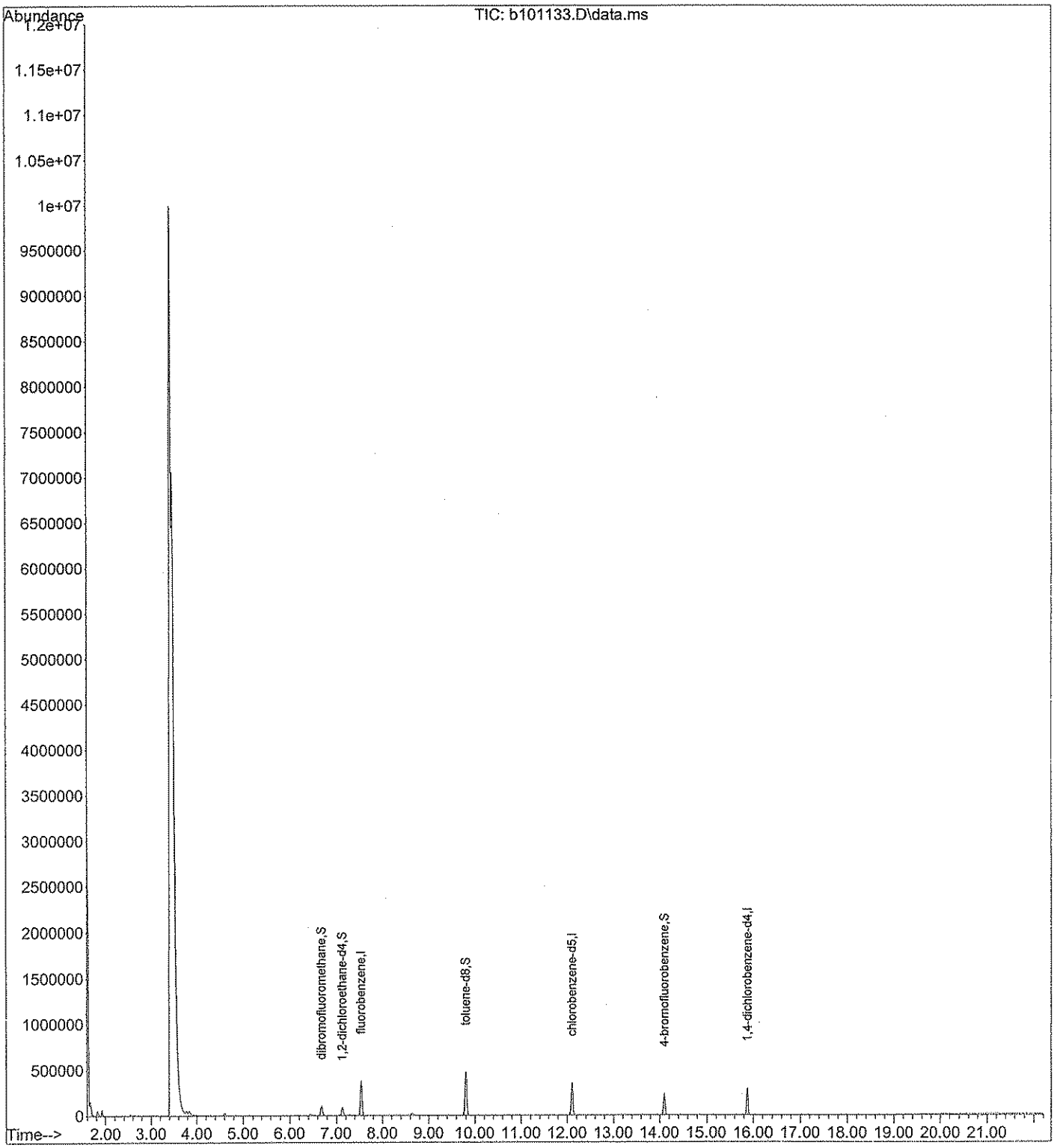
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/12/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101133.D
Acq On : 12 Oct 2007 1:08 am
Operator : NLT
Sample : ,SAMP,ME0710258-12A,1,
Misc : 8260+_W25
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 12 05:58:17 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101134.D
Acq On : 12 Oct 2007 1:40 am
Operator : NLT
Sample : ,SAMP,ME0710258-13A,1,
Misc : 8260+_W25
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 12 05:58:21 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.536	96	436008	10.00	ug/L	0.00
35) chlorobenzene-d5	12.103	117	282667	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.874	152	101053	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.685	113	86036	10.48	ug/L	0.00
Spiked Amount 10.000			Recovery =	104.80%		
26) 1,2-dichloroethane-d4	7.135	65	77940	10.90	ug/L	0.00
Spiked Amount 10.000			Recovery =	109.00%		
38) toluene-d8	9.805	98	423129	10.28	ug/L	0.00
Spiked Amount 10.000			Recovery =	102.80%		
56) 4-bromofluorobenzene	14.098	95	114222	9.10	ug/L	0.00
Spiked Amount 10.000			Recovery =	91.00%		
Target Compounds						Qvalue
10) acetone	3.906	43	2568	2.44	ug/L	92
27) benzene	7.153	78	294102	5.93	ug/L	99

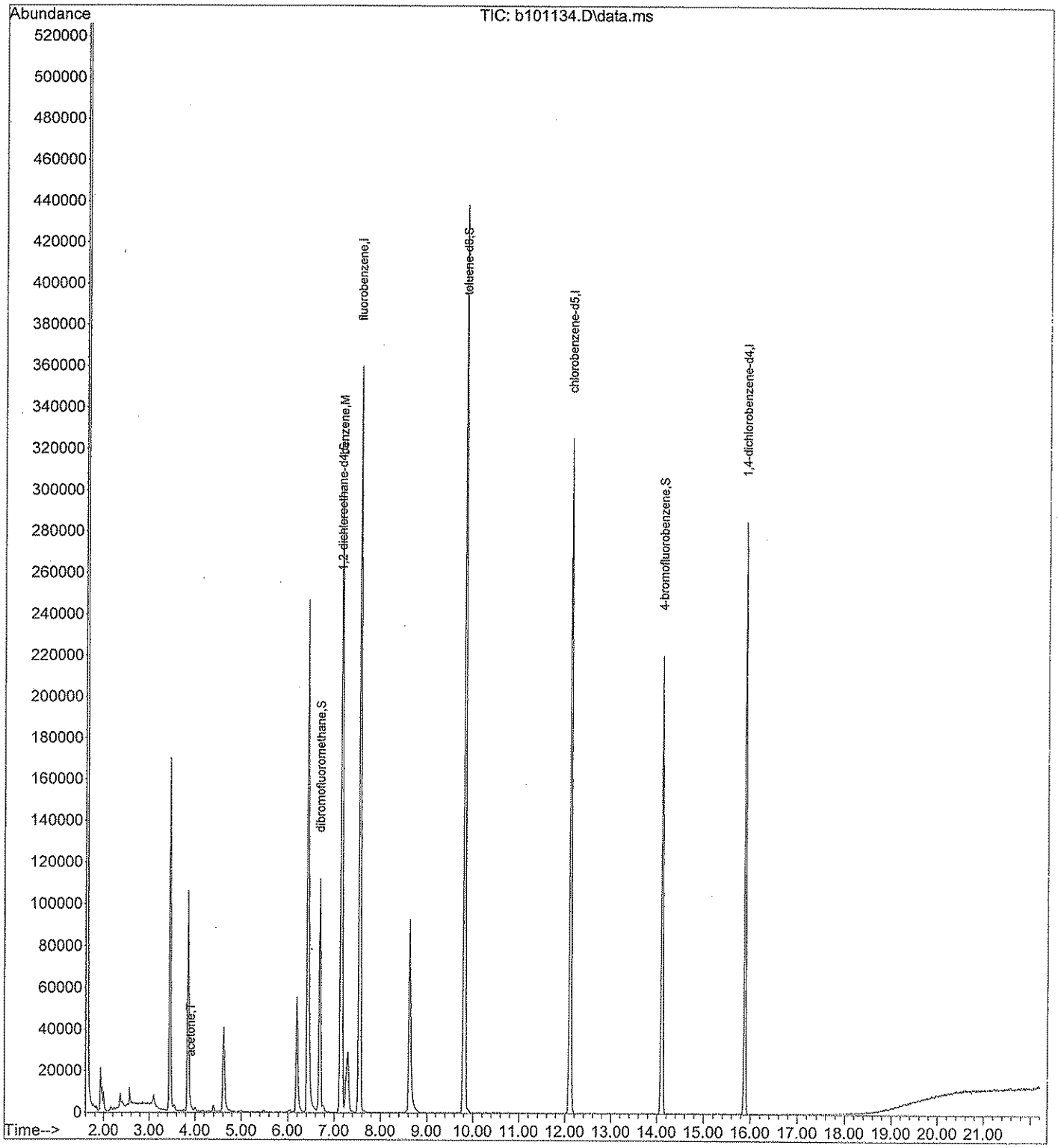
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/12/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101134.D
Acq On : 12 Oct 2007 1:40 am
Operator : NLT
Sample : ,SAMP,ME0710258-13A,1,
Misc : 8260+_W25
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 12 05:58:21 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101135.D
Acq On : 12 Oct 2007 2:12 am
Operator : NLT
Sample : ,SAMP,ME0710258-14A,1,
Misc : 8260+_W25
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 12 05:58:26 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.538	96	418180	10.00	ug/L	0.00
35) chlorobenzene-d5	12.105	117	275820	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.875	152	95177	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.686	113	83328	10.58	ug/L	0.00
Spiked Amount 10.000			Recovery =	105.80%		
26) 1,2-dichloroethane-d4	7.130	65	75582	11.02	ug/L	0.00
Spiked Amount 10.000			Recovery =	110.20%		
38) toluene-d8	9.800	98	407440	10.15	ug/L	0.00
Spiked Amount 10.000			Recovery =	101.50%		
56) 4-bromofluorobenzene	14.099	95	111311	9.09	ug/L	0.00
Spiked Amount 10.000			Recovery =	90.90%		
Target Compounds						Qvalue
10) acetone	3.913	43	3078	3.05	ug/L	98
22) chloroform	6.461	83	8245	0.46	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

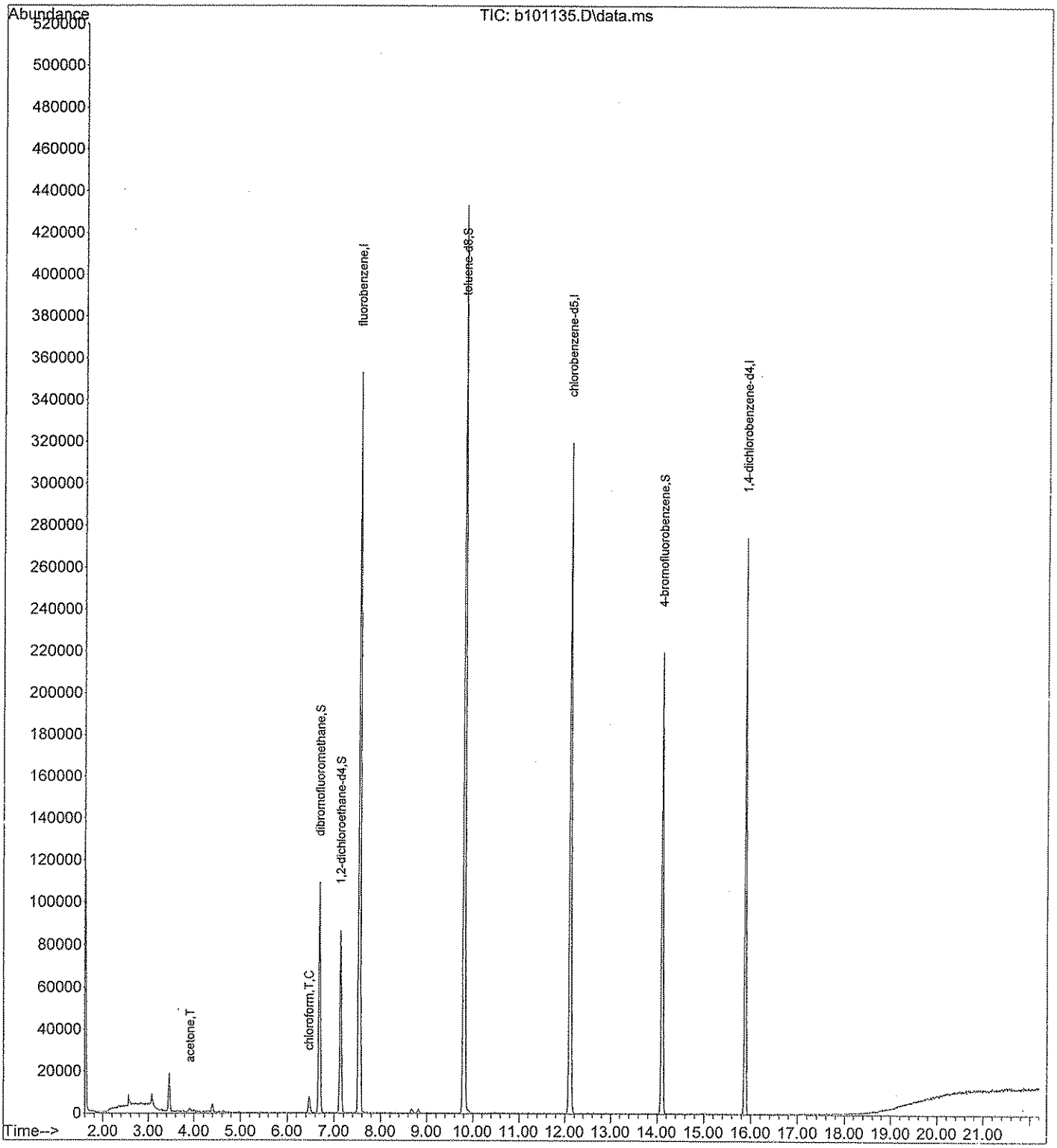
JW 10/12/07

10/18/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101135.D
Acq On : 12 Oct 2007 2:12 am
Operator : NLT
Sample : ,SAMP,ME0710258-14A,1,
Misc : 8260+_W25
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 12 05:58:26 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101136.D
Acq On : 12 Oct 2007 2:44 am
Operator : NLT
Sample : ,SAMP,ME0710258-15A,1,
Misc : 8260+_W25
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 12 05:58:41 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.538	96	421844	10.00	ug/L	0.00
35) chlorobenzene-d5	12.105	117	276163	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.875	152	102313	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.686	113	85531	10.77	ug/L	0.00
Spiked Amount 10.000			Recovery =	107.70%		
26) 1,2-dichloroethane-d4	7.130	65	75980	10.98	ug/L	0.00
Spiked Amount 10.000			Recovery =	109.80%		
38) toluene-d8	9.800	98	409592	10.19	ug/L	0.00
Spiked Amount 10.000			Recovery =	101.90%		
56) 4-bromofluorobenzene	14.100	95	113322	9.25	ug/L	0.00
Spiked Amount 10.000			Recovery =	92.50%		
Target Compounds						Qvalue
6) chloroethane	2.764	64	4496	0.65	ug/L	95
10) acetone	3.919	43	1891	1.86	ug/L	84
15) methyl-t-butyl ether	4.704	73	10698	0.73	ug/L	94
27) benzene	7.155	78	105249	2.19	ug/L	100
47) chlorobenzene	12.148	112	9377	0.31	ug/L	94

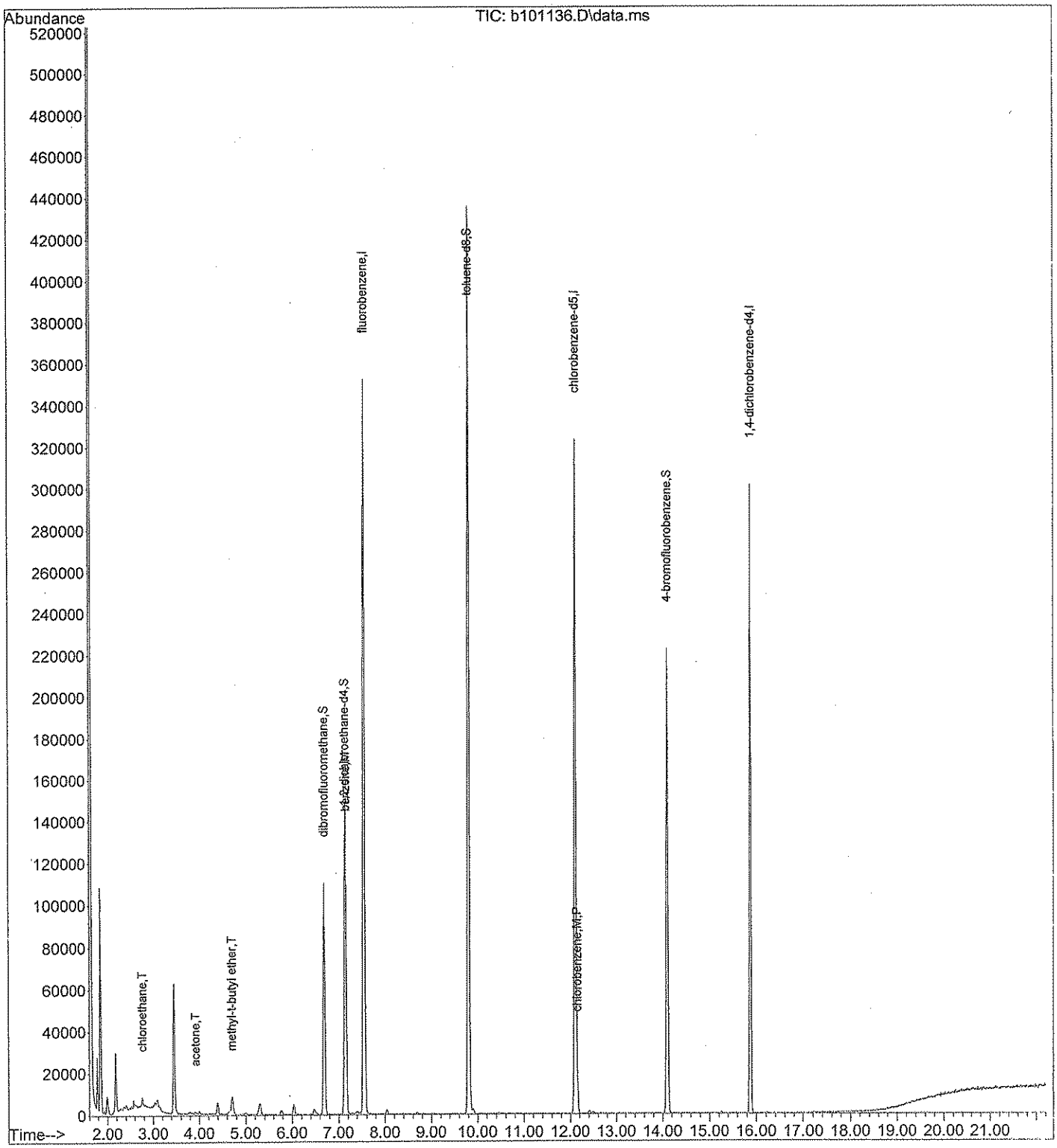
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/12/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101136.D
Acq On : 12 Oct 2007 2:44 am
Operator : NLT
Sample : ,SAMP,ME0710258-15A,1,
Misc : 8260+_W25
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 12 05:58:41 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101137.D
Acq On : 12 Oct 2007 3:16 am
Operator : NLT
Sample : ,SAMP,ME0710258-16A,1,
Misc : 8260+_W25
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 12 05:58:46 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.536	96	419056	10.00	ug/L	0.00
35) chlorobenzene-d5	12.103	117	274686	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.873	152	98828	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.684	113	84954	10.77	ug/L	0.00
Spiked Amount 10.000			Recovery =	107.70%		
26) 1,2-dichloroethane-d4	7.134	65	75820	11.03	ug/L	0.00
Spiked Amount 10.000			Recovery =	110.30%		
38) toluene-d8	9.804	98	405129	10.13	ug/L	0.00
Spiked Amount 10.000			Recovery =	101.30%		
56) 4-bromofluorobenzene	14.097	95	111952	9.18	ug/L	0.00
Spiked Amount 10.000			Recovery =	91.80%		
Target Compounds						Qvalue
6) chloroethane	2.762	64	5902	0.86	ug/L	92
17) 1,1-dichloroethane	5.273	63	4646	0.22	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

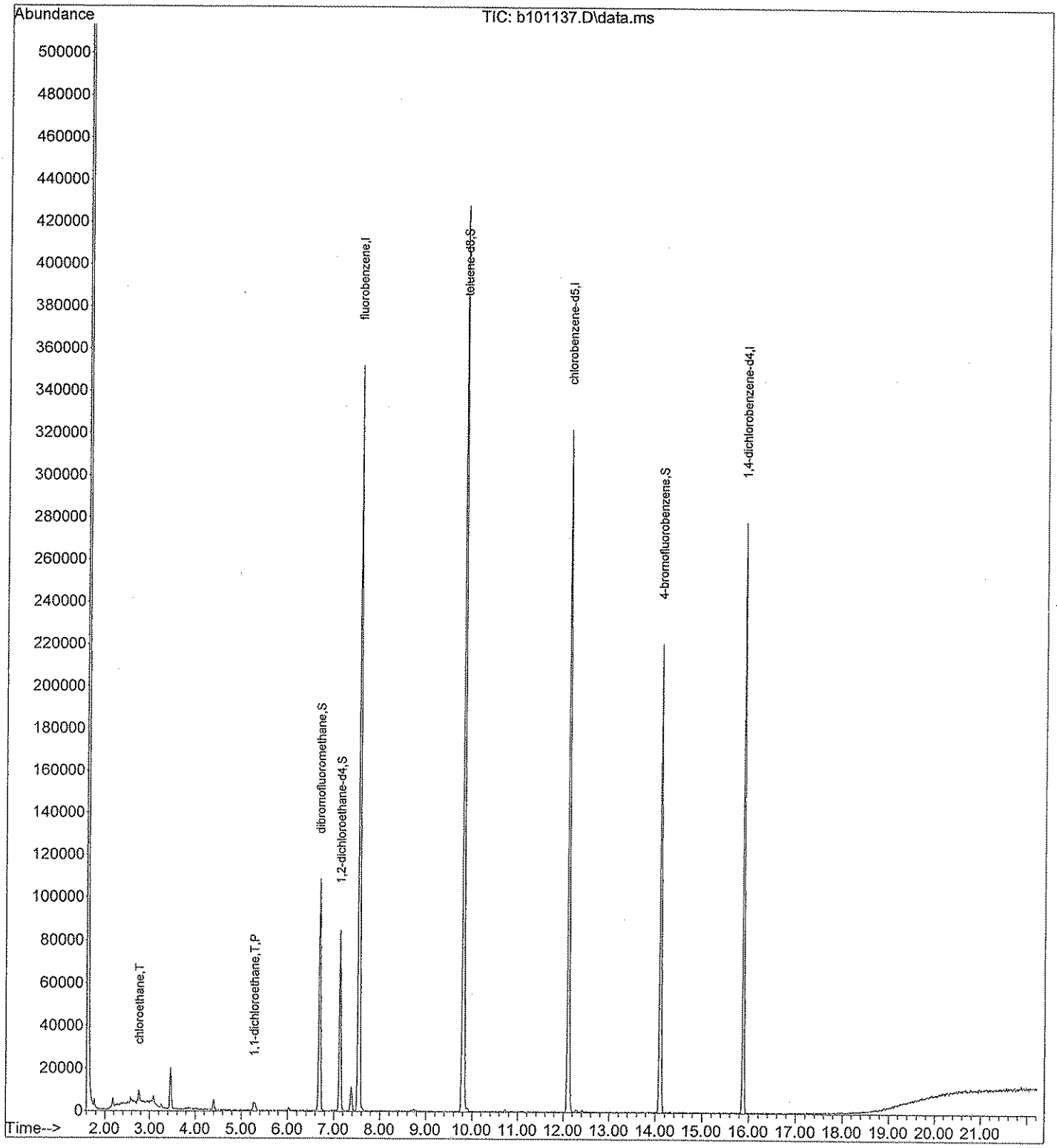
JN 10/12/07

10/15/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101137.D
Acq On : 12 Oct 2007 3:16 am
Operator : NLT
Sample : ,SAMP,ME0710258-16A,1,
Misc : 8260+_W25
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 12 05:58:46 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101138.D
Acq On : 12 Oct 2007 3:48 am
Operator : NLT
Sample : ,SAMP,ME0710258-17A,1,
Misc : 8260+_W25
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 12 05:58:50 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.540	96	424841	10.00	ug/L	0.00
35) chlorobenzene-d5	12.108	117	274063	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.878	152	97855	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.683	113	83510	10.44	ug/L	0.00
Spiked Amount 10.000			Recovery =	104.40%		
26) 1,2-dichloroethane-d4	7.133	65	75753	10.87	ug/L	0.00
Spiked Amount 10.000			Recovery =	108.70%		
38) toluene-d8	9.803	98	404382	10.13	ug/L	0.00
Spiked Amount 10.000			Recovery =	101.30%		
56) 4-bromofluorobenzene	14.102	95	110308	9.07	ug/L	0.00
Spiked Amount 10.000			Recovery =	90.70%		
Target Compounds						Qvalue
6) chloroethane	2.761	64	41422	5.95	ug/L	99
27) benzene	7.151	78	2560330	53.01	ug/L	100
29) 1,2-dichloroethane	7.157	62	20941	2.23	ug/L	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

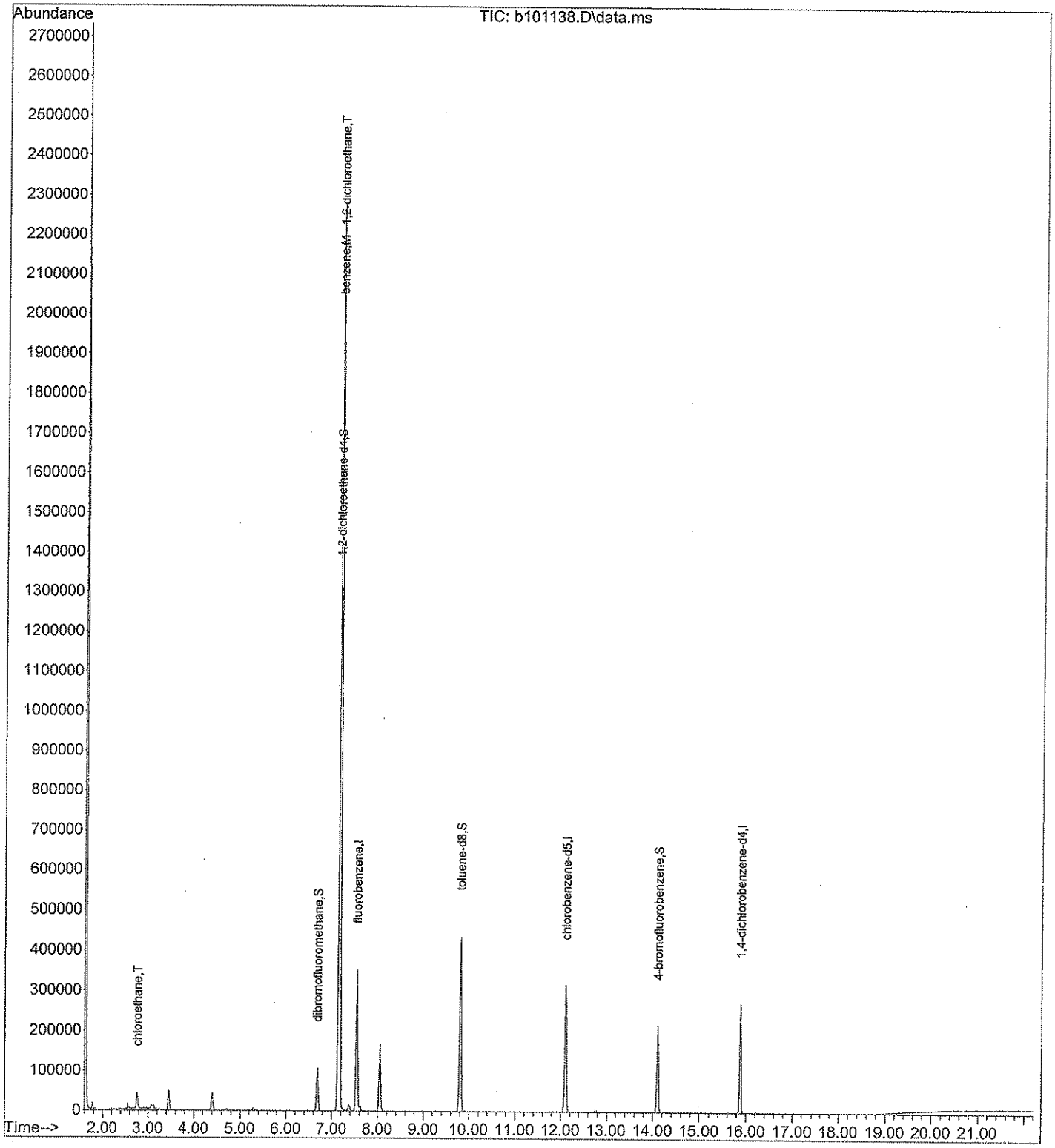
JN 10/12/07

10/15/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101138.D
Acq On : 12 Oct 2007 3:48 am
Operator : NLT
Sample : ,SAMP,ME0710258-17A,1,
Misc : 8260+_W25
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 12 05:58:50 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101207\
Data File : b101208.D
Acq On : 12 Oct 2007 11:40 am
Operator : NLT
Sample : ,SAMP,ME0710258-17A,5,RA,
Misc : 8260+_W25
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 12 14:54:45 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	433714	10.00	ug/L	0.00
35) chlorobenzene-d5	12.108	117	285661	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.872	152	96257	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.683	113	86588	10.60	ug/L	0.00
Spiked Amount 10.000			Recovery =	106.00%		
26) 1,2-dichloroethane-d4	7.133	65	79642	11.20	ug/L	0.00
Spiked Amount 10.000			Recovery =	112.00%		
38) toluene-d8	9.803	98	417430	10.04	ug/L	0.00
Spiked Amount 10.000			Recovery =	100.40%		
56) 4-bromofluorobenzene	14.096	95	114117	9.00	ug/L	0.00
Spiked Amount 10.000			Recovery =	90.00%		
Target Compounds						Qvalue
6) chloroethane	2.761	64	8618	1.21	ug/L	94
27) benzene	7.152	78	456847	9.27	ug/L	100
~~28~~) 1,2-dichloroethane	7.152	62	3656	~~0.38~~	ug/L	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

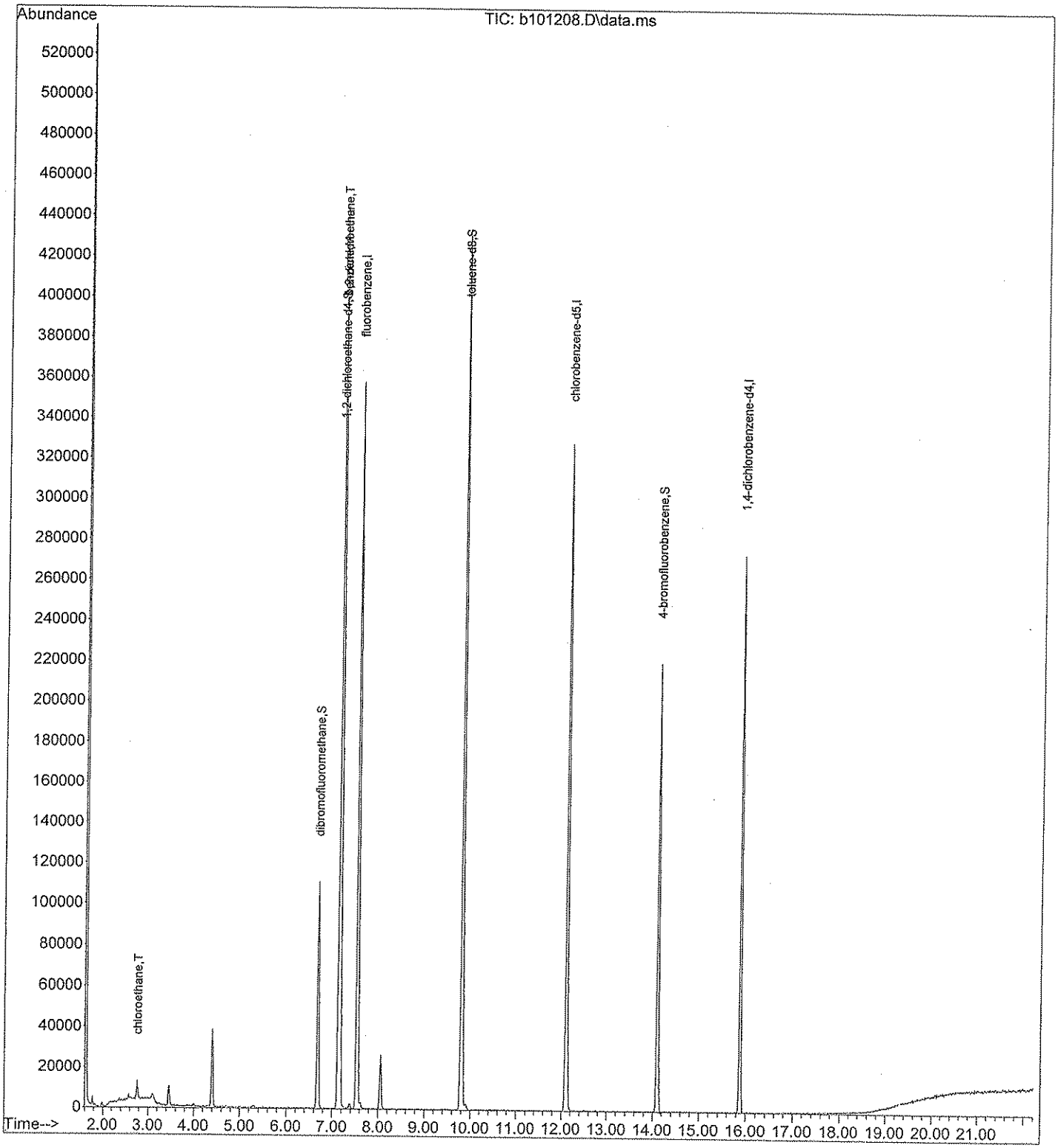
JN 10/12/07

10/15/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101207\
Data File : b101208.D
Acq On : 12 Oct 2007 11:40 am
Operator : NLT
Sample : ,SAMP,ME0710258-17A,5,RA,
Misc : 8260+_W25
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 12 14:54:45 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101139.D
Acq On : 12 Oct 2007 4:20 am
Operator : NLT
Sample : ,SAMP,ME0710258-18A,1,
Misc : 8260+_W25
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 12 05:59:05 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.537	96	444501	10.00	ug/L	0.00
35) chlorobenzene-d5	12.104	117	282356	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.875	152	107178	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.686	113	85135	10.17	ug/L	0.00
Spiked Amount 10.000			Recovery = 101.70%			
26) 1,2-dichloroethane-d4	7.130	65	65729	9.02	ug/L	0.00
Spiked Amount 10.000			Recovery = 90.20%			
38) toluene-d8	9.800	98	416189	10.12	ug/L	0.00
Spiked Amount 10.000			Recovery = 101.20%			
56) 4-bromofluorobenzene	14.099	95	115293	9.20	ug/L	0.00
Spiked Amount 10.000			Recovery = 92.00%			
Target Compounds						Qvalue
6) chloroethane	2.757	64	74338	10.20	ug/L	98
14) trans-1,2-dichloroethene	4.710	96	5320	0.43	ug/L	95
27) benzene	7.160	78	19971608	395.23	ug/L E	91
DT 29) 1,2-dichloroethane	7.160	62	209961	21.37	ug/L	87
30) trichloroethene	8.042	95	4547	0.37	ug/L	95
47) chlorobenzene	12.147	112	14211	0.47	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

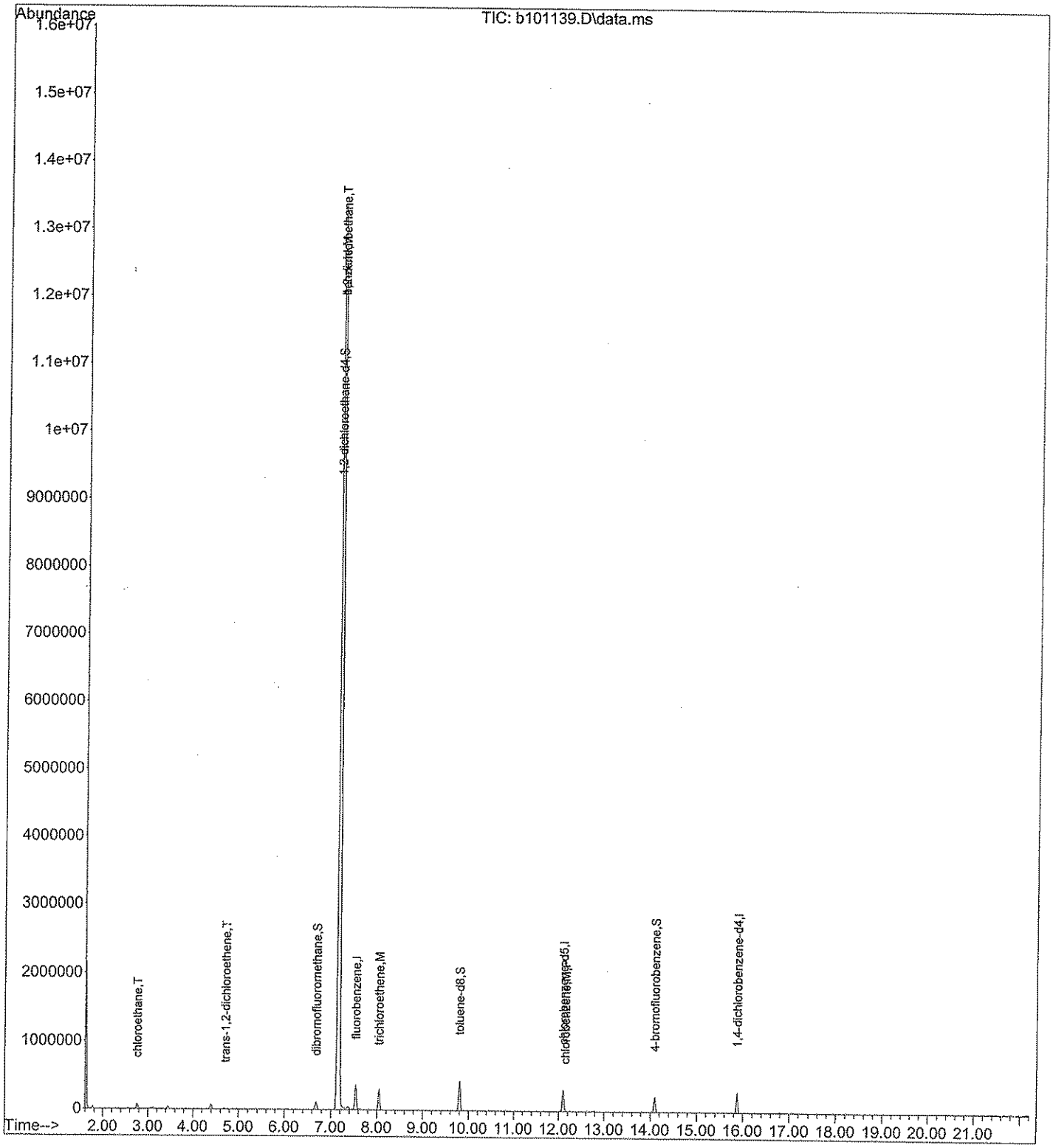
JN 10/12/07

10/15/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101107\
Data File : b101139.D
Acq On : 12 Oct 2007 4:20 am
Operator : NLT
Sample : ,SAMP,ME0710258-18A,1,
Misc : 8260+_W25
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 12 05:59:05 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101207\
Data File : b101209.D
Acq On : 12 Oct 2007 12:12 pm
Operator : NLT
Sample : ,SAMP,ME0710258-18A,50,RA,
Misc : 8260+_W25
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 12 14:54:49 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	427927	10.00	ug/L	0.00
35) chlorobenzene-d5	12.102	117	278814	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.879	152	95120	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.684	113	86528	10.74	ug/L	0.00
Spiked Amount 10.000			Recovery =	107.40%		
26) 1,2-dichloroethane-d4	7.134	65	78286	11.16	ug/L	0.00
Spiked Amount 10.000			Recovery =	111.60%		
38) toluene-d8	9.803	98	410198	10.11	ug/L	0.00
Spiked Amount 10.000			Recovery =	101.10%		
56) 4-bromofluorobenzene	14.103	95	112559	9.10	ug/L	0.00
Spiked Amount 10.000			Recovery =	91.00%		
Target Compounds						Qvalue
27) benzene	7.152	78	537319	11.05	ug/L	100
29) 1,2-dichloroethane	7.158	62	4471	0.47	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

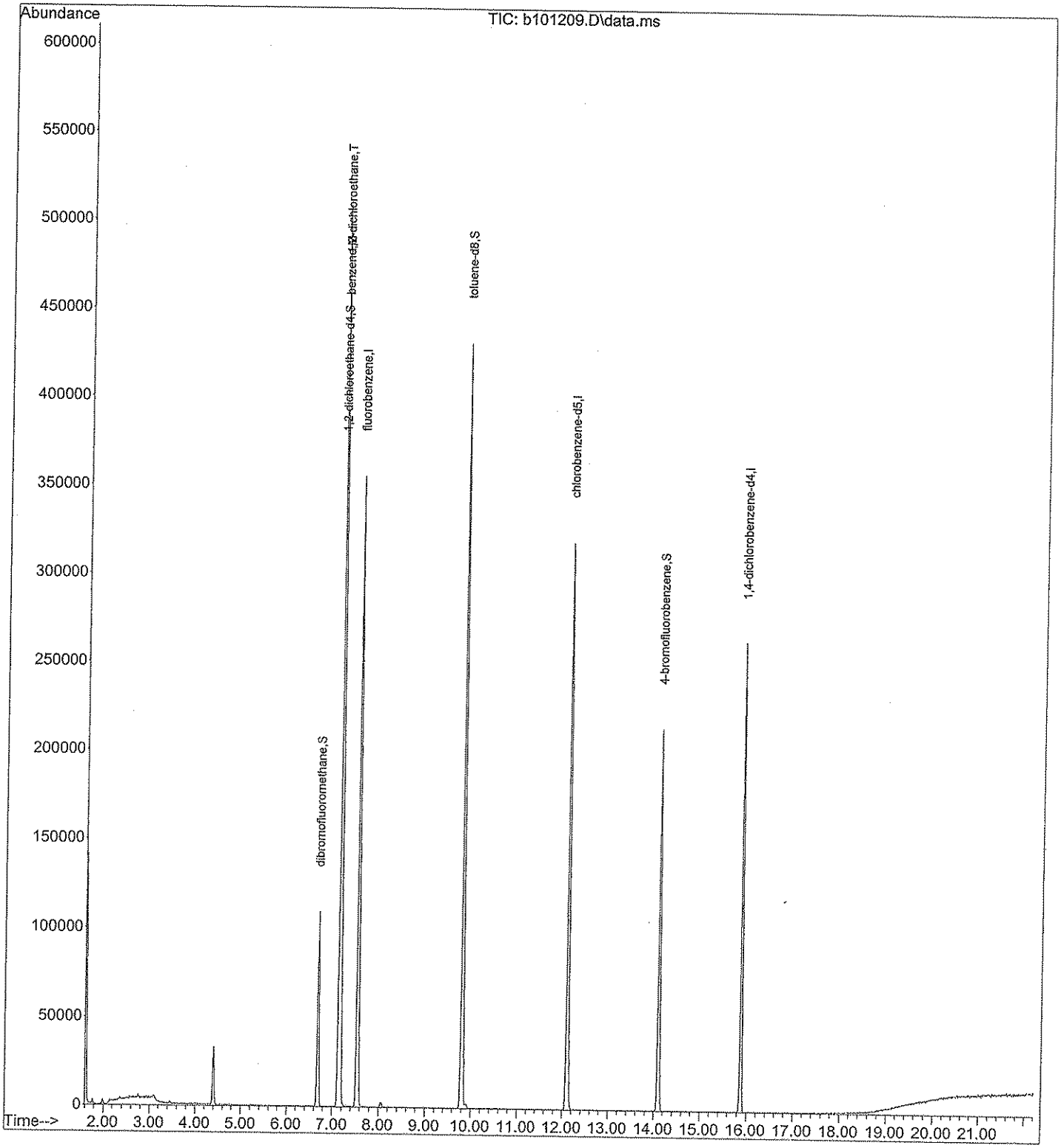
JW 10/12/07

m 10/15/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101207\
Data File : b101209.D
Acq On : 12 Oct 2007 12:12 pm
Operator : NLT
Sample : ,SAMP,ME0710258-18A,50,RA,
Misc : 8260+_W25
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 12 14:54:49 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



INJECTION LOG(S)

Injection Log

Directory: g:\b101107

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	b101101.d	1.	,tune,bfb tune,1,	bfb	11 Oct 07 06:4
2	2	b101102.d	1.	,CCV,CCV 50 ppb,1,	8260+_W25	11 Oct 07 07:0
3	3	b101103.d	1.	,CCV,CCV 50 ppb,1,	8260+_W25	11 Oct 07 07:4
4	4	b101104.d	1.	,MBLK,MBLK W-25 10/11/07,1,	8260+_W25	11 Oct 07 08:3
5	5	b101105.d	1.	,LCS,LCS W-10 PPB,1,	8260+_W25	11 Oct 07 09:0
6	6	b101106.d	1.	WRONG VIAL	8260+_W25	11 Oct 07 09:5
7	7	b101107.d	1.	,SAMP,ME0710172-04A,1,	8260+_W25	11 Oct 07 10:2
8	8	b101108.d	1.	,SAMP,ME0710172-11A,1,	8260+_W25	11 Oct 07 10:5
9	9	b101109.d	1.	,SAMP,ME0710205-01A,1,	8260+_W25	11 Oct 07 11:3
10	10	b101110.d	1.	,SAMP,ME0710205-02A,1,	8260+_W25	11 Oct 07 12:0
11	11	b101111.d	1.	,MS,ME0710172-04AMS,1,	8260+_W25	11 Oct 07 12:3
12	12	b101112.d	1.	,MSD,ME0710172-04AMSD,1,	8260+_W25	11 Oct 07 13:0
13	13	b101113.d	1.	,SAMP,ME0710258-01A,1,	8260+_W25	11 Oct 07 13:3
14	14	b101114.d	1.	,SAMP,ME0710258-02A,1,	8260+_W25	11 Oct 07 14:1
15	15	b101115.d	1.	,SAMP,ME0710258-03A,1,	8260+_W25	11 Oct 07 14:4
16	16	b101116.d	1.	,SAMP,ME0710258-04A,1,	8260+_W25	11 Oct 07 15:1
17	17	b101117.d	1.	,SAMP,ME0710258-05A,1,	8260+_W25	11 Oct 07 15:4
18	1	b101118.d	1.	,tune,bfb tune,1,	bfb	11 Oct 07 16:2
19	2	b101119.d	1.	,CCV,CCV 50 ppb,1,	8260+_W25	11 Oct 07 16:5
20	1	b101120.d	1.	,tune,bfb tune,1,	bfb	11 Oct 07 17:3
21	2	b101121.d	1.	,CCV,CCV 50 ppb,1,	8260+_W25	11 Oct 07 17:5
22	3	b101122.d	1.	,MBLK,MBLK W-25 10/11/07,1,	8260_W25	11 Oct 07 18:4
23	4	b101123.d	1.	,LCS,LCS W-10 PPB,1,	8260_W25	11 Oct 07 19:1
24	5	b101124.d	1.	,SAMP,ME0710258-05A,5,RA,	8260+_W25	11 Oct 07 20:2
25	6	b101125.d	1.	,MS,ME0710258-05AMS,5,	8260_W25	11 Oct 07 20:5
26	7	b101126.d	1.	,MSD,ME0710258-05AMSD,51,	8260_W25	11 Oct 07 21:2
27	8	b101127.d	1.	,SAMP,ME0710258-06A,1,	8260+_W25	11 Oct 07 21:5
28	9	b101128.d	1.	,SAMP,ME0710258-07A,1,	8260+_W25	11 Oct 07 22:2
29	10	b101129.d	1.	,SAMP,ME0710258-08A,1,	8260+_W25	11 Oct 07 23:0
30	11	b101130.d	1.	,SAMP,ME0710258-09A,1,	8260+_W25	11 Oct 07 23:3
31	12	b101131.d	1.	,SAMP,ME0710258-10A,1,	8260+_W25	12 Oct 07 00:0
32	13	b101132.d	1.	,SAMP,ME0710258-11A,1,	8260+_W25	12 Oct 07 00:3
33	14	b101133.d	1.	,SAMP,ME0710258-12A,1,	8260+_W25	12 Oct 07 01:0
34	15	b101134.d	1.	,SAMP,ME0710258-13A,1,	8260+_W25	12 Oct 07 01:4
35	16	b101135.d	1.	,SAMP,ME0710258-14A,1,	8260+_W25	12 Oct 07 02:1
36	17	b101136.d	1.	,SAMP,ME0710258-15A,1,	8260+_W25	12 Oct 07 02:4
37	18	b101137.d	1.	,SAMP,ME0710258-16A,1,	8260+_W25	12 Oct 07 03:1
38	19	b101138.d	1.	,SAMP,ME0710258-17A,1,	8260+_W25	12 Oct 07 03:4
39	20	b101139.d	1.	,SAMP,ME0710258-18A,1,	8260+_W25	12 Oct 07 04:2
40	21	b101140.d	1.	RINSE	8260+_W25	12 Oct 07 04:5
41	22	b101141.d	1.	RINSE	8260+_W25	12 Oct 07 05:2
42	23	b101142.d	1.	RINSE	8260+_W25	12 Oct 07 05:5

Injection Log

Directory: g:\b101207

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	b101201.d	1.	,tune,bfb tune,1,	bfb	12 Oct 07 05:5
2	2	b101202.d	1.	,CCV,CCV 10 ppb,1,	8260_W25	12 Oct 07 06:2
3	3	b101203.d	1.	,CCV,CCV 50 ppb,1,	8260+_W	12 Oct 07 06:5
4	4	b101204.d	1.	,CCV,CCV 10 ppb,1,	8260_W25	12 Oct 07 08:0
5	5	b101205.d	1.	,MBLK,MBLK W-25 10/12/07,1,	8260+_W25	12 Oct 07 09:0
6	6	b101206.d	1.	,LCS,LCS W-10 PPB,1,	8260+_W25	12 Oct 07 09:3
7	7	b101207.d	1.	,SAMP,ME0710258-09A,5,RA,	8260+_W25	12 Oct 07 11:0
8	8	b101208.d	1.	,SAMP,ME0710258-17A,5,RA,	8260+_W25	12 Oct 07 11:4
9	9	b101209.d	1.	,SAMP,ME0710258-18A,50,RA,	8260+_W25	12 Oct 07 12:1
10	10	b101210.d	1.	,MS,ME0710258-9AMS,5,	8260+_W25	12 Oct 07 12:4
11	11	b101211.d	1.	,MSD,ME0710258-9AMSD,5,	8260+_W25	12 Oct 07 13:1
12	12	b101212.d	1.	,tune,bfb tune,1,	bfb	12 Oct 07 15:1
13	13	b101213.d	1.	,CCV,CCV 50 ppb,1,	8260_W	12 Oct 07 15:3
14	14	b101214.d	1.	,MBLK,MBLK W-25 10/12/07,1,	8260_W	12 Oct 07 16:2
15	15	b101215.d	1.	,LCS,LCS W-10 PPB,1,	8260_W	12 Oct 07 17:0
16	16	b101216.d	1.	,SAMP,ME0710282-01A,1,	BTEX+M_W	12 Oct 07 17:5
17	17	b101217.d	1.	,SAMP,ME0710282-03A,1,	BTEX+M_W	12 Oct 07 18:2
18	18	b101218.d	1.	,SAMP,ME0710282-04A,1,	BTEX+M_W	12 Oct 07 18:5
19	19	b101219.d	1.	,SAMP,ME0710282-06A,1,	BTEX+M_W	12 Oct 07 19:2
20	20	b101220.d	1.	,SAMP,ME0710282-07A,1,	BTEX+M_W	12 Oct 07 19:5
21	21	b101221.d	1.	,SAMP,ME0710282-08A,1,	BTEX+M_W	12 Oct 07 20:3
22	22	b101222.d	1.	,SAMP,ME0710282-10A,1,	BTEX+M_W	12 Oct 07 21:0
23	23	b101223.d	1.	,SAMP,ME0710282-02A,25,	BTEX+M_W	12 Oct 07 21:3
24	24	b101224.d	1.	,SAMP,ME0710282-05A,25,	BTEX+M_W	12 Oct 07 22:0
25	25	b101225.d	1.	,SAMP,ME0710282-09A,25,	8260_W	12 Oct 07 22:3
26	26	b101226.d	1.	,MS,ME0710282-09AMS,25,	8260_W	12 Oct 07 23:0
27	27	b101227.d	1.	,MSD,ME0710282-09AMSD,25,	8260_W	12 Oct 07 23:4
28	28	b101228.d	1.	,SAMP,ME0710338-01A,1,	8260_W	13 Oct 07 00:1
29	29	b101229.d	1.	,SAMP,ME0710339-01A,1,	BTEX+M_W	13 Oct 07 00:4
30	30	b101230.d	1.	,SAMP,ME0710339-02A,1,	624+_W	13 Oct 07 01:1
31	31	b101231.d	1.	,SAMP,ME0710342-01A,1,	BTEX+M_W	13 Oct 07 01:4
32	32	b101232.d	1.	,SAMP,ME0710342-02A,1,	624+_W	13 Oct 07 02:1
33		b101233.d	1.			

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101107\\
Data File : b101113.D
Acq On : 11 Oct 2007 1:38 pmm
Operator : NLTT
Sample : ,SAMP,ME0710258-01A,1,,
Misc : 8260+_W255
ALS Vial : 13 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101113.D
Acq On : 11 Oct 2007 1:38 pm
Operator : NLT
Sample : ,SAMP,ME0710258-01A,1,
Misc : 8260+_W25
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101113.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.398	454	462	473	rBV	25581	56431	4.98%	1.223%
2	6.684	827	838	856	rBV	114930	284904	25.15%	6.174%
3	7.134	902	912	927	rBV2	88851	220501	19.46%	4.779%
4	7.542	967	979	999	rBV	362086	911458	80.45%	19.752%
5	9.804	1337	1351	1364	rBV	447319	1132979	100.00%	24.553%
6	12.103	1716	1729	1747	rVB	331262	849117	74.95%	18.401%
7	14.103	2046	2058	2071	rVB	231951	557213	49.18%	12.075%
8	15.873	2339	2349	2361	rVB	290805	601813	53.12%	13.042%

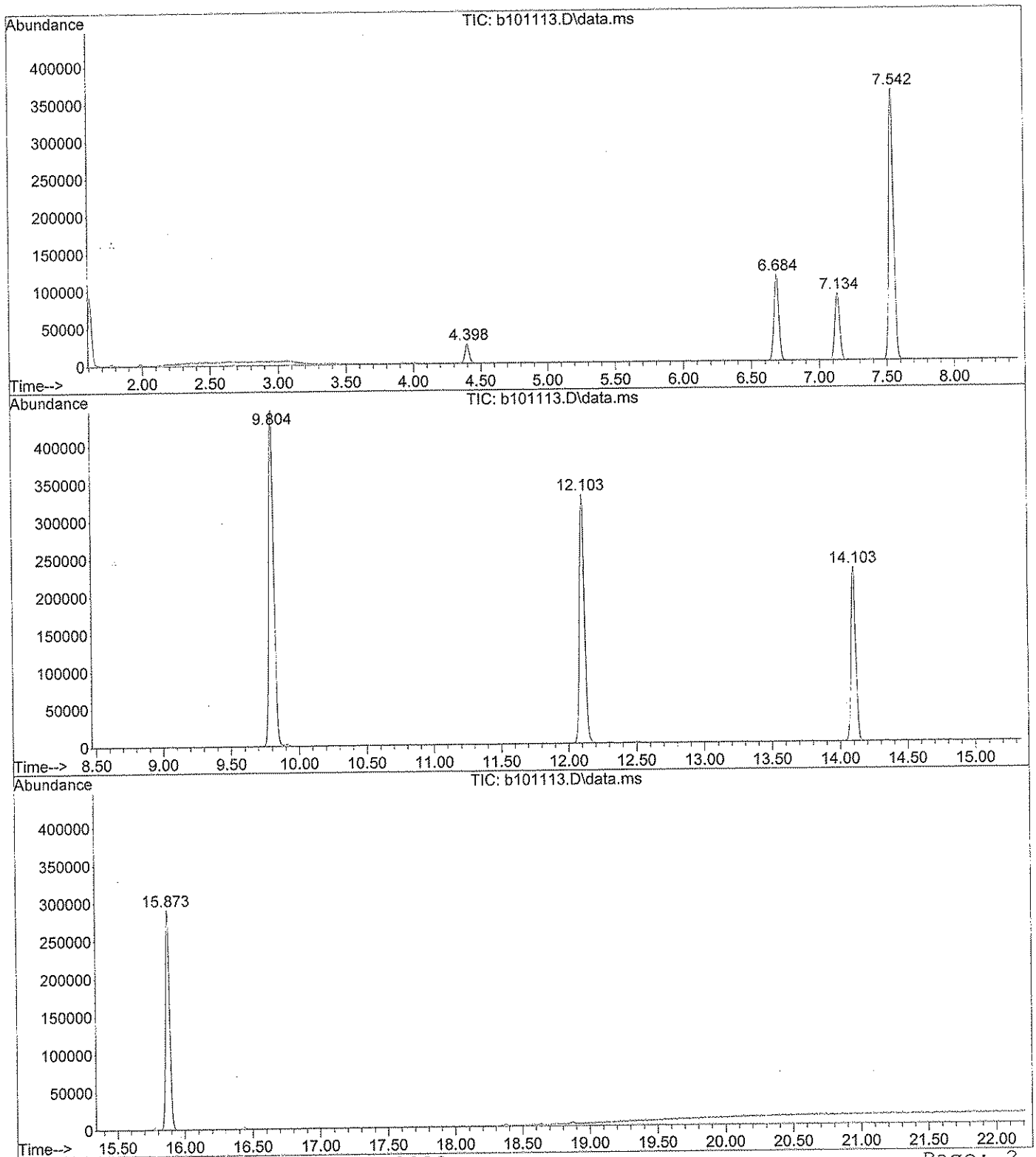
Sum of corrected areas: 4614416

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101107\
Data File : b101113.D
Acq On : 11 Oct 2007 1:38 pm
Operator : NLT
Sample : ,SAMP,ME0710258-01A,1,
Misc : 8260+_W25
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101107\\
Data File : b101114.D
Acq On : 11 Oct 2007 2:10 pmm
Operator : NLTT
Sample : ,SAMP,ME0710258-02A,1,,
Misc : 8260+_W255
ALS Vial : 14 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101114.D
Acq On : 11 Oct 2007 2:10 pm
Operator : NLT
Sample : ,SAMP,ME0710258-02A,1,
Misc : 8260+_W25
ALS Vial : 14 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101114.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.686	828	838	854	rBV	111578	277611	25.10%	6.319%
2	7.130	900	911	925	rBV	86403	214127	19.36%	4.874%
3	7.538	966	978	993	rBV	350597	884556	79.97%	20.136%
4	9.800	1335	1350	1363	rBV	434926	1106041	100.00%	25.178%
5	12.105	1714	1729	1747	rBV	329930	827861	74.85%	18.845%
6	14.099	2046	2057	2070	rBV	217791	532679	48.16%	12.126%
7	15.875	2340	2349	2361	rBV	270235	550080	49.73%	12.522%

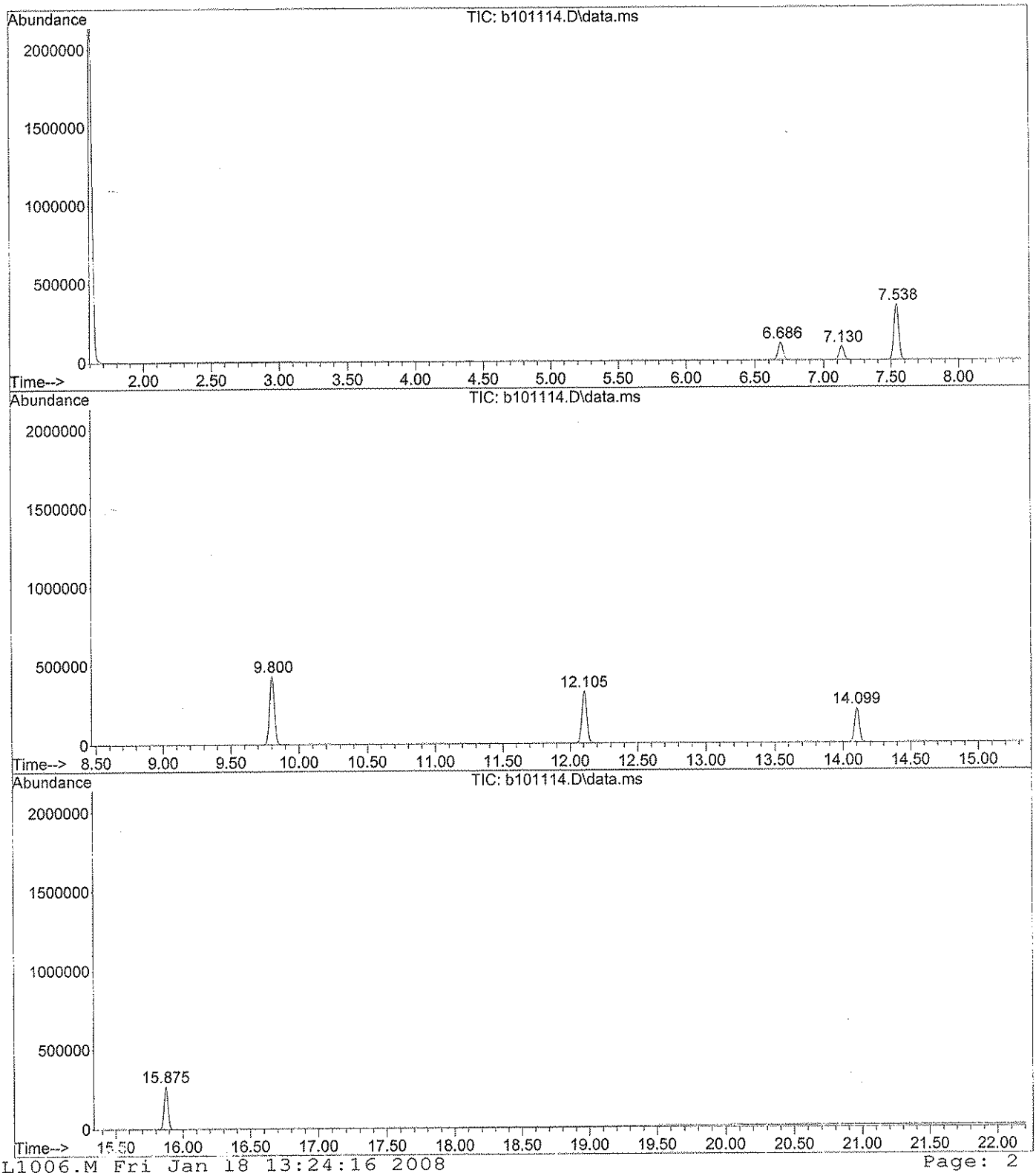
Sum of corrected areas: 4392955

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101107\
Data File : b101114.D
Acq On : 11 Oct 2007 2:10 pm
Operator : NLT
Sample : ,SAMP,ME0710258-02A,1,
Misc : 8260+_W25
ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101107\
Data File : b101115.D
Acq On : 11 Oct 2007 2:42 pm
Operator : NLT
Sample : ,SAMP,ME0710258-03A,1,
Misc : 8260+_W25
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Furan, tetrahydro-	6.440	1.2	ug/L	105997	1	7.540	887877	10.0

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101115.D
Acq On : 11 Oct 2007 2:42 pm
Operator : NLT
Sample : ,SAMP,ME0710258-03A,1,
Misc : 8260+_W25
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101115.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.440	786	798	818	rBV2	35046	105997	9.59%	2.316%
2	6.683	828	838	854	rVB	110111	278730	25.22%	6.091%
3	7.133	900	912	928	rBV2	87852	221935	20.08%	4.850%
4	7.540	967	979	994	rBV	357637	887877	80.33%	19.403%
5	8.641	1150	1160	1185	rBV	21344	67454	6.10%	1.474%
6	9.803	1338	1351	1379	rVB	440905	1105337	100.00%	24.156%
7	12.107	1718	1730	1745	rBV	321991	820326	74.22%	17.927%
8	14.102	2047	2058	2074	rBV	216235	532487	48.17%	11.637%
9	15.878	2337	2350	2360	rBV	273459	555725	50.28%	12.145%

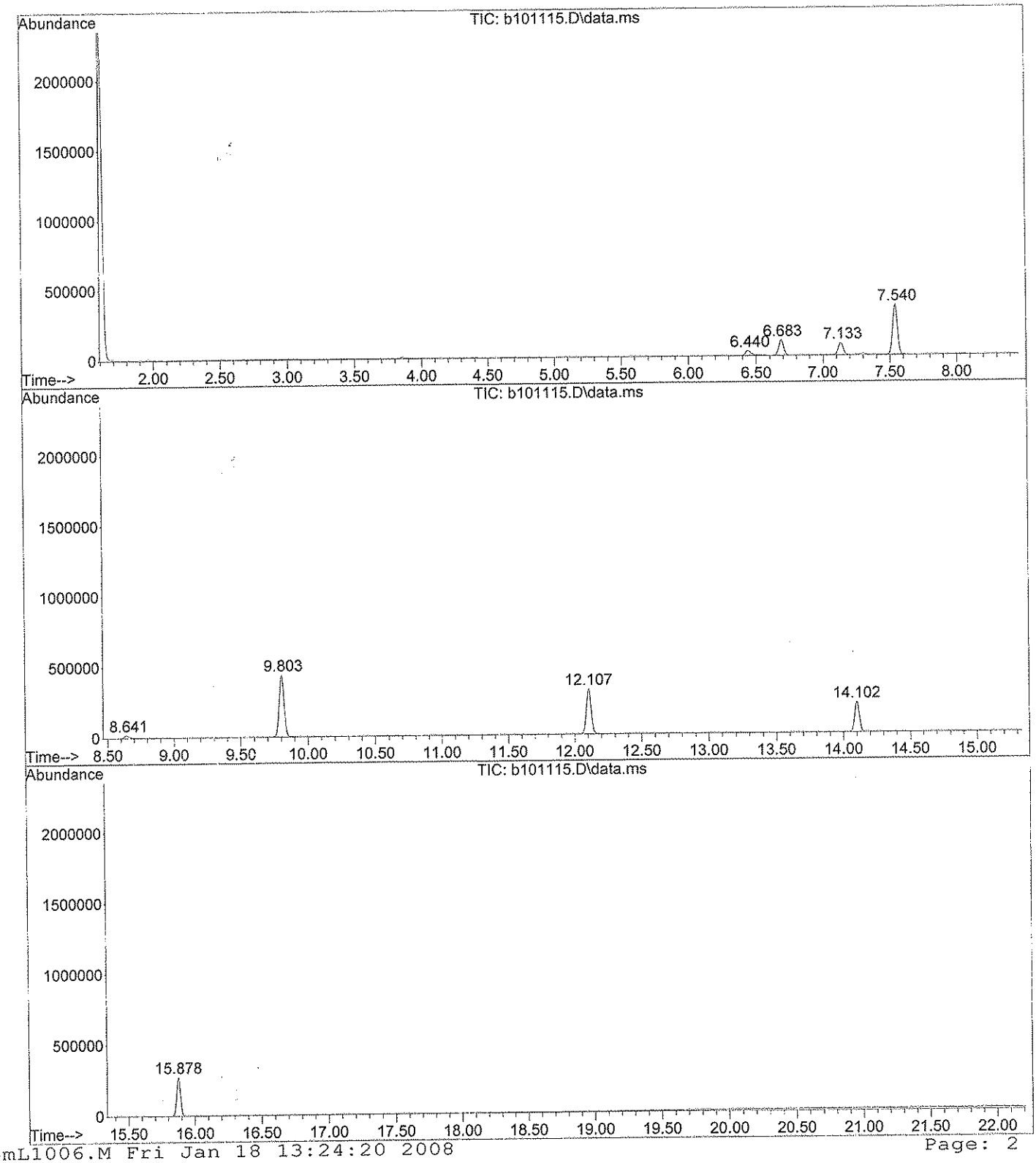
Sum of corrected areas: 4575868

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101107\
Data File : b101115.D
Acq On : 11 Oct 2007 2:42 pm
Operator : NLT
Sample : ,SAMP,ME0710258-03A,1,
Misc : 8260+_W25
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Data Path : D:\msdchem\1\data\b101107\
Data File : b101115.D
Acq On : 11 Oct 2007 2:42 pm
Operator : NLT
Sample : ,SAMP,ME0710258-03A,1,
Misc : 8260+_W25
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

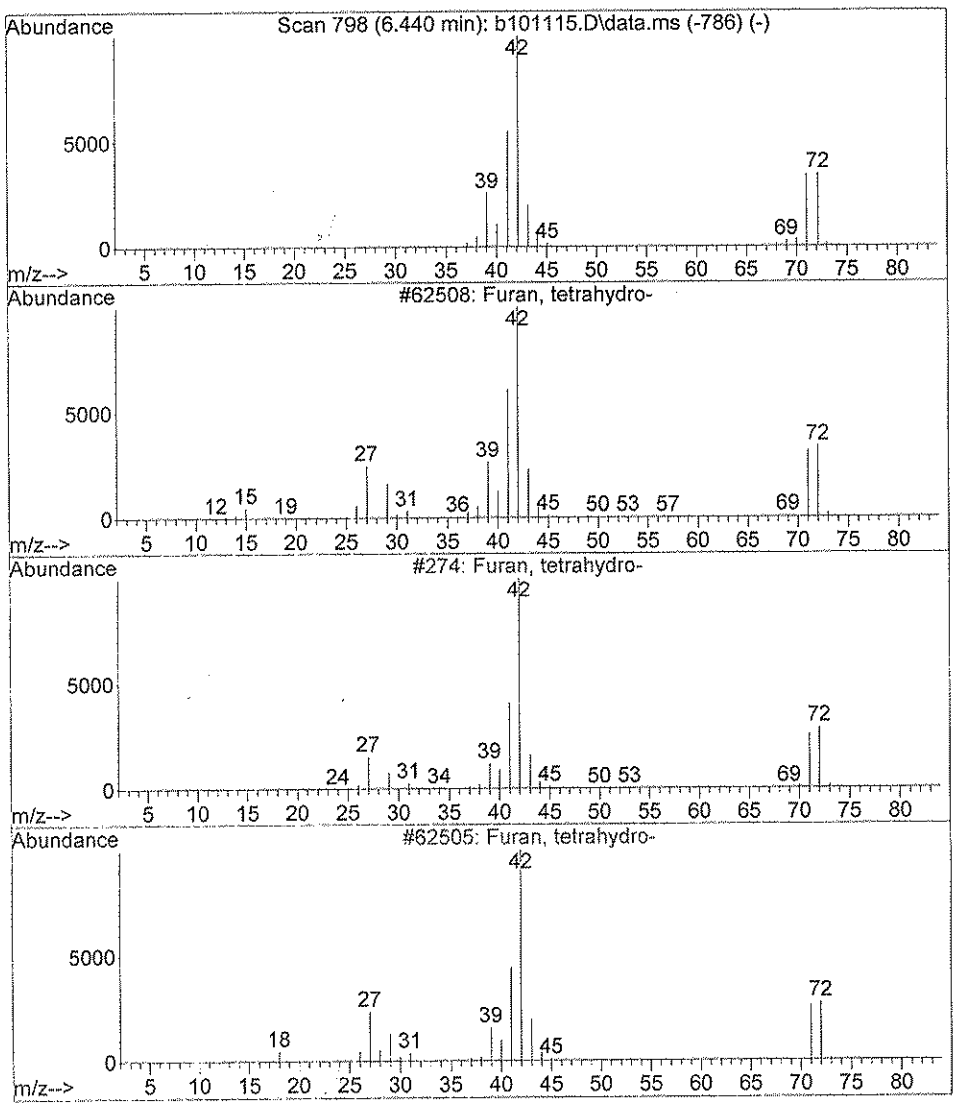
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

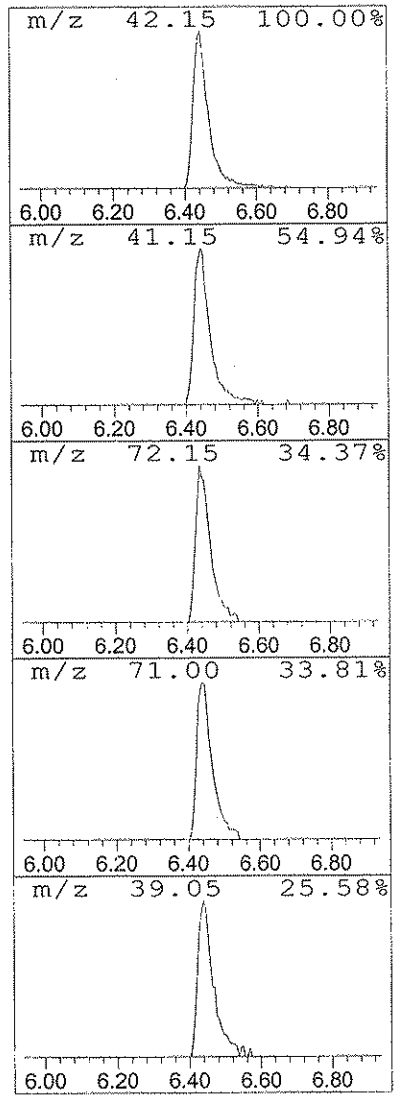
****

Peak Number 1 Furan, tetrahydro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.440	1.19 ug/L	105997	fluorobenzene	7.540

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-	72	C4H8O	000109-99-9	91
2	Furan, tetrahydro-	72	C4H8O	000109-99-9	90
3	Furan, tetrahydro-	72	C4H8O	000109-99-9	90
4	Furan, tetrahydro-	72	C4H8O	000109-99-9	86
5	Furan, tetrahydro-	72	C4H8O	000109-99-9	83





Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101107\
Data File : b101116.D
Acq On : 11 Oct 2007 3:14 pm
Operator : NLT
Sample : ,SAMP,ME0710258-04A,1,
Misc : 8260+_W25
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ether	3.450	8.2	ug/L	720767	1	7.537	875790	10.0

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101116.D
Acq On : 11 Oct 2007 3:14 pm
Operator : NLT
Sample : ,SAMP,ME0710258-04A,1,
Misc : 8260+_W25
ALS Vial : 16 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101116.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.450	297	306	330	rBV	347317	720767	66.41%	14.309%
2	6.686	827	838	853	rBV	110676	274816	25.32%	5.456%
3	7.136	898	912	928	rBV	85026	214754	19.79%	4.263%
4	7.537	964	978	997	rVB	353056	875790	80.70%	17.386%
5	9.805	1336	1351	1364	rBV	435735	1085278	100.00%	21.545%
6	12.104	1718	1729	1748	rVB	316253	811486	74.77%	16.110%
7	14.099	2044	2057	2069	rBV	213572	523197	48.21%	10.387%
8	15.875	2338	2349	2360	rBV	260275	531169	48.94%	10.545%

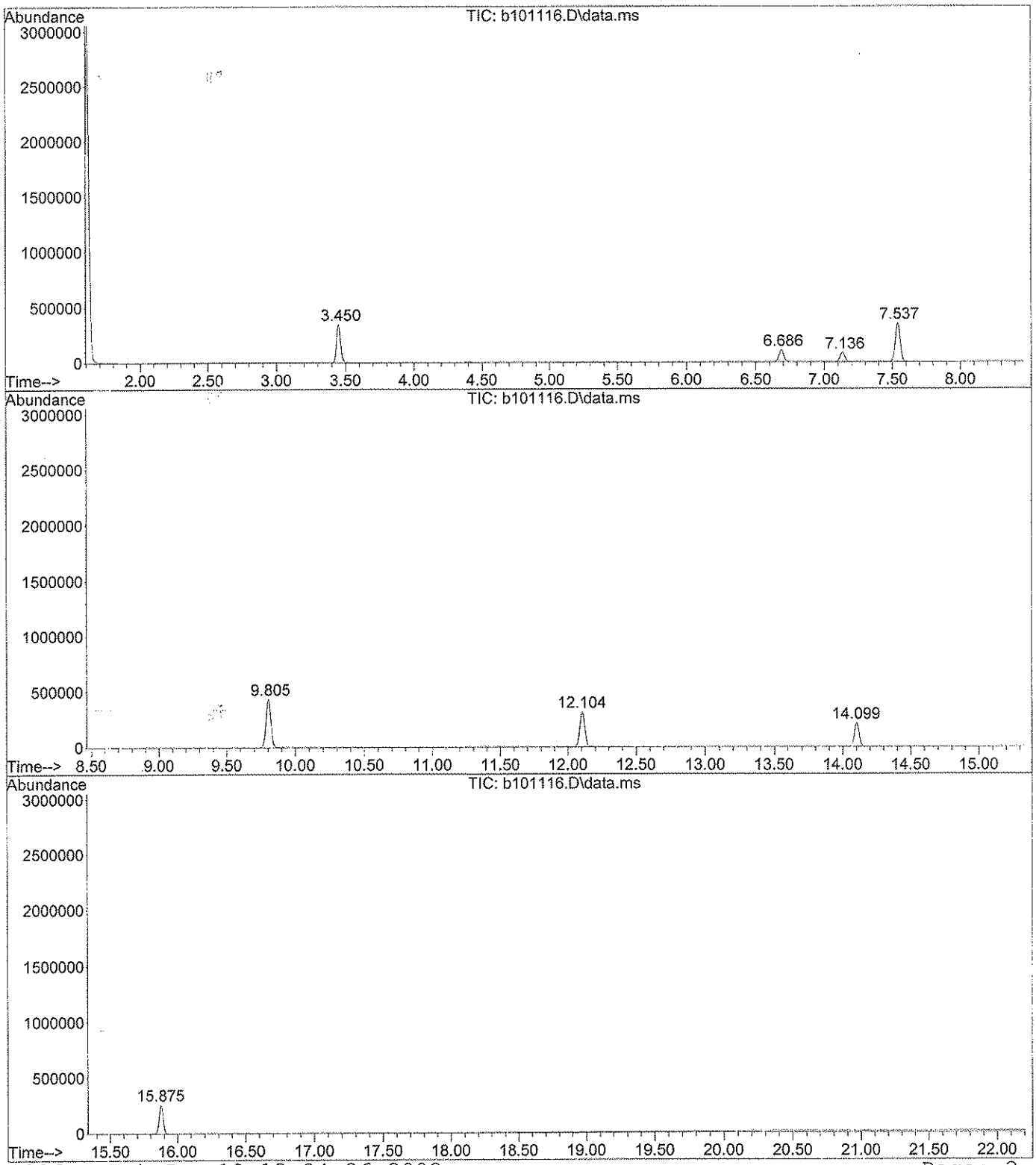
Sum of corrected areas: 5037257

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101107\
Data File : b101116.D
Acq On : 11 Oct 2007 3:14 pm
Operator : NLT
Sample : ,SAMP,ME0710258-04A,1,
Misc : 8260+_W25
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Data Path : D:\msdchem\1\data\b101107\
Data File : b101116.D
Acq On : 11 Oct 2007 3:14 pm
Operator : NLT
Sample : ,SAMP,ME0710258-04A,1,
Misc : 8260+_W25
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

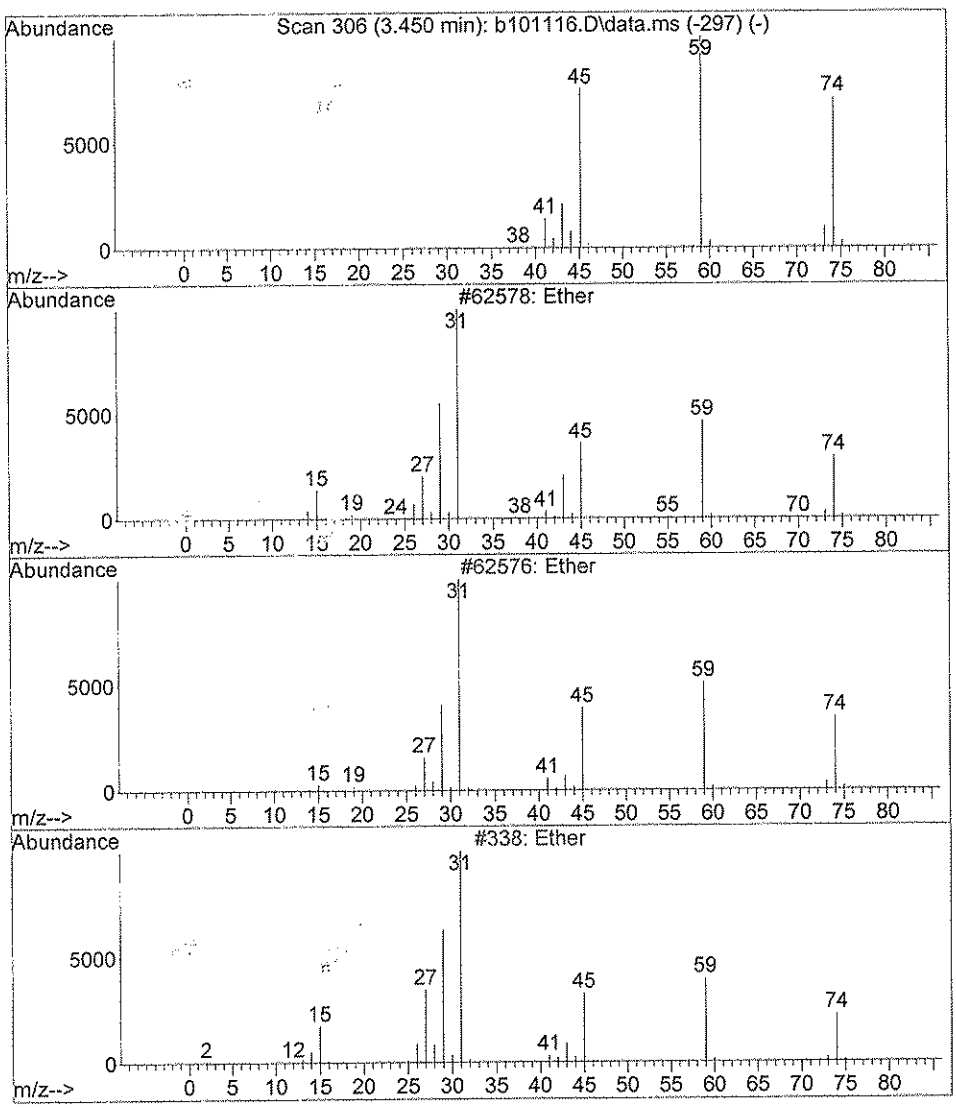
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

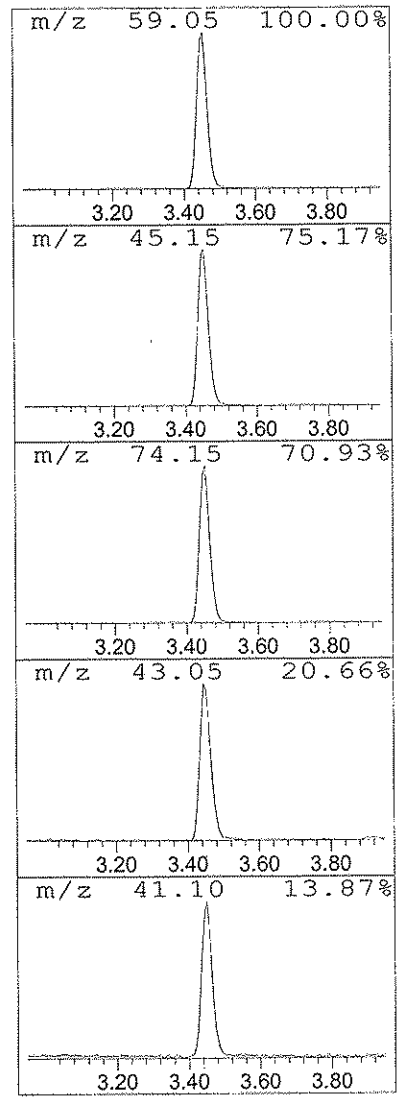
****

Peak Number 1 Ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.450	8.23 ug/L	720767	fluorobenzene	7.537

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ether	74	C4H10O	000060-29-7	90
2	Ether	74	C4H10O	000060-29-7	90
3	Ether	74	C4H10O	000060-29-7	90
4	Ether	74	C4H10O	000060-29-7	90
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	36





Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101107\\
Data File : b101117.D
Acq On : 11 Oct 2007 3:46 pmm
Operator : NLTT
Sample : ,SAMP,ME0710258-05A,1,,
Misc : 8260+_W255
ALS Vial : 17 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101117.D
Acq On : 11 Oct 2007 3:46 pm
Operator : NLT
Sample : ,SAMP,ME0710258-05A,1,
Misc : 8260+_W25
ALS Vial : 17 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 3 % of largest Peak
Max Peaks: 100
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101117.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.762	183	193	215	rBV	386022	839578	77.23%	16.248%
2	6.685	826	838	853	rVB	109324	275679	25.36%	5.335%
3	7.135	900	912	927	rBV	88102	216886	19.95%	4.197%
4	7.536	966	978	994	rBV	347505	877865	80.75%	16.988%
5	9.804	1338	1351	1363	rBV	435522	1087115	100.00%	21.038%
6	12.103	1715	1729	1746	rVB	315232	808802	74.40%	15.652%
7	14.104	2046	2058	2070	rBV	218347	520626	47.89%	10.075%
8	15.874	2339	2349	2362	rVB	265753	540864	49.75%	10.467%

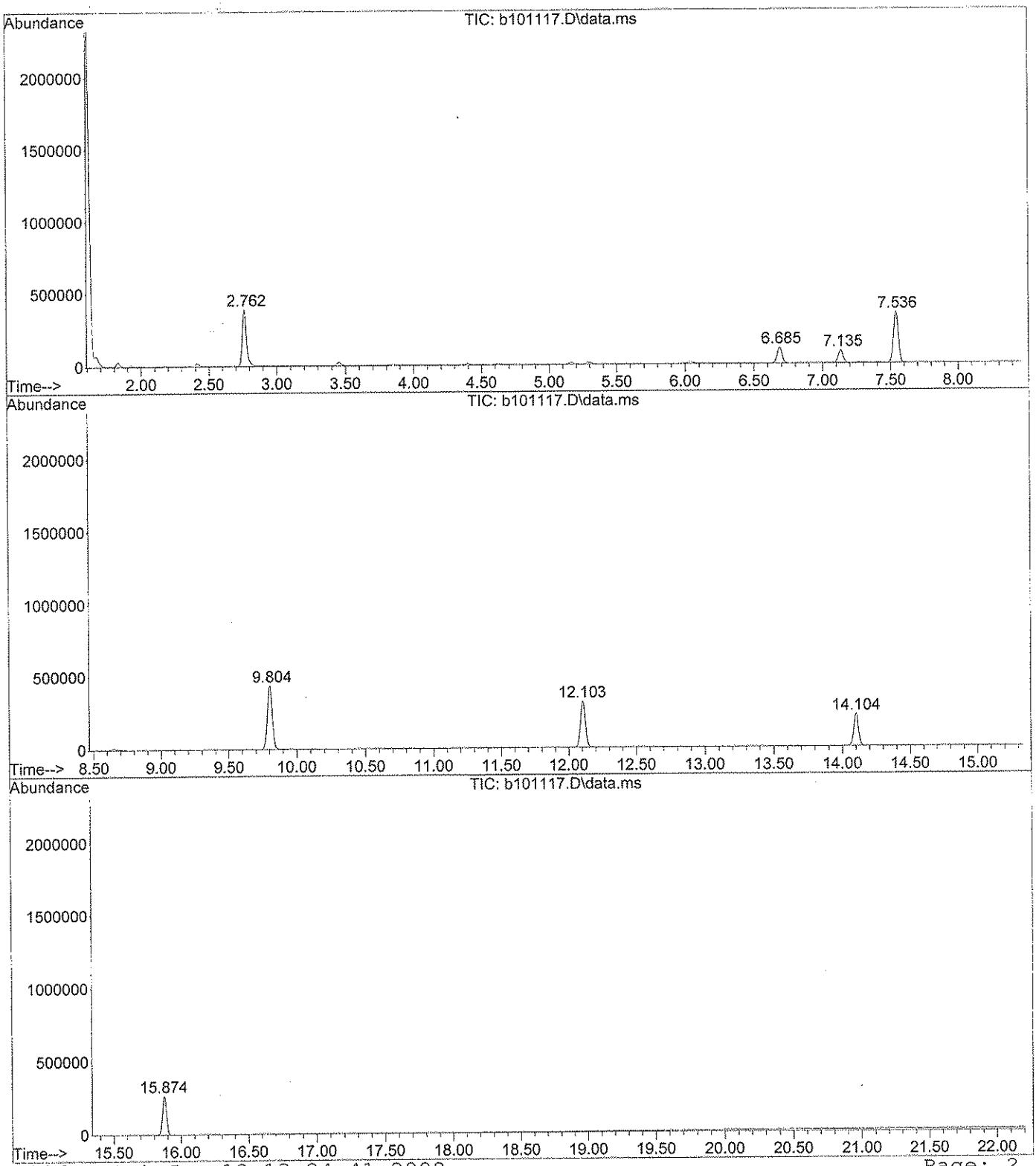
Sum of corrected areas: 5167415

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101107\
Data File : b101117.D
Acq On : 11 Oct 2007 3:46 pm
Operator : NLT
Sample : ,SAMP,ME0710258-05A,1,
Misc : 8260+_W25
ALS Vial : 17 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101107\\
Data File : b101127.D
Acq On : 11 Oct 2007 9:56 pmm
Operator : NLTT
Sample : ,SAMP,ME0710258-06A,1,,
Misc : 8260+_W255
ALS Vial : 8 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101127.D
Acq On : 11 Oct 2007 9:56 pm
Operator : NLT
Sample : ,SAMP,ME0710258-06A,1,
Misc : 8260+_W25
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 3 % of largest Peak
Max Peaks: 100
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101127.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.684	824	838	852	rBV	115411	287520	24.91%	6.056%
2	7.134	900	912	931	rBV	93061	231441	20.05%	4.875%
3	7.377	940	952	967	rBV	36448	92348	8.00%	1.945%
4	7.541	967	979	990	rBV	369098	930317	80.61%	19.594%
5	9.804	1339	1351	1364	rBV	459069	1154166	100.00%	24.309%
6	12.102	1711	1729	1747	rVB	337661	865209	74.96%	18.223%
7	14.097	2045	2057	2071	rBV	230307	569717	49.36%	11.999%
8	15.873	2341	2349	2363	rBV	299395	617136	53.47%	12.998%

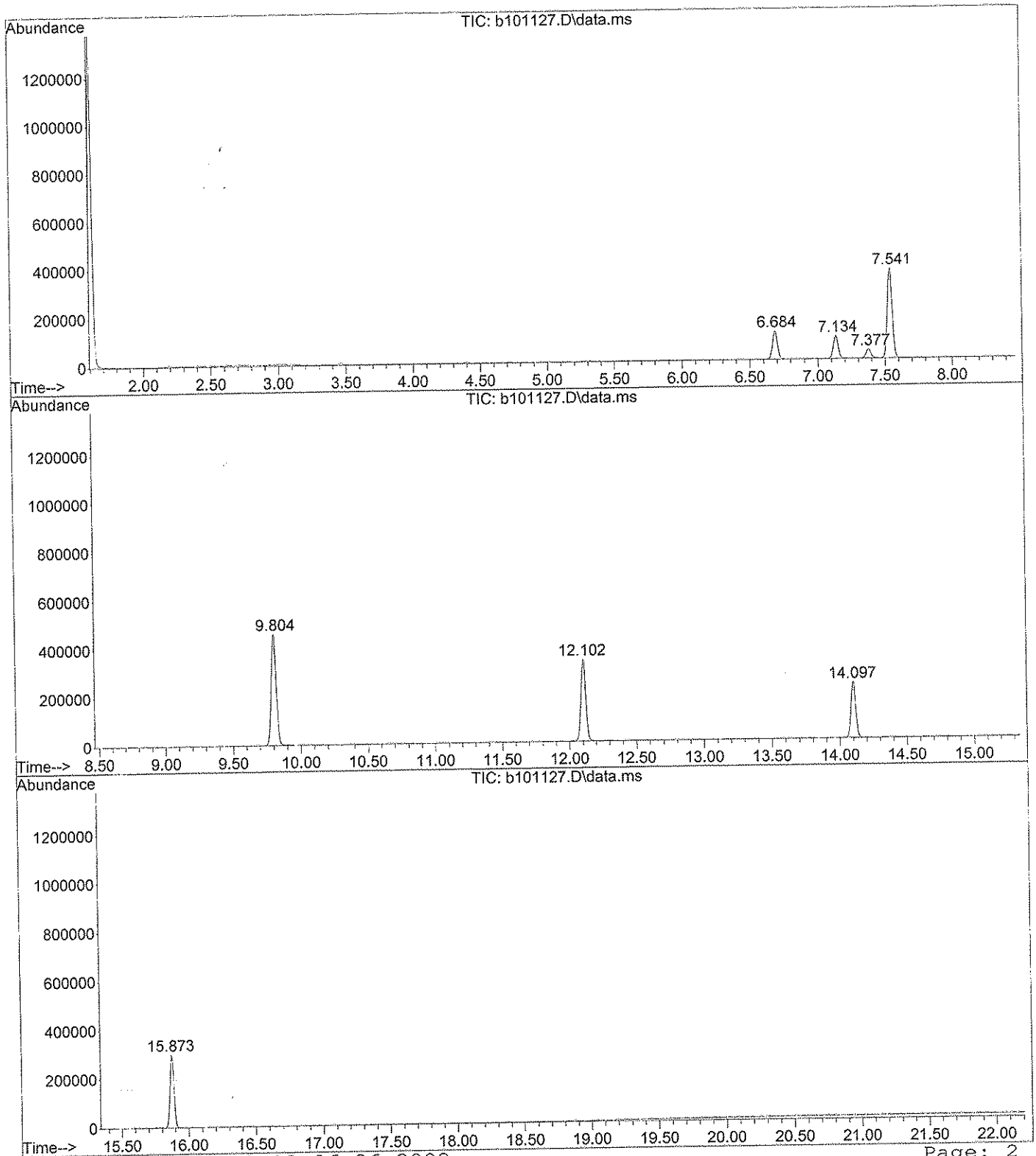
Sum of corrected areas: 4747854

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101107\
Data File : b101127.D
Acq On : 11 Oct 2007 9:56 pm
Operator : NLT
Sample : ,SAMP,ME0710258-06A,1,
Misc : 8260+_W25
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101107\
Data File : b101128.D
Acq On : 11 Oct 2007 10:28 pm
Operator : NLT
Sample : ,SAMP,ME0710258-07A,1,
Misc : 8260+_W25
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Ether	3.454	1.5	ug/L	140045	1	7.540	933908	10.0
Diisopropyl ether	5.290	1.5	ug/L	138399	1	7.540	933908	10.0
Di-n-propyl ether	7.370	10.0	ug/L	934764	1	7.540	933908	10.0
Diethyl sulfide	8.051	1.5	ug/L	144343	1	7.540	933908	10.0

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101128.D
Acq On : 11 Oct 2007 10:28 pm
Operator : NLT
Sample : ,SAMP,ME0710258-07A,1,
Misc : 8260+_W25
ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101128.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.454	299	307	321	rVB	65631	140045	12.31%	2.153%
2	5.290	599	609	625	rVB2	47860	138399	12.17%	2.128%
3	6.689	827	839	852	rVB	110162	279912	24.61%	4.303%
4	7.145	899	914	930	rBV3	266992	773155	67.98%	11.886%
5	7.370	940	951	968	rBV	378255	934764	82.19%	14.370%
6	7.540	968	979	988	rBV	377129	933908	82.12%	14.357%
7	8.051	1052	1063	1077	rBV	59470	144343	12.69%	2.219%
8	9.802	1337	1351	1365	rBV	451347	1137283	100.00%	17.483%
9	12.107	1710	1730	1747	rVB	335666	871654	76.64%	13.400%
10	14.102	2047	2058	2072	rVB	227945	553420	48.66%	8.508%
11	15.878	2338	2350	2360	rBV	294525	598103	52.59%	9.195%

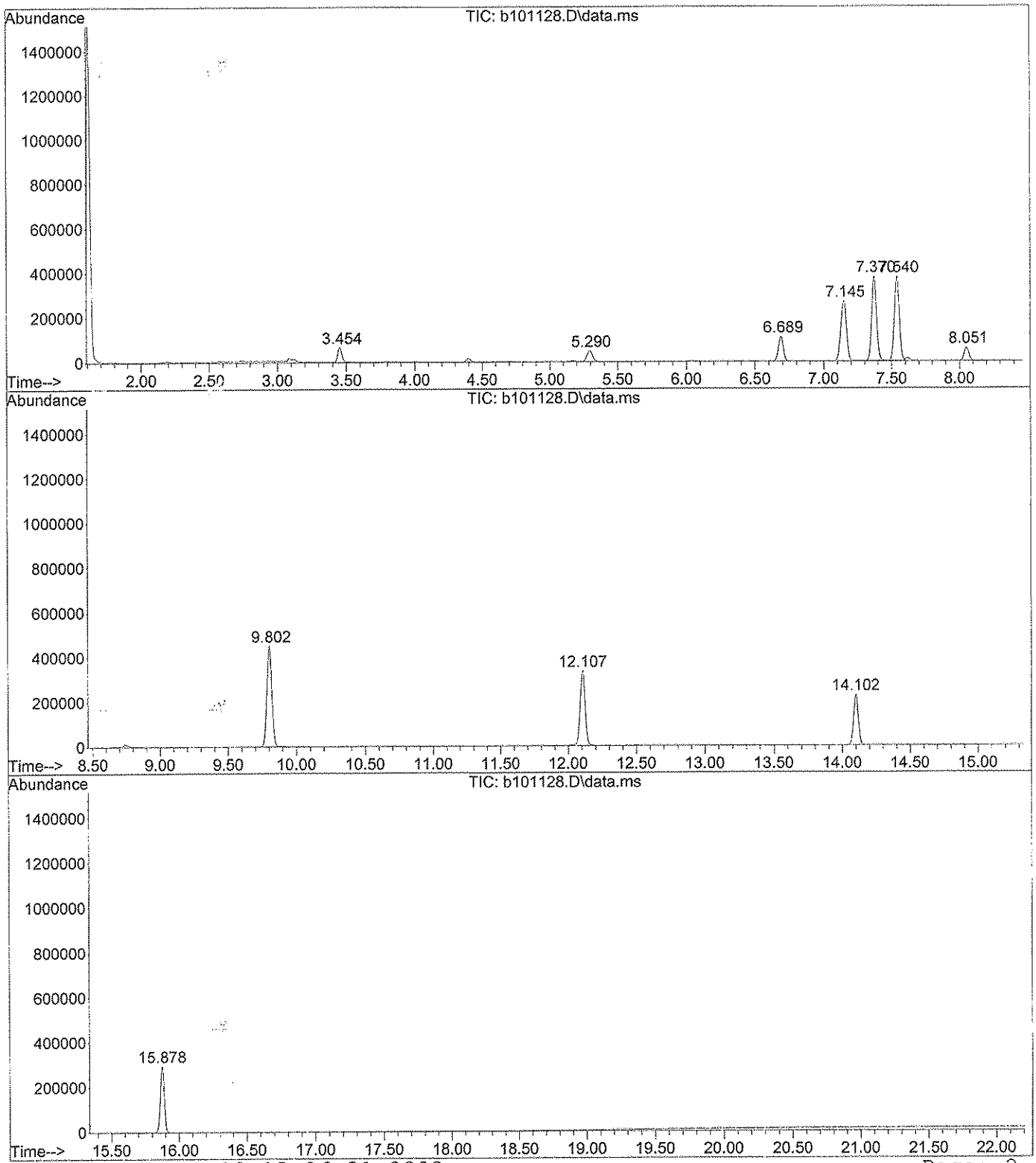
Sum of corrected areas: 6504986

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101107\
Data File : b101128.D
Acq On : 11 Oct 2007 10:28 pm
Operator : NLT
Sample : ,SAMP,ME0710258-07A,1,
Misc : 8260+_W25
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Data Path : D:\msdchem\1\data\b101107\
Data File : b101128.D
Acq On : 11 Oct 2007 10:28 pm
Operator : NLT
Sample : ,SAMP,ME0710258-07A,1,
Misc : 8260+_W25
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

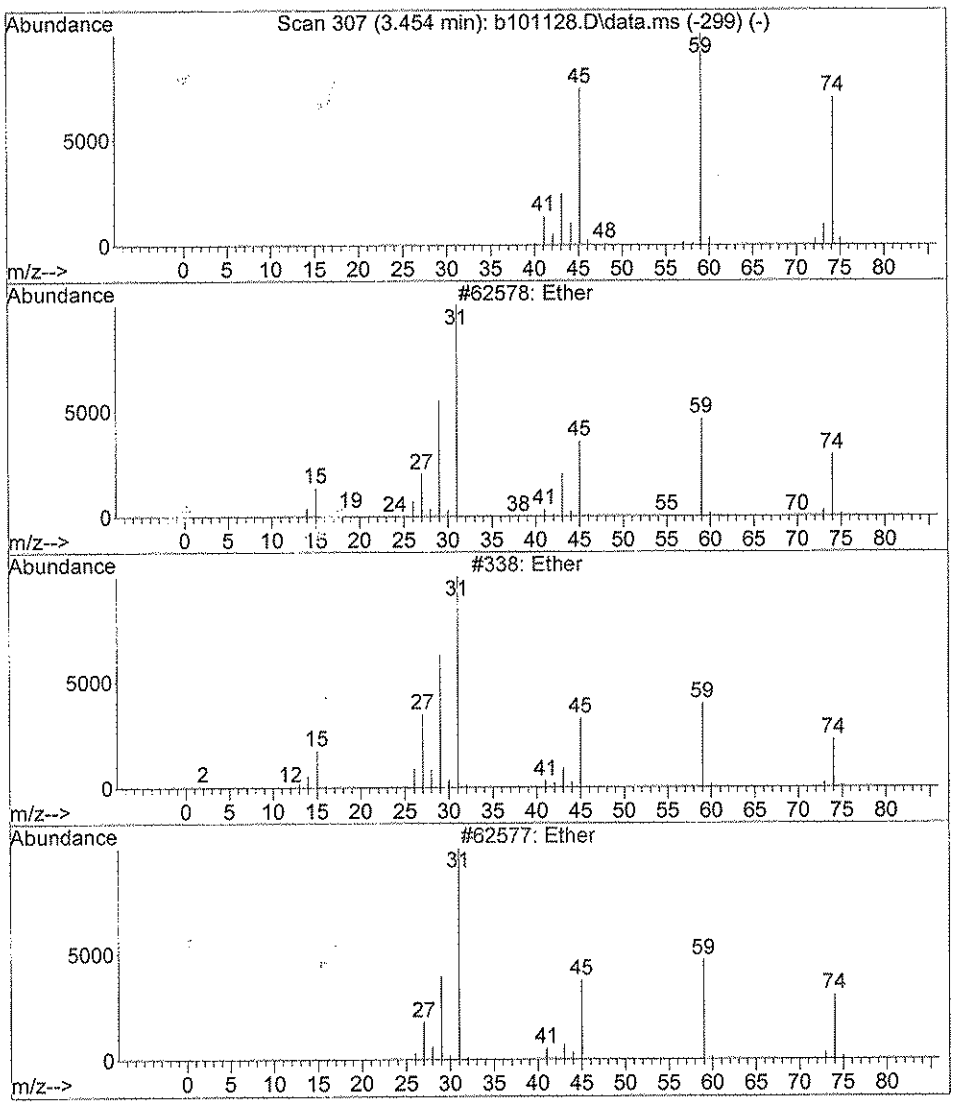
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

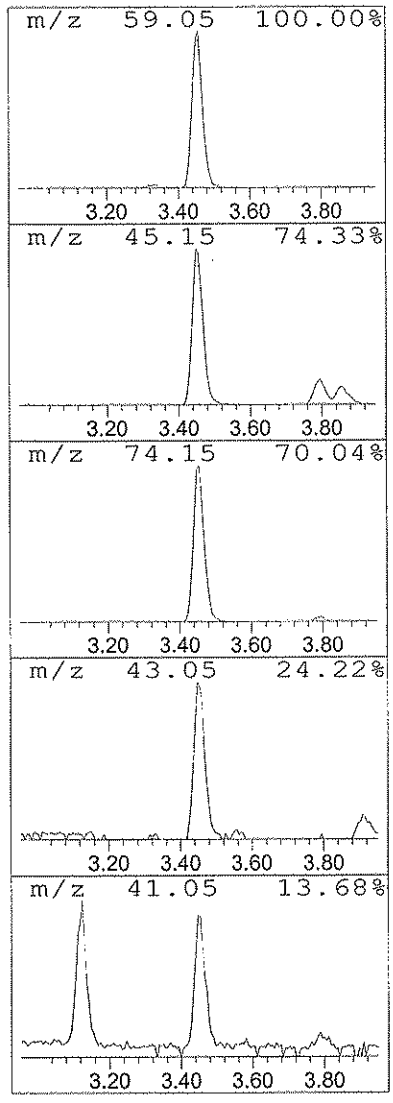
****

Peak Number 1 Ether Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.454	1.50 ug/L	140045	fluorobenzene	7.540

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ether	74	C4H10O	000060-29-7	90
2	Ether	74	C4H10O	000060-29-7	90
3	Ether	74	C4H10O	000060-29-7	90
4	Ether	74	C4H10O	000060-29-7	86
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	59





Library Search Compound Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101128.D
Acq On : 11 Oct 2007 10:28 pm
Operator : NLT
Sample : ,SAMP,ME0710258-07A,1,
Misc : 8260+_W25
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

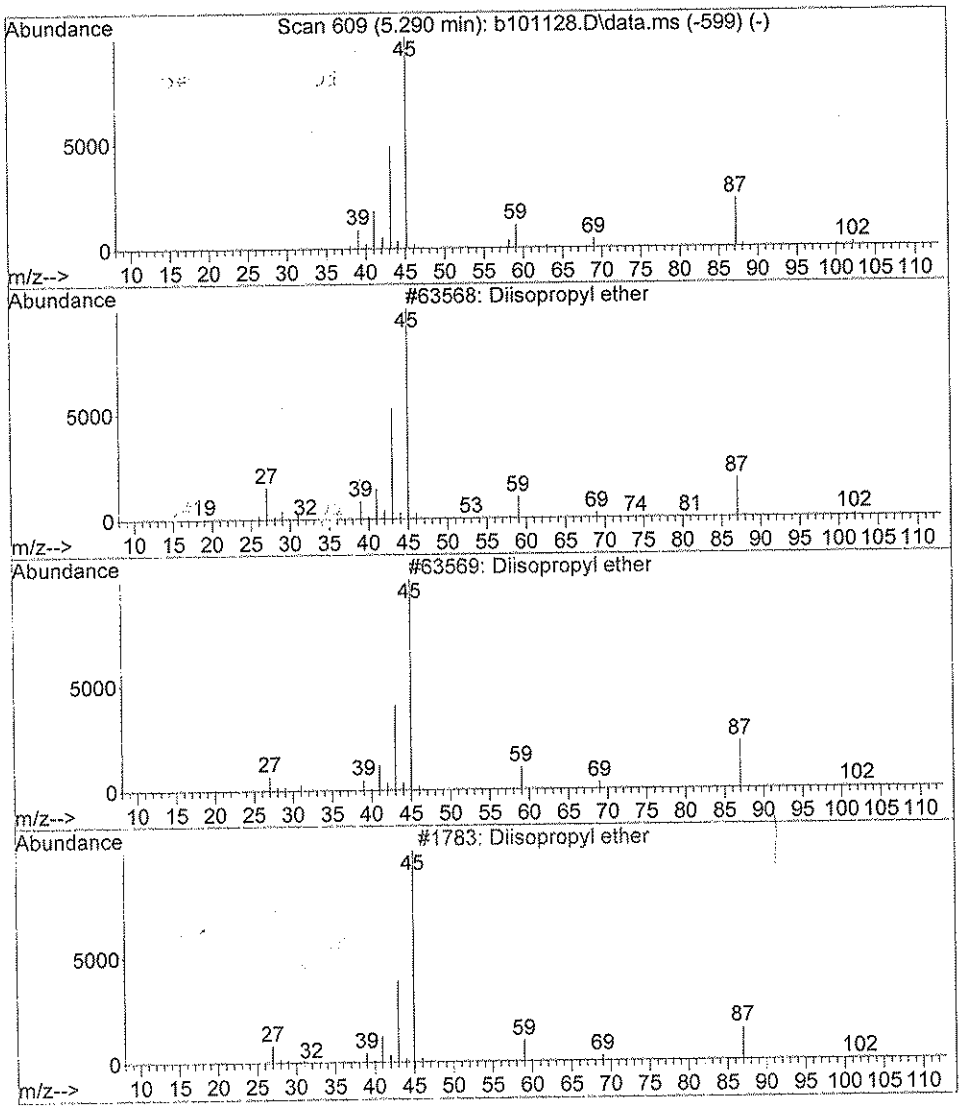
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

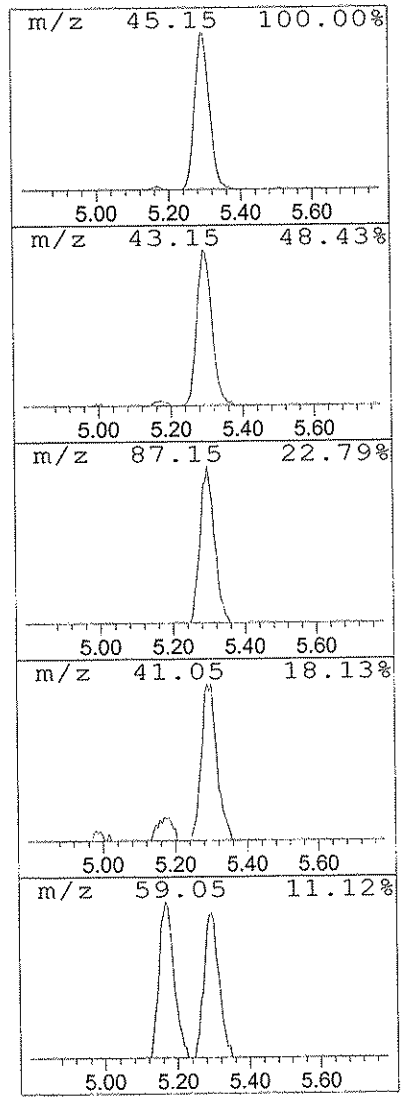
****

Peak Number 2 Diisopropyl ether Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.290	1.48 ug/L	138399	fluorobenzene	7.540

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	91
2	Diisopropyl ether	102	C6H14O	000108-20-3	78
3	Diisopropyl ether	102	C6H14O	000108-20-3	78
4	Diisopropyl ether	102	C6H14O	000108-20-3	64
5	Ether, sec-butyl isopropyl	116	C7H16O	018641-81-1	40





Data Path : D:\msdchem\1\data\b101107\
Data File : b101128.D
Acq On : 11 Oct 2007 10:28 pm
Operator : NLT
Sample : ,SAMP,ME0710258-07A,1,
Misc : 8260+_W25
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

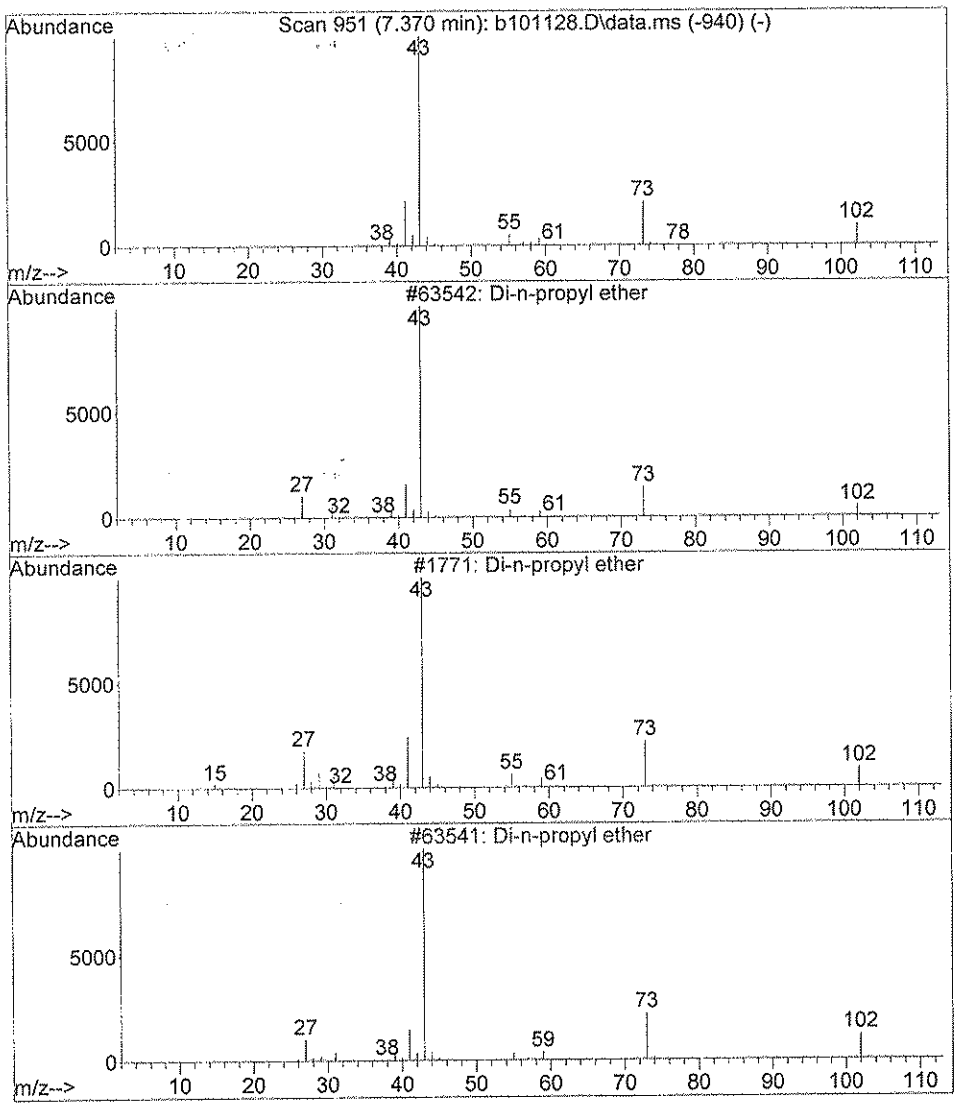
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

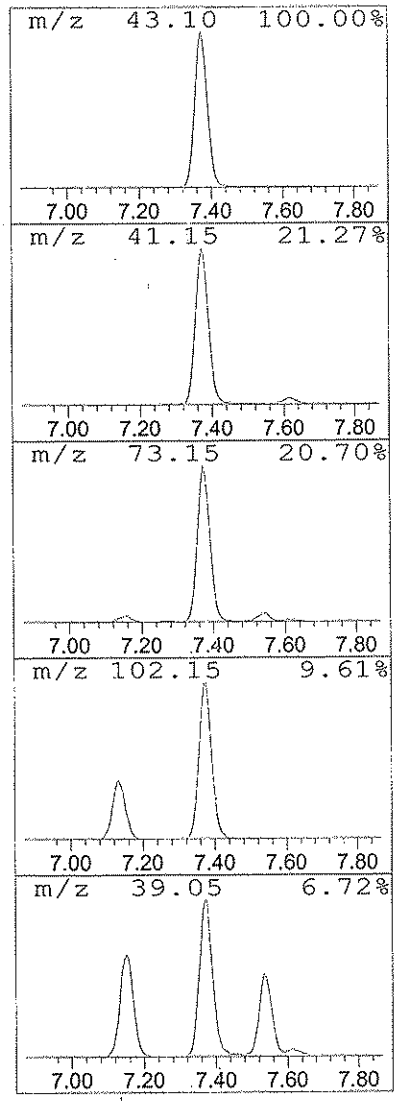
****

Peak Number 3 Di-n-propyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.370	10.01 ug/L	934764	fluorobenzene	7.540

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Di-n-propyl ether	102	C6H14O	000111-43-3	91
2	Di-n-propyl ether	102	C6H14O	000111-43-3	72
3	Di-n-propyl ether	102	C6H14O	000111-43-3	64
4	Propanoic acid, 2-methyl-, methy...	102	C5H10O2	000547-63-7	23
5	1-Propanamine, 2-methyl-	73	C4H11N	000078-81-9	7





Library Search Compound Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101128.D
Acq On : 11 Oct 2007 10:28 pm
Operator : NLT
Sample : ,SAMP,ME0710258-07A,1,
Misc : 8260+_W25
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

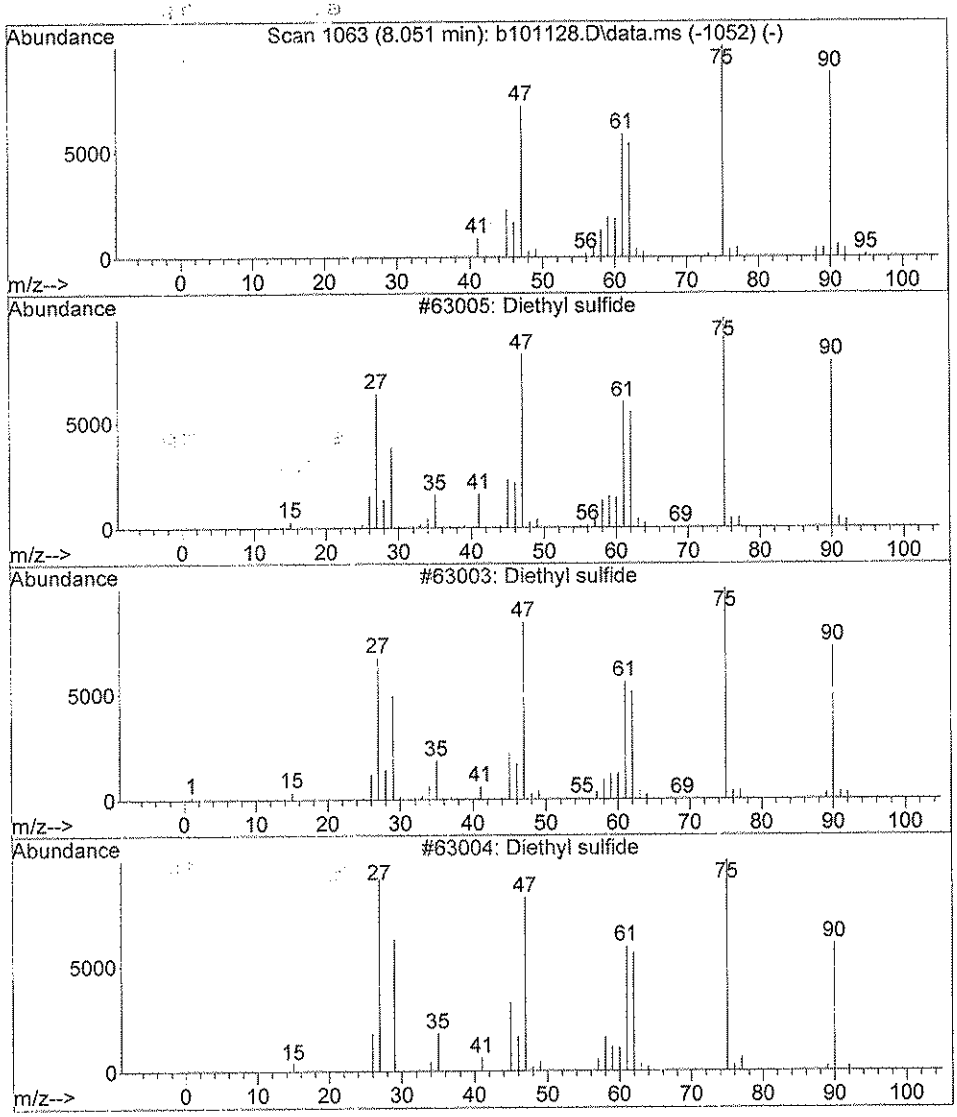
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

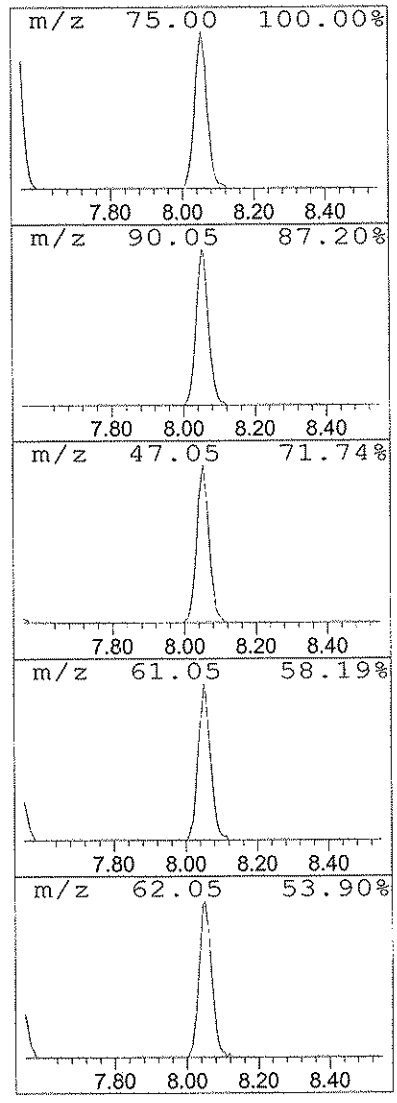
****

Peak Number 4 Diethyl sulfide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.051	1.55 ug/L	144343	fluorobenzene	7.540

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyl sulfide	90	C4H10S	000352-93-2	95
2	Diethyl sulfide	90	C4H10S	000352-93-2	94
3	Diethyl sulfide	90	C4H10S	000352-93-2	91
4	Diethyl sulfide	90	C4H10S	000352-93-2	90
5	Propane, 1-(methylthio)-	90	C4H10S	003877-15-4	38





Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101107\
Data File : b101129.D
Acq On : 11 Oct 2007 11:00 pm
Operator : NLT
Sample : ,SAMP,ME0710258-08A,1,
Misc : 8260+_W25
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Methane, dimeth...	3.843	1.8	ug/L	163726	1	7.541	912225	10.0
1,4-Dioxane	8.629	1.5	ug/L	136023	1	7.541	912225	10.0

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101129.D
Acq On : 11 Oct 2007 11:00 pm
Operator : NLT
Sample : ,SAMP,ME0710258-08A,1,
Misc : 8260+_W25
ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101129.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.922	50	55	64	rBV	58914	91081	8.11%	1.869%
2	3.843	364	371	389	rBV	72137	163726	14.58%	3.359%
3	6.683	827	838	861	rVB	112669	283673	25.25%	5.821%
4	7.133	896	912	925	rBV2	88261	226413	20.16%	4.646%
5	7.541	965	979	994	rBV	362426	912225	81.21%	18.717%
6	8.629	1151	1158	1191	rVB	41951	136023	12.11%	2.791%
7	9.803	1339	1351	1364	rBV	448873	1123297	100.00%	23.048%
8	12.108	1718	1730	1748	rVB	325059	830850	73.97%	17.048%
9	14.103	2046	2058	2070	rVB	222125	539328	48.01%	11.066%
10	15.872	2340	2349	2361	rBV	274316	567067	50.48%	11.635%

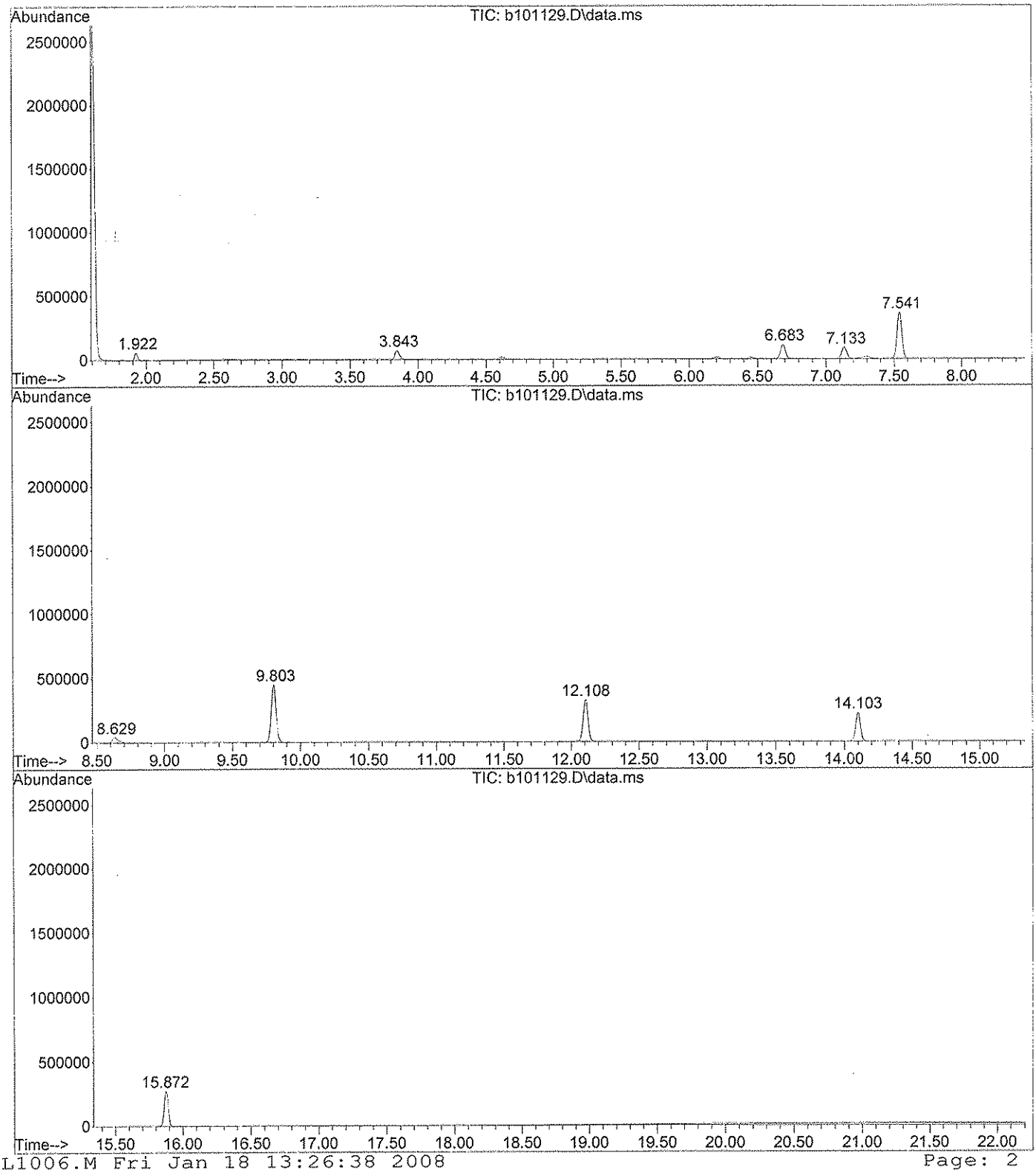
Sum of corrected areas: 4873683

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101107\
Data File : b101129.D
Acq On : 11 Oct 2007 11:00 pm
Operator : NLT
Sample : ,SAMP,ME0710258-08A,1,
Misc : 8260+_W25
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101129.D
Acq On : 11 Oct 2007 11:00 pm
Operator : NLT
Sample : ,SAMP,ME0710258-08A,1,
Misc : 8260+_W25
ALS Vial : 10 Sample Multiplier: 1

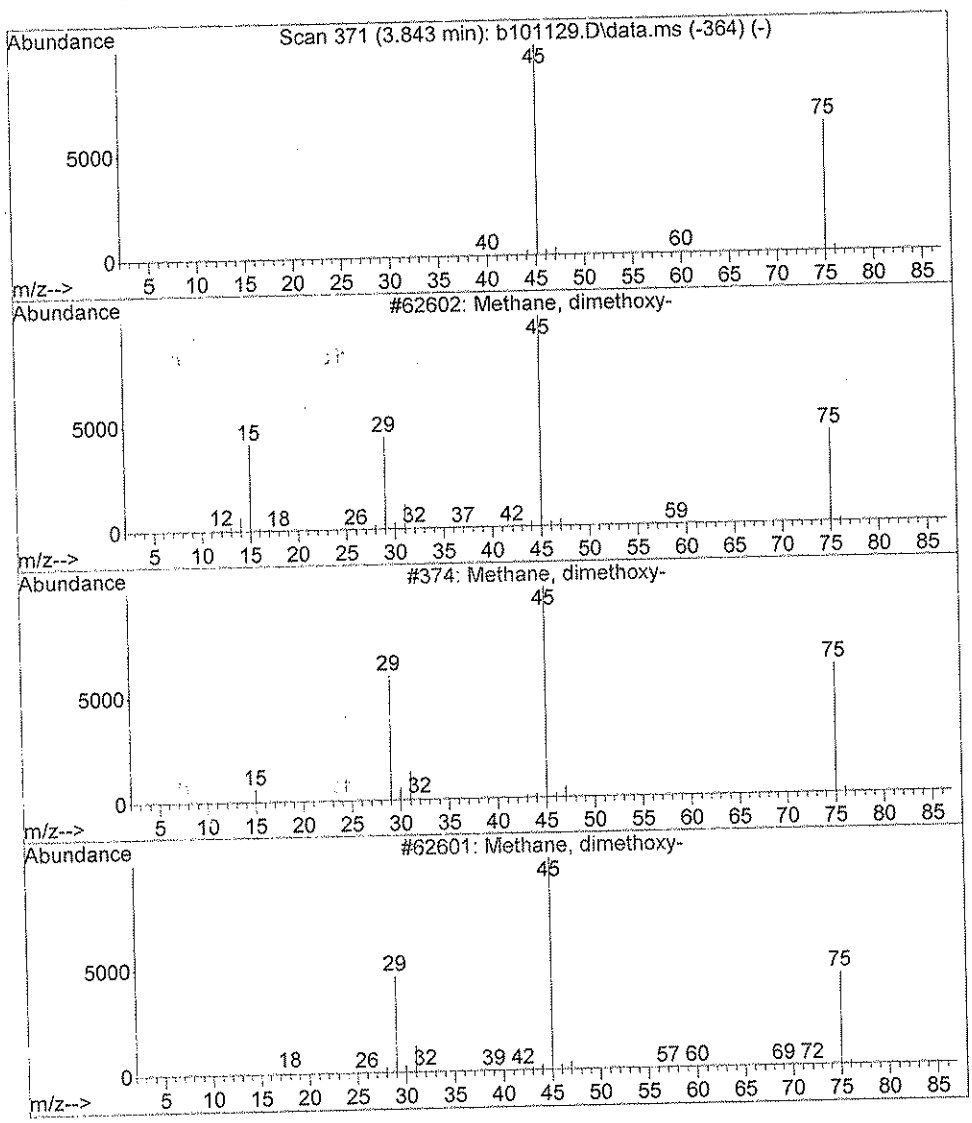
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

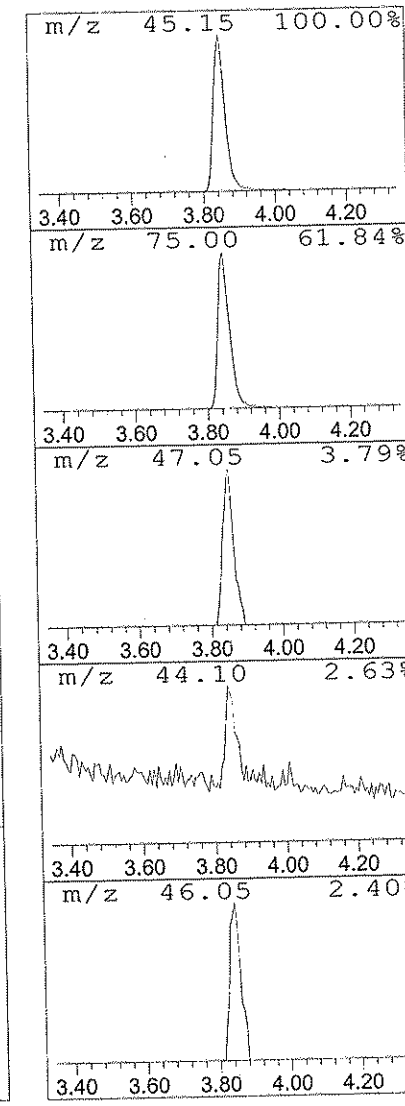
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

****
Peak Number 1 Methane, dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.843	1.79 ug/L	163726	fluorobenzene	7.541

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, dimethoxy-	76	C3H8O2	000109-87-5	83
2	Methane, dimethoxy-	76	C3H8O2	000109-87-5	83
3	Methane, dimethoxy-	76	C3H8O2	000109-87-5	64
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	9
5	Isopropyl Alcohol	60	C3H8O	000067-63-0	7





Library Search Compound Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101129.D
Acq On : 11 Oct 2007 11:00 pm
Operator : NLT
Sample : ,SAMP,ME0710258-08A,1,
Misc : 8260+_W25
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

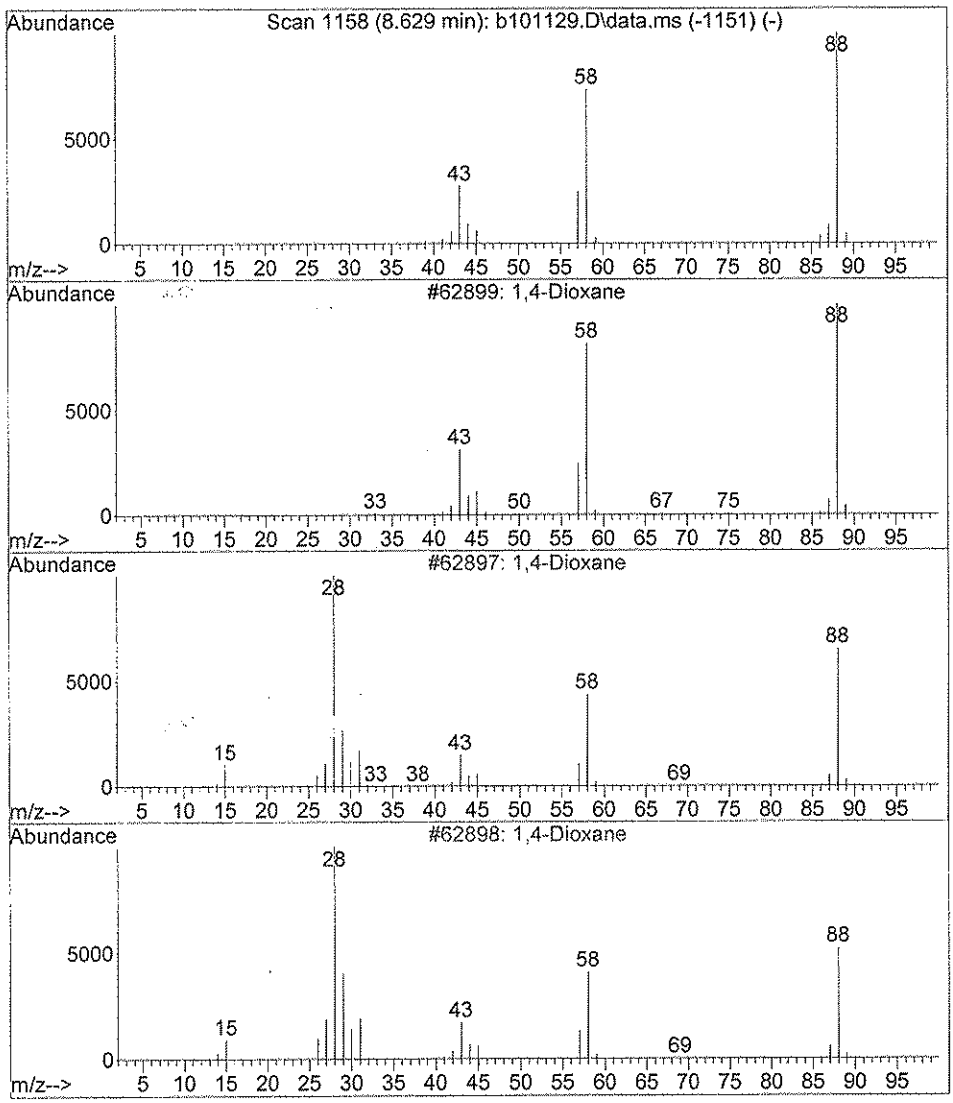
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

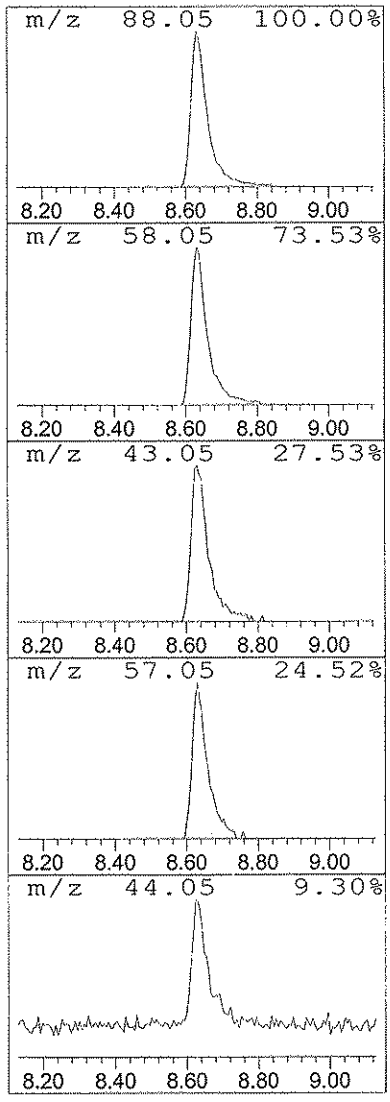
****

Peak Number 2 1,4-Dioxane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.629	1.49 ug/L	136023	fluorobenzene	7.541

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dioxane	88	C4H8O2	000123-91-1	91
2	1,4-Dioxane	88	C4H8O2	000123-91-1	90
3	1,4-Dioxane	88	C4H8O2	000123-91-1	83
4	1,4-Dioxane	88	C4H8O2	000123-91-1	83
5	1-Propanamine, N-ethyl-	87	C5H13N	020193-20-8	38





Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101107\\
Data File : b101130.D
Acq On : 11 Oct 2007 11:32 pmm
Operator : NLTT
Sample : ,SAMP,ME0710258-09A,1,,
Misc : 8260+_W255
ALS Vial : 11 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101130.D
Acq On : 11 Oct 2007 11:32 pm
Operator : NLT
Sample : ,SAMP,ME0710258-09A,1,
Misc : 8260+_W25
ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101130.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.830	34	40	51	rVB	34549	68583	6.24%	1.265%
2	2.761	184	193	213	rVB	437456	978626	89.06%	18.048%
3	6.689	828	839	852	rBV	107319	271193	24.68%	5.001%
4	7.133	898	912	927	rBV	85171	212178	19.31%	3.913%
5	7.541	966	979	995	rBV	354251	884405	80.48%	16.311%
6	9.803	1339	1351	1363	rBV	431112	1098877	100.00%	20.266%
7	12.102	1717	1729	1747	rVB	324992	817240	74.37%	15.072%
8	14.102	2043	2058	2071	rBV	220788	533740	48.57%	9.843%
9	15.878	2340	2350	2363	rVB	263842	557425	50.73%	10.280%

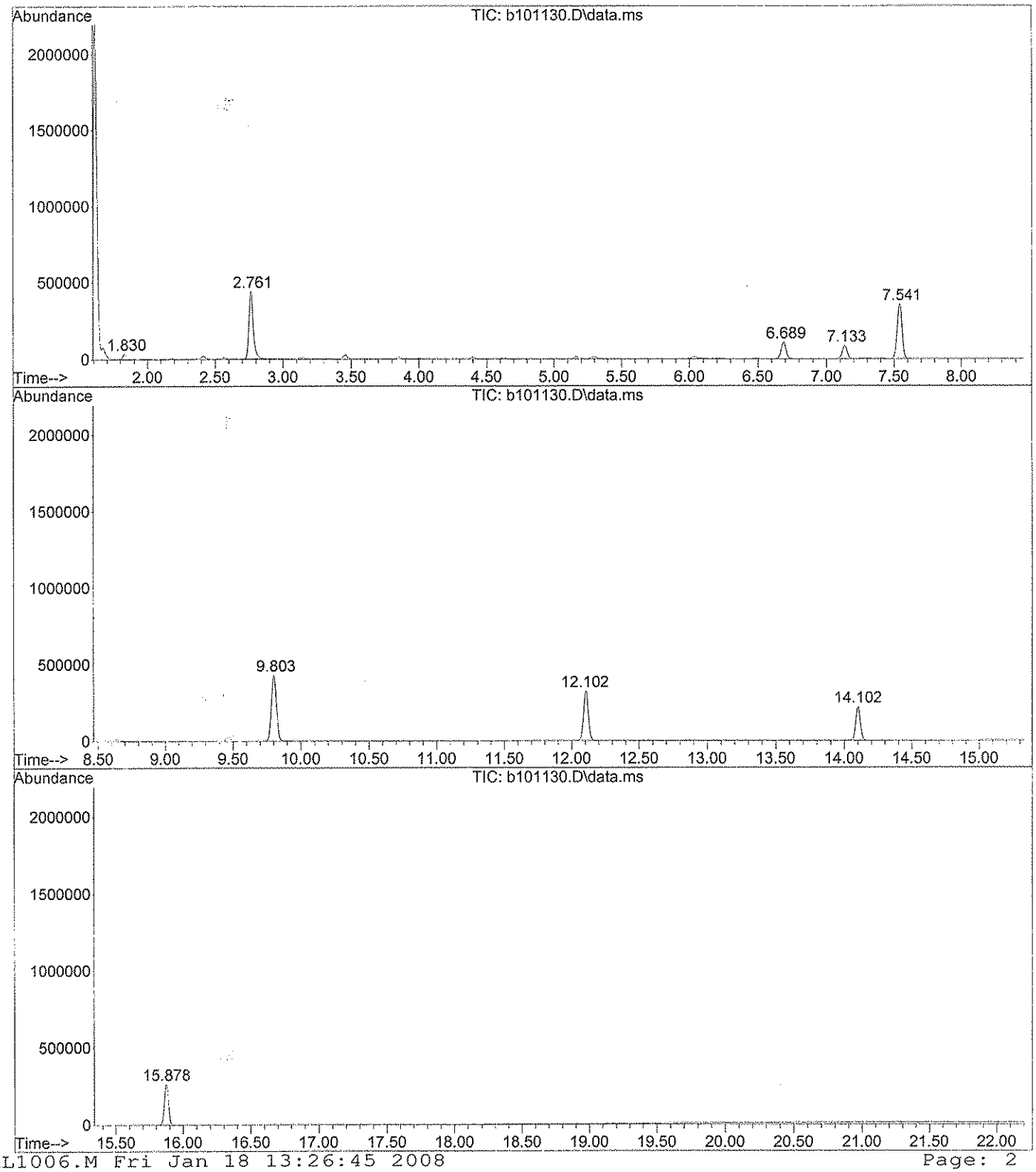
Sum of corrected areas: 5422267

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101107\
Data File : b101130.D
Acq On : 11 Oct 2007 11:32 pm
Operator : NLT
Sample : ,SAMP,ME0710258-09A,1,
Misc : 8260+ W25
ALS Vial : 11 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101107\
Data File : b101131.D
Acq On : 12 Oct 2007 12:04 am
Operator : NLT
Sample : ,SAMP,ME0710258-10A,1,
Misc : 8260+_W25
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Ethane, 1,1-dif...	1.922	1.7	ug/L	153284	1	7.541	910683	10.0
Methane, dimeth...	3.837	4.0	ug/L	360835	1	7.541	910683	10.0
Furan, tetrahydro-	6.398	37.1	ug/L	3383170	1	7.541	910683	10.0
Amylene Hydrate	7.243	2.6	ug/L	235748	1	7.541	910683	10.0
1,4-Dioxane	8.623	2.2	ug/L	204673	1	7.541	910683	10.0

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101131.D
Acq On : 12 Oct 2007 12:04 am
Operator : NLT
Sample : ,SAMP,ME0710258-10A,1,
Misc : 8260+_W25
ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101131.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.922	50	55	64	rBV	93141	153284	4.53%	1.662%
2	3.837	361	370	392	rBV	156257	360835	10.67%	3.912%
3	6.033	720	731	749	rBV	76574	194140	5.74%	2.105%
4	6.398	780	791	829	rBV	1258635	3383165	100.00%	36.681%
5	6.683	829	838	852	rVB	116651	292179	8.64%	3.168%
6	7.139	901	913	923	rBV3	137293	404900	11.97%	4.390%
7	7.243	923	930	949	rVB3	68939	235748	6.97%	2.556%
8	7.541	968	979	991	rBV	361036	910683	26.92%	9.874%
9	8.623	1150	1157	1186	rVB2	67991	204673	6.05%	2.219%
10	9.803	1340	1351	1365	rBV	444286	1117896	33.04%	12.120%
11	12.102	1717	1729	1748	rBV	327860	828652	24.49%	8.984%
12	14.103	2045	2058	2074	rVB	226334	543700	16.07%	5.895%
13	15.878	2339	2350	2361	rBV	289261	593415	17.54%	6.434%

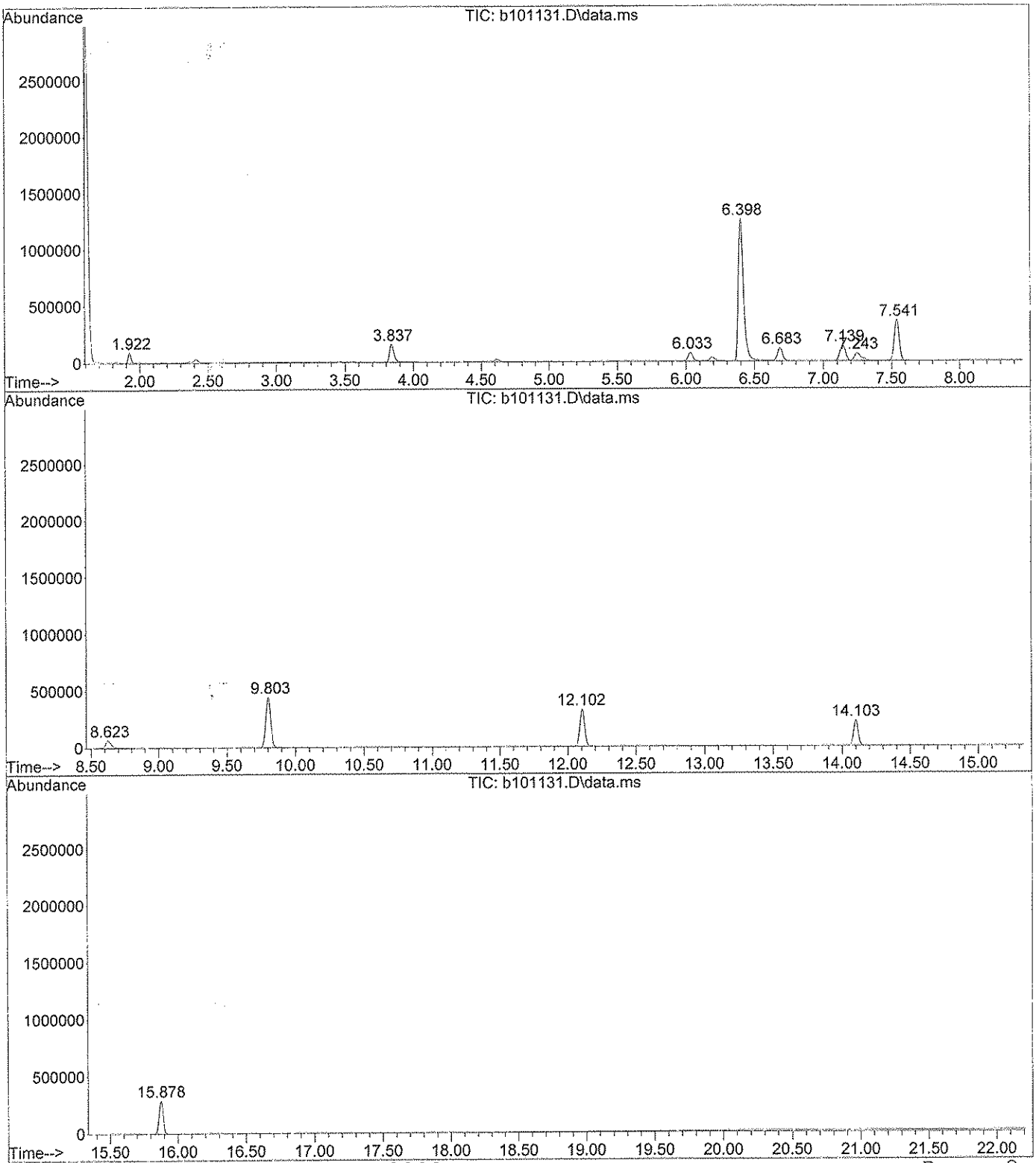
Sum of corrected areas: 9223270

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101107\
Data File : b101131.D
Acq On : 12 Oct 2007 12:04 am
Operator : NLT
Sample : ,SAMP,ME0710258-10A,1,
Misc : 8260+_W25
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101131.D
Acq On : 12 Oct 2007 12:04 am
Operator : NLT
Sample : ,SAMP,ME0710258-10A,1,
Misc : 8260+_W25
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

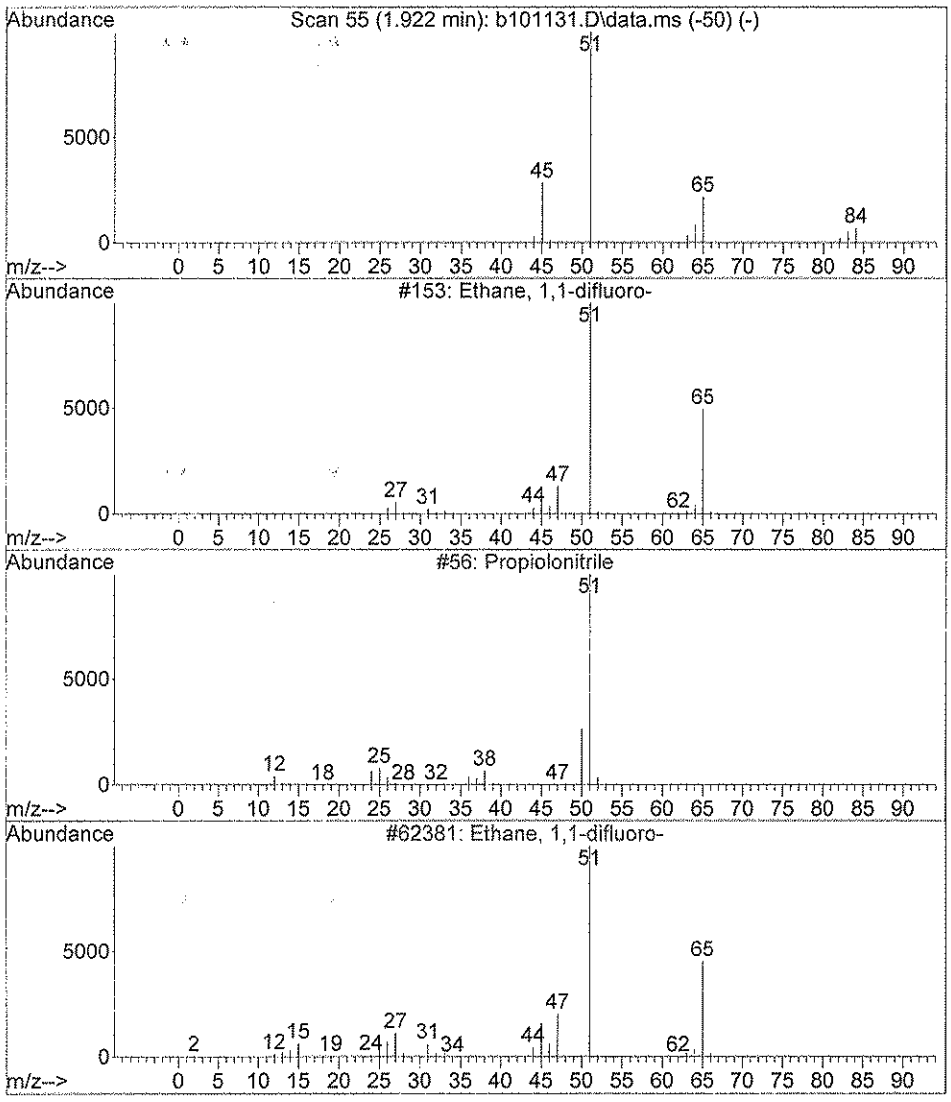
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

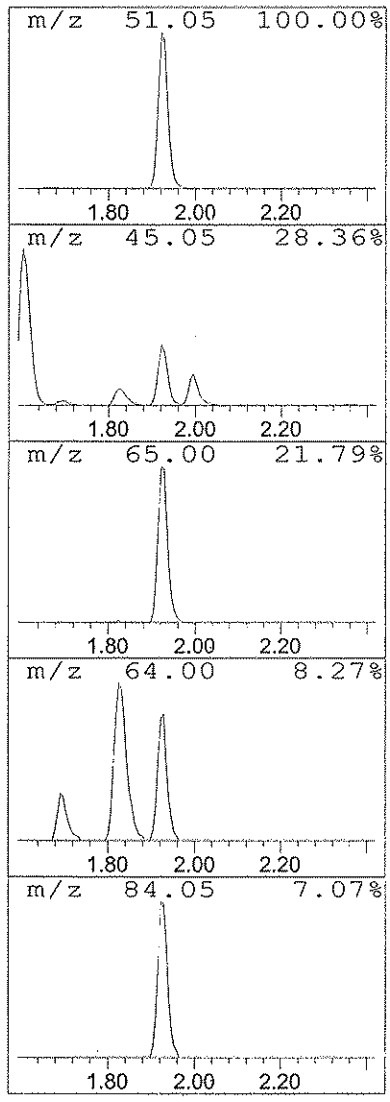
****

Peak Number 1 Ethane, 1,1-difluoro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.922	1.68 ug/L	153284	fluorobenzene	7.541

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1-difluoro-	66	C2H4F2	000075-37-6	4
2	Propiolonitrile	51	C3HN	001070-71-9	3
3	Ethane, 1,1-difluoro-	66	C2H4F2	000075-37-6	1
4	Difluoromethyl trifluoromethanes...	200	C2HF5O3S	001885-46-7	1
5	Methane, chlorodifluoro-	86	CHClF2	000075-45-6	1





Data Path : D:\msdchem\1\data\b101107\
Data File : b101131.D
Acq On : 12 Oct 2007 12:04 am
Operator : NLT
Sample : ,SAMP,ME0710258-10A,1,
Misc : 8260+_W25
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

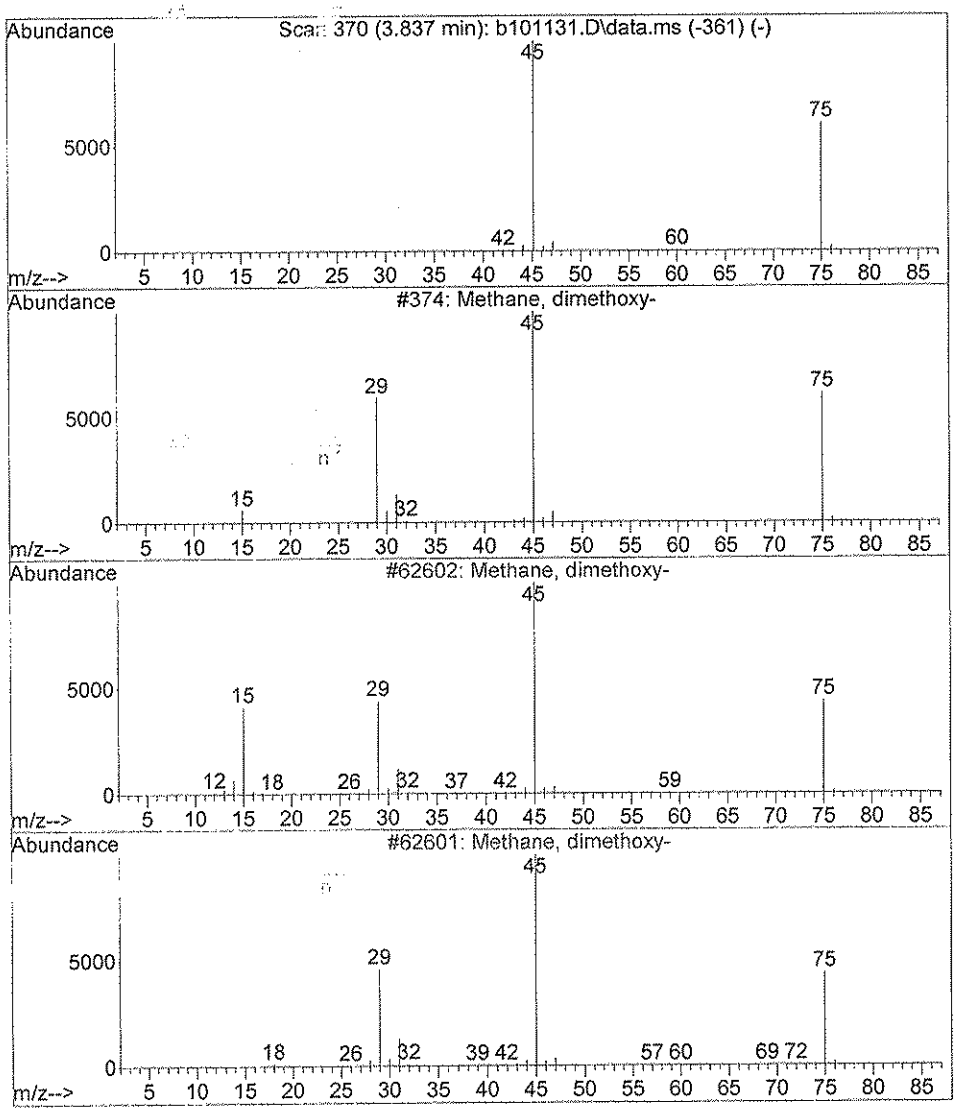
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

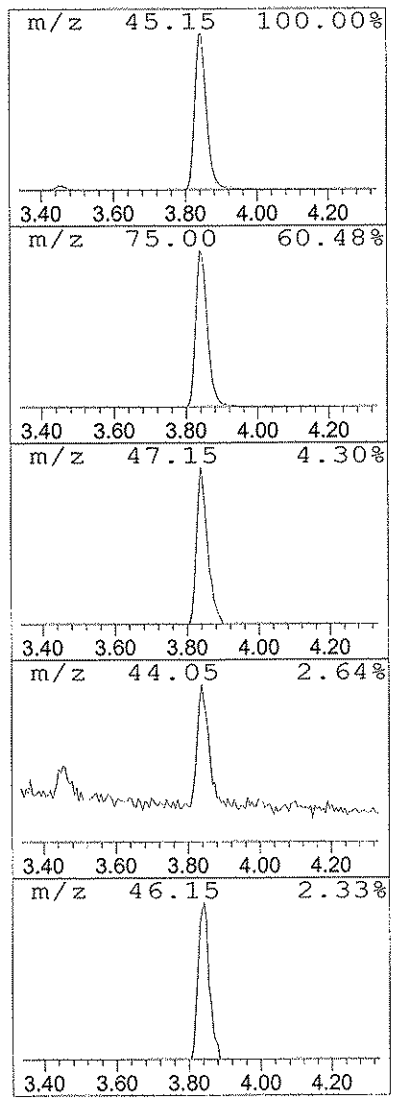
****

Peak Number 2 Methane, dimethoxy- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.837	3.96 ug/L	360835	fluorobenzene	7.541

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, dimethoxy-	76	C3H8O2	000109-87-5	83
2	Methane, dimethoxy-	76	C3H8O2	000109-87-5	83
3	Methane, dimethoxy-	76	C3H8O2	000109-87-5	64
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	7
5	Ethanol, 2-methoxy-	76	C3H8O2	000109-86-4	5





Library Search Compound Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101131.D
Acq On : 12 Oct 2007 12:04 am
Operator : NLT
Sample : ,SAMP,ME0710258-10A,1,
Misc : 8260+_W25
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

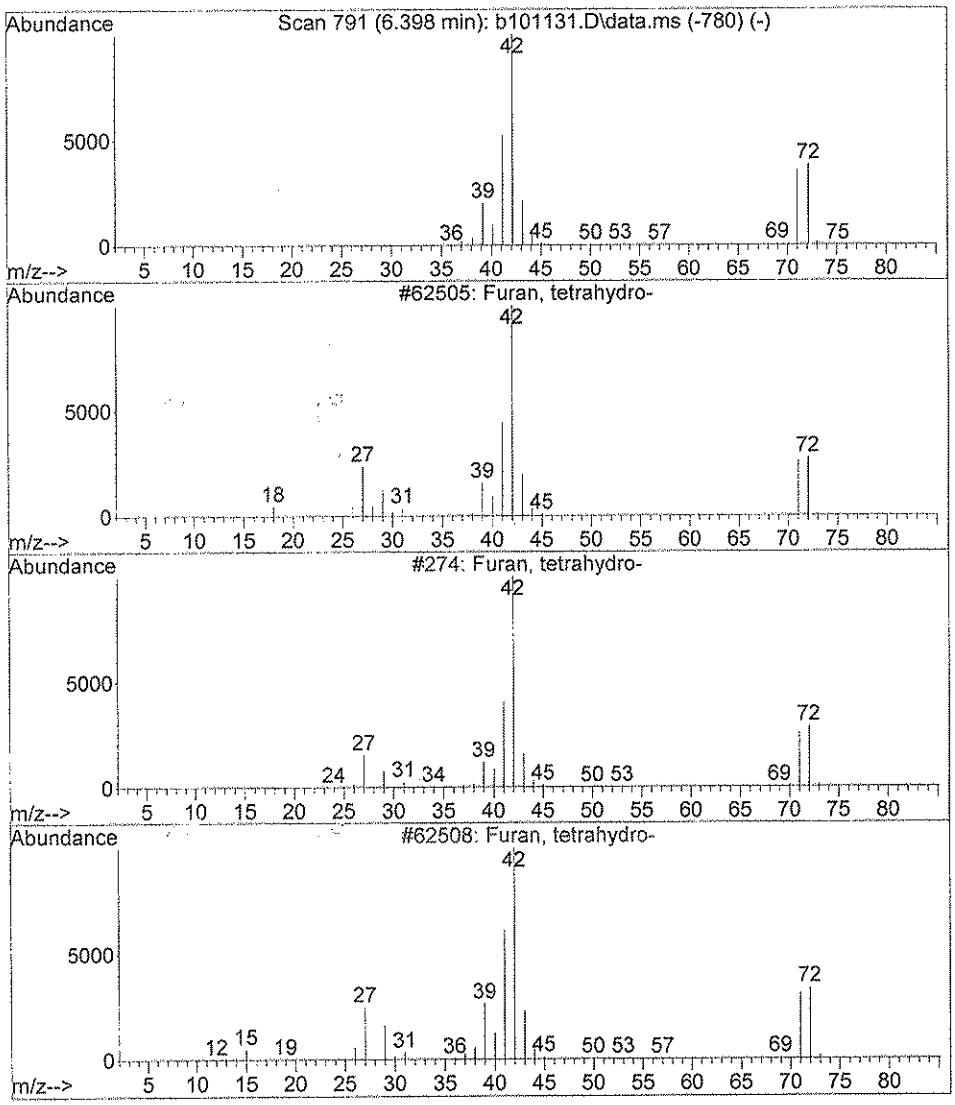
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

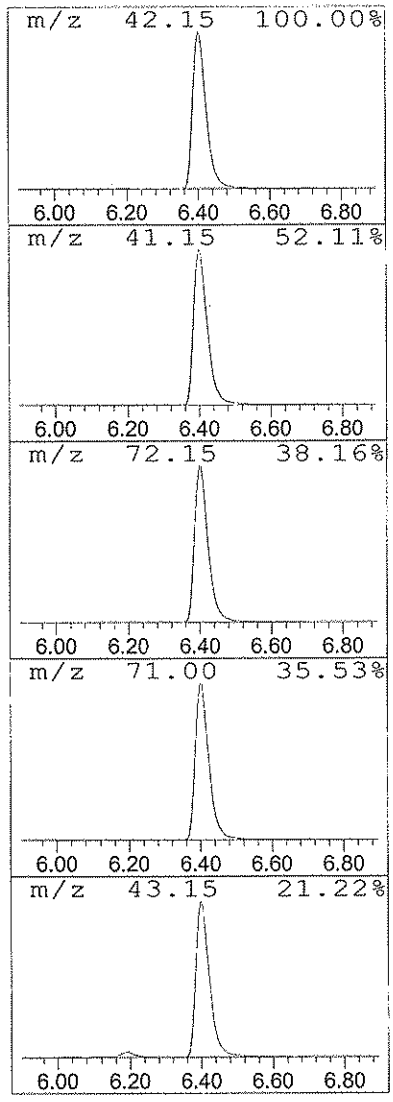
****

Peak Number 3 Furan, tetrahydro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.398	37.15 ug/L	3383170	fluorobenzene	7.541

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-	72	C4H8O	000109-99-9	91
2	Furan, tetrahydro-	72	C4H8O	000109-99-9	90
3	Furan, tetrahydro-	72	C4H8O	000109-99-9	90
4	Furan, tetrahydro-	72	C4H8O	000109-99-9	90
5	Furan, tetrahydro-	72	C4H8O	000109-99-9	78





Library Search Compound Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101131.D
Acq On : 12 Oct 2007 12:04 am
Operator : NLT
Sample : ,SAMP,ME0710258-10A,1,
Misc : 8260+_W25
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

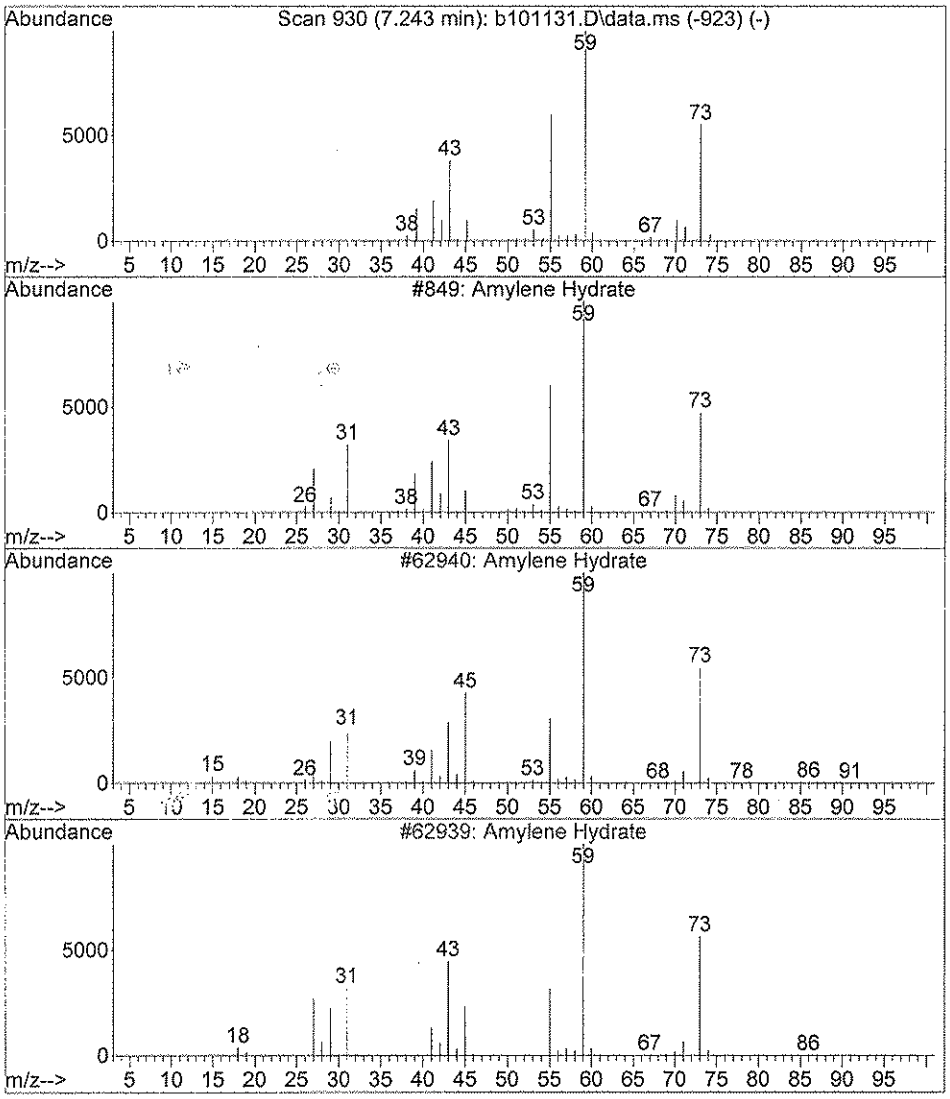
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

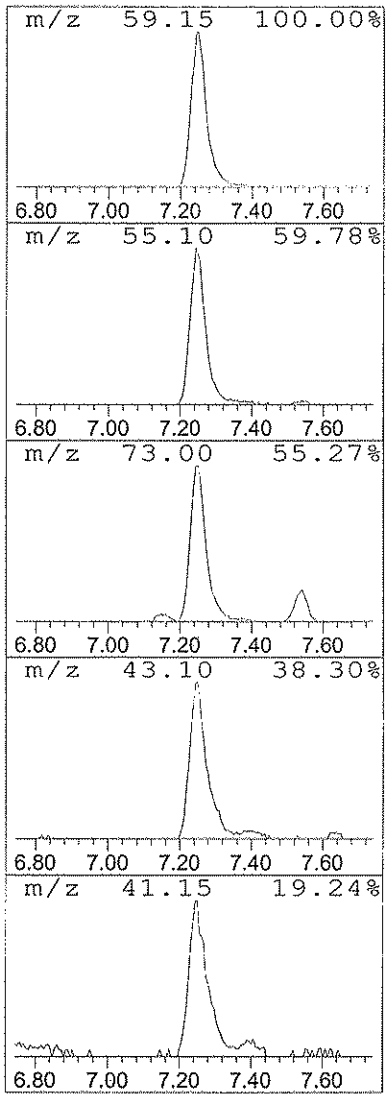
****

Peak Number 4 Amylene Hydrate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.243	2.59 ug/L	235748	fluorobenzene	7.541

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene Hydrate	88	C5H12O	000075-85-4	83
2	Amylene Hydrate	88	C5H12O	000075-85-4	53
3	Amylene Hydrate	88	C5H12O	000075-85-4	50
4	Amylene Hydrate	88	C5H12O	000075-85-4	50
5	3-Hexanol	102	C6H14O	000623-37-0	38





Data Path : D:\msdchem\1\data\b101107\
Data File : b101131.D
Acq On : 12 Oct 2007 12:04 am
Operator : NLT
Sample : ,SAMP,ME0710258-10A,1,
Misc : 8260+_W25
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

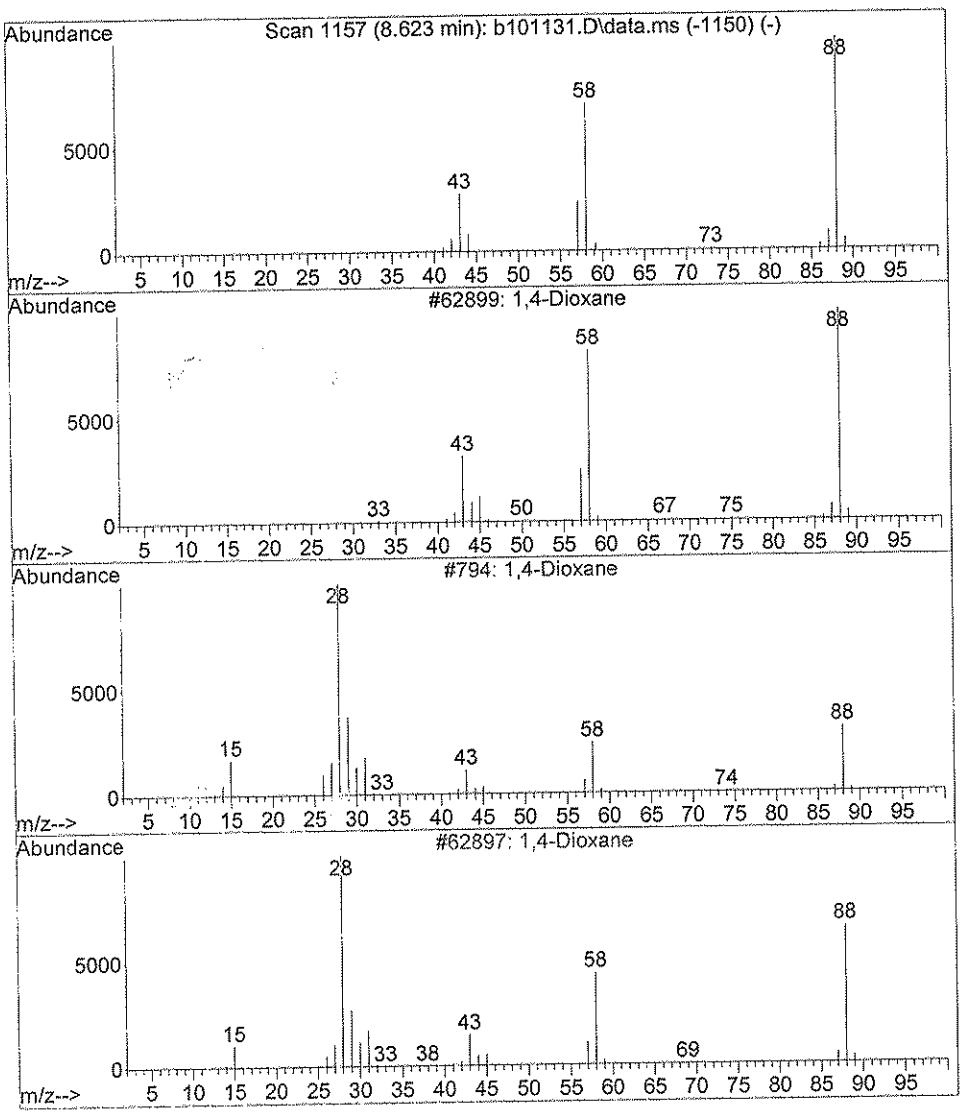
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

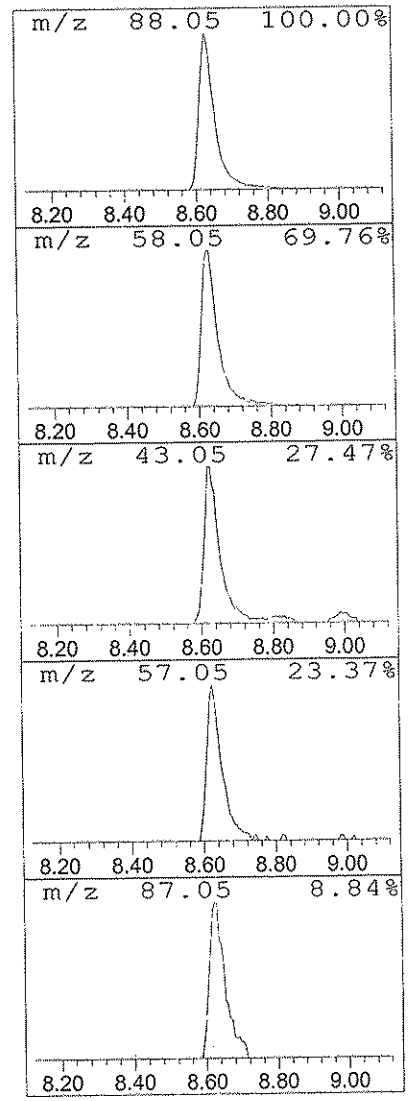
****

Peak Number 5 1,4-Dioxane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.623	2.25 ug/L	204673	fluorobenzene	7.541

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dioxane	88	C4H8O2	000123-91-1	91
2	1,4-Dioxane	88	C4H8O2	000123-91-1	90
3	1,4-Dioxane	88	C4H8O2	000123-91-1	86
4	1,4-Dioxane	88	C4H8O2	000123-91-1	83
5	1-Propanamine, N-ethyl-	87	C5H13N	020193-20-8	27





Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101107\
Data File : b101132.D
Acq On : 12 Oct 2007 12:36 am
Operator : NLT
Sample : ,SAMP,ME0710258-11A,1,
Misc : 8260+_W25
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ether	3.417	298.7	ug/L	28591400	1	7.540	957259	10.0

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101132.D
Acq On : 12 Oct 2007 12:36 am
Operator : NLT
Sample : ,SAMP,ME0710258-11A,1,
Misc : 8260+_W25
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101132.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.417	292	301	306	rBV3	10012409	28591404	100.00%	90.467%
2	7.534	965	978	992	rBV	381101	957259	3.35%	3.029%
3	9.803	1337	1351	1363	rBV	471644	1184714	4.14%	3.749%
4	12.102	1717	1729	1748	rVB	352587	870869	3.05%	2.756%

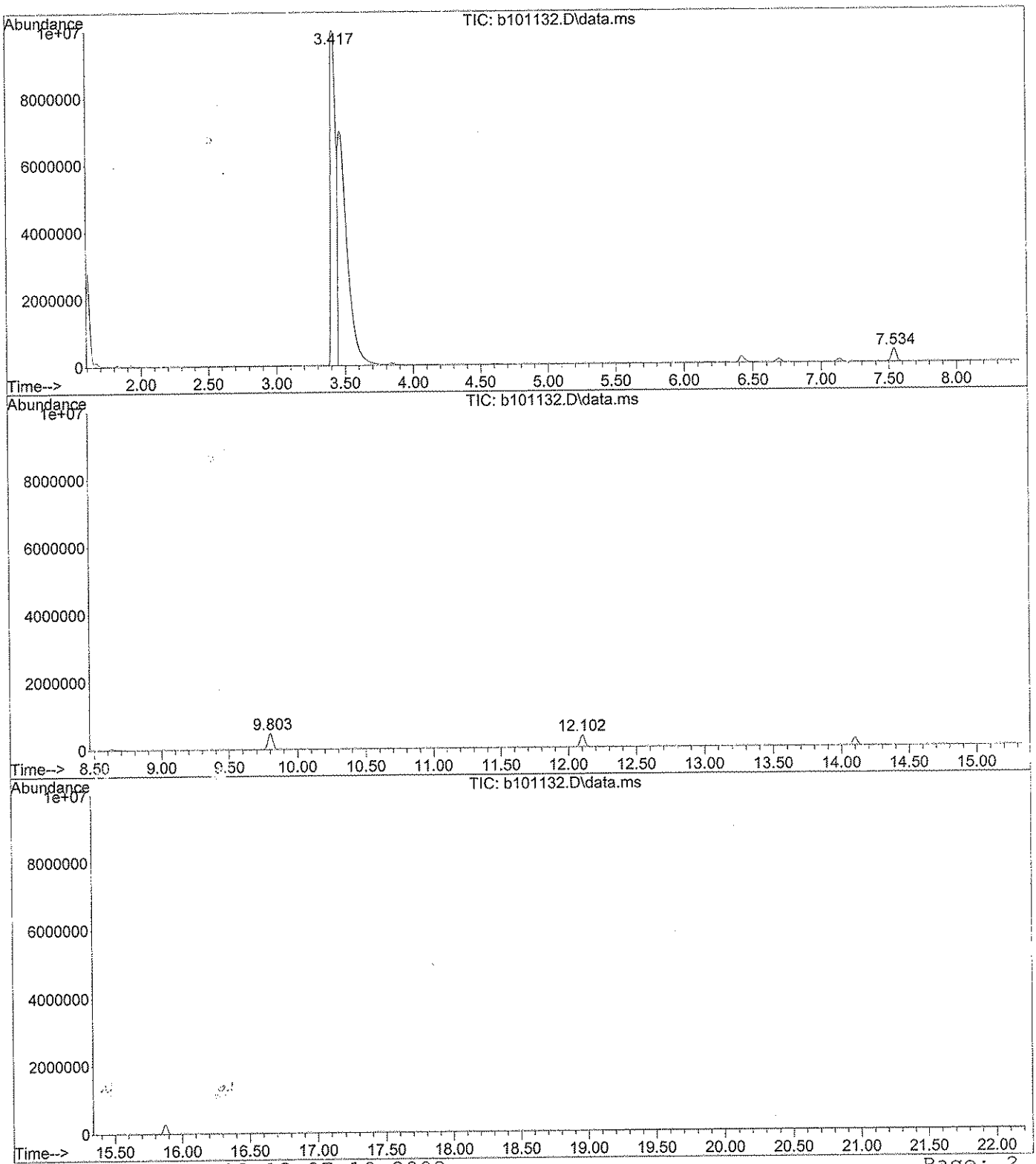
Sum of corrected areas: 31604246

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101107\
Data File : b101132.D
Acq On : 12 Oct 2007 12:36 am
Operator : NLT
Sample : ,SAMP,ME0710258-11A,1,
Misc : 8260+_W25
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101132.D
Acq On : 12 Oct 2007 12:36 am
Operator : NLT
Sample : ,SAMP,ME0710258-11A,1,
Misc : 8260+_W25
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

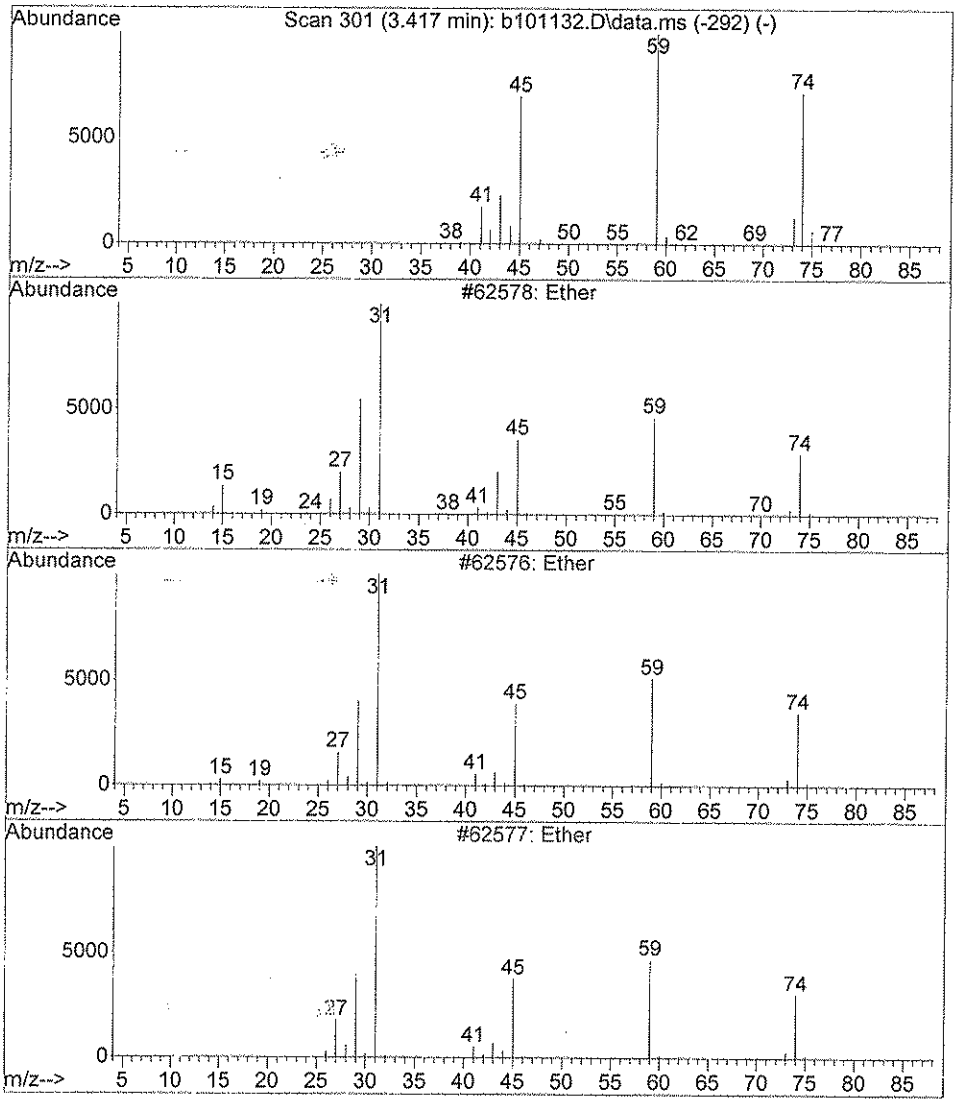
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

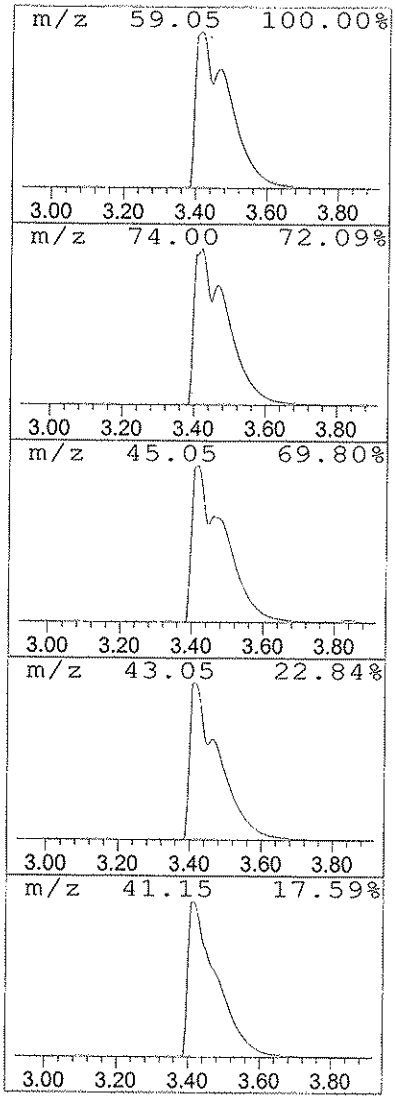
****

Peak Number 1 Ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.417	298.68 ug/L	28591400	fluorobenzene	7.540

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ether	74	C4H10O	000060-29-7	86
2	Ether	74	C4H10O	000060-29-7	86
3	Ether	74	C4H10O	000060-29-7	78
4	Ether	74	C4H10O	000060-29-7	50
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	43





Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101107\
Data File : b101133.D
Acq On : 12 Oct 2007 1:08 am
Operator : NLT
Sample : ,SAMP,ME0710258-12A,1,
Misc : 8260+_W25
ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ether	3.414	297.3	ug/L	28482000	1	7.537	958137	10.0

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101133.D
Acq On : 12 Oct 2007 1:08 am
Operator : NLT
Sample : ,SAMP,ME0710258-12A,1,
Misc : 8260+_W25
ALS Vial : 14 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 3 % of largest Peak
Max Peaks: 100
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101133.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.414	292	300	306	rBV2	9999207	28481981	100.00%	90.427%
2	7.537	968	978	991	rBV	387071	958137	3.36%	3.042%
3	9.799	1339	1350	1362	rBV	475679	1180662	4.15%	3.748%
4	12.104	1716	1729	1750	rVB	354235	876357	3.08%	2.782%

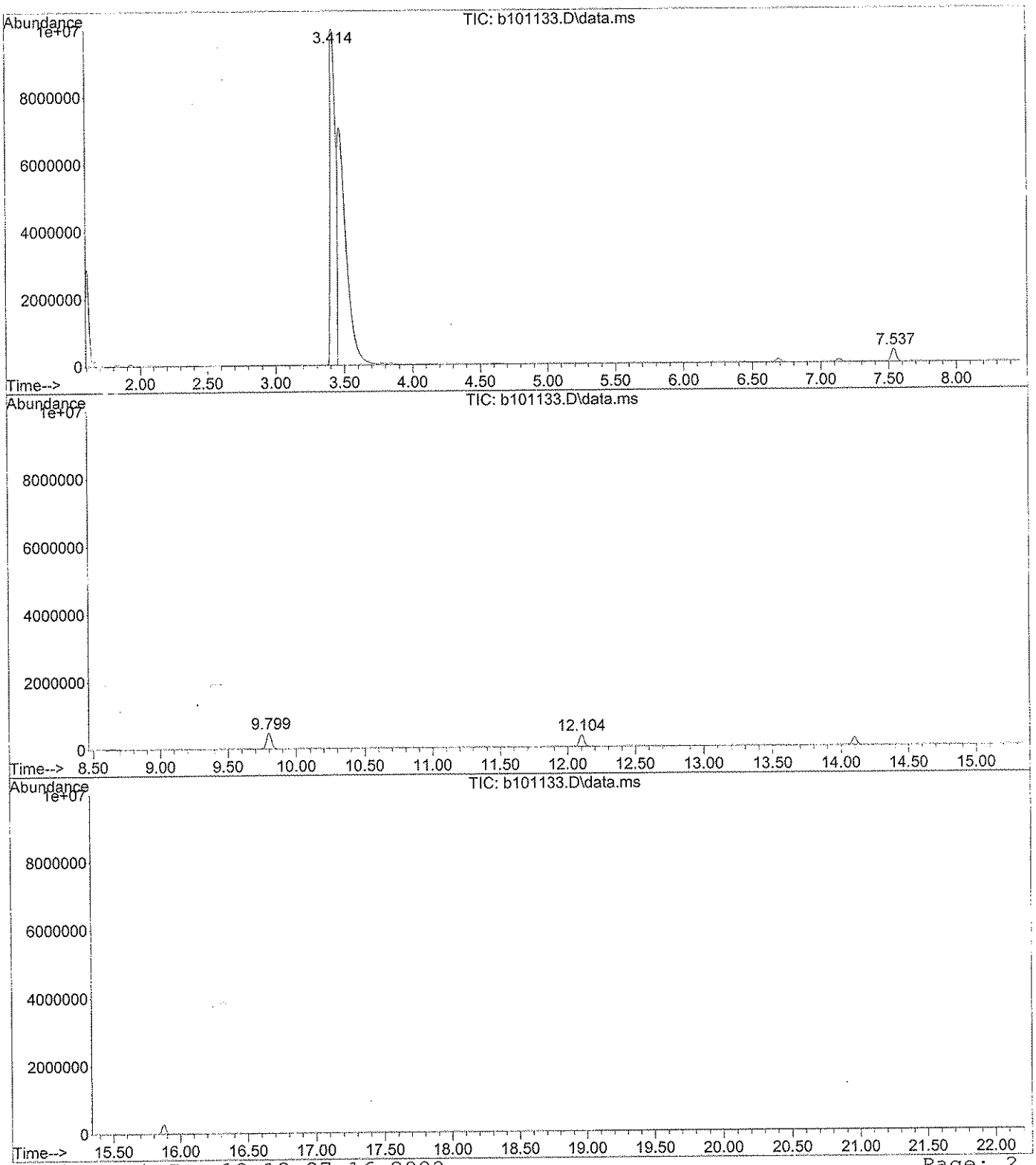
Sum of corrected areas: 31497137

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101107\
Data File : b101133.D
Acq On : 12 Oct 2007 1:08 am
Operator : NLT
Sample : ,SAMP,ME0710258-12A,1,
Misc : 8260+_W25
ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101133.D
Acq On : 12 Oct 2007 1:08 am
Operator : NLT
Sample : ,SAMP,ME0710258-12A,1,
Misc : 8260+_W25
ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

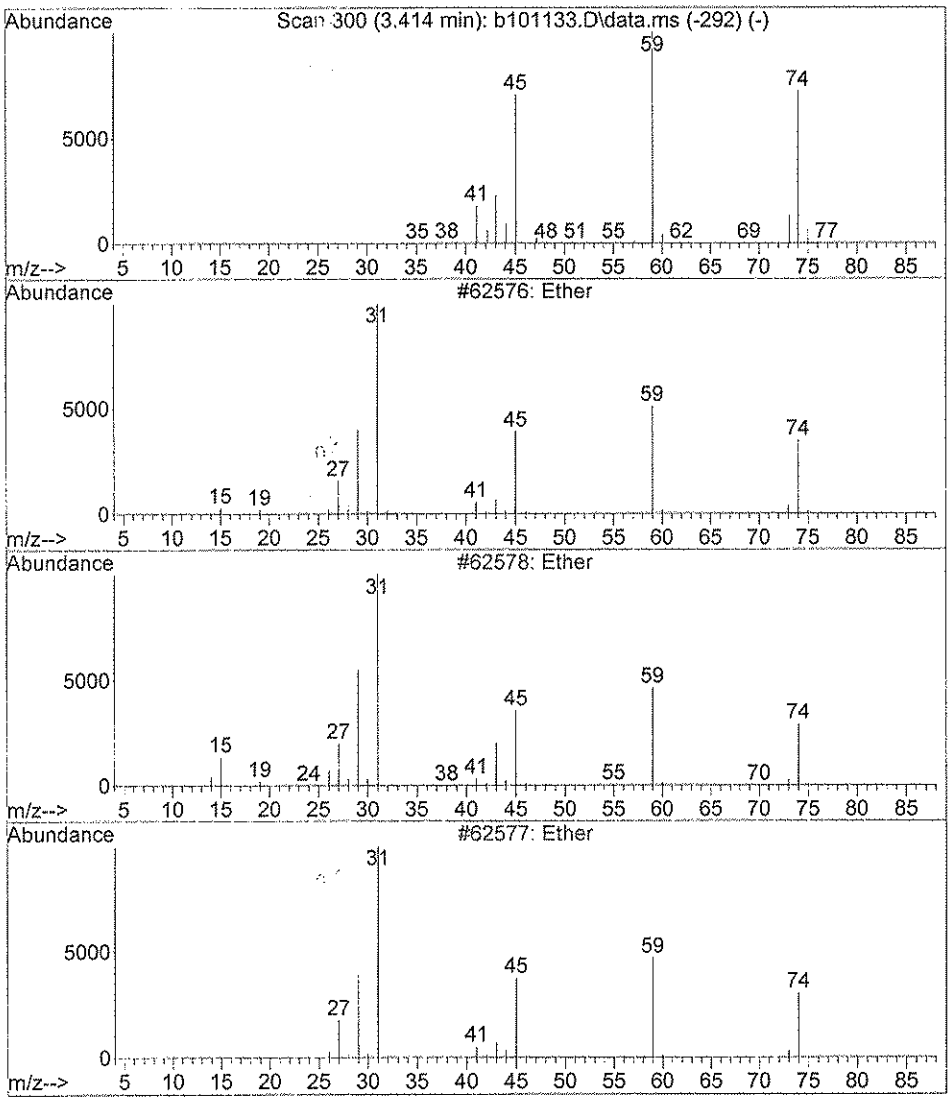
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

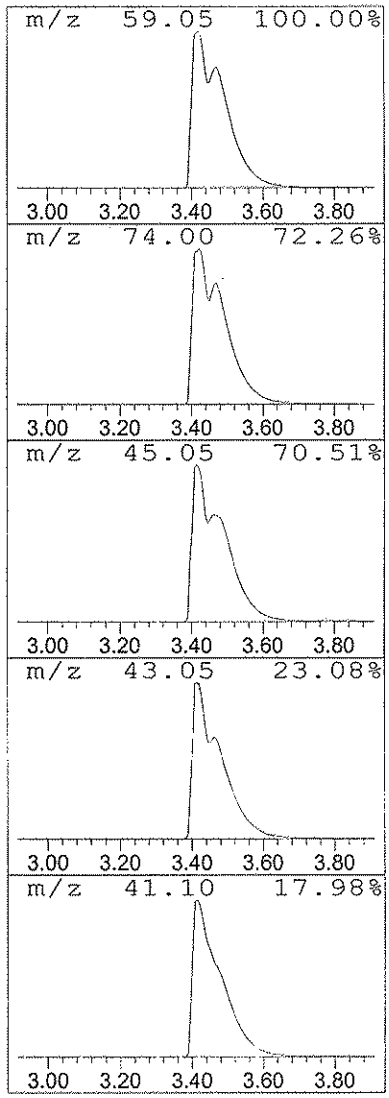
****

Peak Number 1 Ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.414	297.26 ug/L	28482000	fluorobenzene	7.537

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ether	74	C4H10O	000060-29-7	86
2	Ether	74	C4H10O	000060-29-7	86
3	Ether	74	C4H10O	000060-29-7	78
4	Ether	74	C4H10O	000060-29-7	50
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	43





Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101107\
Data File : b101134.D
Acq On : 12 Oct 2007 1:40 am
Operator : NLT
Sample : ,SAMP,ME0710258-13A,1,
Misc : 8260+_W25
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Ether	3.450	3.8	ug/L	347439	1	7.536	905101	10.0
Methane, dimeth...	3.845	2.7	ug/L	242434	1	7.536	905101	10.0
2-Propanol, 2-m...	4.611	1.4	ug/L	123809	1	7.536	905101	10.0
1,3-Dioxolane	6.186	1.7	ug/L	151973	1	7.536	905101	10.0
Furan, tetrahydro-	6.417	7.7	ug/L	693225	1	7.536	905101	10.0
1,3-Dioxolane, ...	7.287	1.3	ug/L	116047	1	7.536	905101	10.0
1,4-Dioxane	8.619	3.2	ug/L	293916	1	7.536	905101	10.0

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101134.D
Acq On : 12 Oct 2007 1:40 am
Operator : NLT
Sample : ,SAMP,ME0710258-13A,1,
Misc : 8260+_W25
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101134.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.450	298	306	318	rBV	169597	347439	31.10%	4.913%
2	3.845	364	371	390	rBV	105631	242434	21.70%	3.428%
3	4.611	487	497	518	rBV	40638	123809	11.08%	1.751%
4	6.186	749	756	782	rBV	55395	151973	13.60%	2.149%
5	6.417	784	794	825	rBV	246810	693225	62.04%	9.803%
6	6.685	829	838	847	rBV	111252	274603	24.58%	3.883%
7	7.147	901	914	925	rBV3	301902	862462	77.19%	12.196%
8	7.287	925	937	953	rVB5	28569	116047	10.39%	1.641%
9	7.536	967	978	991	rBV	359805	905101	81.00%	12.799%
10	8.619	1140	1156	1197	rBV	92961	293916	26.30%	4.156%
11	9.805	1338	1351	1378	rBV	438286	1117346	100.00%	15.801%
12	12.103	1715	1729	1746	rVB	325267	825745	73.90%	11.677%
13	14.098	2046	2057	2073	rVB	220484	536688	48.03%	7.590%
14	15.874	2340	2349	2361	rVB	285213	580631	51.97%	8.211%

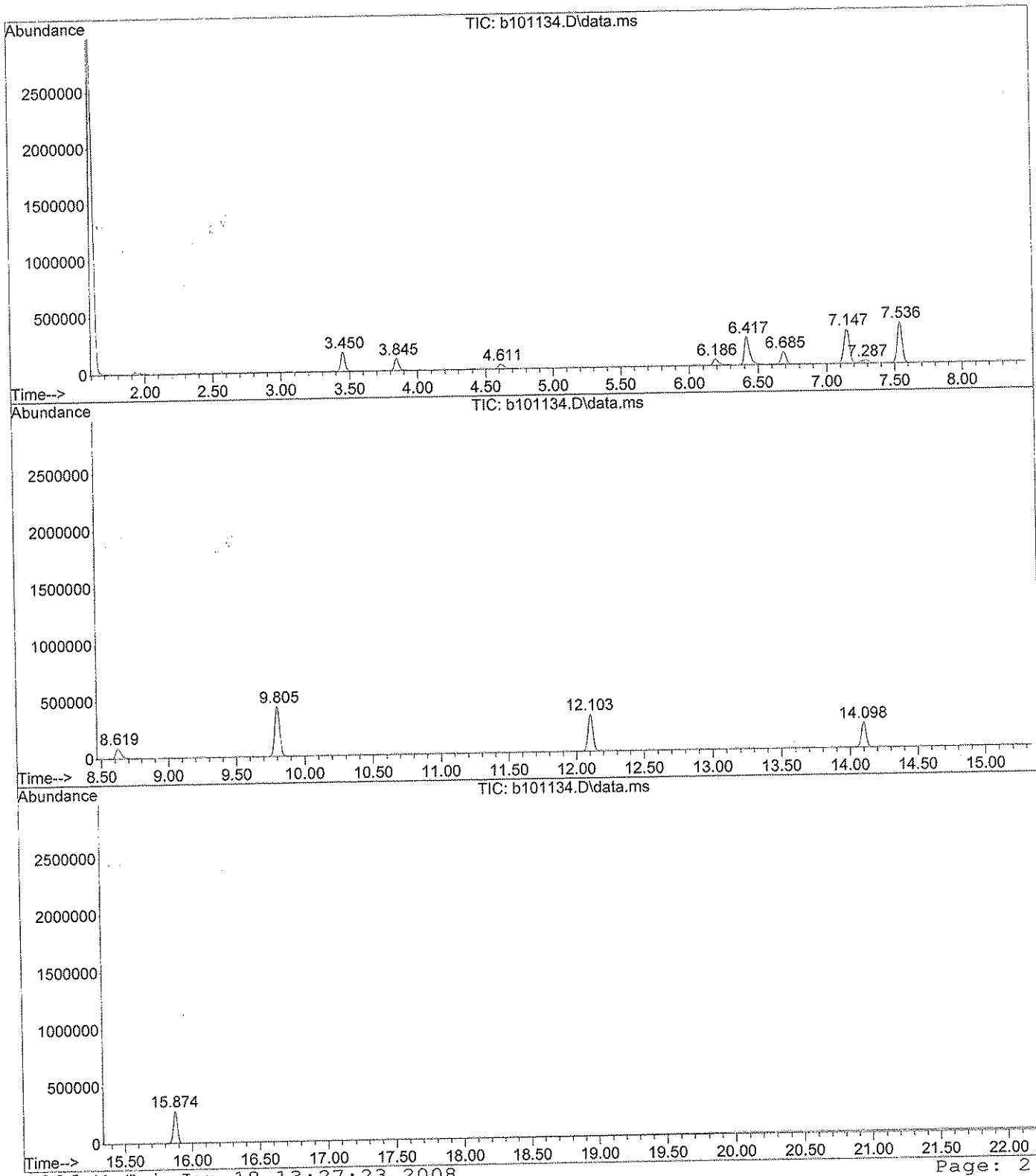
Sum of corrected areas: 7071419

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101107\
Data File : b101134.D
Acq On : 12 Oct 2007 1:40 am
Operator : NLT
Sample : ,SAMP,ME0710258-13A,1,
Misc : 8260+_W25
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Data Path : D:\msdchem\1\data\b101107\
Data File : b101134.D
Acq On : 12 Oct 2007 1:40 am
Operator : NLT
Sample : ,SAMP,ME0710258-13A,1,
Misc : 8260+ W25
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

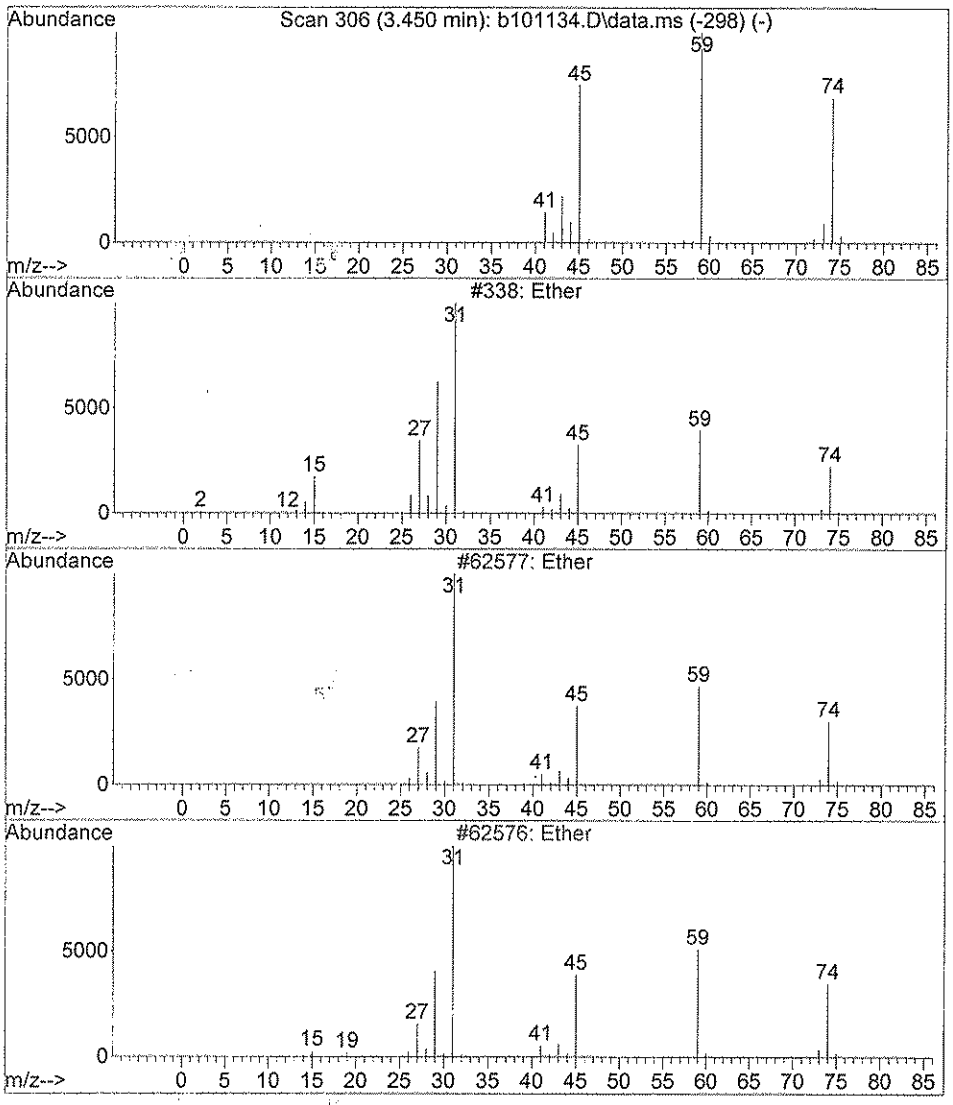
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

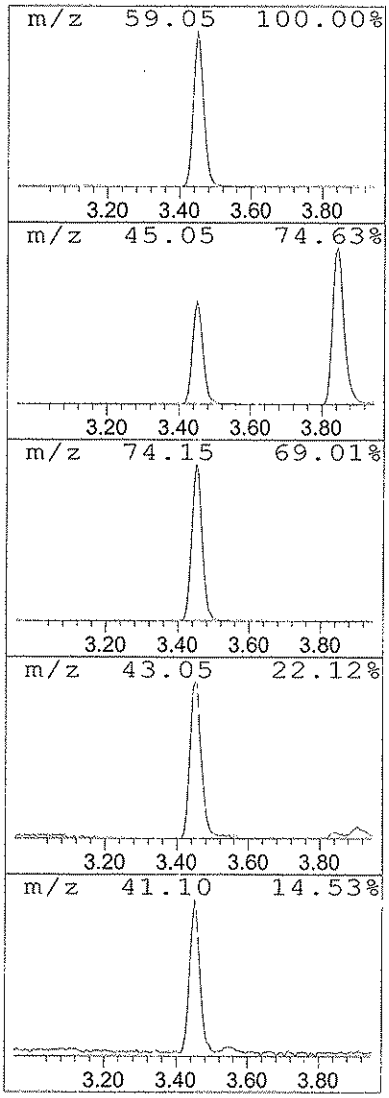
****

Peak Number 1 Ether Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.450	3.84 ug/L	347439	fluorobenzene	7.536

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ether	74	C4H10O	000060-29-7	90
2	Ether	74	C4H10O	000060-29-7	90
3	Ether	74	C4H10O	000060-29-7	86
4	Ether	74	C4H10O	000060-29-7	86
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	59





Data Path : D:\msdchem\1\data\b101107\
Data File : b101134.D
Acq On : 12 Oct 2007 1:40 am
Operator : NLT
Sample : ,SAMP,ME0710258-13A,1,
Misc : 8260+_W25
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

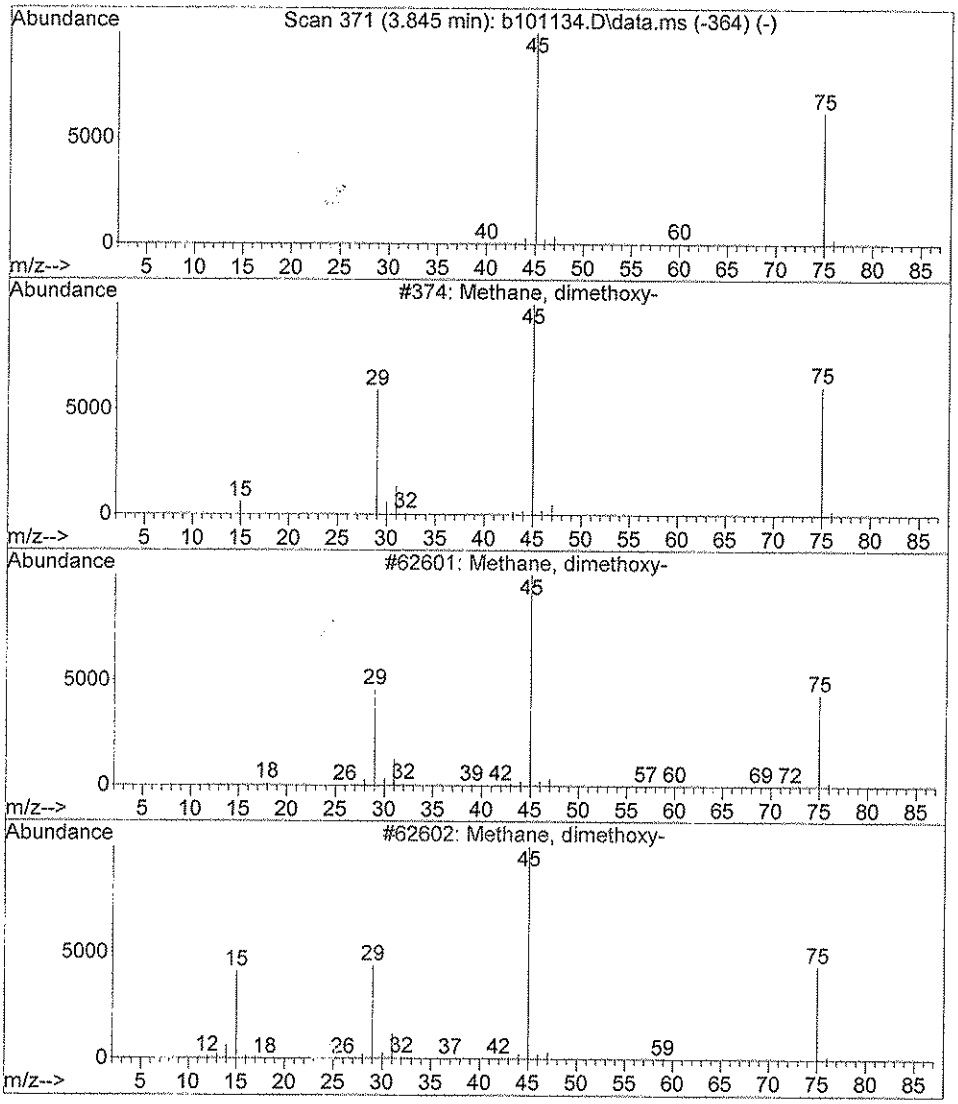
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

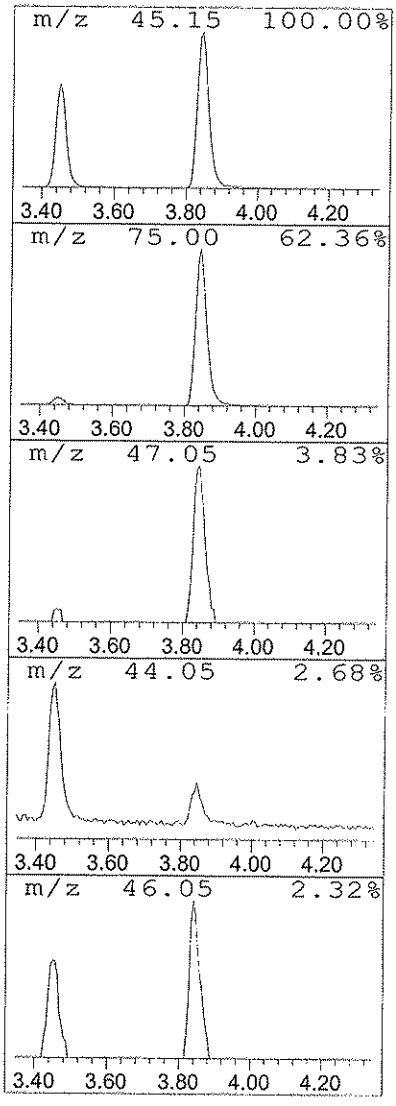
****

Peak Number 2 Methane, dimethoxy- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.845	2.68 ug/L	242434	fluorobenzene	7.536

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, dimethoxy-	76	C3H8O2	000109-87-5	90
2	Methane, dimethoxy-	76	C3H8O2	000109-87-5	83
3	Methane, dimethoxy-	76	C3H8O2	000109-87-5	83
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	7
5	Isopropyl Alcohol	60	C3H8O	000067-63-0	7





Data Path : D:\msdchem\1\data\b101107\
Data File : b101134.D
Acq On : 12 Oct 2007 1:40 am
Operator : NLT
Sample : ,SAMP,ME0710258-13A,1,
Misc : 8260+_W25
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

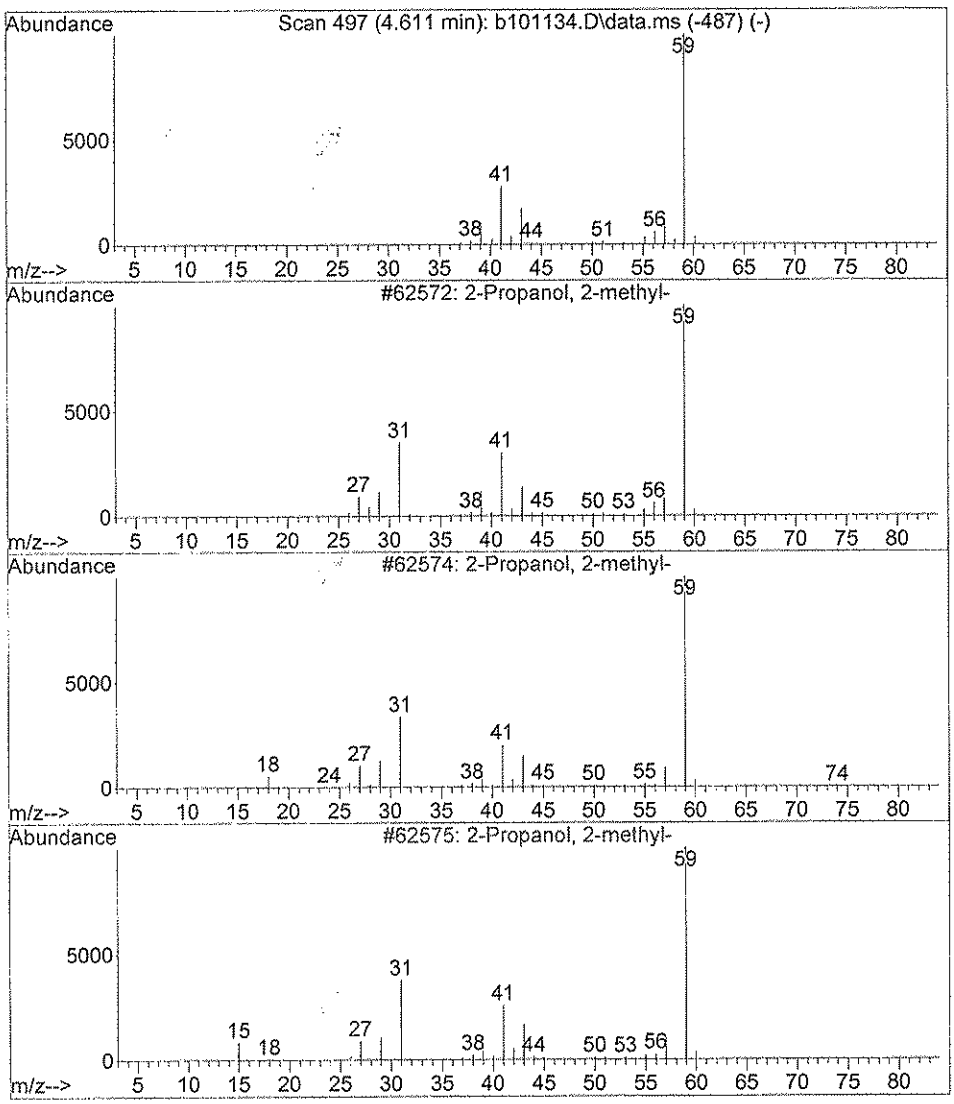
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

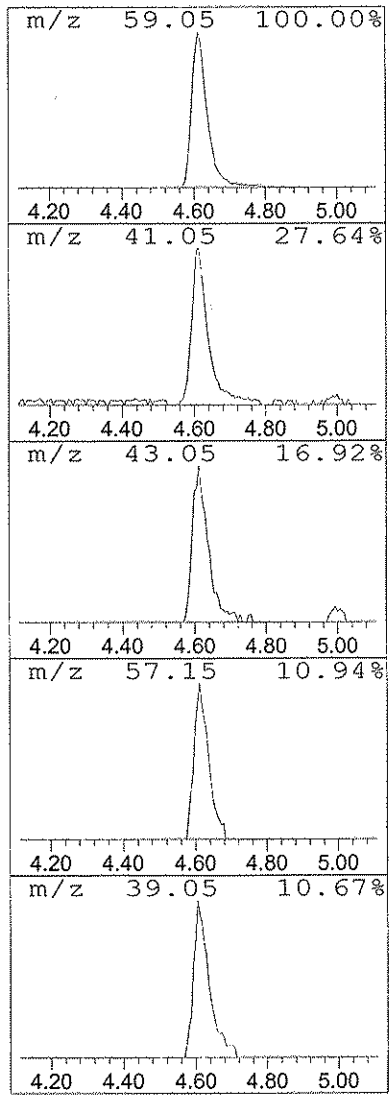
****

Peak Number 3 2-Propanol, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.611	1.37 ug/L	123809	fluorobenzene	7.536

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	78
2	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	64
3	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	64
4	3-Pentanol	88	C5H12O	000584-02-1	56
5	3-Pentanol	88	C5H12O	000584-02-1	43





Library Search Compound Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101134.D
Acq On : 12 Oct 2007 1:40 am
Operator : NLT
Sample : ,SAMP,ME0710258-13A,1,
Misc : 8260+_W25
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

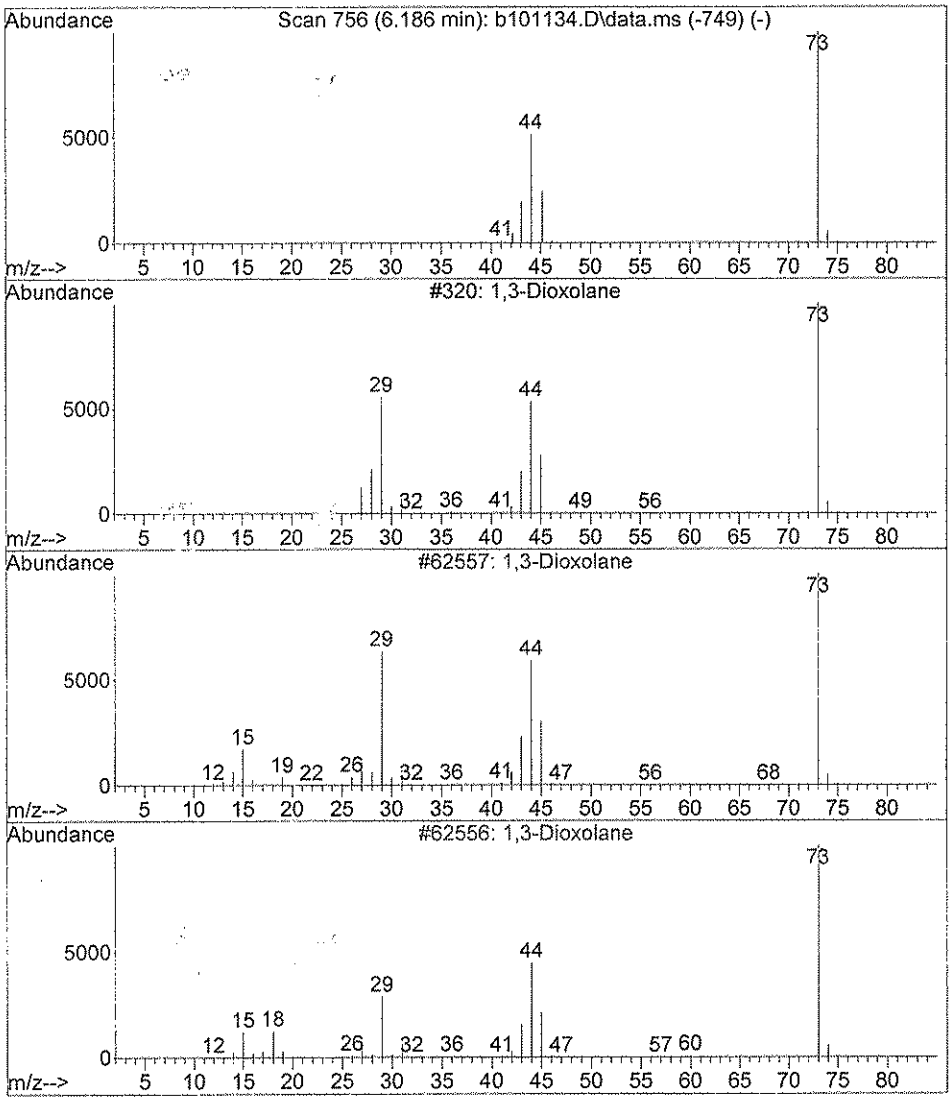
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

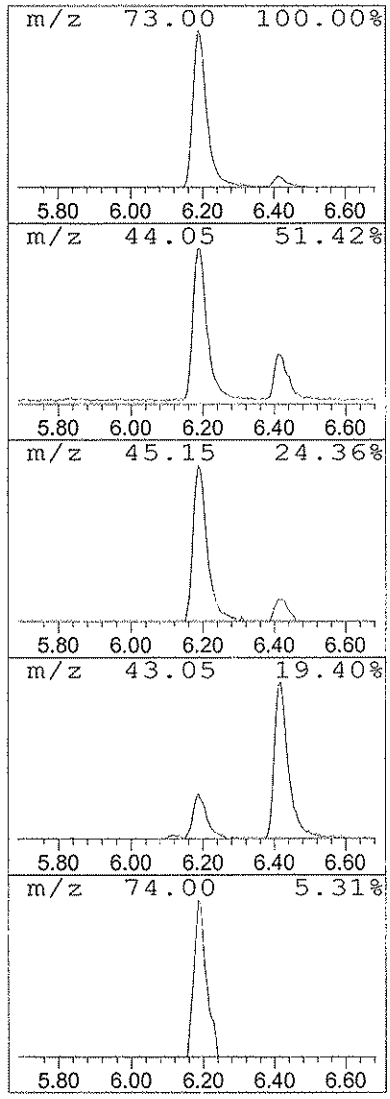
****

Peak Number 4 1,3-Dioxolane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.186	1.68 ug/L	151973	fluorobenzene	7.536

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane	74	C3H6O2	000646-06-0	90
2	1,3-Dioxolane	74	C3H6O2	000646-06-0	90
3	1,3-Dioxolane	74	C3H6O2	000646-06-0	90
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
5	Methanamine, N-methyl-	45	C2H7N	000124-40-3	5





Library Search Compound Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101134.D
Acq On : 12 Oct 2007 1:40 am
Operator : NLT
Sample : ,SAMP,ME0710258-13A,1,
Misc : 8260+_W25
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

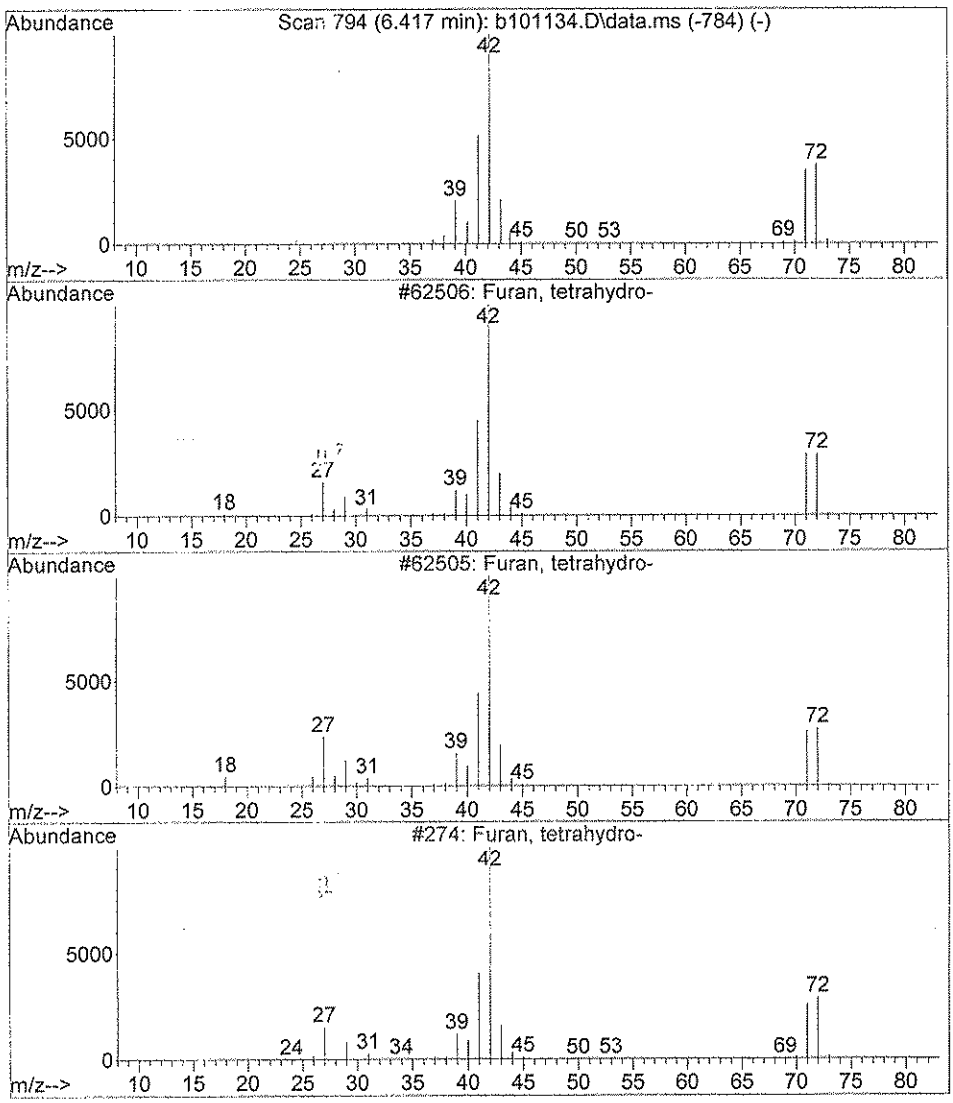
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

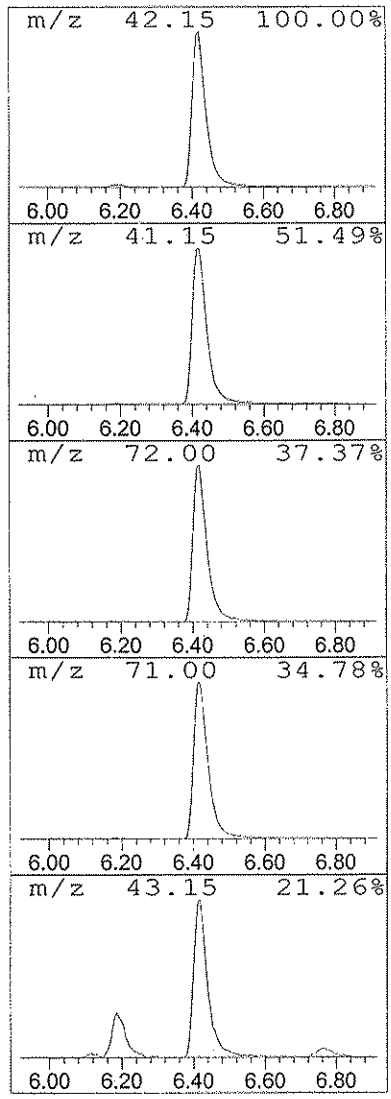
****

Peak Number 5 Furan, tetrahydro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.417	7.66 ug/L	693225	fluorobenzene	7.536

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-	72	C4H8O	000109-99-9	90
2	Furan, tetrahydro-	72	C4H8O	000109-99-9	90
3	Furan, tetrahydro-	72	C4H8O	000109-99-9	90
4	Furan, tetrahydro-	72	C4H8O	000109-99-9	86
5	Furan, tetrahydro-	72	C4H8O	000109-99-9	83





Data Path : D:\msdchem\1\data\b101107\
Data File : b101134.D
Acq On : 12 Oct 2007 1:40 am
Operator : NLT
Sample : ,SAMP,ME0710258-13A,1,
Misc : 8260+_W25
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

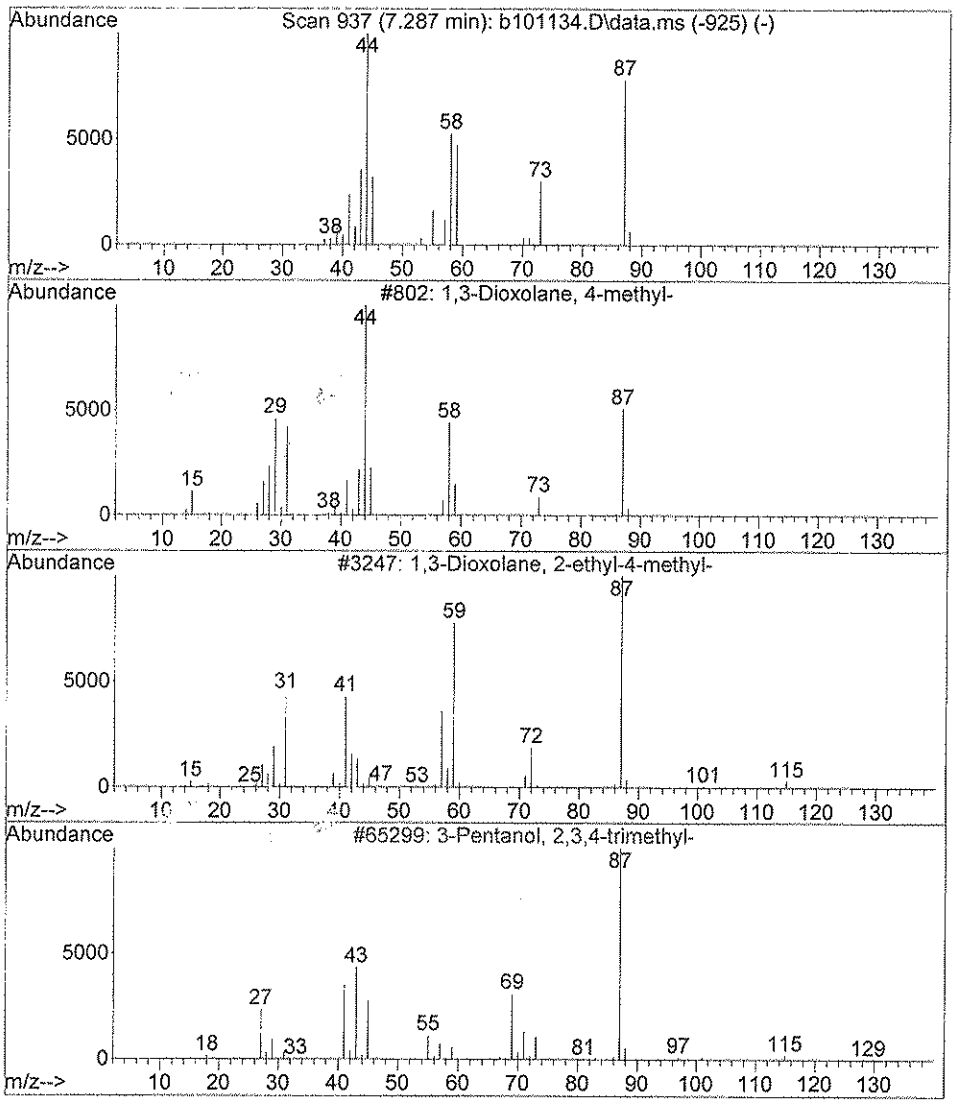
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

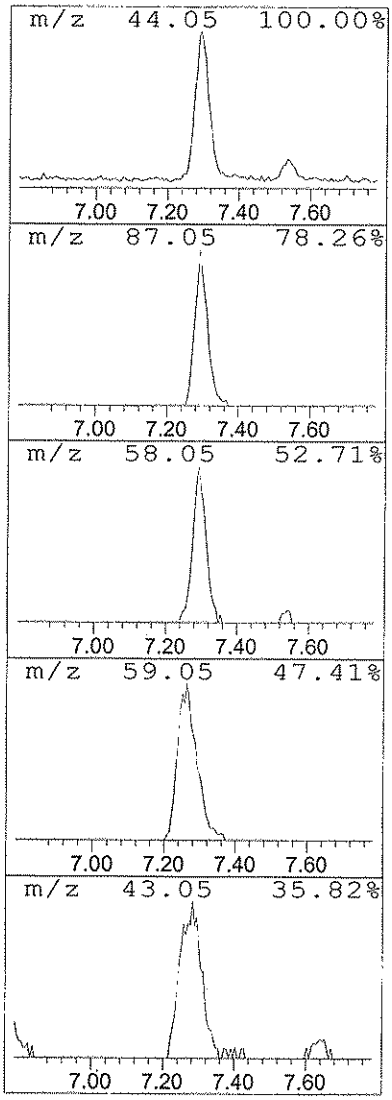
****

Peak Number 6 1,3-Dioxolane, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.287	1.28 ug/L	116047	fluorobenzene	7.536

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane, 4-methyl-	88	C4H8O2	001072-47-5	53
2	1,3-Dioxolane, 2-ethyl-4-methyl-	116	C6H12O2	004359-46-0	17
3	3-Pentanol, 2,3,4-trimethyl-	130	C8H18O	003054-92-0	12
4	1-Butanamine, N-methyl-	87	C5H13N	000110-68-9	9
5	Propanamide, 2-methyl-	87	C4H9NO	000563-83-7	9





Library Search Compound Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101134.D
Acq On : 12 Oct 2007 1:40 am
Operator : NLT
Sample : ,SAMP,ME0710258-13A,1,
Misc : 8260+_W25
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

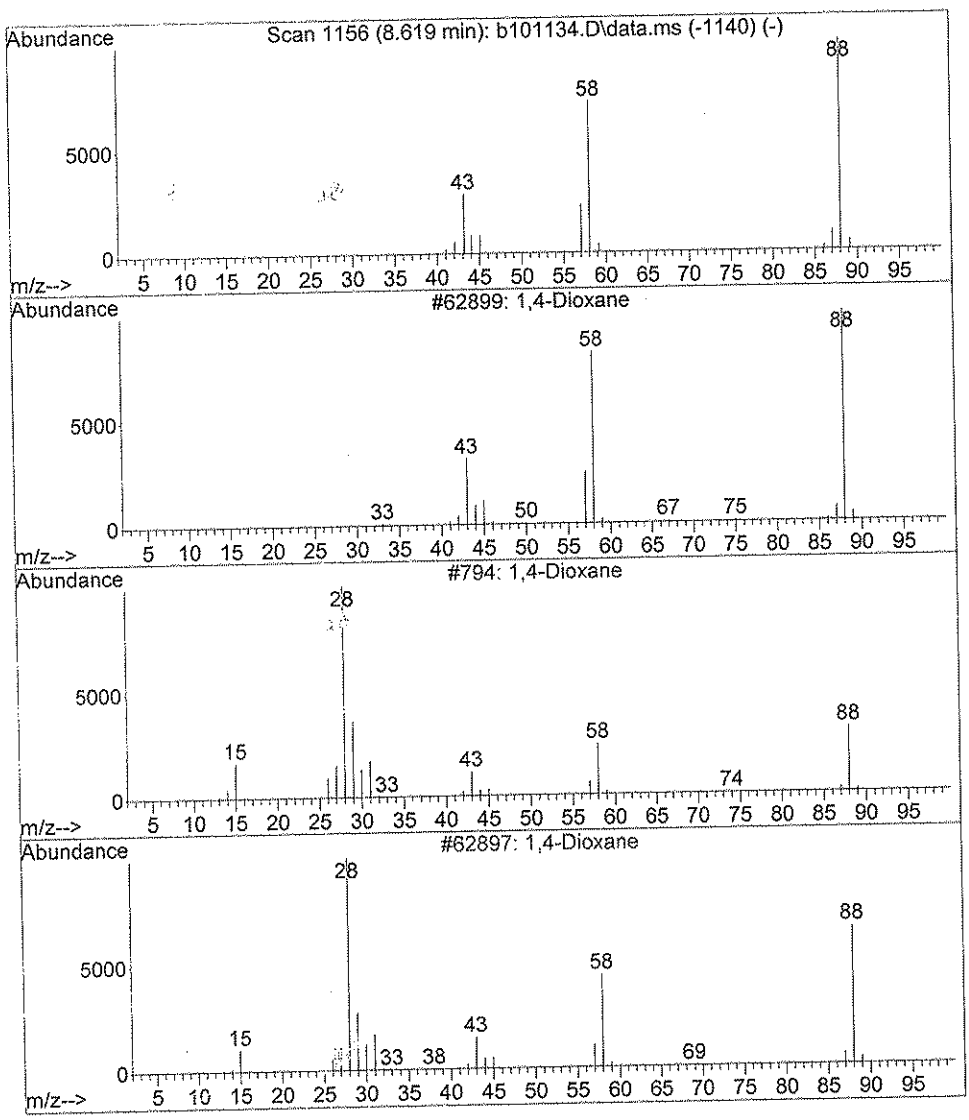
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

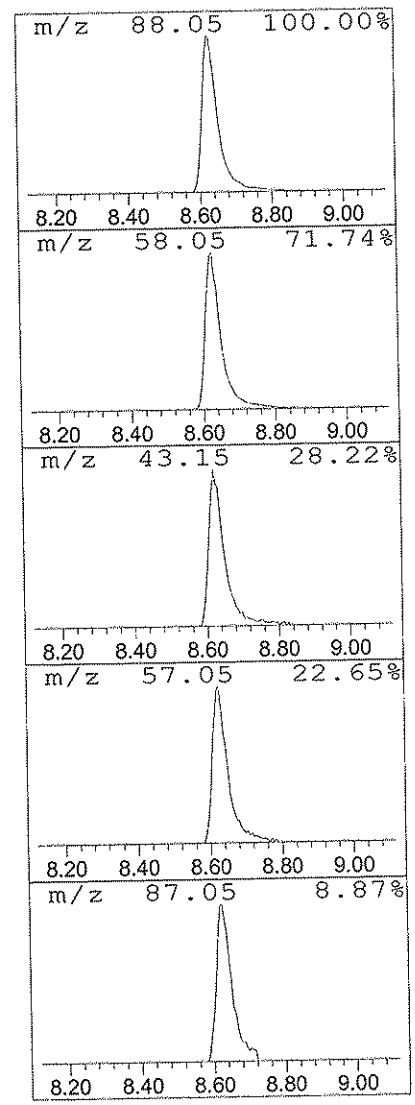
****

Peak Number 7 1,4-Dioxane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.619	3.25 ug/L	293916	fluorobenzene	7.536

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dioxane	88	C4H8O2	000123-91-1	91
2	1,4-Dioxane	88	C4H8O2	000123-91-1	90
3	1,4-Dioxane	88	C4H8O2	000123-91-1	90
4	1,4-Dioxane	88	C4H8O2	000123-91-1	83
5	1,3,6-Trioxocane	118	C5H10O3	001779-19-7	40





Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101107\\
Data File : b101135.D
Acq On : 12 Oct 2007 2:12 amm
Operator : NLTT
Sample : ,SAMP,ME0710258-14A,1,,
Misc : 8260+_W255
ALS Vial : 16 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101135.D
Acq On : 12 Oct 2007 2:12 am
Operator : NLT
Sample : ,SAMP,ME0710258-14A,1,
Misc : 8260+_W25
ALS Vial : 16 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101135.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.451	299	306	318	rVB2	18177	39234	3.65%	0.905%
2	6.686	823	838	853	rBV	109205	268891	25.00%	6.199%
3	7.130	901	911	925	rBV	86331	213389	19.84%	4.920%
4	7.538	967	978	1000	rBV	353151	864439	80.36%	19.929%
5	9.800	1338	1350	1364	rBV	433071	1075713	100.00%	24.800%
6	12.105	1717	1729	1750	rVB	319845	807310	75.05%	18.612%
7	14.099	2047	2057	2071	rBV	219713	521514	48.48%	12.023%
8	15.875	2339	2349	2359	rVB	274326	547122	50.86%	12.613%

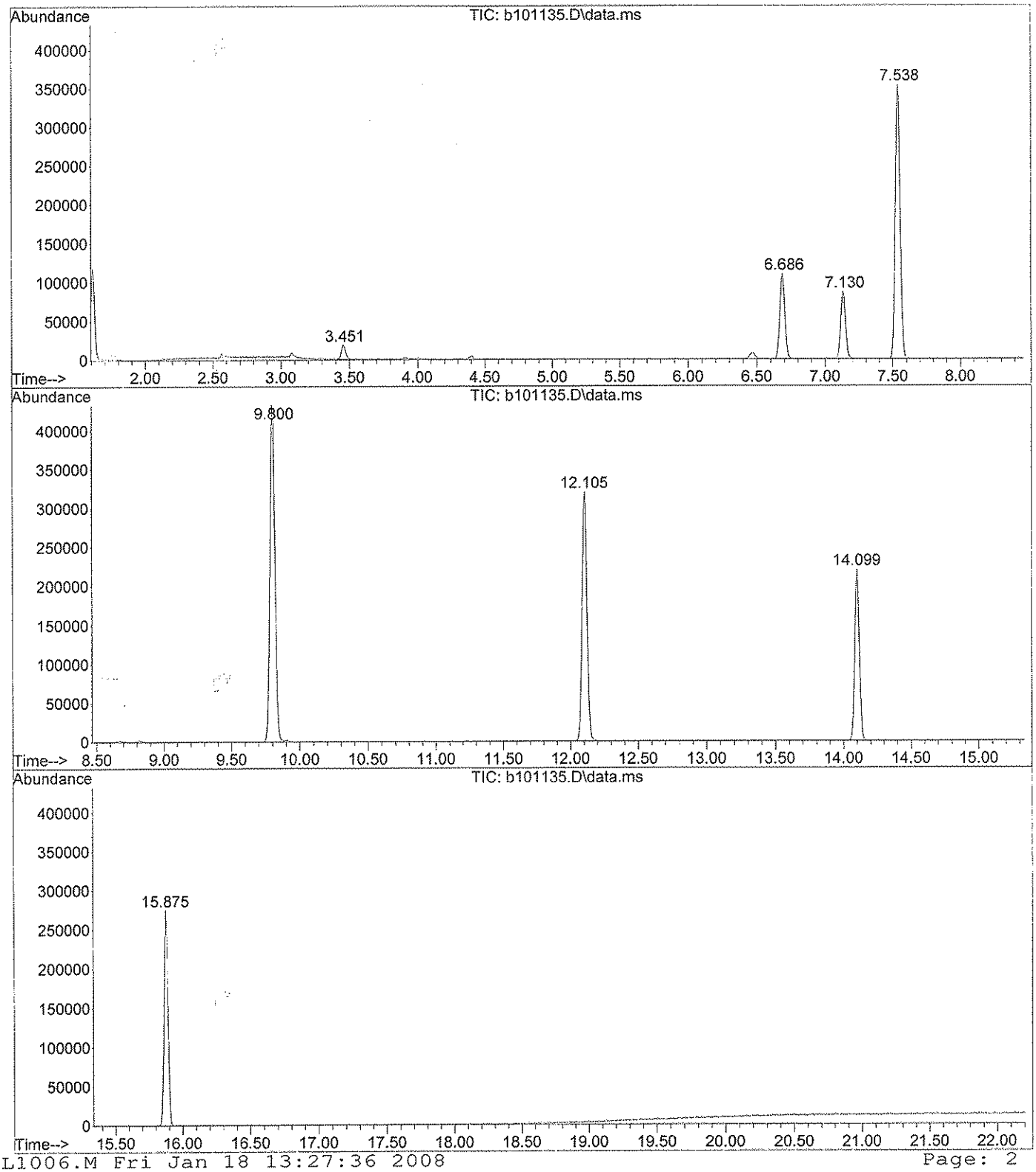
Sum of corrected areas: 4337612

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101107\
Data File : b101135.D
Acq On : 12 Oct 2007 2:12 am
Operator : NLT
Sample : ,SAMP,ME0710258-14A,1,
Misc : 8260+_W25
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101107\
Data File : b101136.D
Acq On : 12 Oct 2007 2:44 am
Operator : NLT
Sample : ,SAMP,ME0710258-15A,1,
Misc : 8260+_W25
ALS Vial : 17 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Methane, chloro...	1.840	2.1	ug/L	180713	1	7.538	873636	10.0
Ether	3.451	1.5	ug/L	131661	1	7.538	873636	10.0

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101136.D
Acq On : 12 Oct 2007 2:44 am
Operator : NLT
Sample : ,SAMP,ME0710258-15A,1,
Misc : 8260+_W25
ALS Vial : 17 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101136.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.840	36	41	51	rVB	107383	180713	16.70%	3.655%
2	3.451	296	306	320	rBV	62260	131661	12.17%	2.663%
3	6.686	827	838	853	rVB	110123	271514	25.10%	5.492%
4	7.143	900	913	932	rBV3	151389	441771	40.83%	8.936%
5	7.538	968	978	999	rVB	352157	873636	80.75%	17.671%
6	9.800	1339	1350	1363	rBV	435638	1081890	100.00%	21.883%
7	12.105	1717	1729	1749	rVB	323253	835747	77.25%	16.904%
8	14.100	2046	2057	2075	rVB	222465	531492	49.13%	10.750%
9	15.875	2340	2349	2360	rVB	301253	595541	55.05%	12.046%

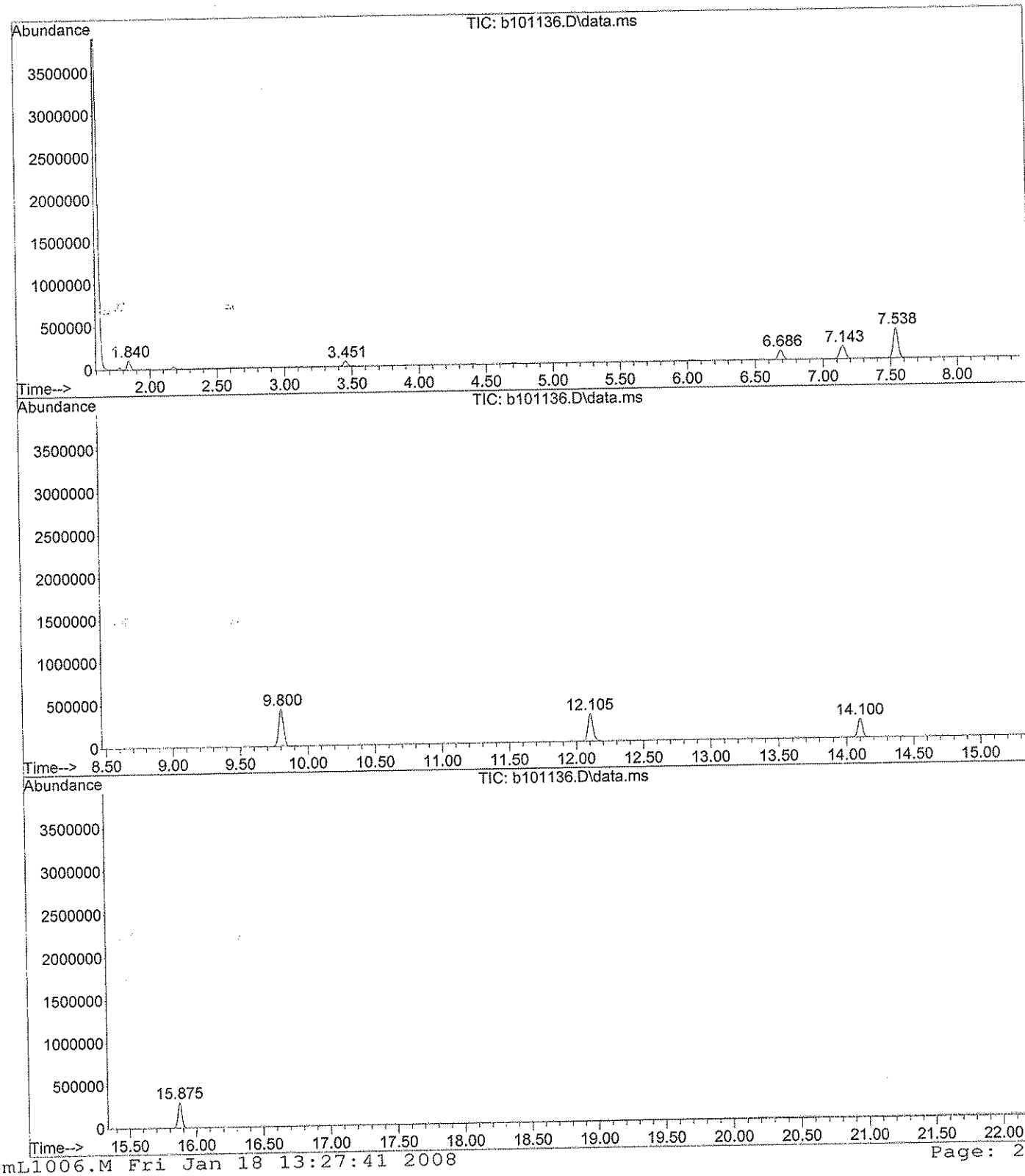
Sum of corrected areas: 4943965

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101107\
Data File : b101136.D
Acq On : 12 Oct 2007 2:44 am
Operator : NLT
Sample : ,SAMP,ME0710258-15A,1,
Misc : 8260+_W25
ALS Vial : 17 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Library Search Compound Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101136.D
Acq On : 12 Oct 2007 2:44 am
Operator : NLT
Sample : ,SAMP,ME0710258-15A,1,
Misc : 8260+_W25
ALS Vial : 17 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

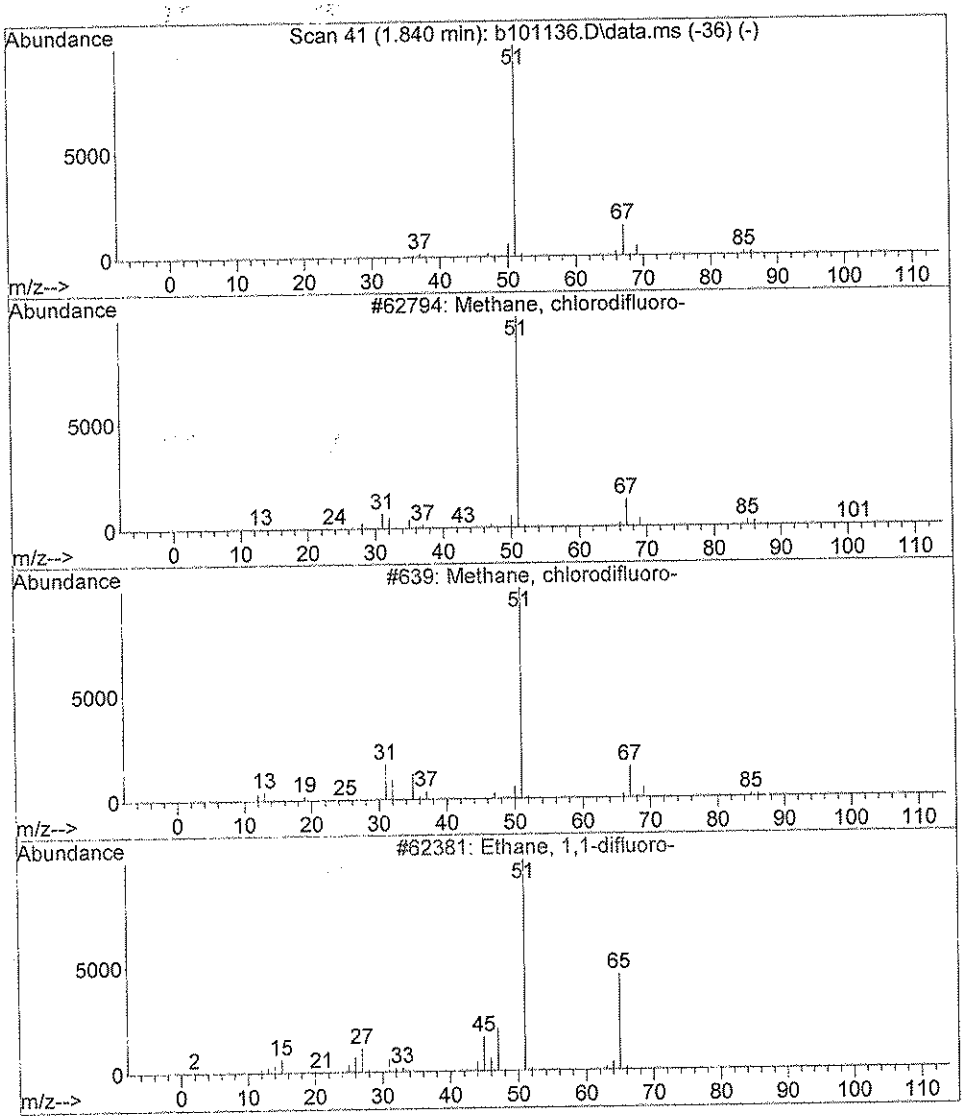
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

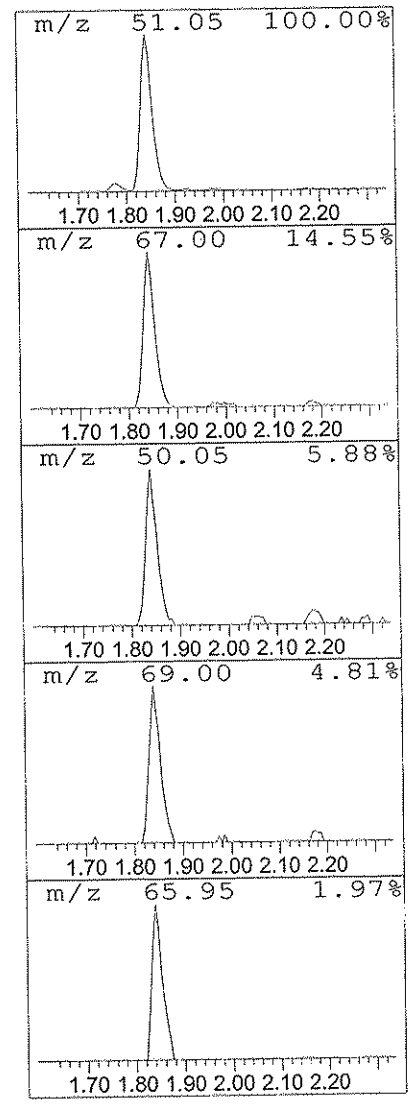
****

Peak Number 1 Methane, chlorodifluoro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.840	2.07 ug/L	180713	fluorobenzene	7.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, chlorodifluoro-	86	CHClF2	000075-45-6	91
2	Methane, chlorodifluoro-	86	CHClF2	000075-45-6	90
3	Ethane, 1,1-difluoro-	66	C2H4F2	000075-37-6	7
4	Ethane, 1,1-difluoro-	66	C2H4F2	000075-37-6	5
5	Propiolonitrile	51	C3HN	001070-71-9	3





Library Search Compound Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101136.D
Acq On : 12 Oct 2007 2:44 am
Operator : NLT
Sample : ,SAMP,ME0710258-15A,1,
Misc : 8260+_W25
ALS Vial : 17 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

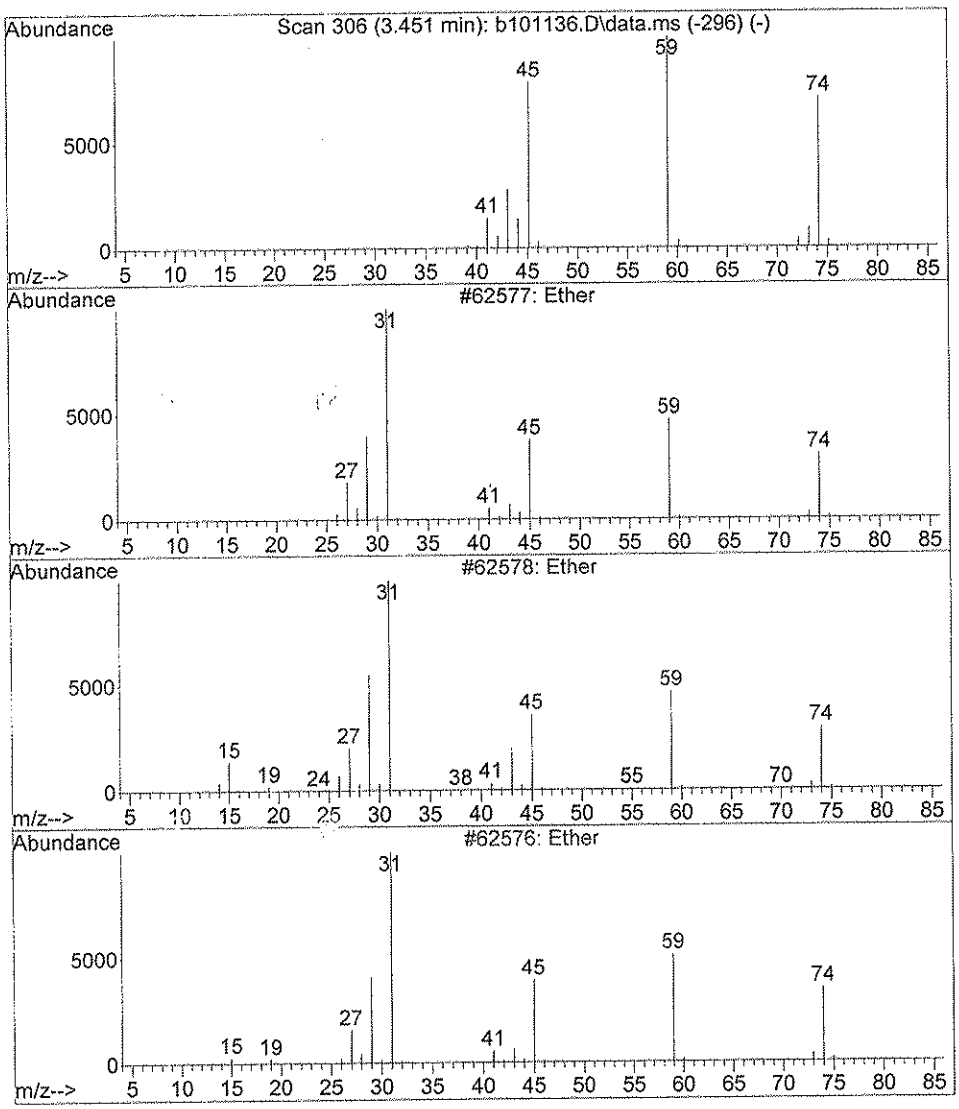
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

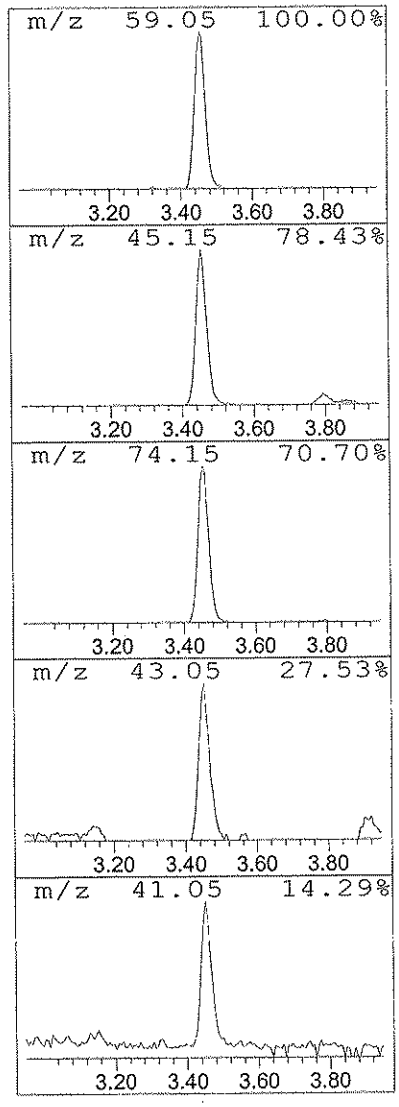
****

Peak Number 2 Ether Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.451	1.51 ug/L	131661	fluorobenzene	7.538

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ether	74	C4H10O	000060-29-7	90
2	Ether	74	C4H10O	000060-29-7	86
3	Ether	74	C4H10O	000060-29-7	86
4	Ether	74	C4H10O	000060-29-7	78
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	72





Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101107\\
Data File : b101137.D
Acq On : 12 Oct 2007 3:16 amm
Operator : NLTT
Sample : ,SAMP,ME0710258-16A,1,,
Misc : 8260+_W255
ALS Vial : 18 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101137.D
Acq On : 12 Oct 2007 3:16 am
Operator : NLT
Sample : ,SAMP,ME0710258-16A,1,
Misc : 8260+_W25
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 3 % of largest Peak
Max Peaks: 100
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101137.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.684	825	838	853	rBV	108437	272742	25.47%	6.293%
2	7.134	902	912	926	rBV	84820	214487	20.03%	4.949%
3	7.536	966	978	999	rBV	351919	872467	81.47%	20.132%
4	9.804	1338	1351	1363	rBV	427631	1070954	100.00%	24.712%
5	12.103	1713	1729	1747	rBV	321832	810939	75.72%	18.712%
6	14.097	2047	2057	2070	rBV	220416	523397	48.87%	12.077%
7	15.873	2338	2349	2360	rBV	278144	568799	53.11%	13.125%

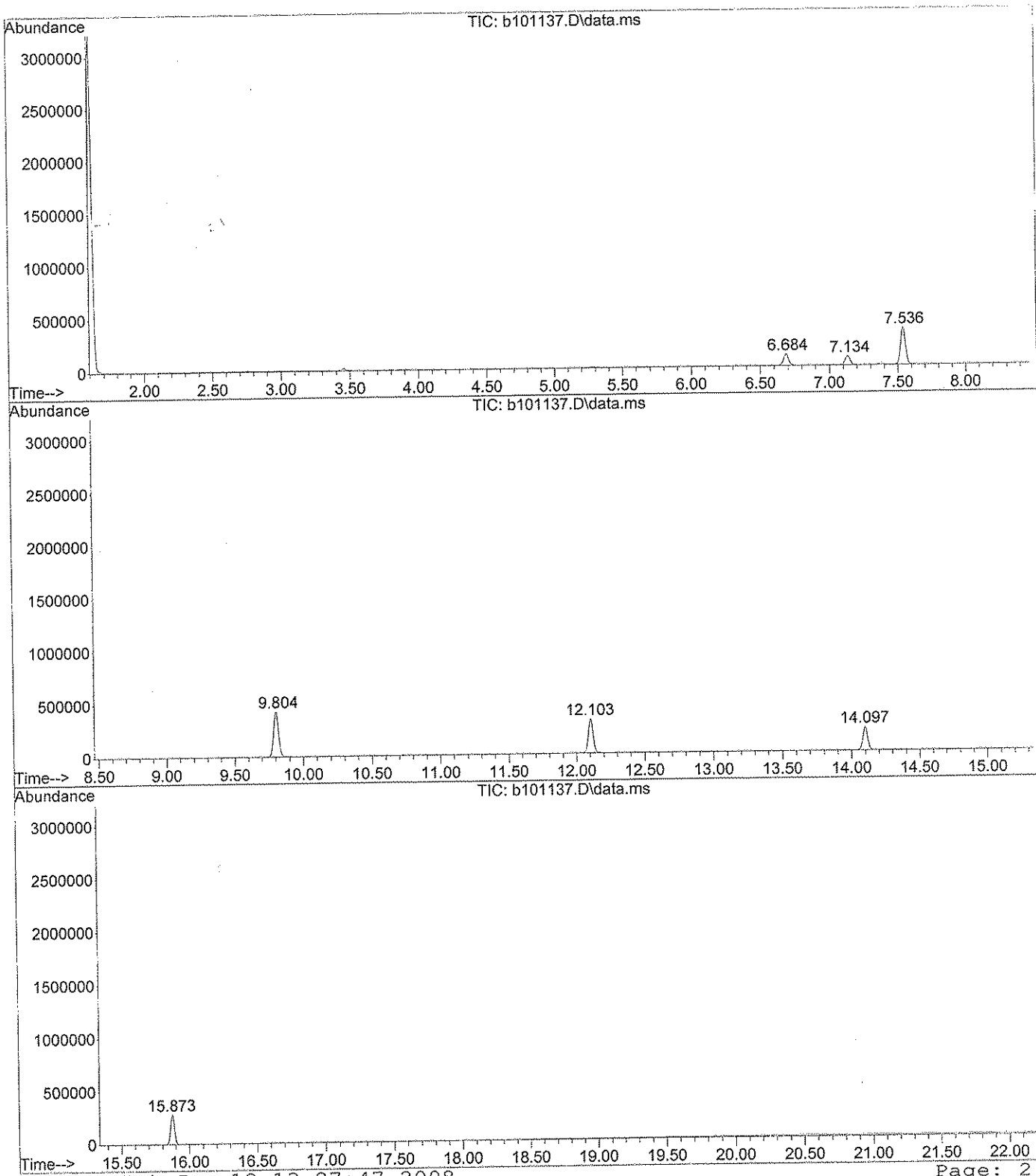
Sum of corrected areas: 4333785

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101107\
Data File : b101137.D
Acq On : 12 Oct 2007 3:16 am
Operator : NLT
Sample : ,SAMP,ME0710258-16A,1,
Misc : 8260+_W25
ALS Vial : 18 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101107\
Data File : b101138.D
Acq On : 12 Oct 2007 3:48 am
Operator : NLT
Sample : ,SAMP,ME0710258-17A,1,
Misc : 8260+_W25
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Diethyl sulfide	8.051	4.7	ug/L	414438	1	7.540	881820	10.0

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101138.D
Acq On : 12 Oct 2007 3:48 am
Operator : NLT
Sample : ,SAMP,ME0710258-17A,1,
Misc : 8260+_W25
ALS Vial : 19 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101138.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.683	827	838	857	rVB2	107861	271190	4.66%	2.622%
2	7.151	901	915	942	rBV	2276906	5815276	100.00%	56.226%
3	7.540	968	979	988	rBV	352849	881820	15.16%	8.526%
4	8.051	1052	1063	1078	rBV	169773	414438	7.13%	4.007%
5	9.803	1337	1351	1363	rBV	436399	1073229	18.46%	10.377%
6	12.101	1715	1729	1747	rVB	318506	807667	13.89%	7.809%
7	14.102	2047	2058	2072	rBV	217413	518641	8.92%	5.015%
8	15.878	2340	2350	2363	rVB	273102	560383	9.64%	5.418%

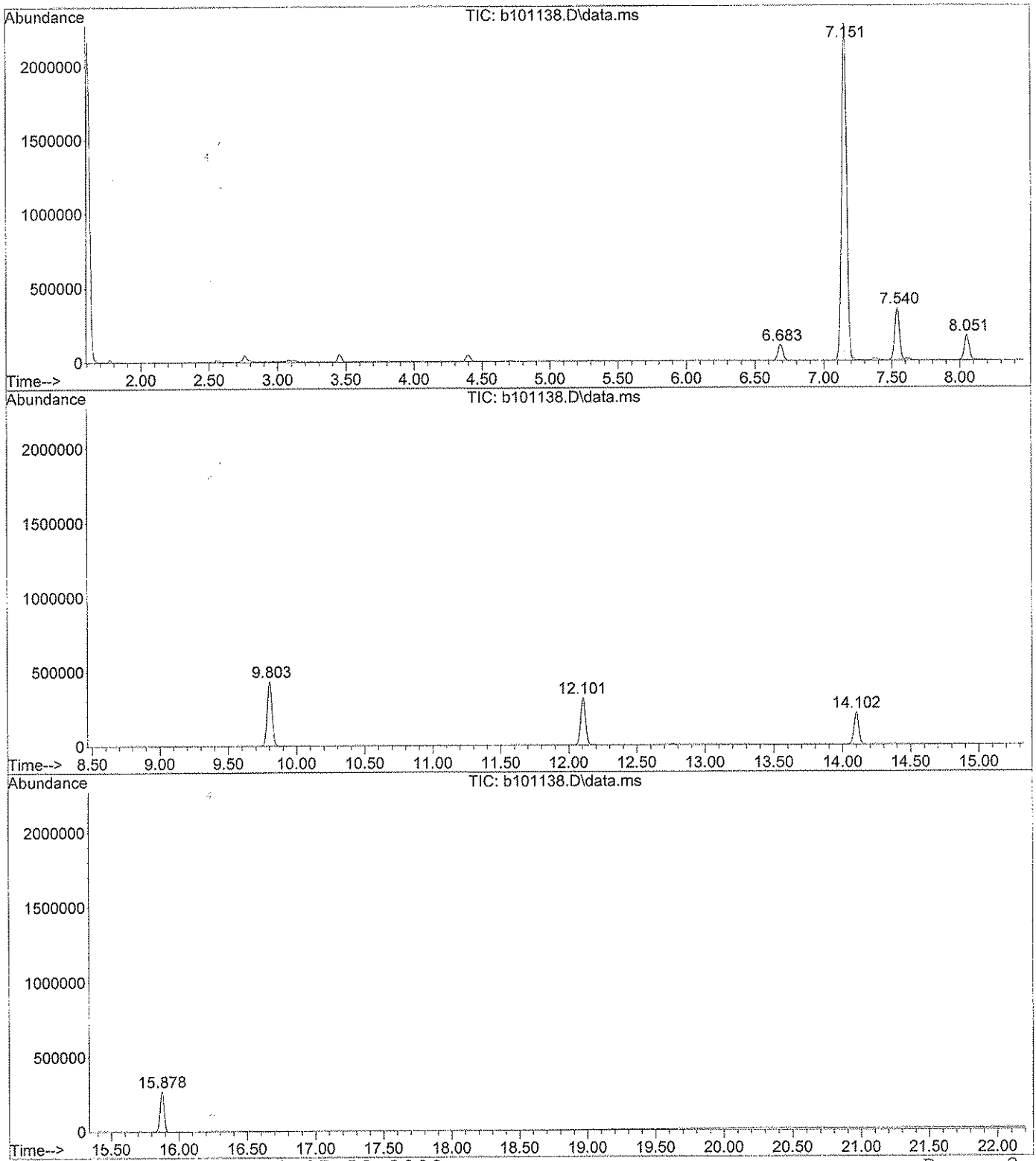
Sum of corrected areas: 10342644

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101107\
Data File : b101138.D
Acq On : 12 Oct 2007 3:48 am
Operator : NLT
Sample : ,SAMP,ME0710258-17A,1,
Misc : 8260+_W25
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Data Path : D:\msdchem\1\data\b101107\
Data File : b101138.D
Acq On : 12 Oct 2007 3:48 am
Operator : NLT
Sample : ,SAMP,ME0710258-17A,1,
Misc : 8260+_W25
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

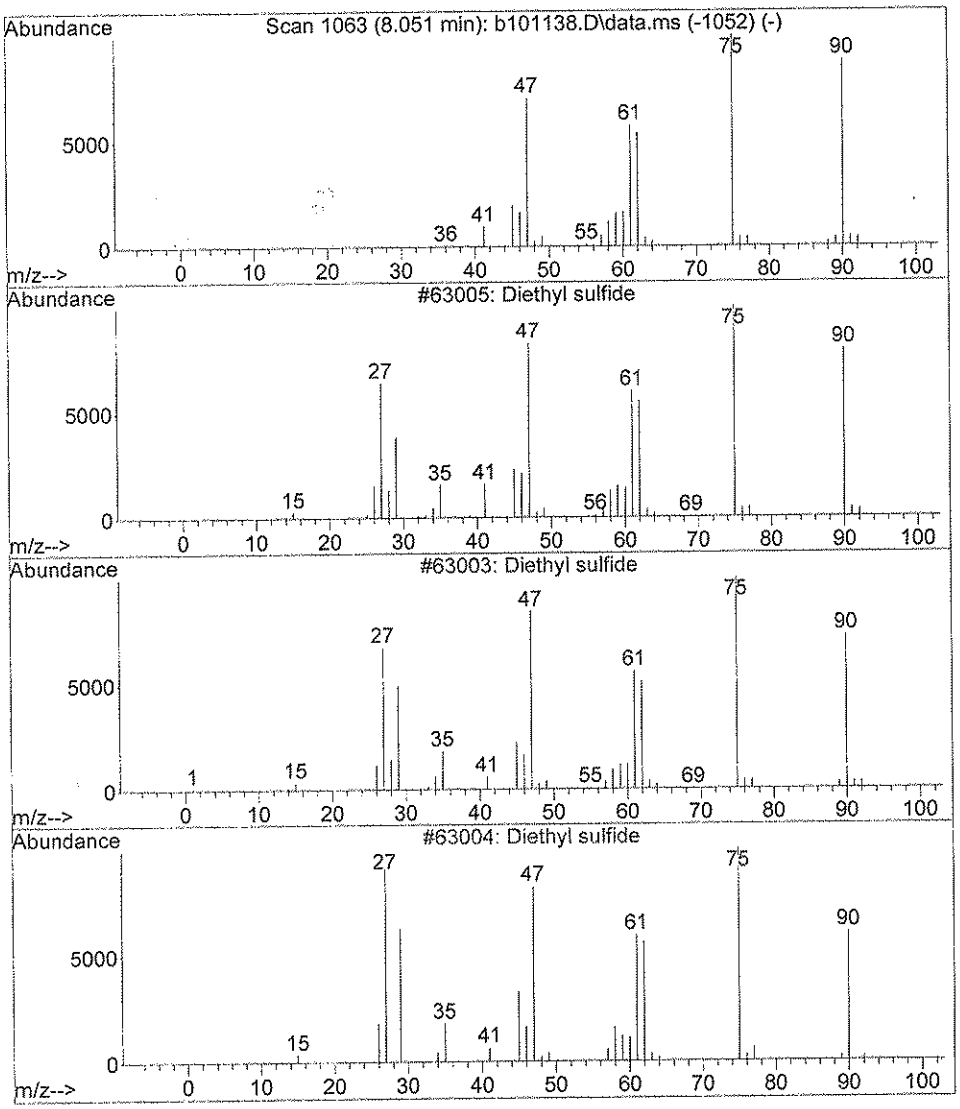
TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P

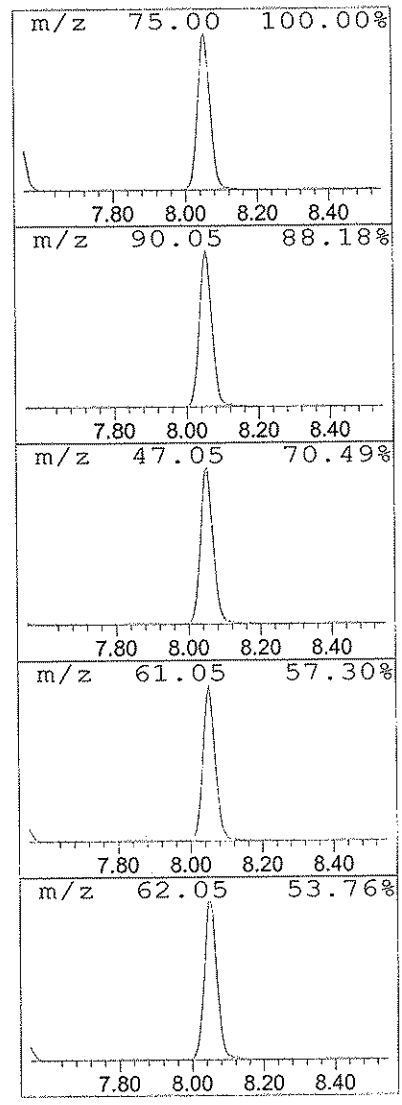
****

Peak Number 1 Diethyl sulfide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.051	4.70 ug/L	414438	fluorobenzene	7.540

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyl sulfide	90	C4H10S	000352-93-2	96
2	Diethyl sulfide	90	C4H10S	000352-93-2	94
3	Diethyl sulfide	90	C4H10S	000352-93-2	94
4	Diethyl sulfide	90	C4H10S	000352-93-2	91
5	Sulfur diimide, dimethyl-	90	C2H6N2S	013849-02-0	64





Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101107\\
Data File : b101139.D
Acq On : 12 Oct 2007 4:20 amm
Operator : NLTT
Sample : ,SAMP,ME0710258-18A,1,,
Misc : 8260+_W255
ALS Vial : 20 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101107\
Data File : b101139.D
Acq On : 12 Oct 2007 4:20 am
Operator : NLT
Sample : ,SAMP,ME0710258-18A,1,
Misc : 8260+_W25
ALS Vial : 20 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101139.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.160	895	916	944	rBV	13351357	47211561	100.00%	100.000%

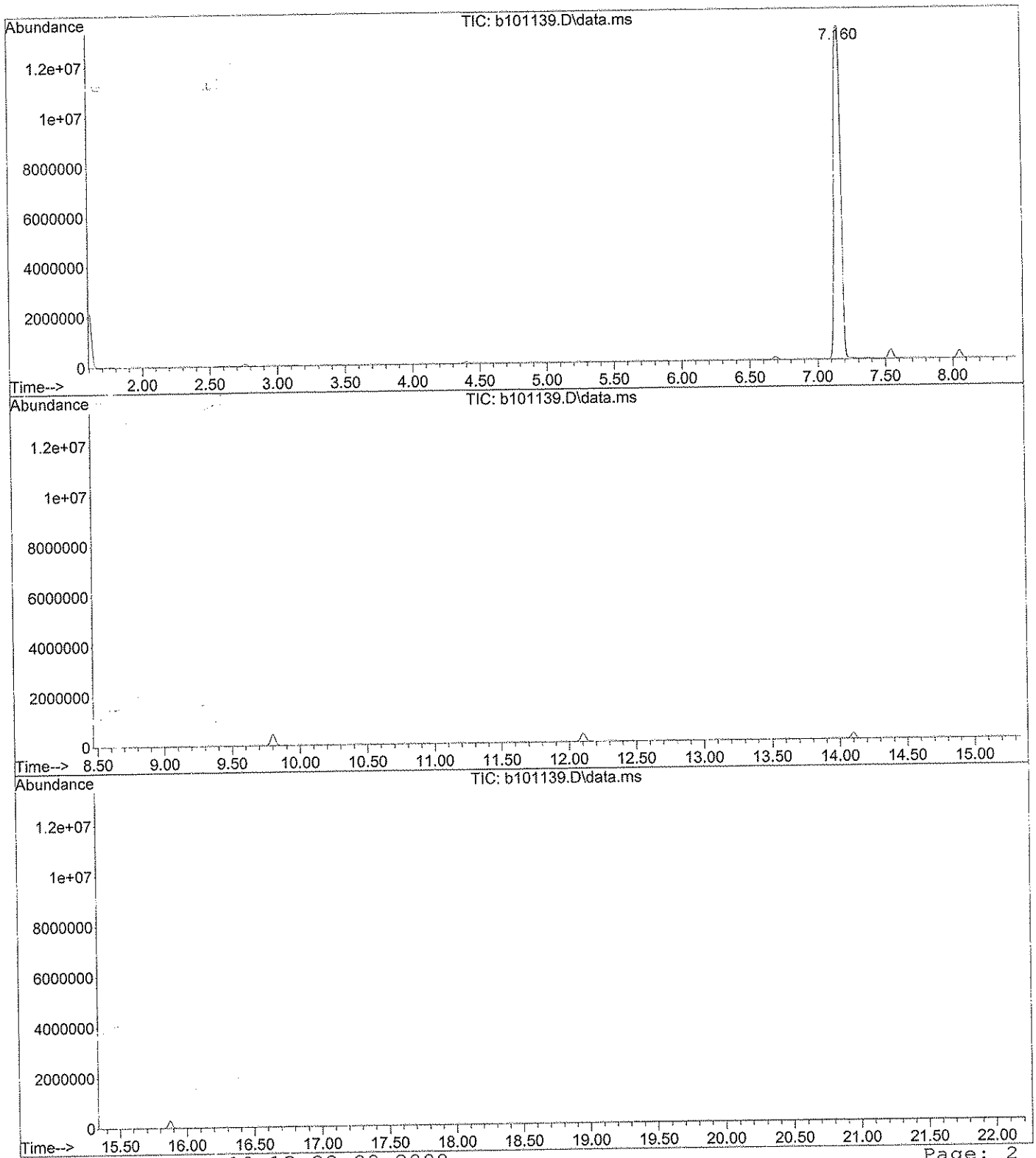
Sum of corrected areas: 47211561

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101107\
Data File : b101139.D
Acq On : 12 Oct 2007 4:20 am
Operator : NLT
Sample : ,SAMP,ME0710258-18A,1,
Misc : 8260+_W25
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



LABORATORY DATA CONSULTANTS, INC.
7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: 760/634-0439

MWH Americas, Inc.
175 West Jackson Blvd, Suite 1900
Chicago, IL 60604-2814
ATTN: Mr. Justin Finger

December 14, 2007

SUBJECT: ACS-89, Data Validation

Dear Mr. Finger,

Enclosed are the final validation reports for the fraction listed below. These SDGs were received on November 28, 2007. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 17893:

SDG #	Fraction
ME0710076, ME0710172, ME0710258	Volatiles

The data validation was performed under EPA Level III and Level IV guidelines. The analyses were validated using the following documents, as applicable to each method:

- Remedial Design/Remedial Action PRP - Lead Project Quality Assurance Project Plan, Rev 0, November 2001
- USEPA, Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998

Please feel free to contact us if you have any questions.

Sincerely,

Erlinda T. Rauto
Operations Manager/Senior Chemist

Attachment 1

RTC PARCC

LDC #17893 (MWH Americas, Inc.-Chicago IL / ACS-89)

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (8260B)																															
Matrix: Water/Soil				W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	ME0710076	11/28/07	12/19/07	9	0																														
B	ME0710172	11/28/07	12/19/07	11	0																														
C	ME0710258	11/28/07	12/19/07	14	0																														
C	ME0710258	11/28/07	12/19/07	4	0																														
Total	T/LR			38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38

Shaded cells indicate Level IV validation (all other cells are Level III validation). These sample counts do not include MS/MSD, and DUPs

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: ACS 89

Collection Date: October 1, 2007

LDC Report Date: December 11, 2007

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III

Laboratory: Microbac

Sample Delivery Group (SDG): ME0710076

Sample Identification

ACS-GW-TB01-30
ACS-GW-Dup01-30
ACS-GW-MW58-30
ACS-GW-MW59-30
ACS-GW-MW17-30
ACS-GW-MW28-30
ACS-GW-MW56-30
ACS-GW-EB01-30
ACS-GW-MW11-30
ACS-GW-MW17-30MS
ACS-GW-MW17-30MSD

Introduction

This data review covers 11 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8260B for Volatiles.

The review follows the Remedial Design/Remedial Action PRP - Lead Project Quality Assurance Project Plan (November 2001, Rev. 0) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XIV.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

B Compound or analyte was positively detected in a sample and in an associated blank.

UB Compound or analyte is not detected at or above the indicated concentration due to blank contamination.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%RSD	Associated Samples	Flag	A or P
10/6/07	1,2,4-Trichlorobenzene	31.20	All samples in SDG ME0710076	J (all detects) UJ (all non-detects)	A

Average relative response factors (RRF) for all volatile target compounds and system performance check compounds (SPCCs) were within method and validation criteria with the following exceptions:

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
10/6/07	Acetone 2-Butanone	0.024 (≥0.05) 0.007 (≥0.05)	All samples in SDG ME0710076	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P
10/6/07	Bromoform	0.082 (≥0.100)	All samples in SDG ME0710076	None	P

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were within validation criteria with the following exceptions:

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
10/9/07 (b1009029)	Acetone 2-Butanone	0.023 (≥0.05) 0.007 (≥0.05)	MBLKW-25 10/8/07	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P
10/9/07 (b1009029)	Bromoform	0.076 (≥0.10)	MBLKW-25 10/8/07	None	P
10/9/07 (b100918)	Acetone 2-Butanone	0.024 (≥0.05) 0.007 (≥0.05)	ACS-GW-TB01-30 ACS-GW-Dup01-30 ACS-GW-MW58-30 ACS-GW-MW59-30 ACS-GW-MW17-30 ACS-GW-MW28-30 ACS-GW-MW56-30 ACS-GW-EB01-30 ACS-GW-MW11-30	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P
10/9/07 (b100918)	Bromoform	0.082 (≥0.10)	ACS-GW-TB01-30 ACS-GW-Dup01-30 ACS-GW-MW58-30 ACS-GW-MW59-30 ACS-GW-MW17-30 ACS-GW-MW28-30 ACS-GW-MW56-30 ACS-GW-EB01-30 ACS-GW-MW11-30	None	P
10/10/07 (b101002)	Acetone 2-Butanone	0.024 (≥0.05) 0.007 (≥0.05)	MBLKW-25 10/10/07	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
10/10/07 (b101002)	Bromoform	0.078 (≥0.10)	MBLKW-25 10/10/07	None	P
10/10/07 (b101019)	Acetone 2-Butanone	0.023 (≥0.05) 0.006 (≥0.05)	ACS-GW-MW17-30MS ACS-GW-MW17-30MSD	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P
10/10/07 (b101019)	Bromoform	0.073 (≥0.10)	ACS-GW-MW17-30MS ACS-GW-MW17-30MSD	None	P

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Analysis Date	Compound TIC (RT in minutes)	Concentration	Associated Samples
MBLK 10/8/07	10/9/07	Methylene chloride	0.79 ug/L	All samples in SDG ME0710076

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated method blanks.

Sample ACS-GW-TB01-30 was identified as a trip blank. No volatile contaminants were found in this blank with the following exceptions:

Trip Blank ID	Sampling Date	Compound	Concentration	Associated Samples
ACS-GW-TB01-30	10/1/07	Acetone	0.0022 mg/L	ACS-GW-Dup01-30 ACS-GW-MW58-30 ACS-GW-MW59-30 ACS-GW-MW17-30 ACS-GW-MW28-30 ACS-GW-MW56-30 ACS-GW-EB01-30 ACS-GW-MW11-30

Sample ACS-GW-EB01-30 was identified as an equipment blank. No volatile contaminants were found in this blank with the following exceptions:

Equipment Blank ID	Sampling Date	Compound	Concentration	Associated Samples
ACS-GW-EB01-30	10/1/07	Acetone	0.0033 mg/L	ACS-GW-Dup01-30 ACS-GW-MW58-30 ACS-GW-MW59-30 ACS-GW-MW17-30 ACS-GW-MW28-30 ACS-GW-MW56-30 ACS-GW-MW11-30

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks with the following exceptions:

Sample	Compound	Reported Concentration	Modified Final Concentration
ACS-GW-MW58-30	Acetone	0.011 mg/L	0.050UB mg/L
ACS-GW-MW59-30	Acetone	0.0044 mg/L	0.050UB mg/L
ACS-GW-EB01-30	Acetone	0.0033 mg/L	0.050UB mg/L

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment of Data

Data flags have been summarized at the end of the report if data has been qualified.

XVI. Field Duplicates

Samples ACS-GW-Dup01-30 and ACS-GW-MW56-30 were identified as field duplicates. No volatiles were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/L)		RPD
	ACS-GW-Dup01-30	ACS-GW-MW56-30	
Benzene	0.22	0.22	0
Chloroethane	0.0019	0.0018	5

ACS 89
Volatiles - Data Qualification Summary - SDG ME0710076

SDG	Sample	Compound	Flag	A or P	Reason
ME0710076	ACS-GW-TB01-30 ACS-GW-Dup01-30 ACS-GW-MW58-30 ACS-GW-MW59-30 ACS-GW-MW17-30 ACS-GW-MW28-30 ACS-GW-MW56-30 ACS-GW-EB01-30 ACS-GW-MW11-30	1,2,4-Trichlorobenzene	J (all detects) UJ (all non-detects)	A	Initial calibration (%RSD)
ME0710076	ACS-GW-TB01-30 ACS-GW-Dup01-30 ACS-GW-MW58-30 ACS-GW-MW59-30 ACS-GW-MW17-30 ACS-GW-MW28-30 ACS-GW-MW56-30 ACS-GW-EB01-30 ACS-GW-MW11-30	Acetone 2-Butanone	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Initial calibration (RRF)
ME0710076	ACS-GW-TB01-30 ACS-GW-Dup01-30 ACS-GW-MW58-30 ACS-GW-MW59-30 ACS-GW-MW17-30 ACS-GW-MW28-30 ACS-GW-MW56-30 ACS-GW-EB01-30 ACS-GW-MW11-30	Bromoform	None	P	Initial calibration (RRF)
ME0710076	ACS-GW-TB01-30 ACS-GW-Dup01-30 ACS-GW-MW58-30 ACS-GW-MW59-30 ACS-GW-MW17-30 ACS-GW-MW28-30 ACS-GW-MW56-30 ACS-GW-EB01-30 ACS-GW-MW11-30	Acetone 2-Butanone	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P	Continuing calibration (RRF)
ME0710076	ACS-GW-TB01-30 ACS-GW-Dup01-30 ACS-GW-MW58-30 ACS-GW-MW59-30 ACS-GW-MW17-30 ACS-GW-MW28-30 ACS-GW-MW56-30 ACS-GW-EB01-30 ACS-GW-MW11-30	Bromoform	None	P	Continuing calibration (RRF)

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-TB01-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710076-01
Collection Date: 10/01/07 09:00
Date Received: 10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	*0.0022*	0.0020	0.050	J	mg/L	1	10/09/07 19:56	J
Benzene	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 19:56	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/09/07 19:56	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 19:56	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/09/07 19:56	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/09/07 19:56	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/09/07 19:56	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 19:56	
Chlorobenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/09/07 19:56	
Chloroethane	A	*ND*	0.00080	0.010		mg/L	1	10/09/07 19:56	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/09/07 19:56	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/09/07 19:56	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/09/07 19:56	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 19:56	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 19:56	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 19:56	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 19:56	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 19:56	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 19:56	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/09/07 19:56	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 19:56	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/09/07 19:56	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/09/07 19:56	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/09/07 19:56	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/09/07 19:56	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/09/07 19:56	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/09/07 19:56	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 19:56	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 19:56	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 19:56	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/09/07 19:56	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 19:56	
Vinyl chloride	A	*ND*	0.00040	0.010		mg/L	1	10/09/07 19:56	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 19:56	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 19:56	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/09/07 19:56	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/09/07 19:56	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/09/07 19:56	
Surr: 4-Bromofluorobenzene	S	88.1	0	74.3-123		%REC	1	10/09/07 19:56	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-TB01-30	**Work Order / ID:**	ME0710076-01
Sample Description:		**Collection Date:**	10/01/07 09:00
Sample Matrix:	Aqueous	**Date Received:**	10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	104	0	84.9-118		%REC	1	10/09/07 19:56
Surr: 1,2-Dichloroethane-d4	S	107	0	77.9-126		%REC	1	10/09/07 19:56
Surr: Toluene-d8	S	98.4	0	80.8-118		%REC	1	10/09/07 19:56

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-Dup01-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710076-02
Collection Date: 10/01/07 10:00
Date Received: 10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/09/07 20:28	UJ
Benzene	A	*0.22*	0.0030	0.050		mg/L	10	10/10/07 13:43	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/09/07 20:28	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 20:28	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/09/07 20:28	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/09/07 20:28	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/09/07 20:28	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 20:28	
Chlorobenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/09/07 20:28	
Chloroethane	A	*0.0019*	0.00080	0.010	J	mg/L	1	10/09/07 20:28	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/09/07 20:28	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/09/07 20:28	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/09/07 20:28	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 20:28	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 20:28	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 20:28	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 20:28	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 20:28	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 20:28	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/09/07 20:28	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 20:28	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/09/07 20:28	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/09/07 20:28	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/09/07 20:28	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/09/07 20:28	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/09/07 20:28	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/09/07 20:28	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 20:28	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 20:28	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 20:28	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/09/07 20:28	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 20:28	
Vinyl chloride	A	*ND*	0.00040	0.010		mg/L	1	10/09/07 20:28	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 20:28	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 20:28	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/09/07 20:28	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/09/07 20:28	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/09/07 20:28	
Surr: 4-Bromofluorobenzene	S	90.0	0	74.3-123		%REC	1	10/09/07 20:28	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-Dup01-30	**Work Order / ID:**	ME0710076-02
Sample Description:		**Collection Date:**	10/01/07 10:00
Sample Matrix:	Aqueous	**Date Received:**	10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	101	0	84.9-118		%REC	1	10/09/07 20:28
Surr: 1,2-Dichloroethane-d4	S	102	0	77.9-126		%REC	1	10/09/07 20:28
Surr: Toluene-d8	S	98.4	0	80.8-118		%REC	1	10/09/07 20:28

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW58-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710076-03
Collection Date: 10/01/07 11:20
Date Received: 10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	*0.011*	0.0020	0.050	J	mg/L	1	10/09/07 21:00	0.050U BJ
Benzene	A	ND	0.00030	0.0050		mg/L	1	10/09/07 21:00	
Bromodichloromethane	A	ND	0.00050	0.0050		mg/L	1	10/09/07 21:00	
Bromoform	A	ND	0.00040	0.0050		mg/L	1	10/09/07 21:00	
Bromomethane	A	ND	0.00060	0.010		mg/L	1	10/09/07 21:00	
2-Butanone	A	ND	0.0015	0.010		mg/L	1	10/09/07 21:00	UJ
Carbon Disulfide	A	ND	0.00040	0.010		mg/L	1	10/09/07 21:00	
Carbon tetrachloride	A	ND	0.00030	0.0050		mg/L	1	10/09/07 21:00	
Chlorobenzene	A	ND	0.00020	0.0050		mg/L	1	10/09/07 21:00	
Chloroethane	A	ND	0.00080	0.010		mg/L	1	10/09/07 21:00	
Chloroform	A	ND	0.00070	0.0050		mg/L	1	10/09/07 21:00	
Chloromethane	A	ND	0.00030	0.010		mg/L	1	10/09/07 21:00	
Dibromochloromethane	A	ND	0.00060	0.0050		mg/L	1	10/09/07 21:00	
1,1-Dichloroethane	A	ND	0.00030	0.0050		mg/L	1	10/09/07 21:00	
1,2-Dichloroethane	A	ND	0.00040	0.0050		mg/L	1	10/09/07 21:00	
1,1-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/09/07 21:00	
cis-1,2-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/09/07 21:00	
trans-1,2-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/09/07 21:00	
1,2-Dichloropropane	A	ND	0.00030	0.0050		mg/L	1	10/09/07 21:00	
trans-1,3-Dichloropropene	A	ND	0.00060	0.0050		mg/L	1	10/09/07 21:00	
cis-1,3-Dichloropropene	A	ND	0.00030	0.0050		mg/L	1	10/09/07 21:00	
Ethylbenzene	A	ND	0.00020	0.0050		mg/L	1	10/09/07 21:00	
2-Hexanone	A	ND	0.0011	0.010		mg/L	1	10/09/07 21:00	
4-Methyl-2-Pentanone	A	ND	0.00080	0.0050		mg/L	1	10/09/07 21:00	
Methylene chloride	A	ND	0.00070	0.010		mg/L	1	10/09/07 21:00	
Styrene	A	ND	0.00020	0.0050		mg/L	1	10/09/07 21:00	
1,1,2,2-Tetrachloroethane	A	ND	0.00070	0.0050		mg/L	1	10/09/07 21:00	
Tetrachloroethene	A	ND	0.00040	0.0050		mg/L	1	10/09/07 21:00	
Toluene	A	ND	0.00030	0.0050		mg/L	1	10/09/07 21:00	
1,1,1-Trichloroethane	A	ND	0.00030	0.0050		mg/L	1	10/09/07 21:00	
1,1,2-Trichloroethane	A	ND	0.00070	0.0050		mg/L	1	10/09/07 21:00	
Trichloroethene	A	ND	0.00030	0.0050		mg/L	1	10/09/07 21:00	
Vinyl chloride	A	ND	0.00040	0.010		mg/L	1	10/09/07 21:00	
Total Xylenes	A	ND	0.00030	0.0050		mg/L	1	10/09/07 21:00	
1,2,4-Trichlorobenzene	A	ND	0.00030	0.0050		mg/L	1	10/09/07 21:00	UJ
1,2-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/09/07 21:00	
1,3-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/09/07 21:00	
1,4-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/09/07 21:00	
Surr: 4-Bromofluorobenzene	S	89.9	0	74.3-123		%REC	1	10/09/07 21:00	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW58-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710076-03
Collection Date: 10/01/07 11:20
Date Received: 10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	103	0	84.9-118		%REC	1	10/09/07 21:00
Surr: 1,2-Dichloroethane-d4	S	104	0	77.9-126		%REC	1	10/09/07 21:00
Surr: Toluene-d8	S	98.9	0	80.8-118		%REC	1	10/09/07 21:00

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW59-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710076-04
Collection Date: 10/01/07 12:00
Date Received: 10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	*0.0044*	0.0020	0.050	J	mg/L	1	10/09/07 21:32	0.0044 BJ
Benzene	A	ND	0.00030	0.0050		mg/L	1	10/09/07 21:32	
Bromodichloromethane	A	ND	0.00050	0.0050		mg/L	1	10/09/07 21:32	
Bromoform	A	ND	0.00040	0.0050		mg/L	1	10/09/07 21:32	
Bromomethane	A	ND	0.00060	0.010		mg/L	1	10/09/07 21:32	
2-Butanone	A	ND	0.0015	0.010		mg/L	1	10/09/07 21:32	UJ
Carbon Disulfide	A	ND	0.00040	0.010		mg/L	1	10/09/07 21:32	
Carbon tetrachloride	A	ND	0.00030	0.0050		mg/L	1	10/09/07 21:32	
Chlorobenzene	A	ND	0.00020	0.0050		mg/L	1	10/09/07 21:32	
Chloroethane	A	ND	0.00080	0.010		mg/L	1	10/09/07 21:32	
Chloroform	A	ND	0.00070	0.0050		mg/L	1	10/09/07 21:32	
Chloromethane	A	ND	0.00030	0.010		mg/L	1	10/09/07 21:32	
Dibromochloromethane	A	ND	0.00060	0.0050		mg/L	1	10/09/07 21:32	
1,1-Dichloroethane	A	ND	0.00030	0.0050		mg/L	1	10/09/07 21:32	
1,2-Dichloroethane	A	ND	0.00040	0.0050		mg/L	1	10/09/07 21:32	
1,1-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/09/07 21:32	
cis-1,2-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/09/07 21:32	
trans-1,2-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/09/07 21:32	
1,2-Dichloropropane	A	ND	0.00030	0.0050		mg/L	1	10/09/07 21:32	
trans-1,3-Dichloropropene	A	ND	0.00060	0.0050		mg/L	1	10/09/07 21:32	
cis-1,3-Dichloropropene	A	ND	0.00030	0.0050		mg/L	1	10/09/07 21:32	
Ethylbenzene	A	ND	0.00020	0.0050		mg/L	1	10/09/07 21:32	
2-Hexanone	A	ND	0.0011	0.010		mg/L	1	10/09/07 21:32	
4-Methyl-2-Pentanone	A	ND	0.00080	0.0050		mg/L	1	10/09/07 21:32	
Methylene chloride	A	ND	0.00070	0.010		mg/L	1	10/09/07 21:32	
Styrene	A	ND	0.00020	0.0050		mg/L	1	10/09/07 21:32	
1,1,2,2-Tetrachloroethane	A	ND	0.00070	0.0050		mg/L	1	10/09/07 21:32	
Tetrachloroethene	A	ND	0.00040	0.0050		mg/L	1	10/09/07 21:32	
Toluene	A	ND	0.00030	0.0050		mg/L	1	10/09/07 21:32	
1,1,1-Trichloroethane	A	ND	0.00030	0.0050		mg/L	1	10/09/07 21:32	
1,1,2-Trichloroethane	A	ND	0.00070	0.0050		mg/L	1	10/09/07 21:32	
Trichloroethene	A	ND	0.00030	0.0050		mg/L	1	10/09/07 21:32	
Vinyl chloride	A	ND	0.00040	0.010		mg/L	1	10/09/07 21:32	
Total Xylenes	A	ND	0.00030	0.0050		mg/L	1	10/09/07 21:32	
1,2,4-Trichlorobenzene	A	ND	0.00030	0.0050		mg/L	1	10/09/07 21:32	UJ
1,2-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/09/07 21:32	
1,3-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/09/07 21:32	
1,4-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/09/07 21:32	
Surr: 4-Bromofluorobenzene	S	90.5	0	74.3-123		%REC	1	10/09/07 21:32	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW59-30	**Work Order / ID:**	ME0710076-04
Sample Description:		**Collection Date:**	10/01/07 12:00
Sample Matrix:	Aqueous	**Date Received:**	10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	105	0	84.9-118		%REC	1	10/09/07 21:32
Surr: 1,2-Dichloroethane-d4	S	107	0	77.9-126		%REC	1	10/09/07 21:32
Surr: Toluene-d8	S	98.9	0	80.8-118		%REC	1	10/09/07 21:32

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW17-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710076-05
Collection Date: 10/01/07 14:30
Date Received: 10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/09/07 22:04	UJ
Benzene	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 22:04	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/09/07 22:04	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 22:04	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/09/07 22:04	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/09/07 22:04	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/09/07 22:04	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 22:04	
Chlorobenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/09/07 22:04	
Chloroethane	A	*ND*	0.00080	0.010		mg/L	1	10/09/07 22:04	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/09/07 22:04	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/09/07 22:04	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/09/07 22:04	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 22:04	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 22:04	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 22:04	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 22:04	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 22:04	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 22:04	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/09/07 22:04	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 22:04	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/09/07 22:04	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/09/07 22:04	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/09/07 22:04	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/09/07 22:04	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/09/07 22:04	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/09/07 22:04	
Tetrachloroethene	A	*0.00093*	0.00040	0.0050	J	mg/L	1	10/09/07 22:04	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 22:04	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 22:04	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/09/07 22:04	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 22:04	
Vinyl chloride	A	*ND*	0.00040	0.010		mg/L	1	10/09/07 22:04	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 22:04	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 22:04	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/09/07 22:04	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/09/07 22:04	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/09/07 22:04	
Surr: 4-Bromofluorobenzene	S	93.3	0	74.3-123		%REC	1	10/09/07 22:04	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW17-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710076-05
Collection Date: 10/01/07 14:30
Date Received: 10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	106	0	84.9-118		%REC	1	10/09/07 22:04
Surr: 1,2-Dichloroethane-d4	S	108	0	77.9-126		%REC	1	10/09/07 22:04
Surr: Toluene-d8	S	97.7	0	80.8-118		%REC	1	10/09/07 22:04

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW28-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710076-06
Collection Date: 10/01/07 14:55
Date Received: 10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	ND	0.0020	0.050		mg/L	1	10/09/07 22:36	UJ
Benzene	A	ND	0.00030	0.0050		mg/L	1	10/09/07 22:36	
Bromodichloromethane	A	ND	0.00050	0.0050		mg/L	1	10/09/07 22:36	
Bromoform	A	ND	0.00040	0.0050		mg/L	1	10/09/07 22:36	
Bromomethane	A	ND	0.00060	0.010		mg/L	1	10/09/07 22:36	
2-Butanone	A	ND	0.0015	0.010		mg/L	1	10/09/07 22:36	UJ
Carbon Disulfide	A	ND	0.00040	0.010		mg/L	1	10/09/07 22:36	
Carbon tetrachloride	A	ND	0.00030	0.0050		mg/L	1	10/09/07 22:36	
Chlorobenzene	A	ND	0.00020	0.0050		mg/L	1	10/09/07 22:36	
Chloroethane	A	ND	0.00080	0.010		mg/L	1	10/09/07 22:36	
Chloroform	A	ND	0.00070	0.0050		mg/L	1	10/09/07 22:36	
Chloromethane	A	ND	0.00030	0.010		mg/L	1	10/09/07 22:36	
Dibromochloromethane	A	ND	0.00060	0.0050		mg/L	1	10/09/07 22:36	
1,1-Dichloroethane	A	ND	0.00030	0.0050		mg/L	1	10/09/07 22:36	
1,2-Dichloroethane	A	ND	0.00040	0.0050		mg/L	1	10/09/07 22:36	
1,1-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/09/07 22:36	
cis-1,2-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/09/07 22:36	
trans-1,2-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/09/07 22:36	
1,2-Dichloropropane	A	ND	0.00030	0.0050		mg/L	1	10/09/07 22:36	
trans-1,3-Dichloropropene	A	ND	0.00060	0.0050		mg/L	1	10/09/07 22:36	
cis-1,3-Dichloropropene	A	ND	0.00030	0.0050		mg/L	1	10/09/07 22:36	
Ethylbenzene	A	ND	0.00020	0.0050		mg/L	1	10/09/07 22:36	
2-Hexanone	A	ND	0.0011	0.010		mg/L	1	10/09/07 22:36	
4-Methyl-2-Pentanone	A	ND	0.00080	0.0050		mg/L	1	10/09/07 22:36	
Methylene chloride	A	ND	0.00070	0.010		mg/L	1	10/09/07 22:36	
Styrene	A	ND	0.00020	0.0050		mg/L	1	10/09/07 22:36	
1,1,2,2-Tetrachloroethane	A	ND	0.00070	0.0050		mg/L	1	10/09/07 22:36	
Tetrachloroethene	A	ND	0.00040	0.0050		mg/L	1	10/09/07 22:36	
Toluene	A	ND	0.00030	0.0050		mg/L	1	10/09/07 22:36	
1,1,1-Trichloroethane	A	ND	0.00030	0.0050		mg/L	1	10/09/07 22:36	
1,1,2-Trichloroethane	A	ND	0.00070	0.0050		mg/L	1	10/09/07 22:36	
Trichloroethene	A	ND	0.00030	0.0050		mg/L	1	10/09/07 22:36	
Vinyl chloride	A	ND	0.00040	0.010		mg/L	1	10/09/07 22:36	
Total Xylenes	A	ND	0.00030	0.0050		mg/L	1	10/09/07 22:36	
1,2,4-Trichlorobenzene	A	ND	0.00030	0.0050		mg/L	1	10/09/07 22:36	UJ
1,2-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/09/07 22:36	
1,3-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/09/07 22:36	
1,4-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/09/07 22:36	
Surr: 4-Bromofluorobenzene	S	90.4	0	74.3-123		%REC	1	10/09/07 22:36	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW28-30	**Work Order / ID:**	ME0710076-06
Sample Description:		**Collection Date:**	10/01/07 14:55
Sample Matrix:	Aqueous	**Date Received:**	10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	104	0	84.9-118		%REC	1	10/09/07 22:36
Surr: 1,2-Dichloroethane-d4	S	107	0	77.9-126		%REC	1	10/09/07 22:36
Surr: Toluene-d8	S	98.5	0	80.8-118		%REC	1	10/09/07 22:36

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW56-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710076-07
Collection Date: 10/01/07 16:45
Date Received: 10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/09/07 23:08	UJ
Benzene	A	*0.22*	0.0030	0.050		mg/L	10	10/10/07 14:15	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/09/07 23:08	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 23:08	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/09/07 23:08	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/09/07 23:08	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/09/07 23:08	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 23:08	
Chlorobenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/09/07 23:08	
Chloroethane	A	*0.0018*	0.00080	0.010	J	mg/L	1	10/09/07 23:08	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/09/07 23:08	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/09/07 23:08	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/09/07 23:08	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 23:08	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 23:08	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 23:08	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 23:08	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 23:08	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 23:08	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/09/07 23:08	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 23:08	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/09/07 23:08	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/09/07 23:08	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/09/07 23:08	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/09/07 23:08	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/09/07 23:08	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/09/07 23:08	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/09/07 23:08	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 23:08	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 23:08	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/09/07 23:08	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 23:08	
Vinyl chloride	A	*ND*	0.00040	0.010		mg/L	1	10/09/07 23:08	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 23:08	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/09/07 23:08	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/09/07 23:08	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/09/07 23:08	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/09/07 23:08	
Surr: 4-Bromofluorobenzene	S	89.1	0	74.3-123		%REC	1	10/09/07 23:08	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW56-30	**Work Order / ID:**	ME0710076-07
Sample Description:		**Collection Date:**	10/01/07 16:45
Sample Matrix:	Aqueous	**Date Received:**	10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	102	0	84.9-118		%REC	1	10/09/07 23:08
Surr: 1,2-Dichloroethane-d4	S	103	0	77.9-126		%REC	1	10/09/07 23:08
Surr: Toluene-d8	S	98.1	0	80.8-118		%REC	1	10/09/07 23:08

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-EB01-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710076-08
Collection Date: 10/01/07 17:00
Date Received: 10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	***0.0033***	0.0020	0.050	J	mg/L	1	10/09/07 23:40	0.050UBJ
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:40	
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/09/07 23:40	
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 23:40	
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/09/07 23:40	
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/09/07 23:40	UJ
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/09/07 23:40	
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:40	
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 23:40	
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/09/07 23:40	
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 23:40	
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/09/07 23:40	
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/09/07 23:40	
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:40	
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 23:40	
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 23:40	
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 23:40	
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 23:40	
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:40	
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/09/07 23:40	
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:40	
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 23:40	
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/09/07 23:40	
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/09/07 23:40	
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/09/07 23:40	
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/09/07 23:40	
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 23:40	
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/09/07 23:40	
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:40	
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:40	
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/09/07 23:40	
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:40	
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/09/07 23:40	
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:40	
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/09/07 23:40	UJ
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 23:40	
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 23:40	
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/09/07 23:40	
Surr: 4-Bromofluorobenzene	S	88.8	0	74.3-123		%REC	1	10/09/07 23:40	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-EB01-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710076-08
Collection Date: 10/01/07 17:00
Date Received: 10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	105	0	84.9-118		%REC	1	10/09/07 23:40
Surr: 1,2-Dichloroethane-d4	S	107	0	77.9-126		%REC	1	10/09/07 23:40
Surr: Toluene-d8	S	97.6	0	80.8-118		%REC	1	10/09/07 23:40

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW11-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710076-09
Collection Date: 10/01/07 17:05
Date Received: 10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	ND	0.0020	0.050		mg/L	1	10/10/07 00:12	UJ
Benzene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 00:12	
Bromodichloromethane	A	ND	0.00050	0.0050		mg/L	1	10/10/07 00:12	
Bromoform	A	ND	0.00040	0.0050		mg/L	1	10/10/07 00:12	
Bromomethane	A	ND	0.00060	0.010		mg/L	1	10/10/07 00:12	
2-Butanone	A	ND	0.0015	0.010		mg/L	1	10/10/07 00:12	UJ
Carbon Disulfide	A	ND	0.00040	0.010		mg/L	1	10/10/07 00:12	
Carbon tetrachloride	A	ND	0.00030	0.0050		mg/L	1	10/10/07 00:12	
Chlorobenzene	A	ND	0.00020	0.0050		mg/L	1	10/10/07 00:12	
Chloroethane	A	ND	0.00080	0.010		mg/L	1	10/10/07 00:12	
Chloroform	A	ND	0.00070	0.0050		mg/L	1	10/10/07 00:12	
Chloromethane	A	ND	0.00030	0.010		mg/L	1	10/10/07 00:12	
Dibromochloromethane	A	ND	0.00060	0.0050		mg/L	1	10/10/07 00:12	
1,1-Dichloroethane	A	ND	0.00030	0.0050		mg/L	1	10/10/07 00:12	
1,2-Dichloroethane	A	ND	0.00040	0.0050		mg/L	1	10/10/07 00:12	
1,1-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/10/07 00:12	
cis-1,2-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/10/07 00:12	
trans-1,2-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/10/07 00:12	
1,2-Dichloropropane	A	ND	0.00030	0.0050		mg/L	1	10/10/07 00:12	
trans-1,3-Dichloropropene	A	ND	0.00060	0.0050		mg/L	1	10/10/07 00:12	
cis-1,3-Dichloropropene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 00:12	
Ethylbenzene	A	ND	0.00020	0.0050		mg/L	1	10/10/07 00:12	
2-Hexanone	A	ND	0.0011	0.010		mg/L	1	10/10/07 00:12	
4-Methyl-2-Pentanone	A	ND	0.00080	0.0050		mg/L	1	10/10/07 00:12	
Methylene chloride	A	ND	0.00070	0.010		mg/L	1	10/10/07 00:12	
Styrene	A	ND	0.00020	0.0050		mg/L	1	10/10/07 00:12	
1,1,2,2-Tetrachloroethane	A	ND	0.00070	0.0050		mg/L	1	10/10/07 00:12	
Tetrachloroethene	A	ND	0.00040	0.0050		mg/L	1	10/10/07 00:12	
Toluene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 00:12	
1,1,1-Trichloroethane	A	ND	0.00030	0.0050		mg/L	1	10/10/07 00:12	
1,1,2-Trichloroethane	A	ND	0.00070	0.0050		mg/L	1	10/10/07 00:12	
Trichloroethene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 00:12	
Vinyl chloride	A	ND	0.00040	0.010		mg/L	1	10/10/07 00:12	
Total Xylenes	A	ND	0.00030	0.0050		mg/L	1	10/10/07 00:12	
1,2,4-Trichlorobenzene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 00:12	UJ
1,2-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/10/07 00:12	
1,3-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/10/07 00:12	
1,4-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/10/07 00:12	
Surr: 4-Bromofluorobenzene	S	88.7	0	74.3-123		%REC	1	10/10/07 00:12	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW11-30	**Work Order / ID:**	ME0710076-09
Sample Description:		**Collection Date:**	10/01/07 17:05
Sample Matrix:	Aqueous	**Date Received:**	10/02/07 10:40

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	107	0	84.9-118		%REC	1	10/10/07 00:12
Surr: 1,2-Dichloroethane-d4	S	109	0	77.9-126		%REC	1	10/10/07 00:12
Surr: Toluene-d8	S	97.6	0	80.8-118		%REC	1	10/10/07 00:12

ACS 89
Volatiles - Laboratory Blank Data Qualification Summary - SDG ME0710076

No Sample Data Qualified in this SDG

ACS 89
Volatiles - Field Blank Data Qualification Summary - SDG ME0710076

SDG	Sample	Compound	Modified Final Concentration	A or P
ME0710076	ACS-GW-MW58-30	Acetone	0.050UB mg/L	A
ME0710076	ACS-GW-MW59-30	Acetone	0.050UB mg/L	A
ME0710076	ACS-GW-EB01-30	Acetone	0.050UB mg/L	A

LDC #: 17893A1
SDG #: ME0710076
Laboratory: Microbac

VALIDATION COMPLETENESS WORKSHEET
Level III

Date: 11/29/07
Page: 1 of 1
Reviewer: VK
2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 10/1/07
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	SW	
IV.	Continuing calibration	SW	
V.	Blanks	SW	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	~~ACS-GW-MW17-30 (SDG ME0710076)~~
VIII.	Laboratory control samples	A	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N ~~SW~~	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	D= 2+7
XVII.	Field blanks	SW	TB=1 EB=8

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: ALL Hx0's

1 1	ACS-GW-TB01-30	11 1	ACS-GW-MW17-30MSD	21		31	
2 1/2	ACS-GW-Dup01-30	12 1	MBLK W-25 10/8/07	22		32	
3 1	ACS-GW-MW58-30	13 2	MBLK W-25 10/10/07	23		33	
4 1	ACS-GW-MW59-30	14		24		34	
5 1	ACS-GW-MW17-30	15		25		35	
6 1	ACS-GW-MW28-30	16		26		36	
7 1/2	ACS-GW-MW56-30	17		27		37	
8 1	ACS-GW-EB01-30	18		28		38	
9 1	ACS-GW-MW11-30	19		29		39	
10 1	ACS-GW-MW17-30MS	20		30		40	

TARGET COMPOUND WORKSHEET

METHOD: VOA (EPA SW 846 Method 8260B)

A. Chloromethane*	U. 1,1,2-Trichloroethane	OO. 2,2-Dichloropropane	III. n-Butylbenzene	CCCC.1-Chlorohexane
B. Bromomethane	V. Benzene	PP. Bromochloromethane	JJJ. 1,2-Dichlorobenzene	DDDD. Isopropyl alcohol
C. Vinyl choride**	W. trans-1,3-Dichloropropene	QQ. 1,1-Dichloropropene	KKK. 1,2,4-Trichlorobenzene	EEEE. Acetonitrile
D. Chloroethane	X. Bromoform*	RR. Dibromomethane	LLL. Hexachlorobutadiene	FFFF. Acrolein
E. Methylene chloride	Y. 4-Methyl-2-pentanone	SS. 1,3-Dichloropropane	MMM. Naphthalene	GGGG. Acrylonitrile
F. Acetone	Z. 2-Hexanone	TT. 1,2-Dibromoethane	NNN. 1,2,3-Trichlorobenzene	HHHH. 1,4-Dioxane
G. Carbon disulfide	AA. Tetrachloroethene	UU. 1,1,1,2-Tetrachloroethane	OOO. 1,3,5-Trichlorobenzene	IIII. Isobutyl alcohol
H. 1,1-Dichloroethene**	BB. 1,1,2,2-Tetrachloroethane*	VV. Isopropylbenzene	PPP. trans-1,2-Dichloroethene	JJJJ. Methacrylonitrile
I. 1,1-Dichloroethane*	CC. Toluene**	WW. Bromobenzene	QQQ. cis-1,2-Dichloroethene	KKKK. Propionitrile
J. 1,2-Dichloroethene, total	DD. Chlorobenzene*	XX. 1,2,3-Trichloropropane	RRR. m,p-Xylenes	LLLL. Ethyl ether
K. Chloroform**	EE. Ethylbenzene**	YY. n-Propylbenzene	SSS. o-Xylene	MMMM. Benzyl chloride
L. 1,2-Dichloroethane	FF. Styrene	ZZ. 2-Chlorotoluene	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	NNNN.
M. 2-Butanone	GG. Xylenes, total	AAA. 1,3,5-Trimethylbenzene	UUU. 1,2-Dichlorotetrafluoroethane	OOOO.
N. 1,1,1-Trichloroethane	HH. Vinyl acetate	BBB. 4-Chlorotoluene	VVV. 4-Ethyltoluene	PPPP.
O. Carbon tetrachloride	II. 2-Chloroethylvinyl ether	CCC. tert-Butylbenzene	WWW. Ethanol	QQQQ.
P. Bromodichloromethane	JJ. Dichlorodifluoromethane	DDD. 1,2,4-Trimethylbenzene	XXX. Di-isopropyl ether	RRRR.
Q. 1,2-Dichloropropane**	KK. Trichlorofluoromethane	EEE. sec-Butylbenzene	YYY. tert-Butanol	SSSS.
R. cis-1,3-Dichloropropene	LL. Methyl-tert-butyl ether	FFF. 1,3-Dichlorobenzene	ZZZ. tert-Butyl alcohol	TTTT.
S. Trichloroethene	MM. 1,2-Dibromo-3-chloropropane	GGG. p-Isopropyltoluene	AAAA. Ethyl tert-butyl ether	UUUU.
T. Dibromochloromethane	NN. Methyl ethyl ketone	HHH. 1,4-Dichlorobenzene	BBBB. tert-Amyl methyl ether	VVVV.

* = System performance check compounds (SPCC) for RRF ; ** = Calibration check compounds (CCC) for %RSD.

LDC #: 17893A1
SDG #: MED710076

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Reviewer: VH
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A	Did the laboratory perform a 5 point calibration prior to sample analysis?
Y (N) N/A	Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?
Y (N) N/A	Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?________
Y N (N/A)	Did the initial calibration meet the acceptance criteria?
Y (N) N/A	Were all %RSDs and RRFs within the validation criteria of ≤30 %RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: <30.0%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
	10/06/07	ICAL	KKK	31.20		ALL, BLKS	J/UJ/A
			F		0.024	↓	↓ /P
			M		0.007	↓	↓ /P
			X		0.082 (SPCC <0.10)	↓	None/P

INICAL 1SB

LDC #: 17893A1
SDG #: ME0710076

VALIDATION FINDINGS WORKSHEET
Blanks

Page: 1 of 1
Reviewer: VA
2nd Reviewer: L

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a method blank associated with every sample in this SDG?
Y N N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?
Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank analysis date: 10/9/07
Conc. units: ug/L
Associated Samples: All ~~1-79~~ (ND)

Compound	Blank ID	Sample Identification								
	MBLK 10/08/0									
Methylene chloride	0.79									
Acetone										
CRQL										

Blank analysis date: _____
Conc. units: _____
Associated Samples: _____

Compound	Blank ID	Sample Identification								
Methylene chloride										
Acetone										
CRQL										

All results were qualified using the criteria stated below except those circled.

Note: Common contaminants such as Methylene chloride, Acetone, 2-Butanone, Carbon disulfide and TICs that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 17893A1
SDG #: ME0710076

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: VR
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Y N /N/A Were field blanks identified in this SDG?
Y N N/A Were target compounds detected in the field blanks?

Blank units: mg/L **Associated sample units:** mg/L
Field blank type: (circle one) Field Blank / Rinsate / (Trip Blank) / Other: Associated Samples: 2 → 9

Compound	Blank ID 1	Blank ID	Sample Identification							
	10/01/07		3	4	8					
Methylene chloride										
Acetone	0.0022		0.011/UB 0.050 UB	0.0044/UB 0.050 UB	0.0033/UB 0.050 UB					
Chloroform										
CRQL										

Blank units: mg/L **Associated sample units:** mg/L
Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: (FB) Associated Samples: 2 → 7, 9

Compound	Blank ID 8	Blank ID	Sample Identification							
	10/01/07		3	4						
Methylene chloride										
Acetone	0.0033		0.011/UB 0.050 UB	0.0044/UB 0.050 UB						
Chloroform										
CRQL										

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 17893A1
SDG #: ME0710076

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: VH
2nd reviewer: JV

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (mg/L)		RPD
	2	7	
P V	0.22	0.22	0
D	0.0019	0.0018	5

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: ACS 89

Collection Date: October 2, 2007

LDC Report Date: December 13, 2007

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III

Laboratory: Microbac

Sample Delivery Group (SDG): ME0710172

Sample Identification

ACS-GW-TB02-30
ACS-GW-MW42-30
ACS-GW-MW43-30
ACS-GW-MW45-30
ACS-GW-MW19-30
ACS-GW-DUP02-30
ACS-GW-MW10C-30
ACS-GW-MW08-30
ACS-GW-MW55-30
ACS-GW-MW54R-30
ACS-GW-EB02-30
ACS-GW-MW45-30MS
ACS-GW-MW45-30MSD

Introduction

This data review covers 13 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8260B for Volatiles.

The review follows the Remedial Design/Remedial Action PRP - Lead Project Quality Assurance Project Plan (November 2001, Rev. 0) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XIV.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

B Compound or analyte was positively detected in a sample and in an associated blank.

UB Compound or analyte is not detected at or above the indicated concentration due to blank contamination.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%RSD	Associated Samples	Flag	A or P
10/6/07	1,2,4-Trichlorobenzene	31.20	All samples in SDG ME0710172	J (all detects) UJ (all non-detects)	A

Average relative response factors (RRF) for all volatile target compounds and system performance check compounds (SPCCs) were within method and validation criteria with the following exceptions:

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
10/6/07	Acetone 2-Butanone	0.024 (≥0.05) 0.007 (≥0.05)	All samples in SDG ME0710172	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P
10/6/07	Bromoform	0.082 (≥0.100)	All samples in SDG ME0710172	None	P

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were within validation criteria with the following exceptions:

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
10/10/07 (b101002)	Acetone 2-Butanone	0.024 (≥0.05) 0.007 (≥0.05)	MBLKW-25 10/10/07	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P
10/10/07 (b101002)	Bromoform	0.078 (≥0.10)	MBLKW-25 10/10/07	None	P
10/10/07 (b101019)	Acetone 2-Butanone	0.023 (≥0.05) 0.006 (≥0.05)	ACS-GW-TB02-30 ACS-GW-MW42-30 ACS-GW-MW43-30 ACS-GW-MW19-30 ACS-GW-DUP02-30 ACS-GW-MW10C-30 ACS-GW-MW08-30 ACS-GW-MW55-30 ACS-GW-MW54R-30	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P
10/10/07 (b101019)	Bromoform	0.073 (≥0.10)	ACS-GW-TB02-30 ACS-GW-MW42-30 ACS-GW-MW43-30 ACS-GW-MW19-30 ACS-GW-DUP02-30 ACS-GW-MW10C-30 ACS-GW-MW08-30 ACS-GW-MW55-30 ACS-GW-MW54R-30	None	P
10/11/07 (b101103)	Acetone 2-Butanone	0.024 (≥0.05) 0.008 (≥0.05)	ACS-GW-MW45-30 ACS-GW-EB02-30 ACS-GW-MW45-30MS ACS-GW-MW45-30MSD MBLKW-25 10/11/07	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
10/11/07 (b101103)	Bromoform	0.085 (≥0.10)	ACS-GW-MW45-30 ACS-GW-EB02-30 ACS-GW-MW45-30MS ACS-GW-MW45-30MSD MBLKW-25 10/11/07	None	P

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks.

Sample ACS-GW-TB02-30 was identified as a trip blank. No volatile contaminants were found in this blank.

Sample ACS-GW-EB02-30 was identified as an equipment blank. No volatile contaminants were found in this blank with the following exceptions:

Equipment Blank ID	Sampling Date	Compound	Concentration	Associated Samples
ACS-GW-EB02-30	10/2/07	Acetone	0.0034 mg/L	ACS-GW-MW42-30 ACS-GW-MW43-30 ACS-GW-MW45-30 ACS-GW-MW19-30 ACS-GW-DUP02-30 ACS-GW-MW10C-30 ACS-GW-MW08-30 ACS-GW-MW55-30 ACS-GW-MW54R-30

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks with the following exceptions:

Sample	Compound	Reported Concentration	Modified Final Concentration
ACS-GW-MW54R-30	Acetone	0.0044 mg/L	0.050UB mg/L

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
ACS-GW-MW45-30MS/MSD (ACS-GW-MW45-30)	Vinyl chloride	-	-	38.7 (31.2)	J (all detects) UJ (all non-detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment of Data

Data flags have been summarized at the end of the report if data has been qualified.

XVI. Field Duplicates

Samples ACS-GW-DUP02-30 and ACS-GW-MW10C-30 were identified as field duplicates. No volatiles were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/L)		RPD
	ACS-GW-DUP02-30	ACS-GW-MW10C-30	
Benzene	0.64	0.67	4
Chloroethane	0.25	0.26	4
Vinyl chloride	0.00043	0.00041	5

ACS 89
Volatiles - Data Qualification Summary - SDG ME0710172

SDG	Sample	Compound	Flag	A or P	Reason
ME0710172	ACS-GW-TB02-30 ACS-GW-MW42-30 ACS-GW-MW43-30 ACS-GW-MW45-30 ACS-GW-MW19-30 ACS-GW-DUP02-30 ACS-GW-MW10C-30 ACS-GW-MW08-30 ACS-GW-MW55-30 ACS-GW-MW54R-30 ACS-GW-EB02-30	1,2,4-Trichlorobenzene	J (all detects) UJ (all non-detects)	A	Initial calibration (%RSD)
ME0710172	ACS-GW-TB02-30 ACS-GW-MW42-30 ACS-GW-MW43-30 ACS-GW-MW45-30 ACS-GW-MW19-30 ACS-GW-DUP02-30 ACS-GW-MW10C-30 ACS-GW-MW08-30 ACS-GW-MW55-30 ACS-GW-MW54R-30 ACS-GW-EB02-30	Acetone 2-Butanone	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Initial calibration (RRF)
ME0710172	ACS-GW-TB02-30 ACS-GW-MW42-30 ACS-GW-MW43-30 ACS-GW-MW45-30 ACS-GW-MW19-30 ACS-GW-DUP02-30 ACS-GW-MW10C-30 ACS-GW-MW08-30 ACS-GW-MW55-30 ACS-GW-MW54R-30 ACS-GW-EB02-30	Bromoform	None	P	Initial calibration (RRF)
ME0710172	ACS-GW-TB02-30 ACS-GW-MW42-30 ACS-GW-MW43-30 ACS-GW-MW19-30 ACS-GW-DUP02-30 ACS-GW-MW10C-30 ACS-GW-MW08-30 ACS-GW-MW55-30 ACS-GW-MW54R-30 ACS-GW-MW45-30 ACS-GW-EB02-30	Acetone 2-Butanone	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P	Continuing calibration (RRF)

SDG	Sample	Compound	Flag	A or P	Reason
ME0710172	ACS-GW-TB02-30 ACS-GW-MW42-30 ACS-GW-MW43-30 ACS-GW-MW19-30 ACS-GW-DUP02-30 ACS-GW-MW10C-30 ACS-GW-MW08-30 ACS-GW-MW55-30 ACS-GW-MW54R-30 ACS-GW-MW45-30 ACS-GW-EB02-30	Bromoform	None	P	Continuing calibration (RRF)
ME0710172	ACS-GW-MW45-30	Vinyl chloride	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (RPD)

ACS 89
Volatiles - Laboratory Blank Data Qualification Summary - SDG ME0710172

No Sample Data Qualified in this SDG

ACS 89
Volatiles - Field Blank Data Qualification Summary - SDG ME0710172

SDG	Sample	Compound	Modified Final Concentration	A or P
ME0710172	ACS-GW-MW54R-30	Acetone	0.050UB mg/L	A

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-TB02-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710172-01
Collection Date: 10/02/07 08:00
Date Received: 10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	ND	0.0020	0.050		mg/L	1	10/10/07 16:43	UJ
Benzene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 16:43	
Bromodichloromethane	A	ND	0.00050	0.0050		mg/L	1	10/10/07 16:43	
Bromoform	A	ND	0.00040	0.0050		mg/L	1	10/10/07 16:43	
Bromomethane	A	ND	0.00060	0.010		mg/L	1	10/10/07 16:43	
2-Butanone	A	ND	0.0015	0.010		mg/L	1	10/10/07 16:43	UJ
Carbon Disulfide	A	ND	0.00040	0.010		mg/L	1	10/10/07 16:43	
Carbon tetrachloride	A	ND	0.00030	0.0050		mg/L	1	10/10/07 16:43	
Chlorobenzene	A	ND	0.00020	0.0050		mg/L	1	10/10/07 16:43	
Chloroethane	A	ND	0.00080	0.010		mg/L	1	10/10/07 16:43	
Chloroform	A	ND	0.00070	0.0050		mg/L	1	10/10/07 16:43	
Chloromethane	A	ND	0.00030	0.010		mg/L	1	10/10/07 16:43	
Dibromochloromethane	A	ND	0.00060	0.0050		mg/L	1	10/10/07 16:43	
1,1-Dichloroethane	A	ND	0.00030	0.0050		mg/L	1	10/10/07 16:43	
1,2-Dichloroethane	A	ND	0.00040	0.0050		mg/L	1	10/10/07 16:43	
1,1-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/10/07 16:43	
cis-1,2-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/10/07 16:43	
trans-1,2-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/10/07 16:43	
1,2-Dichloropropane	A	ND	0.00030	0.0050		mg/L	1	10/10/07 16:43	
trans-1,3-Dichloropropene	A	ND	0.00060	0.0050		mg/L	1	10/10/07 16:43	
cis-1,3-Dichloropropene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 16:43	
Ethylbenzene	A	ND	0.00020	0.0050		mg/L	1	10/10/07 16:43	
2-Hexanone	A	ND	0.0011	0.010		mg/L	1	10/10/07 16:43	
4-Methyl-2-Pentanone	A	ND	0.00080	0.0050		mg/L	1	10/10/07 16:43	
Methylene chloride	A	ND	0.00070	0.010		mg/L	1	10/10/07 16:43	
Styrene	A	ND	0.00020	0.0050		mg/L	1	10/10/07 16:43	
1,1,2,2-Tetrachloroethane	A	ND	0.00070	0.0050		mg/L	1	10/10/07 16:43	
Tetrachloroethene	A	ND	0.00040	0.0050		mg/L	1	10/10/07 16:43	
Toluene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 16:43	
1,1,1-Trichloroethane	A	ND	0.00030	0.0050		mg/L	1	10/10/07 16:43	
1,1,2-Trichloroethane	A	ND	0.00070	0.0050		mg/L	1	10/10/07 16:43	
Trichloroethene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 16:43	
Vinyl chloride	A	ND	0.00040	0.010		mg/L	1	10/10/07 16:43	
Total Xylenes	A	ND	0.00030	0.0050		mg/L	1	10/10/07 16:43	
1,2,4-Trichlorobenzene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 16:43	UJ
1,2-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/10/07 16:43	
1,3-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/10/07 16:43	
1,4-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/10/07 16:43	
Surr: 4-Bromofluorobenzene	S	88.7	0	74.3-123		%REC	1	10/10/07 16:43	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-TB02-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710172-01
Collection Date: 10/02/07 08:00
Date Received: 10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	103	0	84.9-118		%REC	1	10/10/07 16:43
Surr: 1,2-Dichloroethane-d4	S	104	0	77.9-126		%REC	1	10/10/07 16:43
Surr: Toluene-d8	S	97.9	0	80.8-118		%REC	1	10/10/07 16:43

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11/05/07

ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW42-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710172-02
Collection Date: 10/02/07 09:40
Date Received: 10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: SW8260B			Prep Date/Time:				Analyst: NLT	
Acetone	A	ND	0.0020	0.050		mg/L	1	10/10/07 17:15	UJ
Benzene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 17:15	
Bromodichloromethane	A	ND	0.00050	0.0050		mg/L	1	10/10/07 17:15	
Bromoform	A	ND	0.00040	0.0050		mg/L	1	10/10/07 17:15	
Bromomethane	A	ND	0.00060	0.010		mg/L	1	10/10/07 17:15	
2-Butanone	A	ND	0.0015	0.010		mg/L	1	10/10/07 17:15	UJ
Carbon Disulfide	A	ND	0.00040	0.010		mg/L	1	10/10/07 17:15	
Carbon tetrachloride	A	ND	0.00030	0.0050		mg/L	1	10/10/07 17:15	
Chlorobenzene	A	ND	0.00020	0.0050		mg/L	1	10/10/07 17:15	
Chloroethane	A	ND	0.00080	0.010		mg/L	1	10/10/07 17:15	
Chloroform	A	ND	0.00070	0.0050		mg/L	1	10/10/07 17:15	
Chloromethane	A	ND	0.00030	0.010		mg/L	1	10/10/07 17:15	
Dibromochloromethane	A	ND	0.00060	0.0050		mg/L	1	10/10/07 17:15	
1,1-Dichloroethane	A	ND	0.00030	0.0050		mg/L	1	10/10/07 17:15	
1,2-Dichloroethane	A	ND	0.00040	0.0050		mg/L	1	10/10/07 17:15	
1,1-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/10/07 17:15	
cis-1,2-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/10/07 17:15	
trans-1,2-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/10/07 17:15	
1,2-Dichloropropane	A	ND	0.00030	0.0050		mg/L	1	10/10/07 17:15	
trans-1,3-Dichloropropene	A	ND	0.00060	0.0050		mg/L	1	10/10/07 17:15	
cis-1,3-Dichloropropene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 17:15	
Ethylbenzene	A	ND	0.00020	0.0050		mg/L	1	10/10/07 17:15	
2-Hexanone	A	ND	0.0011	0.010		mg/L	1	10/10/07 17:15	
4-Methyl-2-Pentanone	A	ND	0.00080	0.0050		mg/L	1	10/10/07 17:15	
Methylene chloride	A	ND	0.00070	0.010		mg/L	1	10/10/07 17:15	
Styrene	A	ND	0.00020	0.0050		mg/L	1	10/10/07 17:15	
1,1,2,2-Tetrachloroethane	A	ND	0.00070	0.0050		mg/L	1	10/10/07 17:15	
Tetrachloroethene	A	ND	0.00040	0.0050		mg/L	1	10/10/07 17:15	
Toluene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 17:15	
1,1,1-Trichloroethane	A	ND	0.00030	0.0050		mg/L	1	10/10/07 17:15	
1,1,2-Trichloroethane	A	ND	0.00070	0.0050		mg/L	1	10/10/07 17:15	
Trichloroethene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 17:15	
Vinyl chloride	A	ND	0.00040	0.010		mg/L	1	10/10/07 17:15	
Total Xylenes	A	ND	0.00030	0.0050		mg/L	1	10/10/07 17:15	
1,2,4-Trichlorobenzene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 17:15	UJ
1,2-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/10/07 17:15	
1,3-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/10/07 17:15	
1,4-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/10/07 17:15	
Surr: 4-Bromofluorobenzene	S	87.0	0	74.3-123		%REC	1	10/10/07 17:15	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW42-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710172-02
Collection Date: 10/02/07 09:40
Date Received: 10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	105	0	84.9-118		%REC	1	10/10/07 17:15
Surr: 1,2-Dichloroethane-d4	S	107	0	77.9-126		%REC	1	10/10/07 17:15
Surr: Toluene-d8	S	97.3	0	80.8-118		%REC	1	10/10/07 17:15

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW43-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710172-03
Collection Date: 10/02/07 10:45
Date Received: 10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/10/07 17:46	UJ
Benzene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 17:46	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/10/07 17:46	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 17:46	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/10/07 17:46	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/10/07 17:46	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/10/07 17:46	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 17:46	
Chlorobenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/10/07 17:46	
Chloroethane	A	*ND*	0.00080	0.010		mg/L	1	10/10/07 17:46	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/10/07 17:46	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/10/07 17:46	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/10/07 17:46	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 17:46	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 17:46	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 17:46	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 17:46	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 17:46	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 17:46	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/10/07 17:46	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 17:46	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/10/07 17:46	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/10/07 17:46	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/10/07 17:46	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/10/07 17:46	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/10/07 17:46	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/10/07 17:46	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 17:46	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 17:46	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 17:46	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/10/07 17:46	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 17:46	
Vinyl chloride	A	*ND*	0.00040	0.010		mg/L	1	10/10/07 17:46	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 17:46	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 17:46	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/10/07 17:46	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/10/07 17:46	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/10/07 17:46	
Surr: 4-Bromofluorobenzene	S	87.2	0	74.3-123		%REC	1	10/10/07 17:46	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW43-30	**Work Order / ID:**	ME0710172-03
Sample Description:		**Collection Date:**	10/02/07 10:45
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	105	0	84.9-118		%REC	1	10/10/07 17:46
Surr: 1,2-Dichloroethane-d4	S	105	0	77.9-126		%REC	1	10/10/07 17:46
Surr: Toluene-d8	S	98.2	0	80.8-118		%REC	1	10/10/07 17:46

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW45-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710172-04
Collection Date: 10/02/07 11:15
Date Received: 10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/11/07 10:25	UJ
Benzene	A	*0.0004*	0.00030	0.0050	J	mg/L	1	10/11/07 10:25	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/11/07 10:25	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 10:25	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/11/07 10:25	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/11/07 10:25	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/11/07 10:25	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 10:25	
Chlorobenzene	A	*0.014*	0.00020	0.0050		mg/L	1	10/11/07 10:25	
Chloroethane	A	*ND*	0.00080	0.010		mg/L	1	10/11/07 10:25	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 10:25	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/11/07 10:25	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/11/07 10:25	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 10:25	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 10:25	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 10:25	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 10:25	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 10:25	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 10:25	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/11/07 10:25	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 10:25	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 10:25	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/11/07 10:25	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/11/07 10:25	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/11/07 10:25	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 10:25	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 10:25	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 10:25	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 10:25	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 10:25	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 10:25	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 10:25	
Vinyl chloride	A	*ND*	0.00040	0.010		mg/L	1	10/11/07 10:25	UJ
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 10:25	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 10:25	UJ
1,2-Dichlorobenzene	A	*0.0018*	0.00020	0.010	J	mg/L	1	10/11/07 10:25	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 10:25	
1,4-Dichlorobenzene	A	*0.001*	0.00020	0.010	J	mg/L	1	10/11/07 10:25	
Surr: 4-Bromofluorobenzene	S	96.1	0	74.3-123		%REC	1	10/11/07 10:25	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW45-30	**Work Order / ID:**	ME0710172-04
Sample Description:		**Collection Date:**	10/02/07 11:15
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	106	0	84.9-118		%REC	1	10/11/07 10:25
Surr: 1,2-Dichloroethane-d4	S	109	0	77.9-126		%REC	1	10/11/07 10:25
Surr: Toluene-d8	S	98.5	0	80.8-118		%REC	1	10/11/07 10:25

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW19-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710172-05
Collection Date: 10/02/07 12:00
Date Received: 10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: SW8260B			Prep Date/Time:				Analyst: NLT	
Acetone	A	ND	0.0020	0.050		mg/L	1	10/10/07 18:19	UJ
Benzene	A	0.0016	0.00030	0.0050	J	mg/L	1	10/10/07 18:19	
Bromodichloromethane	A	ND	0.00050	0.0050		mg/L	1	10/10/07 18:19	
Bromoform	A	ND	0.00040	0.0050		mg/L	1	10/10/07 18:19	
Bromomethane	A	ND	0.00060	0.010		mg/L	1	10/10/07 18:19	
2-Butanone	A	ND	0.0015	0.010		mg/L	1	10/10/07 18:19	UJ
Carbon Disulfide	A	ND	0.00040	0.010		mg/L	1	10/10/07 18:19	
Carbon tetrachloride	A	ND	0.00030	0.0050		mg/L	1	10/10/07 18:19	
Chlorobenzene	A	ND	0.00020	0.0050		mg/L	1	10/10/07 18:19	
Chloroethane	A	0.0076	0.00080	0.010	J	mg/L	1	10/10/07 18:19	
Chloroform	A	ND	0.00070	0.0050		mg/L	1	10/10/07 18:19	
Chloromethane	A	ND	0.00030	0.010		mg/L	1	10/10/07 18:19	
Dibromochloromethane	A	ND	0.00060	0.0050		mg/L	1	10/10/07 18:19	
1,1-Dichloroethane	A	ND	0.00030	0.0050		mg/L	1	10/10/07 18:19	
1,2-Dichloroethane	A	ND	0.00040	0.0050		mg/L	1	10/10/07 18:19	
1,1-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/10/07 18:19	
cis-1,2-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/10/07 18:19	
trans-1,2-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/10/07 18:19	
1,2-Dichloropropane	A	ND	0.00030	0.0050		mg/L	1	10/10/07 18:19	
trans-1,3-Dichloropropene	A	ND	0.00060	0.0050		mg/L	1	10/10/07 18:19	
cis-1,3-Dichloropropene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 18:19	
Ethylbenzene	A	ND	0.00020	0.0050		mg/L	1	10/10/07 18:19	
2-Hexanone	A	ND	0.0011	0.010		mg/L	1	10/10/07 18:19	
4-Methyl-2-Pentanone	A	ND	0.00080	0.0050		mg/L	1	10/10/07 18:19	
Methylene chloride	A	ND	0.00070	0.010		mg/L	1	10/10/07 18:19	
Styrene	A	ND	0.00020	0.0050		mg/L	1	10/10/07 18:19	
1,1,2,2-Tetrachloroethane	A	ND	0.00070	0.0050		mg/L	1	10/10/07 18:19	
Tetrachloroethene	A	ND	0.00040	0.0050		mg/L	1	10/10/07 18:19	
Toluene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 18:19	
1,1,1-Trichloroethane	A	ND	0.00030	0.0050		mg/L	1	10/10/07 18:19	
1,1,2-Trichloroethane	A	ND	0.00070	0.0050		mg/L	1	10/10/07 18:19	
Trichloroethene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 18:19	
Vinyl chloride	A	ND	0.00040	0.010		mg/L	1	10/10/07 18:19	
Total Xylenes	A	ND	0.00030	0.0050		mg/L	1	10/10/07 18:19	
1,2,4-Trichlorobenzene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 18:19	UJ
1,2-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/10/07 18:19	
1,3-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/10/07 18:19	
1,4-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/10/07 18:19	
Surr: 4-Bromofluorobenzene	S	90.4	0	74.3-123		%REC	1	10/10/07 18:19	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW19-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710172-05
Collection Date: 10/02/07 12:00
Date Received: 10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	103	0	84.9-118		%REC	1	10/10/07 18:19
Surr: 1,2-Dichloroethane-d4	S	107	0	77.9-126		%REC	1	10/10/07 18:19
Surr: Toluene-d8	S	98.2	0	80.8-118		%REC	1	10/10/07 18:19

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-DUP02-30	**Work Order / ID:**	ME0710172-06
Sample Description:		**Collection Date:**	10/02/07 12:30
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/10/07 18:51	UJ
Benzene	A	*0.64*	0.0060	0.10		mg/L	20	10/10/07 23:16	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/10/07 18:51	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 18:51	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/10/07 18:51	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/10/07 18:51	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/10/07 18:51	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 18:51	
Chlorobenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/10/07 18:51	
Chloroethane	A	*0.25*	0.016	0.20		mg/L	20	10/10/07 23:16	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/10/07 18:51	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/10/07 18:51	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/10/07 18:51	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 18:51	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 18:51	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 18:51	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 18:51	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 18:51	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 18:51	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/10/07 18:51	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 18:51	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/10/07 18:51	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/10/07 18:51	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/10/07 18:51	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/10/07 18:51	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/10/07 18:51	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/10/07 18:51	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 18:51	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 18:51	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 18:51	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/10/07 18:51	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 18:51	
Vinyl chloride	A	*0.00043*	0.00040	0.010	J	mg/L	1	10/10/07 18:51	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 18:51	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 18:51	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/10/07 18:51	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/10/07 18:51	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/10/07 18:51	
Surr: 4-Bromofluorobenzene	S	87.9	0	74.3-123		%REC	1	10/10/07 18:51	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-DUP02-30	**Work Order / ID:**	ME0710172-06
Sample Description:		**Collection Date:**	10/02/07 12:30
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	98.6	0	84.9-118		%REC	1	10/10/07 18:51
Surr: 1,2-Dichloroethane-d4	S	84.9	0	77.9-126		%REC	1	10/10/07 18:51
Surr: Toluene-d8	S	99.1	0	80.8-118		%REC	1	10/10/07 18:51

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW10C-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710172-07
Collection Date: 10/02/07 14:20
Date Received: 10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/10/07 19:23	UJ
Benzene	A	*0.67*	0.0060	0.10		mg/L	20	10/10/07 23:48	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/10/07 19:23	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 19:23	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/10/07 19:23	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/10/07 19:23	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/10/07 19:23	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 19:23	
Chlorobenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/10/07 19:23	
Chloroethane	A	*0.26*	0.016	0.20		mg/L	20	10/10/07 23:48	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/10/07 19:23	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/10/07 19:23	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/10/07 19:23	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 19:23	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 19:23	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 19:23	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 19:23	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 19:23	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 19:23	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/10/07 19:23	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 19:23	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/10/07 19:23	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/10/07 19:23	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/10/07 19:23	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/10/07 19:23	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/10/07 19:23	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/10/07 19:23	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 19:23	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 19:23	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 19:23	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/10/07 19:23	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 19:23	
Vinyl chloride	A	*0.00041*	0.00040	0.010	J	mg/L	1	10/10/07 19:23	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 19:23	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 19:23	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/10/07 19:23	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/10/07 19:23	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/10/07 19:23	
Surr: 4-Bromofluorobenzene	S	88.3	0	74.3-123		%REC	1	10/10/07 19:23	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW10C-30	**Work Order / ID:**	ME0710172-07
Sample Description:		**Collection Date:**	10/02/07 14:20
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	99.1	0	84.9-118		%REC	1	10/10/07 19:23
Surr: 1,2-Dichloroethane-d4	S	85.3	0	77.9-126		%REC	1	10/10/07 19:23
Surr: Toluene-d8	S	99.0	0	80.8-118		%REC	1	10/10/07 19:23

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW08-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710172-08
Collection Date: 10/02/07 14:40
Date Received: 10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/10/07 19:55	UJ
Benzene	A	*0.00043*	0.00030	0.0050	J	mg/L	1	10/10/07 19:55	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/10/07 19:55	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 19:55	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/10/07 19:55	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/10/07 19:55	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/10/07 19:55	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 19:55	
Chlorobenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/10/07 19:55	
Chloroethane	A	*ND*	0.00080	0.010		mg/L	1	10/10/07 19:55	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/10/07 19:55	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/10/07 19:55	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/10/07 19:55	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 19:55	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 19:55	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 19:55	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 19:55	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 19:55	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 19:55	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/10/07 19:55	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 19:55	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/10/07 19:55	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/10/07 19:55	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/10/07 19:55	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/10/07 19:55	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/10/07 19:55	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/10/07 19:55	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 19:55	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 19:55	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 19:55	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/10/07 19:55	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 19:55	
Vinyl chloride	A	*ND*	0.00040	0.010		mg/L	1	10/10/07 19:55	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 19:55	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 19:55	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/10/07 19:55	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/10/07 19:55	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/10/07 19:55	
Surr: 4-Bromofluorobenzene	S	87.5	0	74.3-123		%REC	1	10/10/07 19:55	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW08-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710172-08
Collection Date: 10/02/07 14:40
Date Received: 10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	105	0	84.9-118		%REC	1	10/10/07 19:55
Surr: 1,2-Dichloroethane-d4	S	107	0	77.9-126		%REC	1	10/10/07 19:55
Surr: Toluene-d8	S	97.9	0	80.8-118		%REC	1	10/10/07 19:55

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW55-30	**Work Order / ID:**	ME0710172-09
Sample Description:		**Collection Date:**	10/02/07 16:05
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/10/07 20:27	UJ
Benzene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 20:27	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/10/07 20:27	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 20:27	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/10/07 20:27	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/10/07 20:27	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/10/07 20:27	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 20:27	
Chlorobenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/10/07 20:27	
Chloroethane	A	*ND*	0.00080	0.010		mg/L	1	10/10/07 20:27	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/10/07 20:27	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/10/07 20:27	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/10/07 20:27	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 20:27	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 20:27	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 20:27	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 20:27	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 20:27	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 20:27	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/10/07 20:27	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 20:27	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/10/07 20:27	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/10/07 20:27	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/10/07 20:27	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/10/07 20:27	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/10/07 20:27	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/10/07 20:27	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/10/07 20:27	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 20:27	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 20:27	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/10/07 20:27	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 20:27	
Vinyl chloride	A	*ND*	0.00040	0.010		mg/L	1	10/10/07 20:27	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 20:27	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/10/07 20:27	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/10/07 20:27	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/10/07 20:27	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/10/07 20:27	
Surr: 4-Bromofluorobenzene	S	87.7	0	74.3-123		%REC	1	10/10/07 20:27	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW55-30	**Work Order / ID:**	ME0710172-09
Sample Description:		**Collection Date:**	10/02/07 16:05
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	107	0	84.9-118		%REC	1	10/10/07 20:27
Surr: 1,2-Dichloroethane-d4	S	107	0	77.9-126		%REC	1	10/10/07 20:27
Surr: Toluene-d8	S	98.2	0	80.8-118		%REC	1	10/10/07 20:27

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11/05/07

ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW54R-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710172-10
Collection Date: 10/02/07 16:40
Date Received: 10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: SW8260B			Prep Date/Time:				Analyst: NLT	
Acetone	A	*0.0044*	0.0020	0.050	J	mg/L	1	10/10/07 20:59	0.050UB J
Benzene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 20:59	
Bromodichloromethane	A	ND	0.00050	0.0050		mg/L	1	10/10/07 20:59	
Bromoform	A	ND	0.00040	0.0050		mg/L	1	10/10/07 20:59	
Bromomethane	A	ND	0.00060	0.010		mg/L	1	10/10/07 20:59	
2-Butanone	A	ND	0.0015	0.010		mg/L	1	10/10/07 20:59	UG
Carbon Disulfide	A	ND	0.00040	0.010		mg/L	1	10/10/07 20:59	
Carbon tetrachloride	A	ND	0.00030	0.0050		mg/L	1	10/10/07 20:59	
Chlorobenzene	A	ND	0.00020	0.0050		mg/L	1	10/10/07 20:59	
Chloroethane	A	ND	0.00080	0.010		mg/L	1	10/10/07 20:59	
Chloroform	A	ND	0.00070	0.0050		mg/L	1	10/10/07 20:59	
Chloromethane	A	ND	0.00030	0.010		mg/L	1	10/10/07 20:59	
Dibromochloromethane	A	ND	0.00060	0.0050		mg/L	1	10/10/07 20:59	
1,1-Dichloroethane	A	ND	0.00030	0.0050		mg/L	1	10/10/07 20:59	
1,2-Dichloroethane	A	ND	0.00040	0.0050		mg/L	1	10/10/07 20:59	
1,1-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/10/07 20:59	
cis-1,2-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/10/07 20:59	
trans-1,2-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/10/07 20:59	
1,2-Dichloropropane	A	ND	0.00030	0.0050		mg/L	1	10/10/07 20:59	
trans-1,3-Dichloropropene	A	ND	0.00060	0.0050		mg/L	1	10/10/07 20:59	
cis-1,3-Dichloropropene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 20:59	
Ethylbenzene	A	ND	0.00020	0.0050		mg/L	1	10/10/07 20:59	
2-Hexanone	A	ND	0.0011	0.010		mg/L	1	10/10/07 20:59	
4-Methyl-2-Pentanone	A	ND	0.00080	0.0050		mg/L	1	10/10/07 20:59	
Methylene chloride	A	ND	0.00070	0.010		mg/L	1	10/10/07 20:59	
Styrene	A	ND	0.00020	0.0050		mg/L	1	10/10/07 20:59	
1,1,2,2-Tetrachloroethane	A	ND	0.00070	0.0050		mg/L	1	10/10/07 20:59	
Tetrachloroethene	A	ND	0.00040	0.0050		mg/L	1	10/10/07 20:59	
Toluene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 20:59	
1,1,1-Trichloroethane	A	ND	0.00030	0.0050		mg/L	1	10/10/07 20:59	
1,1,2-Trichloroethane	A	ND	0.00070	0.0050		mg/L	1	10/10/07 20:59	
Trichloroethene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 20:59	
Vinyl chloride	A	ND	0.00040	0.010		mg/L	1	10/10/07 20:59	
Total Xylenes	A	ND	0.00030	0.0050		mg/L	1	10/10/07 20:59	
1,2,4-Trichlorobenzene	A	ND	0.00030	0.0050		mg/L	1	10/10/07 20:59	
1,2-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/10/07 20:59	UG
1,3-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/10/07 20:59	
1,4-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/10/07 20:59	
Surr: 4-Bromofluorobenzene	S	87.1	0	74.3-123		%REC	1	10/10/07 20:59	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW54R-30	**Work Order / ID:**	ME0710172-10
Sample Description:		**Collection Date:**	10/02/07 16:40
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	108	0	84.9-118		%REC	1	10/10/07 20:59
Surr: 1,2-Dichloroethane-d4	S	109	0	77.9-126		%REC	1	10/10/07 20:59
Surr: Toluene-d8	S	98.3	0	80.8-118		%REC	1	10/10/07 20:59

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-EBO2-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710172-11
Collection Date: 10/02/07 17:05
Date Received: 10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	***0.0034***	0.0020	0.050	J	mg/L	1	10/11/07 10:57	J
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:57	
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/11/07 10:57	
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 10:57	
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/11/07 10:57	
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/11/07 10:57	UJ
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 10:57	
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:57	
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 10:57	
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/11/07 10:57	
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 10:57	
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/11/07 10:57	
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 10:57	
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:57	
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 10:57	
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 10:57	
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 10:57	
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 10:57	
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:57	
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 10:57	
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:57	
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 10:57	
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/11/07 10:57	
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/11/07 10:57	
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/11/07 10:57	
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 10:57	
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 10:57	
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 10:57	
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:57	
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:57	
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 10:57	
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:57	
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 10:57	
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:57	
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 10:57	UJ
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 10:57	
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 10:57	
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 10:57	
Surr: 4-Bromofluorobenzene	S	91.1	0	74.3-123		%REC	1	10/11/07 10:57	

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12/13/07

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11/05/07

ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-EBO2-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710172-11
Collection Date: 10/02/07 17:05
Date Received: 10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	104	0	84.9-118		%REC	1	10/11/07 10:57
Surr: 1,2-Dichloroethane-d4	S	108	0	77.9-126		%REC	1	10/11/07 10:57
Surr: Toluene-d8	S	101	0	80.8-118		%REC	1	10/11/07 10:57

LDC #: 17893B1
SDG #: ME0710172
Laboratory: Microbac

VALIDATION COMPLETENESS WORKSHEET
Level III

Date: 11/29/07
Page: 1 of 1
Reviewer: VA
2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 10/02/07
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	SW	
IV.	Continuing calibration	SW	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	SW	
VIII.	Laboratory control samples	A	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N ~~SW~~	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	D = 6 + 7
XVII.	Field blanks	SW ~~ND~~	TB = 1* EB = 11

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
*ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: ALL H2O'S

1 1	ACS-GW-TB02-30	11 2	ACS-GW-EB02-30	21		31	
2 1	ACS-GW-MW42-30	12 2	ACS-GW-MW45-30MS	22		32	
3 1	ACS-GW-MW43-30	13 2	ACS-GW-MW45-30MSD	23		33	
4 2	ACS-GW-MW45-30	14 1	MBLK W-25 10/10/07	24		34	
5 1	ACS-GW-MW19-30	15 2	MBLK W-25 10/11/07	25		35	
6 1	ACS-GW-DUP02-30	16		26		36	
7 1	ACS-GW-MW10C-30	17		27		37	
8 1	ACS-GW-MW08-30	18		28		38	
9 1	ACS-GW-MW55-30	19		29		39	
10 1	ACS-GW-MW54R-30	20		30		40	

TARGET COMPOUND WORKSHEET

METHOD: VOA (EPA SW 846 Method 8260B)

A. Chloromethane*	S. Trichloroethene	KK. Trichlorofluoromethane	CCC. tert-Butylbenzene	UUU. 1,2-Dichlorotetrafluoroethane
B. Bromomethane	T. Dibromochloromethane	LL. Methyl-tert-butyl ether	DDD. 1,2,4-Trimethylbenzene	VVV. 4-Ethyltoluene
C. Vinyl choride**	U. 1,1,2-Trichloroethane	MM. 1,2-Dibromo-3-chloropropane	EEE. sec-Butylbenzene	WWW. Ethanol
D. Chloroethane	V. Benzene	NN. Methyl ethyl ketone	FFF. 1,3-Dichlorobenzene	XXX. Di-isopropyl ether
E. Methylene chloride	W. trans-1,3-Dichloropropene	OO. 2,2-Dichloropropane	GGG. p-Isopropyltoluene	YYY. tert-Butanol
F. Acetone	X. Bromoform*	PP. Bromochloromethane	HHH. 1,4-Dichlorobenzene	ZZZ. tert-Butyl alcohol
G. Carbon disulfide	Y. 4-Methyl-2-pentanone	QQ. 1,1-Dichloropropene	III. n-Butylbenzene	AAAA. Ethyl tert-butyl ether
H. 1,1-Dichloroethene**	Z. 2-Hexanone	RR. Dibromomethane	JJJ. 1,2-Dichlorobenzene	BBBB. tert-Amyl methyl ether
I. 1,1-Dichloroethane*	AA. Tetrachloroethene	SS. 1,3-Dichloropropane	KKK. 1,2,4-Trichlorobenzene	CCCC.1-Chlorohexane
J. 1,2-Dichloroethene, total	BB. 1,1,2,2-Tetrachloroethane*	TT. 1,2-Dibromoethane	LLL. Hexachlorobutadiene	DDDD. Isopropyl alcohol
K. Chloroform**	CC. Toluene**	UU. 1,1,1,2-Tetrachloroethane	MMM. Naphthalene	EEEE. Acetonitrile
L. 1,2-Dichloroethane	DD. Chlorobenzene*	VV. Isopropylbenzene	NNN. 1,2,3-Trichlorobenzene	FFFF. Acrolein
M. 2-Butanone	EE. Ethylbenzene**	WW. Bromobenzene	OOO. 1,3,5-Trichlorobenzene	GGGG. Acrylonitrile
N. 1,1,1-Trichloroethane	FF. Styrene	XX. 1,2,3-Trichloropropane	PPP. trans-1,2-Dichloroethene	HHHH. 1,4-Dioxane
O. Carbon tetrachloride	GG. Xylenes, total	YY. n-Propylbenzene	QQQ. cis-1,2-Dichloroethene	IIII. Isobutyl alcohol
P. Bromodichloromethane	HH. Vinyl acetate	ZZ. 2-Chlorotoluene	RRR. m,p-Xylenes	JJJJ. Methacrylonitrile
Q. 1,2-Dichloropropane**	II. 2-Chloroethylvinyl ether	AAA. 1,3,5-Trimethylbenzene	SSS. o-Xylene	KKKK. Propionitrile
R. cis-1,3-Dichloropropene	JJ. Dichlorodifluoromethane	BBB. 4-Chlorotoluene	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	LLLL.

* = System performance check compounds (SPCC) for RRF ; ** = Calibration check compounds (CCC) for %RSD.

LDC #: 17893B1
SDG #: ME070172

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Page: 1 of 1
Reviewer: VK
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?
Y N N/A Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?
Y N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?_____
Y N N/A Did the initial calibration meet the acceptance criteria?
Y N N/A Were all %RSDs and RRFs within the validation criteria of ≤30 %RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: <30.0%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
	10/6/07	ICAL	KKK	31.20		ALL BLKS	J/UJ/A
			F		0.024		↓ /P
			M		0.007		↓ /P
			X		0.087 (SPCC ≥ 0.10)	↓	None /P

INICAL 1SB

LDC #: 17893B1
SDG #: ME0710172

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: VK
2nd Reviewer: E

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?

Y N N/A Were all %D and RRFs within the validation criteria of ≤25 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: <25.0%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
	10/10/07	V101002	F		0.026	MBLK W-25 10/10/07	J/UJ/P
			M		0.007	↓	↓
			X		0.078 (SPCC ≥ 0.10)	↓	None/P
	10/10/07	V101019	F		0.023	1→3, 5→10	J/UJ/P
			M		0.006		↓
			X		0.073 (SPCC ≥ 0.10)		None/P
	10/11/07	V101103	F		0.024	4, 11→13, MBLK W-25 10/11/07	J/UJ/P
			M		0.008		↓
			X		0.085 (SPCC ≥ 0.10)		None/P

LDC #: 17493B1
SDG #: ME0710172

VALIDATION FINDINGS WORKSHEET
Field Blanks

Page: 1 of 1
Reviewer: VB
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Y N /N/A Were field blanks identified in this SDG?
Y N N/A Were target compounds detected in the field blanks?

Blank units: mg/L **Associated sample units:** mg/L
Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: (EB) Associated Samples: 2 → 10

Compound	Blank ID 11	Blank ID	Sample Identification								
[redacted]	10/07/07		10								
Methylene chloride											
Acetone	0.0034		0.0044/0.050UB								
Chloroform											
CRQL											

Blank units: _____ **Associated sample units:** _____
Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: _____ Associated Samples: _____

Compound	Blank ID	Blank ID	Sample Identification								
[redacted]											
Methylene chloride											
Acetone											
Chloroform											
CRQL											

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 17893B1
SDG #: ME071072

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Reviewer: VK
2nd Reviewer: LC

METHOD : GC/MS VOA (EPA SW 846 Method 8260B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	Date	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		~~12/13~~	~~DD~~	~~64.5 (60-140)~~	~~69 (60-140)~~	( )		
		12/13	C	( )	( )	38.7 (31.2)	4	J/UJ/A
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		

	Compound	QC Limits (Soil)	RPD (Soil)	QC Limits (Water)	RPD (Water)
H.	1,1-Dichloroethene	59-172%	≤ 22%	61-145%	≤ 14%
S.	Trichloroethene	62-137%	≤ 24%	71-120%	≤ 14%
V.	Benzene	66-142%	≤ 21%	76-127%	≤ 11%
CC.	Toluene	59-139%	≤ 21%	76-125%	≤ 13%
DD.	Chlorobenzene	60-133%	≤ 21%	75-130%	≤ 13%

LDC #: 17893B1
SDG #: ME071017-2

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: VK
2nd reviewer: AC

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (mg/L)		RPD
	6	7	
V	0.64	0.67	4
D	0.25	0.26	4
C	0.00043	0.00041	5

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: ACS 89

Collection Date: October 3 through October 4, 2007

LDC Report Date: December 13, 2007

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III & IV

Laboratory: Microbac

Sample Delivery Group (SDG): ME0710258

Sample Identification

ACS-GW-TB03-30
ACS-GW-MW31-30**
ACS-GW-MW32-30
ACS-GW-MW23-30
ACS-GW-DUP03-30
ACS-GW-MW14-30**
ACS-GW-MW09R-30
ACS-GW-MW30-30
ACS-GW-MW29-30**
ACS-GW-MW33-30
ACS-GW-MW51-30
ACS-GW-MW52-30**
ACS-GW-MW53-30
ACS-GW-EB03-30
ACS-GW-MW15-30
ACS-GW-MW06-30
ACS-GW-MW48-30
ACS-GW-MW49-30
ACS-GW-DUP03-30MS
ACS-GW-DUP03-30MSD
ACS-GW-MW29-30MS
ACS-GW-MW29-30MSD

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 22 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8260B for Volatiles.

The review follows the Remedial Design/Remedial Action PRP - Lead Project Quality Assurance Project Plan (November 2001, Rev. 0) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XIV.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

B Compound or analyte was positively detected in a sample and in an associated blank.

UB Compound or analyte is not detected at or above the indicated concentration due to blank contamination.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%RSD	Associated Samples	Flag	A or P
10/6/07	1,2,4-Trichlorobenzene	31.20	All samples in SDG ME0710258	J (all detects) UJ (all non-detects)	A

Average relative response factors (RRF) for all volatile target compounds and system performance check compounds (SPCCs) were within method and validation criteria with the following exceptions:

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
10/6/07	Acetone 2-Butanone	0.024 (≥0.05) 0.007 (≥0.05)	All samples in SDG ME0710258	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P
10/6/07	Bromoform	0.082 (≥0.100)	All samples in SDG ME0710258	None	P

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were within validation criteria with the following exceptions:

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
10/11/07 (b101103)	Acetone 2-Butanone	0.024 (≥0.05) 0.008 (≥0.05)	ACS-GW-TB03-30 ACS-GW-MW31-30** ACS-GW-MW32-30 ACS-GW-MW23-30 ACS-GW-DUP03-30 MBLK b101104	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P
10/11/07 (b101103)	Bromoform	0.085 (≥0.10)	ACS-GW-TB03-30 ACS-GW-MW31-30** ACS-GW-MW32-30 ACS-GW-MW23-30 ACS-GW-DUP03-30 MBLK b101104	None	P
10/11/07 (b101121)	Acetone 2-Butanone	0.023 (≥0.05) 0.007 (≥0.05)	ACS-GW-DUP03-30MS ACS-GW-DUP03-30MSD MBLK b101122	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P
10/11/07 (b101121)	Bromoform	0.083 (≥0.10)	ACS-GW-DUP03-30MS ACS-GW-DUP03-30MSD MBLK b101122	None	P
10/12/07 (b101204)	Acetone 2-Butanone	0.024 (≥0.05) 0.007 (≥0.05)	ACS-GW-MW29-30MS ACS-GW-MW29-30MSD MBLK b101205	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P
10/12/07 (b101204)	Bromoform	0.076 (≥0.10)	ACS-GW-MW29-30MS ACS-GW-MW29-30MSD MBLK b101205	None	P

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks.

Sample ACS-GW-TB03-30 was identified as a trip blank. No volatile contaminants were found in this blank.

Sample ACS-GW-EB03-30 was identified as an equipment blank. No volatile contaminants were found in this blank with the following exceptions:

Equipment Blank ID	Sampling Date	Compound	Concentration	Associated Samples
ACS-GW-EB03-30	10/3/07	Acetone	0.003 mg/L	ACS-GW-MW31-30** ACS-GW-MW32-30 ACS-GW-MW23-30 ACS-GW-DUP03-30 ACS-GW-MW14-30** ACS-GW-MW09R-30 ACS-GW-MW30-30 ACS-GW-MW29-30** ACS-GW-MW33-30 ACS-GW-MW51-30 ACS-GW-MW52-30** ACS-GW-MW53-30 ACS-GW-MW15-30 ACS-GW-MW06-30 ACS-GW-MW48-30 ACS-GW-MW49-30

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated field blanks with the following exceptions:

Sample	Compound	Reported Concentration	Modified Final Concentration
ACS-GW-MW29-30**	Acetone	0.0024 mg/L	0.050UB mg/L
ACS-GW-MW33-30	Acetone	0.0036 mg/L	0.050UB mg/L
ACS-GW-MW53-30	Acetone	0.0024 mg/L	0.050UB mg/L

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a EPA Level IV review was performed.

The QAPP reporting limits were met with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
All samples in SDG ME0710258	Bromomethane Dibromochloromethane trans-1,3-Dichloropropene	Laboratory reporting limit reported at 0.0006 mg/L.	Reporting limit should be reported at 0.00050 mg/L per the QAPP.	None None None	P
All samples in SDG ME0710258	Chloroethane	Laboratory reporting limit reported at 0.0008 mg/L.	Reporting limit should be reported at 0.00050 mg/L per the QAPP.	None	P
All samples in SDG ME0710258	Chloroform Methylene chloride 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	Laboratory reporting limit reported at 0.0007 mg/L.	Reporting limit should be reported at 0.00050 mg/L per the QAPP.	None None None None	P

Raw data were not evaluated for the samples reviewed by Level III criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was acceptable for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XV. Overall Assessment of Data

Data flags have been summarized at the end of the report if data has been qualified.

XVI. Field Duplicates

Samples ACS-GW-DUP03-30 and ACS-GW-MW29-30** were identified as field duplicates. No volatiles were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/L)		RPD
	ACS-GW-DUP03-30	ACS-GW-MW29-30**	
Chloroethane	0.050	0.069	32
Acetone	0.050U	0.0024	200

ACS 89
Volatiles - Data Qualification Summary - SDG ME0710258

SDG	Sample	Compound	Flag	A or P	Reason
ME0710258	ACS-GW-TB03-30 ACS-GW-MW31-30** ACS-GW-MW32-30 ACS-GW-MW23-30 ACS-GW-DUP03-30 ACS-GW-MW14-30** ACS-GW-MW09R-30 ACS-GW-MW30-30 ACS-GW-MW29-30** ACS-GW-MW33-30 ACS-GW-MW51-30 ACS-GW-MW52-30** ACS-GW-MW53-30 ACS-GW-EB03-30 ACS-GW-MW15-30 ACS-GW-MW06-30 ACS-GW-MW48-30 ACS-GW-MW49-30	1,2,4-Trichlorobenzene	J (all detects) UJ (all non-detects)	A	Initial calibration (%RSD)
ME0710258	ACS-GW-TB03-30 ACS-GW-MW31-30** ACS-GW-MW32-30 ACS-GW-MW23-30 ACS-GW-DUP03-30 ACS-GW-MW14-30** ACS-GW-MW09R-30 ACS-GW-MW30-30 ACS-GW-MW29-30** ACS-GW-MW33-30 ACS-GW-MW51-30 ACS-GW-MW52-30** ACS-GW-MW53-30 ACS-GW-EB03-30 ACS-GW-MW15-30 ACS-GW-MW06-30 ACS-GW-MW48-30 ACS-GW-MW49-30	Acetone 2-Butanone	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Initial calibration (RRF)
ME0710258	ACS-GW-TB03-30 ACS-GW-MW31-30** ACS-GW-MW32-30 ACS-GW-MW23-30 ACS-GW-DUP03-30 ACS-GW-MW14-30** ACS-GW-MW09R-30 ACS-GW-MW30-30 ACS-GW-MW29-30** ACS-GW-MW33-30 ACS-GW-MW51-30 ACS-GW-MW52-30** ACS-GW-MW53-30 ACS-GW-EB03-30 ACS-GW-MW15-30 ACS-GW-MW06-30 ACS-GW-MW48-30 ACS-GW-MW49-30	Bromoform	None	P	Initial calibration (RRF)

SDG	Sample	Compound	Flag	A or P	Reason
ME0710258	ACS-GW-TB03-30 ACS-GW-MW31-30** ACS-GW-MW32-30 ACS-GW-MW23-30 ACS-GW-DUP03-30	Acetone 2-Butanone	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P	Continuing calibration (RRF)
ME0710258	ACS-GW-TB03-30 ACS-GW-MW31-30** ACS-GW-MW32-30 ACS-GW-MW23-30 ACS-GW-DUP03-30	Bromoform	None	P	Continuing calibration (RRF)
ME0710258	ACS-GW-TB03-30 ACS-GW-MW31-30** ACS-GW-MW32-30 ACS-GW-MW23-30 ACS-GW-DUP03-30 ACS-GW-MW14-30** ACS-GW-MW09R-30 ACS-GW-MW30-30 ACS-GW-MW29-30** ACS-GW-MW33-30 ACS-GW-MW51-30 ACS-GW-MW52-30** ACS-GW-MW53-30 ACS-GW-EB03-30 ACS-GW-MW15-30 ACS-GW-MW06-30 ACS-GW-MW48-30 ACS-GW-MW49-30	Bromomethane Dibromochloromethane trans-1,3-Dichloropropene Chloroethane Chloroform Methylene chloride 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	None None None	P	Compound quantitation and CRQLs

ACS 89
Volatiles - Laboratory Blank Data Qualification Summary - SDG ME0710258

No Sample Data Qualified in this SDG

ACS 89
Volatiles - Field Blank Data Qualification Summary - SDG ME0710258

SDG	Sample	Compound	Modified Final Concentration	A or P
ME0710258	ACS-GW-MW29-30**	Acetone	0.050UB mg/L	A
ME0710258	ACS-GW-MW33-30	Acetone	0.050UB mg/L	A
ME0710258	ACS-GW-MW53-30	Acetone	0.050UB mg/L	A

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-TB03-30
Work Order / ID: ME0710258-01
Sample Description:
Collection Date: 10/03/07 07:30
Sample Matrix: Aqueous
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	ND	0.0020	0.050		mg/L	1	10/11/07 13:38	UJ
Benzene	A	ND	0.00030	0.0050		mg/L	1	10/11/07 13:38	
Bromodichloromethane	A	ND	0.00050	0.0050		mg/L	1	10/11/07 13:38	
Bromoform	A	ND	0.00040	0.0050		mg/L	1	10/11/07 13:38	
Bromomethane	A	ND	0.00060	0.010		mg/L	1	10/11/07 13:38	
2-Butanone	A	ND	0.0015	0.010		mg/L	1	10/11/07 13:38	UJ
Carbon Disulfide	A	ND	0.00040	0.010		mg/L	1	10/11/07 13:38	
Carbon tetrachloride	A	ND	0.00030	0.0050		mg/L	1	10/11/07 13:38	
Chlorobenzene	A	ND	0.00020	0.0050		mg/L	1	10/11/07 13:38	
Chloroethane	A	ND	0.00080	0.010		mg/L	1	10/11/07 13:38	
Chloroform	A	ND	0.00070	0.0050		mg/L	1	10/11/07 13:38	
Chloromethane	A	ND	0.00030	0.010		mg/L	1	10/11/07 13:38	
Dibromochloromethane	A	ND	0.00060	0.0050		mg/L	1	10/11/07 13:38	
1,1-Dichloroethane	A	ND	0.00030	0.0050		mg/L	1	10/11/07 13:38	
1,2-Dichloroethane	A	ND	0.00040	0.0050		mg/L	1	10/11/07 13:38	
1,1-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/11/07 13:38	
cis-1,2-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/11/07 13:38	
trans-1,2-Dichloroethene	A	ND	0.00040	0.0050		mg/L	1	10/11/07 13:38	
1,2-Dichloropropane	A	ND	0.00030	0.0050		mg/L	1	10/11/07 13:38	
trans-1,3-Dichloropropene	A	ND	0.00060	0.0050		mg/L	1	10/11/07 13:38	
cis-1,3-Dichloropropene	A	ND	0.00030	0.0050		mg/L	1	10/11/07 13:38	
Ethylbenzene	A	ND	0.00020	0.0050		mg/L	1	10/11/07 13:38	
2-Hexanone	A	ND	0.0011	0.010		mg/L	1	10/11/07 13:38	
4-Methyl-2-Pentanone	A	ND	0.00080	0.0050		mg/L	1	10/11/07 13:38	
Methylene chloride	A	ND	0.00070	0.010		mg/L	1	10/11/07 13:38	
Styrene	A	ND	0.00020	0.0050		mg/L	1	10/11/07 13:38	
1,1,2,2-Tetrachloroethane	A	ND	0.00070	0.0050		mg/L	1	10/11/07 13:38	
Tetrachloroethene	A	ND	0.00040	0.0050		mg/L	1	10/11/07 13:38	
Toluene	A	ND	0.00030	0.0050		mg/L	1	10/11/07 13:38	
1,1,1-Trichloroethane	A	ND	0.00030	0.0050		mg/L	1	10/11/07 13:38	
1,1,2-Trichloroethane	A	ND	0.00070	0.0050		mg/L	1	10/11/07 13:38	
Trichloroethene	A	ND	0.00030	0.0050		mg/L	1	10/11/07 13:38	
Vinyl chloride	A	ND	0.00040	0.010		mg/L	1	10/11/07 13:38	
Total Xylenes	A	ND	0.00030	0.0050		mg/L	1	10/11/07 13:38	
1,2,4-Trichlorobenzene	A	ND	0.00030	0.0050		mg/L	1	10/11/07 13:38	UJ
1,2-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/11/07 13:38	
1,3-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/11/07 13:38	
1,4-Dichlorobenzene	A	ND	0.00020	0.010		mg/L	1	10/11/07 13:38	
Surr: 4-Bromofluorobenzene	S	94.2	0	74.3-123		%REC	1	10/11/07 13:38	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-TB03-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-01
Collection Date: 10/03/07 07:30
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	107	0	84.9-118		%REC	1	10/11/07 13:38
Surr: 1,2-Dichloroethane-d4	S	109	0	77.9-126		%REC	1	10/11/07 13:38
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	10/11/07 13:38

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW31-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-02
Collection Date: 10/03/07 08:20
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/11/07 14:10	UJ
Benzene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 14:10	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/11/07 14:10	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 14:10	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/11/07 14:10	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/11/07 14:10	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/11/07 14:10	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 14:10	
Chlorobenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 14:10	
Chloroethane	A	*ND*	0.00080	0.010		mg/L	1	10/11/07 14:10	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 14:10	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/11/07 14:10	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/11/07 14:10	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 14:10	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 14:10	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 14:10	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 14:10	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 14:10	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 14:10	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/11/07 14:10	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 14:10	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 14:10	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/11/07 14:10	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/11/07 14:10	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/11/07 14:10	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 14:10	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 14:10	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 14:10	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 14:10	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 14:10	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 14:10	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 14:10	
Vinyl chloride	A	*ND*	0.00040	0.010		mg/L	1	10/11/07 14:10	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 14:10	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 14:10	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 14:10	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 14:10	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 14:10	
Surr: 4-Bromofluorobenzene	S	90.9	0	74.3-123		%REC	1	10/11/07 14:10	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW31-30	**Work Order / ID:**	ME0710258-02
Sample Description:		**Collection Date:**	10/03/07 08:20
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	107	0	84.9-118		%REC	1	10/11/07 14:10
Surr: 1,2-Dichloroethane-d4	S	109	0	77.9-126		%REC	1	10/11/07 14:10
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	10/11/07 14:10

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW32-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-03
Collection Date: 10/03/07 08:25
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/11/07 14:42	UJ
Benzene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 14:42	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/11/07 14:42	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 14:42	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/11/07 14:42	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/11/07 14:42	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/11/07 14:42	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 14:42	
Chlorobenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 14:42	
Chloroethane	A	*ND*	0.00080	0.010		mg/L	1	10/11/07 14:42	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 14:42	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/11/07 14:42	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/11/07 14:42	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 14:42	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 14:42	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 14:42	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 14:42	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 14:42	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 14:42	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/11/07 14:42	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 14:42	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 14:42	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/11/07 14:42	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/11/07 14:42	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/11/07 14:42	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 14:42	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 14:42	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 14:42	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 14:42	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 14:42	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 14:42	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 14:42	
Vinyl chloride	A	*ND*	0.00040	0.010		mg/L	1	10/11/07 14:42	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 14:42	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 14:42	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 14:42	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 14:42	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 14:42	
Surr: 4-Bromofluorobenzene	S	91.9	0	74.3-123		%REC	1	10/11/07 14:42	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW32-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-03
Collection Date: 10/03/07 08:25
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	106	0	84.9-118		%REC	1	10/11/07 14:42
Surr: 1,2-Dichloroethane-d4	S	108	0	77.9-126		%REC	1	10/11/07 14:42
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	10/11/07 14:42

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW23-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-04
Collection Date: 10/03/07 09:55
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/11/07 15:14	UJ
Benzene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 15:14	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/11/07 15:14	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 15:14	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/11/07 15:14	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/11/07 15:14	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/11/07 15:14	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 15:14	
Chlorobenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 15:14	
Chloroethane	A	*ND*	0.00080	0.010		mg/L	1	10/11/07 15:14	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 15:14	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/11/07 15:14	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/11/07 15:14	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 15:14	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 15:14	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 15:14	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 15:14	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 15:14	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 15:14	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/11/07 15:14	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 15:14	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 15:14	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/11/07 15:14	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/11/07 15:14	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/11/07 15:14	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 15:14	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 15:14	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 15:14	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 15:14	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 15:14	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 15:14	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 15:14	
Vinyl chloride	A	*ND*	0.00040	0.010		mg/L	1	10/11/07 15:14	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 15:14	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 15:14	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 15:14	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 15:14	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 15:14	
Surr: 4-Bromofluorobenzene	S	90.8	0	74.3-123		%REC	1	10/11/07 15:14	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW23-30	**Work Order / ID:**	ME0710258-04
Sample Description:		**Collection Date:**	10/03/07 09:55
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	108	0	84.9-118		%REC	1	10/11/07 15:14
Surr: 1,2-Dichloroethane-d4	S	110	0	77.9-126		%REC	1	10/11/07 15:14
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	10/11/07 15:14

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-DUP03-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-05
Collection Date: 10/03/07 09:00
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/11/07 15:46	UJ
Benzene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 15:46	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/11/07 15:46	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 15:46	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/11/07 15:46	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/11/07 15:46	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/11/07 15:46	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 15:46	
Chlorobenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 15:46	
Chloroethane	A	*0.050*	0.0040	0.050		mg/L	5	10/11/07 20:20	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 15:46	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/11/07 15:46	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/11/07 15:46	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 15:46	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 15:46	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 15:46	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 15:46	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 15:46	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 15:46	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/11/07 15:46	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 15:46	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 15:46	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/11/07 15:46	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/11/07 15:46	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/11/07 15:46	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 15:46	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 15:46	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 15:46	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 15:46	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 15:46	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 15:46	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 15:46	
Vinyl chloride	A	*ND*	0.00040	0.010		mg/L	1	10/11/07 15:46	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 15:46	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 15:46	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 15:46	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 15:46	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 15:46	
Surr: 4-Bromofluorobenzene	S	90.2	0	74.3-123		%REC	1	10/11/07 15:46	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-DUP03-30	**Work Order / ID:**	ME0710258-05
Sample Description:		**Collection Date:**	10/03/07 09:00
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	107	0	84.9-118		%REC	1	10/11/07 15:46
Surr: 1,2-Dichloroethane-d4	S	110	0	77.9-126		%REC	1	10/11/07 15:46
Surr: Toluene-d8	S	103	0	80.8-118		%REC	1	10/11/07 15:46

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW14-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-06
Collection Date: 10/03/07 10:30
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/11/07 21:56	UJ
Benzene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 21:56	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/11/07 21:56	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 21:56	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/11/07 21:56	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/11/07 21:56	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/11/07 21:56	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 21:56	
Chlorobenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 21:56	
Chloroethane	A	*ND*	0.00080	0.010		mg/L	1	10/11/07 21:56	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 21:56	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/11/07 21:56	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/11/07 21:56	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 21:56	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 21:56	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 21:56	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 21:56	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 21:56	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 21:56	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/11/07 21:56	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 21:56	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 21:56	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/11/07 21:56	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/11/07 21:56	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/11/07 21:56	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 21:56	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 21:56	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 21:56	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 21:56	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 21:56	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 21:56	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 21:56	
Vinyl chloride	A	*ND*	0.00040	0.010		mg/L	1	10/11/07 21:56	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 21:56	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 21:56	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 21:56	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 21:56	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 21:56	
Surr: 4-Bromofluorobenzene	S	92.6	0	74.3-123		%REC	1	10/11/07 21:56	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW14-30	**Work Order / ID:**	ME0710258-06
Sample Description:		**Collection Date:**	10/03/07 10:30
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	105	0	84.9-118		%REC	1	10/11/07 21:56
Surr: 1,2-Dichloroethane-d4	S	108	0	77.9-126		%REC	1	10/11/07 21:56
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	10/11/07 21:56

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW09R-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-07
Collection Date: 10/03/07 10:50
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/11/07 22:28	UJ
Benzene	A	*0.0049*	0.00030	0.0050	J	mg/L	1	10/11/07 22:28	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/11/07 22:28	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 22:28	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/11/07 22:28	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/11/07 22:28	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/11/07 22:28	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 22:28	
Chlorobenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 22:28	
Chloroethane	A	*ND*	0.00080	0.010		mg/L	1	10/11/07 22:28	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 22:28	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/11/07 22:28	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/11/07 22:28	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 22:28	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 22:28	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 22:28	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 22:28	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 22:28	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 22:28	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/11/07 22:28	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 22:28	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 22:28	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/11/07 22:28	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/11/07 22:28	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/11/07 22:28	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 22:28	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 22:28	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 22:28	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 22:28	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 22:28	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 22:28	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 22:28	
Vinyl chloride	A	*0.00048*	0.00040	0.010	J	mg/L	1	10/11/07 22:28	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 22:28	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 22:28	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 22:28	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 22:28	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 22:28	
Surr: 4-Bromofluorobenzene	S	92.1	0	74.3-123		%REC	1	10/11/07 22:28	

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9/12/10

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW09R-30	**Work Order / ID:**	ME0710258-07
Sample Description:		**Collection Date:**	10/03/07 10:50
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	103	0	84.9-118		%REC	1	10/11/07 22:28
Surr: 1,2-Dichloroethane-d4	S	104	0	77.9-126		%REC	1	10/11/07 22:28
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	10/11/07 22:28

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW30-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-08
Collection Date: 10/03/07 11:35
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/11/07 23:00	UJ
Benzene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 23:00	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/11/07 23:00	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 23:00	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/11/07 23:00	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/11/07 23:00	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/11/07 23:00	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 23:00	
Chlorobenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 23:00	
Chloroethane	A	*ND*	0.00080	0.010		mg/L	1	10/11/07 23:00	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 23:00	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/11/07 23:00	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/11/07 23:00	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 23:00	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 23:00	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 23:00	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 23:00	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 23:00	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 23:00	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/11/07 23:00	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 23:00	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 23:00	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/11/07 23:00	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/11/07 23:00	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/11/07 23:00	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/11/07 23:00	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 23:00	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/11/07 23:00	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 23:00	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 23:00	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/11/07 23:00	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 23:00	
Vinyl chloride	A	*ND*	0.00040	0.010		mg/L	1	10/11/07 23:00	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 23:00	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/11/07 23:00	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 23:00	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 23:00	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/11/07 23:00	
Surr: 4-Bromofluorobenzene	S	91.9	0	74.3-123		%REC	1	10/11/07 23:00	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW30-30	**Work Order / ID:**	ME0710258-08
Sample Description:		**Collection Date:**	10/03/07 11:35
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	106	0	84.9-118		%REC	1	10/11/07 23:00
Surr: 1,2-Dichloroethane-d4	S	108	0	77.9-126		%REC	1	10/11/07 23:00
Surr: Toluene-d8	S	103	0	80.8-118		%REC	1	10/11/07 23:00

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW29-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-09
Collection Date: 10/03/07 11:55
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**	
Acetone	A	***0.0024***	0.0020	0.050	J	mg/L	1	10/11/07 23:32	~~0.050~~ UB
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:32	
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/11/07 23:32	
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 23:32	
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/11/07 23:32	
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/11/07 23:32	UJ
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 23:32	
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:32	
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 23:32	
Chloroethane	A	***0.069***	0.0040	0.050		mg/L	5	10/12/07 11:08	
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 23:32	
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/11/07 23:32	
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 23:32	
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:32	
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 23:32	
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 23:32	
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 23:32	
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 23:32	
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:32	
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/11/07 23:32	
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:32	
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 23:32	
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/11/07 23:32	
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/11/07 23:32	
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/11/07 23:32	
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/11/07 23:32	
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 23:32	
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/11/07 23:32	
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:32	
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:32	
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/11/07 23:32	
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:32	
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/11/07 23:32	
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:32	
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/11/07 23:32	UJ
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 23:32	
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 23:32	
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/11/07 23:32	
Surr: 4-Bromofluorobenzene	S	92.9	0	74.3-123		%REC	1	10/11/07 23:32	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW29-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-09
Collection Date: 10/03/07 11:55
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	105	0	84.9-118		%REC	1	10/11/07 23:32
Surr: 1,2-Dichloroethane-d4	S	108	0	77.9-126		%REC	1	10/11/07 23:32
Surr: Toluene-d8	S	103	0	80.8-118		%REC	1	10/11/07 23:32

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW33-30
Work Order / ID: ME0710258-10
Sample Description:
Collection Date: 10/03/07 14:40
Sample Matrix: Aqueous
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**
Acetone	A	***0.0036***	0.0020	0.050	J	mg/L	1	10/12/07 00:04
Benzene	A	***0.0017***	0.00030	0.0050	J	mg/L	1	10/12/07 00:04
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/12/07 00:04
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 00:04
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/12/07 00:04
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/12/07 00:04
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 00:04
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:04
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 00:04
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/12/07 00:04
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 00:04
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/12/07 00:04
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 00:04
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:04
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 00:04
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 00:04
cis-1,2-Dichloroethene	A	***0.0028***	0.00040	0.0050	J	mg/L	1	10/12/07 00:04
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 00:04
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:04
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 00:04
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:04
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 00:04
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/12/07 00:04
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/12/07 00:04
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/12/07 00:04
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 00:04
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 00:04
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 00:04
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:04
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:04
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 00:04
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:04
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 00:04
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:04
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 00:04
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 00:04
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 00:04
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 00:04
Surr: 4-Bromofluorobenzene	S	92.2	0	74.3-123		%REC	1	10/12/07 00:04

0.050UBJ

UJ

UJ

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW33-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-10
Collection Date: 10/03/07 14:40
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	108	0	84.9-118		%REC	1	10/12/07 00:04
Surr: 1,2-Dichloroethane-d4	S	107	0	77.9-126		%REC	1	10/12/07 00:04
Surr: Toluene-d8	S	103	0	80.8-118		%REC	1	10/12/07 00:04

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW51-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-11
Collection Date: 10/03/07 15:05
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/12/07 00:36	UJ
Benzene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 00:36	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/12/07 00:36	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 00:36	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/12/07 00:36	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/12/07 00:36	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/12/07 00:36	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 00:36	
Chlorobenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/12/07 00:36	
Chloroethane	A	*ND*	0.00080	0.010		mg/L	1	10/12/07 00:36	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/12/07 00:36	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/12/07 00:36	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/12/07 00:36	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 00:36	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 00:36	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 00:36	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 00:36	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 00:36	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 00:36	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/12/07 00:36	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 00:36	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/12/07 00:36	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/12/07 00:36	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/12/07 00:36	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/12/07 00:36	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/12/07 00:36	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/12/07 00:36	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 00:36	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 00:36	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 00:36	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/12/07 00:36	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 00:36	
Vinyl chloride	A	*ND*	0.00040	0.010		mg/L	1	10/12/07 00:36	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 00:36	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 00:36	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/12/07 00:36	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/12/07 00:36	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/12/07 00:36	
Surr: 4-Bromofluorobenzene	S	89.9	0	74.3-123		%REC	1	10/12/07 00:36	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW51-30	**Work Order / ID:**	ME0710258-11
Sample Description:		**Collection Date:**	10/03/07 15:05
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	105	0	84.9-118		%REC	1	10/12/07 00:36
Surr: 1,2-Dichloroethane-d4	S	108	0	77.9-126		%REC	1	10/12/07 00:36
Surr: Toluene-d8	S	104	0	80.8-118		%REC	1	10/12/07 00:36

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW52-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-12
Collection Date: 10/03/07 15:45
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/12/07 01:08	UJ
Benzene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 01:08	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/12/07 01:08	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 01:08	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/12/07 01:08	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/12/07 01:08	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/12/07 01:08	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 01:08	
Chlorobenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/12/07 01:08	
Chloroethane	A	*ND*	0.00080	0.010		mg/L	1	10/12/07 01:08	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/12/07 01:08	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/12/07 01:08	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/12/07 01:08	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 01:08	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 01:08	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 01:08	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 01:08	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 01:08	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 01:08	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/12/07 01:08	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 01:08	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/12/07 01:08	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/12/07 01:08	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/12/07 01:08	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/12/07 01:08	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/12/07 01:08	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/12/07 01:08	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 01:08	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 01:08	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 01:08	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/12/07 01:08	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 01:08	
Vinyl chloride	A	*ND*	0.00040	0.010		mg/L	1	10/12/07 01:08	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 01:08	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 01:08	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/12/07 01:08	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/12/07 01:08	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/12/07 01:08	
Surr: 4-Bromofluorobenzene	S	90.3	0	74.3-123		%REC	1	10/12/07 01:08	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW52-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-12
Collection Date: 10/03/07 15:45
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	104	0	84.9-118		%REC	1	10/12/07 01:08
Surr: 1,2-Dichloroethane-d4	S	107	0	77.9-126		%REC	1	10/12/07 01:08
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	10/12/07 01:08

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW53-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-13
Collection Date: 10/03/07 16:05
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**	
Acetone	A	***0.0024***	0.0020	0.050	J	mg/L	1	10/12/07 01:40	0.050 UBJ
Benzene	A	***0.0059***	0.00030	0.0050		mg/L	1	10/12/07 01:40	
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/12/07 01:40	
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 01:40	
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/12/07 01:40	
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/12/07 01:40	UJ
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 01:40	
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:40	
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 01:40	
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/12/07 01:40	
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 01:40	
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/12/07 01:40	
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 01:40	
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:40	
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 01:40	
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 01:40	
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 01:40	
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 01:40	
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:40	
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 01:40	
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:40	
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 01:40	
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/12/07 01:40	
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/12/07 01:40	
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/12/07 01:40	
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 01:40	
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 01:40	
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 01:40	
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:40	
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:40	
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 01:40	
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:40	
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 01:40	
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:40	
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 01:40	UJ
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 01:40	
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 01:40	
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 01:40	
Surr: 4-Bromofluorobenzene	S	91.0	0	74.3-123		%REC	1	10/12/07 01:40	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW53-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-13
Collection Date: 10/03/07 16:05
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	105	0	84.9-118		%REC	1	10/12/07 01:40
Surr: 1,2-Dichloroethane-d4	S	109	0	77.9-126		%REC	1	10/12/07 01:40
Surr: Toluene-d8	S	103	0	80.8-118		%REC	1	10/12/07 01:40

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-EB03-30
Work Order / ID: ME0710258-14
Sample Description:
Collection Date: 10/03/07 16:20
Sample Matrix: Aqueous
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**	
Acetone	A	***0.003***	0.0020	0.050	J	mg/L	1	10/12/07 02:12	J
Benzene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:12	
Bromodichloromethane	A	***ND***	0.00050	0.0050		mg/L	1	10/12/07 02:12	
Bromoform	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 02:12	
Bromomethane	A	***ND***	0.00060	0.010		mg/L	1	10/12/07 02:12	
2-Butanone	A	***ND***	0.0015	0.010		mg/L	1	10/12/07 02:12	UJ
Carbon Disulfide	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 02:12	
Carbon tetrachloride	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:12	
Chlorobenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 02:12	
Chloroethane	A	***ND***	0.00080	0.010		mg/L	1	10/12/07 02:12	
Chloroform	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 02:12	
Chloromethane	A	***ND***	0.00030	0.010		mg/L	1	10/12/07 02:12	
Dibromochloromethane	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 02:12	
1,1-Dichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:12	
1,2-Dichloroethane	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 02:12	
1,1-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 02:12	
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 02:12	
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 02:12	
1,2-Dichloropropane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:12	
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0050		mg/L	1	10/12/07 02:12	
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:12	
Ethylbenzene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 02:12	
2-Hexanone	A	***ND***	0.0011	0.010		mg/L	1	10/12/07 02:12	
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0050		mg/L	1	10/12/07 02:12	
Methylene chloride	A	***ND***	0.00070	0.010		mg/L	1	10/12/07 02:12	
Styrene	A	***ND***	0.00020	0.0050		mg/L	1	10/12/07 02:12	
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 02:12	
Tetrachloroethene	A	***ND***	0.00040	0.0050		mg/L	1	10/12/07 02:12	
Toluene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:12	
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:12	
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0050		mg/L	1	10/12/07 02:12	
Trichloroethene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:12	
Vinyl chloride	A	***ND***	0.00040	0.010		mg/L	1	10/12/07 02:12	
Total Xylenes	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:12	
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0050		mg/L	1	10/12/07 02:12	UJ
1,2-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 02:12	
1,3-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 02:12	
1,4-Dichlorobenzene	A	***ND***	0.00020	0.010		mg/L	1	10/12/07 02:12	
Surr: 4-Bromofluorobenzene	S	90.9	0	74.3-123		%REC	1	10/12/07 02:12	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-EB03-30	**Work Order / ID:**	ME0710258-14
Sample Description:		**Collection Date:**	10/03/07 16:20
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	106	0	84.9-118		%REC	1	10/12/07 02:12
Surr: 1,2-Dichloroethane-d4	S	110	0	77.9-126		%REC	1	10/12/07 02:12
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	10/12/07 02:12

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW15-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-15
Collection Date: 10/04/07 08:20
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/12/07 02:44	UJ
Benzene	A	*0.0022*	0.00030	0.0050	J	mg/L	1	10/12/07 02:44	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/12/07 02:44	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 02:44	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/12/07 02:44	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/12/07 02:44	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/12/07 02:44	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 02:44	
Chlorobenzene	A	*0.00031*	0.00020	0.0050	J	mg/L	1	10/12/07 02:44	
Chloroethane	A	*ND*	0.00080	0.010		mg/L	1	10/12/07 02:44	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/12/07 02:44	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/12/07 02:44	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/12/07 02:44	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 02:44	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 02:44	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 02:44	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 02:44	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 02:44	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 02:44	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/12/07 02:44	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 02:44	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/12/07 02:44	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/12/07 02:44	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/12/07 02:44	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/12/07 02:44	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/12/07 02:44	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/12/07 02:44	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 02:44	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 02:44	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 02:44	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/12/07 02:44	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 02:44	
Vinyl chloride	A	*ND*	0.00040	0.010		mg/L	1	10/12/07 02:44	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 02:44	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 02:44	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/12/07 02:44	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/12/07 02:44	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/12/07 02:44	
Surr: 4-Bromofluorobenzene	S	92.5	0	74.3-123		%REC	1	10/12/07 02:44	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW15-30	**Work Order / ID:**	ME0710258-15
Sample Description:		**Collection Date:**	10/04/07 08:20
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	108	0	84.9-118		%REC	1	10/12/07 02:44
Surr: 1,2-Dichloroethane-d4	S	110	0	77.9-126		%REC	1	10/12/07 02:44
Surr: Toluene-d8	S	102	0	80.8-118		%REC	1	10/12/07 02:44

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW06-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-16
Collection Date: 10/04/07 08:45
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method:	**SW8260B**		Prep Date/Time:				Analyst: **JLN**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/12/07 03:16	UJ
Benzene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 03:16	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/12/07 03:16	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 03:16	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/12/07 03:16	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/12/07 03:16	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/12/07 03:16	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 03:16	
Chlorobenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/12/07 03:16	
Chloroethane	A	*0.00086*	0.00080	0.010	J	mg/L	1	10/12/07 03:16	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/12/07 03:16	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/12/07 03:16	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/12/07 03:16	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 03:16	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 03:16	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 03:16	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 03:16	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 03:16	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 03:16	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/12/07 03:16	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 03:16	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/12/07 03:16	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/12/07 03:16	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/12/07 03:16	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/12/07 03:16	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/12/07 03:16	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/12/07 03:16	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 03:16	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 03:16	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 03:16	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/12/07 03:16	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 03:16	
Vinyl chloride	A	*ND*	0.00040	0.010		mg/L	1	10/12/07 03:16	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 03:16	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 03:16	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/12/07 03:16	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/12/07 03:16	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/12/07 03:16	
Surr: 4-Bromofluorobenzene	S	91.8	0	74.3-123		%REC	1	10/12/07 03:16	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW06-30	**Work Order / ID:**	ME0710258-16
Sample Description:		**Collection Date:**	10/04/07 08:45
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	108	0	84.9-118		%REC	1	10/12/07 03:16
Surr: 1,2-Dichloroethane-d4	S	110	0	77.9-126		%REC	1	10/12/07 03:16
Surr: Toluene-d8	S	101	0	80.8-118		%REC	1	10/12/07 03:16

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW48-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-17
Collection Date: 10/04/07 09:45
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/12/07 03:48	UJ
Benzene	A	*0.046*	0.0015	0.025		mg/L	5	10/12/07 11:40	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/12/07 03:48	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 03:48	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/12/07 03:48	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/12/07 03:48	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/12/07 03:48	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 03:48	
Chlorobenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/12/07 03:48	
Chloroethane	A	*0.006*	0.00080	0.010	J	mg/L	1	10/12/07 03:48	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/12/07 03:48	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/12/07 03:48	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/12/07 03:48	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 03:48	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 03:48	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 03:48	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 03:48	
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 03:48	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 03:48	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/12/07 03:48	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 03:48	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/12/07 03:48	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/12/07 03:48	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/12/07 03:48	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/12/07 03:48	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/12/07 03:48	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/12/07 03:48	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 03:48	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 03:48	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 03:48	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/12/07 03:48	
Trichloroethene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 03:48	
Vinyl chloride	A	*ND*	0.00040	0.010		mg/L	1	10/12/07 03:48	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 03:48	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 03:48	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/12/07 03:48	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/12/07 03:48	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/12/07 03:48	
Surr: 4-Bromofluorobenzene	S	90.7	0	74.3-123		%REC	1	10/12/07 03:48	

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW48-30	**Work Order / ID:**	ME0710258-17
Sample Description:		**Collection Date:**	10/04/07 09:45
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	104	0	84.9-118		%REC	1	10/12/07 03:48
Surr: 1,2-Dichloroethane-d4	S	109	0	77.9-126		%REC	1	10/12/07 03:48
Surr: Toluene-d8	S	101	0	80.8-118		%REC	1	10/12/07 03:48

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ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-MW49-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710258-18
Collection Date: 10/04/07 10:05
Date Received: 10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**	
Acetone	A	*ND*	0.0020	0.050		mg/L	1	10/12/07 04:20	UJ
Benzene	A	*0.55*	0.015	0.25		mg/L	50	10/12/07 12:12	
Bromodichloromethane	A	*ND*	0.00050	0.0050		mg/L	1	10/12/07 04:20	
Bromoform	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 04:20	
Bromomethane	A	*ND*	0.00060	0.010		mg/L	1	10/12/07 04:20	
2-Butanone	A	*ND*	0.0015	0.010		mg/L	1	10/12/07 04:20	UJ
Carbon Disulfide	A	*ND*	0.00040	0.010		mg/L	1	10/12/07 04:20	
Carbon tetrachloride	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 04:20	
Chlorobenzene	A	*0.00047*	0.00020	0.0050	J	mg/L	1	10/12/07 04:20	
Chloroethane	A	*0.010*	0.00080	0.010		mg/L	1	10/12/07 04:20	
Chloroform	A	*ND*	0.00070	0.0050		mg/L	1	10/12/07 04:20	
Chloromethane	A	*ND*	0.00030	0.010		mg/L	1	10/12/07 04:20	
Dibromochloromethane	A	*ND*	0.00060	0.0050		mg/L	1	10/12/07 04:20	
1,1-Dichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 04:20	
1,2-Dichloroethane	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 04:20	
1,1-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 04:20	
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 04:20	
trans-1,2-Dichloroethene	A	*0.00043*	0.00040	0.0050	J	mg/L	1	10/12/07 04:20	
1,2-Dichloropropane	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 04:20	
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0050		mg/L	1	10/12/07 04:20	
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 04:20	
Ethylbenzene	A	*ND*	0.00020	0.0050		mg/L	1	10/12/07 04:20	
2-Hexanone	A	*ND*	0.0011	0.010		mg/L	1	10/12/07 04:20	
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0050		mg/L	1	10/12/07 04:20	
Methylene chloride	A	*ND*	0.00070	0.010		mg/L	1	10/12/07 04:20	
Styrene	A	*ND*	0.00020	0.0050		mg/L	1	10/12/07 04:20	
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/12/07 04:20	
Tetrachloroethene	A	*ND*	0.00040	0.0050		mg/L	1	10/12/07 04:20	
Toluene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 04:20	
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 04:20	
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0050		mg/L	1	10/12/07 04:20	
Trichloroethene	A	*0.00037*	0.00030	0.0050	J	mg/L	1	10/12/07 04:20	
Vinyl chloride	A	*ND*	0.00040	0.010		mg/L	1	10/12/07 04:20	
Total Xylenes	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 04:20	
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0050		mg/L	1	10/12/07 04:20	UJ
1,2-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/12/07 04:20	
1,3-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/12/07 04:20	
1,4-Dichlorobenzene	A	*ND*	0.00020	0.010		mg/L	1	10/12/07 04:20	
Surr: 4-Bromofluorobenzene	S	92.0	0	74.3-123		%REC	1	10/12/07 04:20	

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12/13

Microbac®

Revised
11/05/07

ANALYTICAL RESULTS

Date: *Monday, November 05, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-MW49-30	**Work Order / ID:**	ME0710258-18
Sample Description:		**Collection Date:**	10/04/07 10:05
Sample Matrix:	Aqueous	**Date Received:**	10/04/07 16:05

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **JLN**
Surr: Dibromofluoromethane	S	102	0	84.9-118		%REC	1	10/12/07 04:20
Surr: 1,2-Dichloroethane-d4	S	90.2	0	77.9-126		%REC	1	10/12/07 04:20
Surr: Toluene-d8	S	101	0	80.8-118		%REC	1	10/12/07 04:20

LDC #: 17893C1 **VALIDATION COMPLETENESS WORKSHEET** Date: 11/29/07
SDG #: ME0710258 Level III/IV Page: 1 of 1
Laboratory: Microbac Reviewer: VA
2nd Reviewer: M

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 10/3/07 → 10/4/07
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	SW	
IV.	Continuing calibration	SW	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	ACS-GW-MW45-30 (SDG# ME0710172)
VIII.	Laboratory control samples	A	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	Not reviewed for Level III validation.
XII.	Compound quantitation/CRQLs	SW	Not reviewed for Level III validation.
XIII.	Tentatively identified compounds (TICs)	N	Not reviewed for Level III validation.
XIV.	System performance	A	Not reviewed for Level III validation.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	D = 5 + 9
XVII.	Field blanks	SW	TB = 1 * EB = 14

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation

ALL H2O's

1 1	ACS-GW-TB03-30	11 2	ACS-GW-MW51-30	21 3	ACS-GW-MW29-30MS	31	
2 1	ACS-GW-MW31-30**	12 2	ACS-GW-MW52-30**	22 3	ACS-GW-MW29-30MSD	32	
3 1	ACS-GW-MW32-30	13 2	ACS-GW-MW53-30	23 1	MBLK W-25 10/11/07 R103604	33	b101104
4 1	ACS-GW-MW23-30	14 2	ACS-GW-EB03-30	24 2	MBLK W-25 10/11/07 R103604	34	b101122
5 1/2	ACS-GW-DUP03-30	15 2	ACS-GW-MW15-30	25 3	MBLK W-25 10/12/07 R104565	35	b101205
6 2	ACS-GW-MW14-30**	16 2	ACS-GW-MW06-30	26		36	
7 2	ACS-GW-MW09R-30	17 2/3	ACS-GW-MW48-30	27		37	
8 2	ACS-GW-MW30-30	18 2/3	ACS-GW-MW49-30	28		38	
9 2/3	ACS-GW-MW29-30**	19 2	ACS-GW-DUP03-30MS	29		39	
10 2	ACS-GW-MW33-30	20 2	ACS-GW-DUP03-30MSD	30		40	

TARGET COMPOUND WORKSHEET

METHOD: VOA (EPA SW 846 Method 8260B)

A. Chloromethane*	S. Trichloroethene	KK. Trichlorofluoromethane	CCC. tert-Butylbenzene	UUU. 1,2-Dichlorotetrafluoroethane
B. Bromomethane	T. Dibromochloromethane	LL. Methyl-tert-butyl ether	DDD. 1,2,4-Trimethylbenzene	VVV. 4-Ethyltoluene
C. Vinyl choride**	U. 1,1,2-Trichloroethane	MM. 1,2-Dibromo-3-chloropropane	EEE. sec-Butylbenzene	WWW. Ethanol
D. Chloroethane	V. Benzene	NN. Methyl ethyl ketone	FFF. 1,3-Dichlorobenzene	XXX. Di-isopropyl ether
E. Methylene chloride	W. trans-1,3-Dichloropropene	OO. 2,2-Dichloropropane	GGG. p-Isopropyltoluene	YYY. tert-Butanol
F. Acetone	X. Bromoform*	PP. Bromochloromethane	HHH. 1,4-Dichlorobenzene	ZZZ. tert-Butyl alcohol
G. Carbon disulfide	Y. 4-Methyl-2-pentanone	QQ. 1,1-Dichloropropene	III. n-Butylbenzene	AAAA. Ethyl tert-butyl ether
H. 1,1-Dichloroethene**	Z. 2-Hexanone	RR. Dibromomethane	JJJ. 1,2-Dichlorobenzene	BBBB. tert-Amyl methyl ether
I. 1,1-Dichloroethane*	AA. Tetrachloroethene	SS. 1,3-Dichloropropane	KKK. 1,2,4-Trichlorobenzene	CCCC.1-Chlorohexane
J. 1,2-Dichloroethene, total	BB. 1,1,2,2-Tetrachloroethane*	TT. 1,2-Dibromoethane	LLL. Hexachlorobutadiene	DDDD. Isopropyl alcohol
K. Chloroform**	CC. Toluene**	UU. 1,1,1,2-Tetrachloroethane	MMM. Naphthalene	EEEE. Acetonitrile
L. 1,2-Dichloroethane	DD. Chlorobenzene*	VV. Isopropylbenzene	NNN. 1,2,3-Trichlorobenzene	FFFF. Acrolein
M. 2-Butanone	EE. Ethylbenzene**	WW. Bromobenzene	OOO. 1,3,5-Trichlorobenzene	GGGG. Acrylonitrile
N. 1,1,1-Trichloroethane	FF. Styrene	XX. 1,2,3-Trichloropropane	PPP. trans-1,2-Dichloroethene	HHHH. 1,4-Dioxane
O. Carbon tetrachloride	GG. Xylenes, total	YY. n-Propylbenzene	QQQ. cis-1,2-Dichloroethene	IIII. Isobutyl alcohol
P. Bromodichloromethane	HH. Vinyl acetate	ZZ. 2-Chlorotoluene	RRR. m,p-Xylenes	JJJJ. Methacrylonitrile
Q. 1,2-Dichloropropane**	II. 2-Chloroethylvinyl ether	AAA. 1,3,5-Trimethylbenzene	SSS. o-Xylene	KKKK. Propionitrile
R. cis-1,3-Dichloropropene	JJ. Dichlorodifluoromethane	BBB. 4-Chlorotoluene	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	LLLL.

* = System performance check compounds (SPCC) for RRF ; ** = Calibration check compounds (CCC) for %RSD.

LDC #: 178936 1
SDG #: ME0710258

VALIDATION FINDINGS CHECKLIST

Reviewer: VK
2nd Reviewer: [illegible]

Method: Volatiles (EPA SW 846 Method 8260B)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
III. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓	✓		
Was a curve fit used for evaluation?		✓		
Did the initial calibration meet the curve fit acceptance criteria of $\geq$ 0.990?			✓	
Were all percent relative standard deviations (%RSD) $\leq$ 30% and relative response factors (RRF) $\geq$ 0.05?		✓		
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓	✓		
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓	✓		
Were all percent differences (%D) $\leq$ 25% and relative response factors (RRF) $\geq$ 0.05?		✓		
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Was a MS/MSD analyzed every 20 samples of each matrix?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	✓			
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			

LDC #: 17893C1
SDG #: ME0710258

VALIDATION FINDINGS CHECKLIST

Reviewer: VK
2nd Reviewer: [illegible]

Validation Area	Yes	No	NA	Findings/Comments
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?			✓	
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XI. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XII. Compound quantitation/CRQLs				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Tentatively identified compounds (TICs)				
Were the major ions (> 10 percent relative intensity) in the reference spectrum evaluated in sample spectrum?			✓	
Were relative intensities of the major ions within ± 20% between the sample and the reference spectra?			✓	
Did the raw data indicate that the laboratory performed a library search for all required peaks in the chromatograms (samples and blanks)?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XVI. Field duplicates				
Field duplicate pairs were identified in this SDG.	✓			
Target compounds were detected in the field duplicates.	✓			
XVII. Field blanks				
Field blanks were identified in this SDG.	✓			
Target compounds were detected in the field blanks.	✓			

LDC #: 17893C1
SDG #: ME0710258

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Reviewer: VA
2nd Reviewer: R

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

- (Y) N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?
- (Y) N N/A Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?
- Y (N) N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?________
- Y N (N/A) Did the initial calibration meet the acceptance criteria?
- Y (N) N/A Were all %RSDs and RRFs within the validation criteria of ≤30 %RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: ≤30.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	10/6/07	ICAL	KKK	31.20		ALL, BLKS	J/UJ/A
			F		0.024	↓	↓ /P
			M		0.007	↓	↓ /P
			X		0.082 (SPCC ≤0.10)	↓	None /P

LDC #: 17893C1
SDG #: ME0710258

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: VH
2nd Reviewer: A

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤25 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: <25.0%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
	10/11/07	b101103	F		0.024	1→5,	J/UJ/P
			M		0.008	MBLK ~~W25~~ b101104	↓
			X		0.085 (SPCC <0.10)		None/P
	10/11/07	b101121	F		0.023	19→20	J/UJ/P
			M		0.007	MBLK b101122	↓
			X		0.083 (SPCC<0.10)		None/P
	10/12/07	b101204	F		0.024	21→23	J/UJ/P
			M		0.007	MBLK b101205	↓
			X		0.076 (SPCC<0.10)		None/P

LDC #: 17893C1
SDG #: ME0710258

VALIDATION FINDINGS WORKSHEET
Field Blanks

Page: 1 of 1
Reviewer: VK
2nd Reviewer: 1C

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

(Y) N /N/A Were field blanks identified in this SDG?
Y/N N/A Were target compounds detected in the field blanks?

Blank units: mg/L **Associated sample units:** mg/L
Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: (EB) Associated Samples: 2 → 13, 15 → 18

Compound	Blank ID 14	Blank ID	Sample Identification							
[redacted]	10/03/07		9	10	13					
Methylene chloride										
Acetone	0.003		0.0024/UB 0.005 UB	0.0036/UB 0.005 UB	0.0024/UB 0.005 UB					
Chloroform										
CRQL										

Blank units: _____ **Associated sample units:** _____
Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: _____ Associated Samples: _____

Compound	Blank ID	Blank ID	Sample Identification							
[redacted]										
Methylene chloride										
Acetone										
Chloroform										
CRQL										

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 17893A1
SDG #: ME0710076 268

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and CRQLs

Reviewer: VK
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?

Y N N/A Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?

#	Date	Sample ID	Finding	Associated Samples	Qualifications
		ALL	Lab RL > QAPP RL	ALL	None / P
			B 0.00060 mg/L > 0.00050 mg/L		
			D 0.00080		
			K 0.00070		
			T 0.00060		
			W 0.00060		
			E 0.00070		
			BB 0.00070		
			U 0.00070		

Comments: See sample calculation verification worksheet for recalculations

LDC #: 17893C1
SDG #: ME0710258

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: VA
2nd reviewer: JC

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (mg/L)		RPD
	5	9	
D	0.050	0.069	32
F	0.0524	0.0074	200

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

LDC #: 17893C1
SDG #: ME0710258

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: VK
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound,
C_x = Concentration of compound,
S = Standard deviation of the RRFs
X = Mean of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported RRF (10 std)	Recalculated RRF (10 std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	ICAL	10/6/07	A&D (1st internal standard)	0.161	0.161	0.164	0.164	9.03	9.00
			CC (2nd internal standard)	1.084	1.084	1.096	1.096	6.43	6.47
			BB (3rd internal standard)	0.368	0.368	0.361	0.361	3.49	3.52
2			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
3			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
4			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 17893C1
SDG #: ME0710258

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: VA
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	b1D1103	10/11/07	D (1st internal standard)	0.164	0.136	0.136	17.1	17.1
			CC (2nd internal standard)	1.096	1.110	1.110	1.3	1.3
			BB (3rd internal standard)	0.361	0.376	0.376	4.2	4.0
2	b101121	10/11/07	D (1st internal standard)	0.164 ~~0.278~~	0.165 ~~0.298~~	0.165	~~7.1~~ 0.6	0.6
			CC (2nd internal standard)	1.096	1.108	1.108	1.1	1.1
			BB (3rd internal standard)	0.361	0.370	0.370	2.5	2.5
3	b101204	10/12/07	D (1st internal standard)	0.164	0.140	0.140	14.6	14.9
			CC (2nd internal standard)	1.096	0.995	0.995	9.2	9.2
			BB (3rd internal standard)	0.361	0.347	0.347	3.9	4.0
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 17893C1
SDG #: MEO710258

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: VK
2nd reviewer: AL

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #9

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8	10	10.27	103	103	0
Bromofluorobenzene		9.29	92.9	92.9	
1,2-Dichloroethane-d4		10.85	108	108	
Dibromofluoromethane		10.649	105	106.5	

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

LDC #: 178930 1
SDG #: MED710258

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: VA
2nd Reviewer: A

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration

RPD = I MSC - MSDC I * 2/(MSC + MSDC) MSC = Matrix spike percent recovery MSDC = Matrix spike duplicate percent recovery

MS/MSD sample: 19/20

Compound	Spike Added (ug/L)		Sample Concentration (ug/L)	Spiked Sample Concentration (ug/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	50	50	0	52.95	52.65	106	105	105	105	0.381	0.381
Trichloroethene	↓	↓	↓	51	52.05	102	102	104	104	2.04	2.04
Benzene				52.95	53.15	106	106	106	106	0.377	0.377
Toluene				51.3	51.1	103	103	102	102	0.391	0.391
Chlorobenzene				53.05	53.15	106	106	106	106	0.188	0.188

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 17893C1
SDG #: ME071025S

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: VM
2nd Reviewer: M

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration
SA = Spike added

RPD = | LCS - LCSD | * 2/(LCS + LCSD) LCS = Laboraotry control sample percent recovery LCSD = Laboratory control sample duplicate percent recovery

LCS ID: ~~LCSW10PPB~~ b101123

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	~~LCSD~~	LCS	~~LCSD~~	Reported	Recalc	Reported	Recalc	Reported	Recalculated
1,1-Dichloroethene	10		10.27		103	103				
Trichloroethene			10.25		103	103				
Benzene			10.44		104	104				
Toluene			10.12		101	101				
Chlorobenzene			10.45		104	104				

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 17893C1
SDG #: ME0710258

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: VK
2nd reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #9 , D

Conc. = $\frac{(97543)(10)(5)}{(431345)(0.164)(1000)(\quad)}$

= 0.069 mg/L

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

LABORATORY DATA CONSULTANTS, INC.
7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: 760/634-0439

Project #17893
December 14, 2007

MWH Americas, Inc.
175 West Jackson Blvd, Suite 1900
Chicago, IL 60604-2814
ATTN: Mr. Justin Finger

SUBJECT: ACS-89, Data Validation

Dear Mr. Finger,

SUBJECT: Precision, Accuracy, Representativeness, Comparability, Completeness (PARCC) Summary Report for the ACS Residential Project

Dear Mr Finger,

Enclosed is the Precision, Accuracy, Representativeness, Comparability, Completeness (PARCC) Summary Report for the ACS Residential Project.

We appreciate this opportunity to support MWH Americas, Ic. in the performance of this project. Please feel free to call me at (760) 634-0437 if you have any questions.

Sincerely,

Erlinda T. Rauto
Operations Manager/Senior Chemist

PRECISION, ACCURACY, REPRESENTATIVENESS, COMPARABILITY, COMPLETENESS SUMMARY REPORT

American Chemical Service

10/2/07

Table of Contents

Section	Title	Page No.
1.0	Introduction	1
2.0	Volatile Organic Compounds	5
2.1	Precision and Accuracy	5
2.2	Representativeness	6
2.3	Comparability	7
2.4	Completeness	7
3.0	Variances	7
4.0	Summary of PARCC Criteria	7
4.1	Precision and Accuracy	8
4.2	Representativeness	8
4.3	Comparability	8
4.4	Completeness	8

Glossary

CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
DQO	Data Quality Objectives
LCS/LCSD	Laboratory Control Sample / Laboratory Control Sample Duplicate
MS/MSD	Matrix Spike / Matrix Spike Duplicate
PARCC	Precision,Accuracy,Representativeness,Comparability, Completeness
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance / Quality Control
RPD	Relative Percent Difference
RRF	Relative Response Factor
RL	Reporting Limit
SDG	Sample Delivery Group
ug/Kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound
%D	Percent Difference
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation

PRECISION, ACCURACY, REPRESENTATIVENESS, COMPARABILITY, COMPLETENESS SUMMARY REPORT
American Chemical Service

1.0 INTRODUCTION

Remedial design/ remedial action was conducted at the American Chemical Service, Inc. NPL Site in Griffith, Indiana. This part of the site investigation for Lower Aquifer included the collection and analyses of 38 groundwater samples including quality control (QC) samples and dilutions. The analyses were performed by the following methods:

Volatile Organic Compounds by EPA SW 846 Method 8260B

Analytical services were provided by Microbac who performed analyses on the groundwater samples. The samples were grouped into sample delivery groups (SDGs) of up to 20 field samples received by the laboratory. The environmental samples are associated with QA/QC samples designed to document the data quality of the entire SDG or a sub-group of samples within an SDG. Table I in Appendix A is a cross-reference table listing each sample, analysis, SDG, collection date, laboratory sample number, and matrix. All shaded samples in Table I in Appendix A were reviewed under EPA Level 4 guidelines.

Approximately ten percent of the analytical data were validated according to EPA Level 4 data validation procedures and ninety percent of the analytical data were validated according to EPA Level 3 data validation procedures. The analytical data were evaluated for quality assurance and quality control (QA/QC) based on the following documents: *The Remedial Design/ Remedial Action PRP-Lead Project at the American Chemical Service, Inc. NPL Site, Griffith, Indiana Quality Assurance Project Plan,* November 2001, *Contract Laboratory Program National Functional Guidelines for Organic Data Review*, October 1999, and the *EPA SW 846 Third Edition, Test Methods for Evaluating Solid Waste.*

This report summarizes the QA/QC evaluation of the data according to precision, accuracy, representativeness, completeness, and comparability (PARCC) relative to the project data quality objectives (DQOs). This report provides a quantitative and qualitative assessment of the data and identifies potential sources of error, uncertainty, and bias that may affect the overall usability.

The PARCC summary report evaluates and summarizes the results of QA/QC data validation for the entire sampling program. Each analytical fraction has a separate section for each of the PARCC criteria. These sections interpret specific QC deviations and their effects on both individual data points and the analyses as a whole. Section 4 presents a summary of the PARCC criteria by comparing quantitative parameters with acceptability criteria defined in the project DQO's. Qualitative PARCC criteria are also summarized in this section.

Precision and Accuracy of Environmental Data

Environmental data quality depends on sample collection procedures, analytical methods and instrumentation, documentation, and sample matrix properties. Both sampling procedures and laboratory analyses contain potential sources of uncertainty, error, and/or bias, which affect the overall quality of a measurement. Errors in sample data may result from incomplete equipment decontamination, inappropriate sampling techniques, sample heterogeneity, improper filtering, and improper preservation. The accuracy of analytical results is dependent on selecting appropriate analytical methods, maintaining equipment properly, and complying with QC

requirements. The sample matrix also is an important factor in the ability to obtain precise and accurate results within a given media.

Environmental and laboratory QA/QC samples assess the effects of sampling procedures and evaluate laboratory contamination, laboratory performance, and matrix effects. QA/QC samples include: trip blanks, equipment rinsate blanks, field duplicates, method blanks, laboratory control samples (LCSs), surrogate spikes, matrix spike/matrix spike duplicates (MS/MSDs), and laboratory duplicates.

Before conducting the PARCC evaluation, the analytical data were validated according to the *Remedial Design/ Remedial Action PRP-Lead Project at the American Chemical Service, Inc. NPL Site, Griffith, Indiana Quality Assurance Project Plan,* November 2001, and the Functional Guidelines for Organic Data Review (USEPA 1999) and EPA SW 846 Third Edition, Test Methods for Evaluating Solid Waste. Samples not meeting the project procedures manual and the Functional Guideline acceptance criteria were qualified with a flag, an abbreviation indicating a deficiency with the data. The following are flags used in data validation.

J Estimated The associated numerical value is an estimated quantity. The analyte was detected but the reported value may not be accurate or precise. The "J" qualification indicates the data fell outside the QC limits, but the exceedance was not sufficient to cause rejection of the data.

R Rejected The data is unusable (the compound or analyte may or may not be present). Use of the "R" qualifier indicates a significant variance from functional guideline acceptance criteria. Either resampling or reanalysis is necessary to determine the presence or absence of the rejected analyte.

UB Analyte was not detected at or above the indicated concentration due to blank contamination. The "UB" flag is used to qualify any result detected in an environmental sample at a concentration less than 10 times the value of the concentration in any associated blank for common laboratory contaminants and less than 5 times the concentration in any associated blank for all other contaminants

B Analyte was positively detected in a sample and in an associated blank. The "B" flag is used to to qualify any result detected in an environmental sample at a concentration greater than 10 times the value of the concentration in any associated blank for common laboratory contaminants and greater than 5 times the concentration in any associated blank for all other contaminants

UJ Estimated/Nondetected Analyses were performed for the compound or analyte, but it was not detected and the sample quantitation or detection limit is an estimated quantity due to poor accuracy or precision. This qualification is also used to flag possible false negative results in the case where low bias in the analytical system is indicated by low calibration response, surrogate, internal standard, or other spike recovery.

Once the data are reviewed and qualified according to the *Remedial Design/ Remedial Action PRP-Lead Project at the American Chemical Service, Inc. NPL Site, Griffith, Indiana Quality Assurance Project Plan,* November 2001 and the functional guidelines, the data set is then evaluated using PARCC criteria. PARCC criteria provide an evaluation of overall data usability. The following is a discussion of PARCC criteria as related to the project DQOs.

Precision is a measure of the agreement or reproducibility of analytical results under a given set of conditions. It is a quantity that cannot be measured directly but is calculated from percent recovery data. Precision is expressed as the relative percent difference (RPD):

$$RPD = (D1-D2)/\{1/2(D1+D2)\} \times 100$$

Where D1 and D2 are the reported concentrations for sample and duplicate analyses. Precision is primarily assessed by calculating an RPD from the percent recoveries of the spiked compounds for each sample in the MS/MSD pair. In the absence of an MS/MSD pair, a laboratory duplicate or LCS/LCSD pair can be analyzed as an alternative means of assessing precision. In some cases, samples from multiple SDGs were within one QC batch and therefore are associated with the same laboratory QC samples. An additional measure of sampling precision was obtained by collecting and analyzing field duplicate samples, which were compared using the RPD result as the evaluation criteria.

MS and MSD samples are field samples spiked by the laboratory with target analytes prior to preparation and analysis. These samples measure the overall efficiency of the analytical method in recovering target analytes from an environmental matrix. A LCS is similar to an MS/MSD sample in that the LCS is spiked with the same target analytes prior to preparation and analysis. However, the LCS is prepared using a controlled interference-free matrix instead of a field sample aliquot. Laboratory reagent water is used to prepare aqueous LCS. Non-aqueous LCSs are prepared using solid media approved by the American Society for Testing and Materials (ASTM) for their homogeneity. The LCS measures laboratory efficiency in recovering target analytes from either a solid or aqueous matrix in the absence of matrix interferences.

Laboratory and field sampling precision are further evaluated by calculating RPDs for aqueous field sample duplicate pairs. The sampler collects two field samples at the same location and under identically controlled conditions. The laboratory then analyzes the samples under identical conditions.

An RPD outside the numerical QC limit in either MS/MSD samples or LCS/LCSD indicates imprecision. Imprecision is the variance in the consistency with which the laboratory arrives at a particular reported result. Thus, the actual analyte concentration may be higher or lower than the reported result.

Possible causes of poor precision include sample matrix interference, improper sample collection or handling, inconsistent sample preparation, and poor instrument stability. In some duplicate pairs, results maybe reported in either the primary or duplicate samples at levels below the reporting limit or non-detected. Since these values are considered to be estimates, RPD exceedances from these duplicate pairs do not suggest a significant impact on the data quality.

Accuracy is a measure of the agreement of an experimental determination and the true value of the parameter being measured. It is used to identify bias in a given measurement system. Recoveries outside acceptable QC limits may be caused by factors such as instrumentation, analyst error, or matrix interference. Accuracy is assessed through the analysis of MS, MSD, LCS, and samples containing surrogate spikes. In some cases, samples from multiple SDGs were within one QC batch and therefore are associated with the same laboratory QC samples. Surrogate spikes are either isotopically labeled compounds or compounds that are not typically detected in the samples. Surrogate spikes are added to every blank, environmental sample, MS/MSD, and standard, for volatile organic (VOC) and bis-2-chloroethyl ether analyses.

Percent recovery (%R) is calculated using the following equation:

$$\%R = (A-B)/C \times 100$$

where:
A = measured concentration in the spiked sample
B = measured concentration of the spike compound in the unspiked sample
C = concentration of the spike

The percent recovery of each analyte spiked in MS/MSD samples, LCS, and surrogate compounds added to environmental samples is evaluated with the acceptance criteria specified by the previously noted documents. Spike recoveries outside the acceptable QC accuracy limits provide an indication of bias, where the reported data may overestimate or underestimate the actual concentration of compounds detected or quantitation limits reported for environmental samples.

Representativeness is a qualitative parameter that expresses the degree to which the sample data are characteristic of a population. It is evaluated by reviewing the QC results of blank samples and holding times. Positive detects of compounds in the blank samples identify compounds that may have been introduced into the samples during sample collection, transport, preparation, or analysis. The QA/QC blanks collected and analyzed are method blanks, field blanks and trip blanks.

A method blank is a laboratory grade water or solid matrix that contains the method reagents and has undergone the same preparation and analysis as the environmental samples. The method blank provides a measure of the combined contamination derived from the laboratory source water, glassware, instruments, reagents, and sample preparation steps. Method blanks are prepared for each sample of a similar matrix extracted by the same method at a similar concentration level.

Trip blanks are used to identify possible volatile organic contamination introduced into the sample during transport. A trip blank is a sample bottle filled in the laboratory with reagent-grade water and preserved to a pH less than 2 with hydrochloric acid. It is transported to the site, stored with the sample containers, and returned unopened to the laboratory for analysis.

Contaminants found in both the environmental sample and a blank sample are assumed to be laboratory artifacts if the concentration in the environmental sample is less than 10 times the blank value for common laboratory contaminants; methylene chloride, acetone and 2-butanone or 5 times the blank value for other laboratory contaminants.

Holding times are evaluated to assure that the sample integrity is intact for accurate sample preparation and analysis. Holding times will be specific for each method and matrix analyzed. Holding time exceedances can cause loss of sample constituents due to biodegradation, precipitation, volatization, and chemical degradation.

Comparability is a qualitative expression of the confidence with which one data set may be compared to another. It provides an assessment of the equivalence of the analytical results to data obtained from other analyses. It is important that data sets be comparable if they are used in conjunction with other data sets. The factors affecting comparability include the following: sample collection and handling techniques, matrix type, and analytical method. If these aspects of sampling and analysis are carried out according to standard analytical procedures, the data are considered comparable. Comparability is also dependent upon other PARCC criteria,

because only when precision, accuracy, and representativeness are known can data sets be compared with confidence.

Completeness is defined as the percentage of acceptable sample results compared to the total number of sample results. Completeness is evaluated to determine if an acceptable amount of usable data were obtained so that a valid scientific site assessment can be completed. Completeness equals the total number of sample results for each fraction minus the total number of rejected sample results divided by the total number of sample results multiplied by 100. As specified in the project DQOs, the goal for completeness for target analytes in each analytical fraction is 95 percent.

Percent completeness is calculated using the following equation:

$$\%C = (T - R)/T \times 100$$

where:
%C = percent completeness
T = total number of sample results
R = total number of rejected sample results

Completeness is also determined by comparing the planned number of samples per method and matrix as specified in the FSP or QAPP, with the number determined above.

The following sections present a review of QC data for each analytical method.

2.0 VOLATILE ORGANIC COMPOUNDS

A total of 38 groundwater samples were analyzed for volatile organic compounds (VOC) by EPA SW 846 Method 8260B. All volatile data were assessed to be valid since none of the 1444 total results were rejected based on QC exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCC criteria and evaluated based on the DQOs.

2.1 Precision and Accuracy

2.1.1 Instrument Calibration

Initial and continuing calibration results provide a means of evaluating accuracy within a particular SDG. Relative response factor (RRF), percent relative standard deviation (%RSD), and percent difference (%D) are the three major parameters used to measure the effectiveness of instrument calibration. RRF is a measure of the relative spectral response of an analyte compared to its internal standard. %RSD is an expression of the linearity of instrument response. %D is a comparison of a continuing calibration instrumental response with its initial response. %RSD and %D exceedances suggest routine instrumental anomalies, which typically impact all sample results for the affected compounds.

Thirty eight volatile results were qualified as detected estimated (J) and non-detected estimated (UJ). The relative standard deviation in the initial calibrations and/or percent difference between the initial calibration mean relative response factors and the continuing calibration relative response factors for 1,2,4-trichlorobenzene was outside the acceptance criteria of 30 and 25 percent, respectively. The affected samples are identified in the data validation reports.

The relative response factors for acetone and 2-butanone were above the acceptance criteria of 0.05 in the initial calibration and/or the continuing calibration standards. Eighty six results were qualified detected estimated (J) and non-detected estimated (UJ).

2.1.2 Surrogates

No data were qualified based on surrogate nonconformances.

2.1.3 MS/MSD Samples

One vinyl chloride result was qualified detected estimated (J) and non-detected estimated (UJ) based on MS/MSD nonconformances. For those SDGs with MS/MSD results, the recoveries were evaluated against the acceptance criteria.

2.1.4 LCS Samples

No data were qualified based on LCS nonconformances. For those SDGs with LCS results, the recoveries were evaluated against the acceptance criteria.

2.1.5 Internal Standards

No data were qualified based on internal standard nonconformances. The recoveries and retention times were evaluated against the acceptance criteria.

2.1.6 Field Duplicate Samples

The field duplicate samples were evaluated for acceptable precision with RPDs for the compounds. The associated data validation narratives provided details regarding criteria exceeded. Sample data were not qualified on the basis of field duplicate precision.

2.1.7 Compound Quantitation and Target Identification

All compound quantitation and target compound identifications were found to be acceptable.

2.2 Representativeness

2.2.1 Holding Times

The evaluation of holding times to verify compliance with the method was conducted. All holding times were met.

2.2.2 Blanks

Method blanks and trip blanks were collected and analyzed to evaluate representativeness. The concentration for an individual target compounds in any of the two types of QA/QC blanks were used for data qualification.

If contaminants were detected in a blank, corrective actions were made for the chemical analytical data during data validation. The corrective action consisted of amending the laboratory reported results for organic compounds based on the following criteria. The validation qualifier codes used in the blank summary tables are described below.

Results Below the RL If a sample result for the blank contaminant was less than the RL and less than 10 times the blank value for common contaminants or 5 times the blank value for other contaminants, the sample result was amended as a non-detected at the RL for the target compound and qualified with UB

Results Above the RL If a sample result for the blank contaminant was greater than the sample RL and less than 10 times the blank value for common contaminants or 5 times the blank value for other contaminants, the sample result for the blank contaminant was amended as a non-detect at the concentration reported in the sample results and qualified with UB.

If a sample result for the blank contaminant was greater than 10 times the blank value for common contaminants or 5 times the blank value for other contaminants, the result was not amended and qualified with B.

2.2.2.1 Method Blanks

No QC issues were associated with the method blanks for this analysis.

2.2.2.2 Trip Blanks

As a result of trip blank contamination, acetone was qualified as non-detected (UB) in three samples. The details regarding the qualification of results are provided in the data validation reports.

2.2.2.3 Field Blanks

As a result of field blank contamination, acetone was qualified as non-detected (UB) in seven samples. The details regarding the qualification of results are provided in the data validation reports.

2.3 Comparability

The laboratory used standard analytical methods for all of the analyses. In all cases, the method detection limits attained were at or below the reporting limit. Target compounds detected below the reporting limits flagged (J) by the laboratory should be considered estimated. The comparability of the data is regarded as acceptable.

2.4 Completeness

The completeness level attained for volatile organic field samples was 100 percent. This percentage was calculated as the total number of accepted sample results divided by the total number of sample results multiplied by 100.

3.0 VARIANCES IN ANALYTICAL PERFORMANCE

The laboratory used standard analytical method for volatile analyses throughout the project. No systematic variances in analytical performance were noted according to the laboratory SOW.

4.0 SUMMARY OF PARCC CRITERIA

The validation reports present the PARCC results for all SDGs. Each PARCC criterion is discussed in detail in the following sections.

4.1 Precision and Accuracy

Precision and accuracy were evaluated using data quality indicators such as MS/MSD, LCS, and surrogates. The precision and accuracy of the data set were considered acceptable after integration of qualification of estimated results as specifically noted in the data validation reports.

4.2 Representativeness

All samples for each method and matrix were evaluated for holding time compliance. All samples were associated with a method blank in each individual SDG. The representativeness of the project data is considered acceptable after qualification for blank contamination.

4.3 Comparability

Sampling frequency requirements were met in obtaining duplicates and necessary field blanks. The laboratory used standard analytical methods for their analyses. The analytical results were reported in correct standard units. Holding times, sample preservation, and sample integrity were within QC criteria. The overall comparability is considered acceptable.

4.4 Completeness

Of the 1444 total analytes reported, none of the sample results were rejected. The completeness for all SDGs is as follows:

Parameter/Method	Total Analytes	No. of Rejects	%Completeness
Volatiles	1444	0	100
Total	**1444**	**0**	**100**

The completeness percentage based on rejected data met the 95 percent DQO goal.

Microbac

LEVEL IV
QA/QC DATA PACKAGE

CLIENT:	MWH, Inc.
PROJECT:	GW - SemiAnnual / ACS
LAB WORKORDER:	ME0710178
DATE PACKAGE ISSUED:	11/13/07

TABLE OF CONTENTS

CLIENT: **MWH, Inc.**

PROJECT: **GW - SemiAnnual / ACS**

LAB WORKORDER: **ME0710178**

CHAIN-OF-CUSTODY: **79340**

CONTENTS:	Page		Page
Table of Contents	2	to	3
Case Narrative(s)	4	to	8
Analytical Report	9	to	38
Cooler Inspection	39	to	40
Chain(s) of Custody	41	to	41
Quality Control Summary	42	to	70
Inorganics:			
Cyanide Raw Data	71	to	80
Cyanide Distillation Log(s)	81	to	82
Metals:			
ICP Raw Data	83	to	242
ICP Digestion Log(s)	243	to	244
Mercury Raw Data	245	to	252
Mercury Digestion Log(s)	253	to	254
PCB/Pesticide:			
Method Blank Raw Data	255	to	258
Laboratory Control Sample Raw Data	259	to	263
Matrix Spike/Matrix Spike Duplicate Raw Data	264	to	268
Initial Calibration Raw Data	269	to	301
Continuing Calibration Raw Data	300	to	318
Sample Raw Data	319	to	329
Extraction Log(s) / Injection Log(s)	330	to	332
SVOA GC/MS:			
Method Blank Raw Data	333	to	336
Laboratory Control Sample Raw Data	337	to	340
Matrix Spike/Matrix Spike Duplicate Raw Data	341	to	347
Tune Raw Data	348	to	354
Initial Calibration Raw Data	355	to	379
Continuing Calibration Raw Data	380	to	385
Sample Raw Data	386	to	396
Extraction Log(s) / Injection Log(s)	397	to	399

TABLE OF CONTENTS, cont

CLIENT: **MWH, Inc.**

PROJECT: **GW - SemiAnnual / ACS**

LAB WORKORDER: **ME0710178**

CHAIN-OF-CUSTODY: **79340**

CONTENTS:	Page		Page
VOA GC/MS:			
Method Blank Raw Data	400	to	403
Laboratory Control Sample Raw Data	404	to	407
Matrix Spike/Matrix Spike Duplicate Raw Data	408	to	414
Tune Raw Data	415	to	417
Initial Calibration Raw Data	418	to	441
Continuing Calibration Raw Data	442	to	447
Sample Raw Data	448	to	460
Injection Log(s)	461	to	462

Case Narrative
Wet Chemistry Analysis

Client: MWH, Inc.

Project: GW - SemiAnnual / ACS

Laboratory #: ME0710178

Five groundwater samples were received on 10/03/07 for analysis and reporting in accordance with our Level IV protocol. The samples were received in acceptable physical condition. Sample GW-PWD-30 was received but not listed on the chain of custody. The samples were analyzed for Cyanide using SW-846 Method 9012B.

The samples were collected on 10/02/07. The samples were prepared and analyzed on 10/08/07. All samples were prepared and analyzed within the prescribed maximum allowable holding times without exception.

The required instrument calibration and quality control tests were performed and the acceptance criteria met without exception.

The batch quality control tests were performed and the acceptance criteria met without exception.

Matrix evaluation was performed on sample ACS-GW-PWT-30. The accuracy and precision criteria were met without exception.

This Case Narrative was prepared by Allyl McCarron, QC Assistant.

Case Narrative
Metals Analysis

Client: MWH, Inc.

Project: GW - SemiAnnual / ACS

Laboratory #: ME0710178

Five groundwater samples were received on 10/03/07 for analysis and reporting in accordance with our Level IV protocol. The samples were received in acceptable physical condition. Sample GW-PWD-30 was received but not listed on the chain of custody. The samples were analyzed for the following analytes.

ANALYTE	METHOD
Various ICP Elements	SW-846 3010A/6020A
Mercury	SW-846 7470A

The samples were collected on 10/02/07. The samples were prepared on 10/04/07 and 10/06/07 and analyzed on 10/04/07, 10/05/07 and 10/08/07. All samples were analyzed within the prescribed maximum allowable holding time without exception. All digested samples were analyzed using a minimum dilution of 5. The appropriate dilution is noted on the instrument printout in the format of *Sample ID, dilution* (e.g. ME -01A, 5).

The required instrument calibrations and quality control tests were performed and the acceptance criteria met with the following exception.

- The ICV standard (SeqNo 1631440) failed for Aluminum with a high bias. This is considered insignificant as the sample concentrations were below the reporting limit.

The batch quality control tests were performed and the acceptance criteria met without exception.

Internal standards are added to all QC and environmental samples. The appropriate internal standard intensity recovery for each analyte meets the acceptance criteria.

Matrix evaluation was performed on sample ACS-GW-PWT-30. The accuracy and precision criteria were met without exception.

This Case Narrative was prepared by Allyl McCarron, QC Assistant.

Case Narrative
Pesticides / PCB Analysis

Client: MWH, Inc.

Project: GW - SemiAnnual / ACS

Laboratory #: ME0710178

Five groundwater samples were received on 10/03/07 for analysis and reporting in accordance with our Level IV protocol. The samples were received in acceptable physical condition. Sample GW-PWD-30 was received but not listed on the chain of custody. The samples were analyzed for Chlorinated Pesticides using SW-846 Method 3510/8081A and Polychlorinated Biphenyls using SW-846 Method 3510/8082.

The samples were collected on 10/02/07. The samples were extracted on 10/06/07 and analyzed on 10/09/07. All samples were prepared and analyzed within the prescribed maximum allowable holding times without exception.

The required instrument calibrations and quality control tests were performed and the acceptance criteria met without exception. For PCB analysis, multi-point calibration curves were established for Aroclor 1016 and 1260. Single-point CCV standards were used to quantitate the other Aroclors. Aroclor identification was performed by pattern matching a minimum of three peaks per Aroclor.

The batch quality control tests were performed and the acceptance criteria met with the following exception.

- The Laboratory Control Sample (LCS-3B-100607) failed for Aroclor 1260 with a high bias. This is considered insignificant as the sample concentrations were below the reporting limit.

Surrogate compounds are spiked into each sample to evaluate the extraction and analysis efficiency. One of the two surrogate compounds is required to meet the acceptance criteria. All environmental samples yielded acceptable surrogate recovery.

Matrix evaluation was performed on sample ACS-GW-PWT-30. The accuracy and precision criteria were met without exception.

This Case Narrative was prepared by Allyl McCarron, QC Assistant.

Case Narrative
SVOA Analysis

Client: MWH, Inc.

Project: GW - SemiAnnual / ACS

Laboratory #: ME0710178

Five groundwater samples were received on 10/03/07 for analysis and reporting in accordance with our Level IV protocol. The samples were received in acceptable physical condition. Sample GW-PWD-30 was received but not listed on the chain of custody. The samples were analyzed for Semi-volatile Organic Analytes using SW-846 Method 3510/8270C.

The samples were collected on 10/02/07. The samples were extracted on 10/06/07 and analyzed on 10/08/07. All samples were prepared and analyzed within the prescribed maximum allowable holding times without exception.

The required instrument calibration was performed and the acceptance criteria met. The grand mean average approach was used to assess linearity.

Prior to analysis, the resultant mass spectra for DFTPP met all method criteria, and all samples were analyzed within 12-hour analytical sequences.

Prior to daily analysis, a CCV standard was analyzed and the acceptance criteria met for all CCCs and SPCCs.

The batch quality control tests were performed and the acceptance criteria met without exception.

Three acid surrogate compounds and three base/neutral surrogate compounds are spiked into each sample to evaluate the extraction and analysis efficiency. One surrogate per fraction (acid versus base/neutral) is allowed to be outside of the acceptance criteria. All environmental samples yielded acceptable surrogate recovery.

Internal standards are spiked into each CCV standard and environmental sample. All internal standard responses met the criteria established for the CCVs. The internal standard responses in the environmental samples were evaluated and deemed adequate.

Matrix evaluation was performed on sample ACS-GW-PWT-30. The accuracy and precision criteria were met without exception.

This Case Narrative was prepared by Allyl McCarron, QC Assistant.

Case Narrative
VOA Analysis

Client: MWH, Inc.

Project: GW - SemiAnnual / ACS

Laboratory #: ME0710178

Six groundwater samples were received on 10/03/07 for analysis and reporting in accordance with our Level IV protocol. The samples were received in acceptable physical condition. Sample GW-PWD-30 was received but not listed on the chain of custody. The samples were analyzed for Volatile Organic Analytes using SW-846 Method 8260B. To achieve lower reporting limits these samples were analyzed using a 25-ml sample size.

The samples were collected on 10/02/07. The samples were analyzed on 10/10/07. All samples were analyzed within the prescribed maximum allowable holding time without exception.

The required instrument calibration was performed and the acceptance criteria met with the following listed exception. The grand mean average approach was used to assess linearity.

- Bromoform failed to meet the minimum average response criteria. This criterion is based on a 5-ml sample size. These standards were analyzed using a 25-ml purge volume. This data is typical for a 25-ml purge and considered acceptable.

Prior to analysis, the resultant mass spectra for BFB met all method criteria, and all samples were analyzed within 12-hour analytical sequences.

Prior to analysis, a CCV standard was analyzed and the acceptance criteria met for all CCCs and SPCCs with the following exception.

- Bromoform failed to meet the minimum response criteria in B101002. This criterion is based on a 5-ml sample size. These standards were analyzed using a 25-ml purge volume. This data is typical for a 25-ml purge and considered acceptable.

The batch quality control tests were performed and the acceptance criteria met without exception.

Surrogate compounds are spiked into each sample to evaluate analysis efficiency. All samples yielded acceptable surrogate recovery.

Internal standards are spiked into each CCV standard and environmental sample. All internal standard responses met the criteria established for the CCVs. The internal standard responses in the environmental samples were evaluated and deemed adequate.

Matrix evaluation was performed on sample ACS-GW-PWT-30. The accuracy and precision criteria were met without exception.

This Case Narrative was prepared by Allyl McCarron, QC Assistant.

October 11, 2007

Christopher Daly
MWH, Inc.
175 West Jackson Boulevard, Suite 1900
Chicago, IL 60604

Work Order No.: ME0710178

RE: GW - SemiAnnual / ACS

Dear Christopher Daly:

Microbac Laboratories, Inc. received 6 samples on 10/3/2007 2:10:00 PM for the analyses presented in the following report.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,
Microbac Laboratories, Inc.

Ronald J. Misiunas
Client Services Manager

Enclosures

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WORK ORDER SAMPLE SUMMARY

Date: *Thursday, October 11, 2007*

CLIENT: MWH, Inc.
Project: GW - SemiAnnual / ACS
Lab Order: ME0710178

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
ME0710178-01A	ACS-GW-RESTB01-30		10/2/2007 8:00:00 AM	10/3/2007
ME0710178-02A	ACS-GW-RESDUP01-3		10/2/2007 10:00:00 AM	10/3/2007
ME0710178-02B	ACS-GW-RESDUP01-3		10/2/2007 10:00:00 AM	10/3/2007
ME0710178-02C	ACS-GW-RESDUP01-3		10/2/2007 10:00:00 AM	10/3/2007
ME0710178-02D	ACS-GW-RESDUP01-3		10/2/2007 10:00:00 AM	10/3/2007
ME0710178-03A	ACS-GW-PWB-30		10/2/2007 11:15:00 AM	10/3/2007
ME0710178-03B	ACS-GW-PWB-30		10/2/2007 11:15:00 AM	10/3/2007
ME0710178-03C	ACS-GW-PWB-30		10/2/2007 11:15:00 AM	10/3/2007
ME0710178-03D	ACS-GW-PWB-30		10/2/2007 11:15:00 AM	10/3/2007
ME0710178-04A	ACS-GW-PWC-30		10/2/2007 12:20:00 PM	10/3/2007
ME0710178-04B	ACS-GW-PWC-30		10/2/2007 12:20:00 PM	10/3/2007
ME0710178-04C	ACS-GW-PWC-30		10/2/2007 12:20:00 PM	10/3/2007
ME0710178-04D	ACS-GW-PWC-30		10/2/2007 12:20:00 PM	10/3/2007
ME0710178-05A	ACS-GW-PWT-30		10/2/2007 2:35:00 PM	10/3/2007
ME0710178-05B	ACS-GW-PWT-30		10/2/2007 2:35:00 PM	10/3/2007
ME0710178-05C	ACS-GW-PWT-30		10/2/2007 2:35:00 PM	10/3/2007
ME0710178-05D	ACS-GW-PWT-30		10/2/2007 2:35:00 PM	10/3/2007
ME0710178-06A	ACS-GW-PWD-30		10/2/2007 4:45:00 PM	10/3/2007
ME0710178-06B	ACS-GW-PWD-30		10/2/2007 4:45:00 PM	10/3/2007
ME0710178-06C	ACS-GW-PWD-30		10/2/2007 4:45:00 PM	10/3/2007
ME0710178-06D	ACS-GW-PWD-30		10/2/2007 4:45:00 PM	10/3/2007

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-RESTB01-30	**Work Order / ID:**	ME0710178-01
Sample Description:		**Collection Date:**	10/02/07 08:00
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Acetone	A	***ND***	0.0020	0.0050		mg/L	1	10/10/07 08:23
Benzene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 08:23
Bromodichloromethane	A	***ND***	0.00050	0.0010		mg/L	1	10/10/07 08:23
Bromoform	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 08:23
Bromomethane	A	***ND***	0.00060	0.0020		mg/L	1	10/10/07 08:23
2-Butanone	A	***ND***	0.0015	0.0020		mg/L	1	10/10/07 08:23
Carbon Disulfide	A	***ND***	0.00040	0.0020		mg/L	1	10/10/07 08:23
Carbon tetrachloride	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 08:23
Chlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 08:23
Chloroethane	A	***ND***	0.00080	0.0020		mg/L	1	10/10/07 08:23
Chloroform	A	***ND***	0.00070	0.0010		mg/L	1	10/10/07 08:23
Chloromethane	A	***ND***	0.00030	0.0020		mg/L	1	10/10/07 08:23
Dibromochloromethane	A	***ND***	0.00060	0.0010		mg/L	1	10/10/07 08:23
1,1-Dichloroethane	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 08:23
1,2-Dichloroethane	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 08:23
1,1-Dichloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 08:23
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 08:23
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 08:23
1,2-Dichloropropane	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 08:23
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0010		mg/L	1	10/10/07 08:23
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 08:23
Ethylbenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 08:23
2-Hexanone	A	***ND***	0.0011	0.0020		mg/L	1	10/10/07 08:23
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0010		mg/L	1	10/10/07 08:23
Methylene chloride	A	***ND***	0.00070	0.0020		mg/L	1	10/10/07 08:23
Styrene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 08:23
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0010		mg/L	1	10/10/07 08:23
Tetrachloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 08:23
Toluene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 08:23
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 08:23
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0010		mg/L	1	10/10/07 08:23
Trichloroethene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 08:23
Vinyl chloride	A	***ND***	0.00040	0.0020		mg/L	1	10/10/07 08:23
Total Xylenes	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 08:23
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 08:23
1,2-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 08:23
1,3-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 08:23
1,4-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 08:23
Surr: 4-Bromofluorobenzene	S	87.9	0	74.3-123		%REC	1	10/10/07 08:23

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-RESTB01-30	**Work Order / ID:**	ME0710178-01
Sample Description:		**Collection Date:**	10/02/07 08:00
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	104	0	84.9-118		%REC	1	10/10/07 08:23
Surr: 1,2-Dichloroethane-d4	S	105	0	77.9-126		%REC	1	10/10/07 08:23
Surr: Toluene-d8	S	98.7	0	80.8-118		%REC	1	10/10/07 08:23

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-RESDUP01-30	**Work Order / ID:**	ME0710178-02
Sample Description:		**Collection Date:**	10/02/07 10:00
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
PESTICIDES/PCBS	Method: **SW8081A/8082**			Prep Date/Time: **10/06/07 13:15**	Analyst: **ALS**			
4,4´-DDD	A	***ND***	0.000034	0.0010		mg/L	1	10/09/07 01:16
4,4´-DDE	A	***ND***	0.000016	0.0010		mg/L	1	10/09/07 01:16
4,4´-DDT	A	***ND***	0.000016	0.0010		mg/L	1	10/09/07 01:16
Aldrin	A	***ND***	0.000016	0.000050		mg/L	1	10/09/07 01:16
Alpha-BHC	A	***ND***	0.000011	0.000050		mg/L	1	10/09/07 01:16
alpha-Chlordane	A	***ND***	0.000025	0.010		mg/L	1	10/09/07 01:16
Beta-BHC	A	***ND***	0.0000010	0.00020		mg/L	1	10/09/07 01:16
delta-BHC	A	***ND***	0.000016	0.0010		mg/L	1	10/09/07 01:16
Dieldrin	A	***ND***	0.000011	0.000050		mg/L	1	10/09/07 01:16
Endosulfan I	A	***ND***	0.000014	0.0010		mg/L	1	10/09/07 01:16
Endosulfan II	A	***ND***	0.000014	0.0010		mg/L	1	10/09/07 01:16
Endosulfan Sulfate	A	***ND***	0.000016	0.0010		mg/L	1	10/09/07 01:16
Endrin	A	***ND***	0.000014	0.0010		mg/L	1	10/09/07 01:16
Endrin Aldehyde	A	***ND***	0.0000010	0.0010		mg/L	1	10/09/07 01:16
Endrin Ketone	A	***ND***	0.000028	0.0010		mg/L	1	10/09/07 01:16
Gamma-BHC	A	***ND***	0.000011	0.00010		mg/L	1	10/09/07 01:16
gamma-Chlordane	A	***ND***	0.000011	0.010		mg/L	1	10/09/07 01:16
Heptachlor	A	***ND***	0.000014	0.00020		mg/L	1	10/09/07 01:16
Heptachlor Epoxide	A	***ND***	0.000016	0.00010		mg/L	1	10/09/07 01:16
Methoxychlor	A	***ND***	0.00019	0.0010		mg/L	1	10/09/07 01:16
Toxaphene	A	***ND***	0.00066	0.0020		mg/L	1	10/09/07 01:16
Aroclor 1016	A	***ND***	0.00011	0.00050		mg/L	1	10/09/07 01:16
Aroclor 1221	A	***ND***	0.00050	0.00050		mg/L	1	10/09/07 01:16
Aroclor 1232	A	***ND***	0.00050	0.00050		mg/L	1	10/09/07 01:16
Aroclor 1242	A	***ND***	0.000098	0.00050		mg/L	1	10/09/07 01:16
Aroclor 1248	A	***ND***	0.00014	0.00050		mg/L	1	10/09/07 01:16
Aroclor 1254	A	***ND***	0.00017	0.00050		mg/L	1	10/09/07 01:16
Aroclor 1260	A	***ND***	0.00011	0.00050		mg/L	1	10/09/07 01:16
Surr: Tetrachloro-m-xylene	S	75.0	0	7.58-153		%REC	1	10/09/07 01:16
Surr: Decachlorobiphenyl	S	80.0	0	15.4-169		%REC	1	10/09/07 01:16
TOTAL METALS	Method: **SW6020A**			Prep Date/Time: **10/04/07 08:35**	Analyst: **SAA**			
Aluminum	A	***ND***	0.0043	0.20		mg/L	5	10/04/07 18:05
Antimony	A	***0.00058***	0.000038	0.0060	Jb	mg/L	5	10/04/07 18:05
Arsenic	A	***0.0014***	0.00031	0.010	J	mg/L	5	10/04/07 18:05
Barium	A	***0.12***	0.000058	0.0020		mg/L	5	10/04/07 18:05
Beryllium	A	***ND***	0.00096	0.0010		mg/L	5	10/05/07 14:53
Cadmium	A	***ND***	0.0000044	0.0020		mg/L	5	10/04/07 18:05

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-RESDUP01-30	**Work Order / ID:**	ME0710178-02
Sample Description:		**Collection Date:**	10/02/07 10:00
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
TOTAL METALS	Method: **SW6020A**			Prep Date/Time: **10/04/07 08:35**		Analyst: **SAA**		
Calcium	A	***83***	0.018	0.50		mg/L	5	10/04/07 18:05
Chromium	A	***0.0012***	0.00083	0.0030	J	mg/L	5	10/04/07 18:05
Cobalt	A	***0.00017***	0.0000019	0.0030	J	mg/L	5	10/04/07 18:05
Copper	A	***0.0048***	0.000088	0.010	J	mg/L	5	10/04/07 18:05
Iron	A	***2.4***	0.021	0.050		mg/L	5	10/04/07 18:05
Lead	A	***0.00085***	0.00012	0.0075	J	mg/L	5	10/04/07 18:05
Magnesium	A	***41***	0.0017	0.50		mg/L	5	10/04/07 18:05
Manganese	A	***0.060***	0.000074	0.0020		mg/L	5	10/04/07 18:05
Nickel	A	***0.00085***	0.000031	0.010	J	mg/L	5	10/04/07 18:05
Potassium	A	***1.7***	0.0040	0.50		mg/L	5	10/04/07 18:05
Selenium	A	***0.0015***	0.000043	0.0050	Jb	mg/L	5	10/04/07 18:05
Silver	A	***0.000014***	0.0000025	0.010	J	mg/L	5	10/04/07 18:05
Sodium	A	***24***	0.0045	0.50		mg/L	5	10/04/07 18:05
Thallium	A	***0.0026***	0.0000065	0.0020	b	mg/L	5	10/04/07 18:05
Vanadium	A	***ND***	0.0011	0.0080		mg/L	5	10/04/07 18:05
Zinc	A	***0.0062***	0.0038	0.020	J	mg/L	5	10/04/07 18:05
TOTAL METALS	Method: **SW7470A**			Prep Date/Time: **10/06/07 10:35**		Analyst: **AVC**		
Mercury	A	***ND***	0.000030	0.00020		mg/L	1	10/08/07 14:12
SEMIVOLATILE ORGANICS	Method: **SW8270C**			Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**		
4-Bromophenyl phenyl ether	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 19:40
Bis(2-ethylhexyl)phthalate	A	***ND***	0.0011	0.010		mg/L	1	10/08/07 19:40
Acenaphthene	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 19:40
Acenaphthylene	A	***ND***	0.00071	0.010		mg/L	1	10/08/07 19:40
Anthracene	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 19:40
Benzo[a]anthracene	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 19:40
Benzo[a]pyrene	A	***0.0011***	0.00092	0.010	Jb	mg/L	1	10/08/07 19:40
Benzo[b]fluoranthene	A	***ND***	0.0016	0.010		mg/L	1	10/08/07 19:40
Benzo[g,h,i]perylene	A	***0.0012***	0.0010	0.010	Jb	mg/L	1	10/08/07 19:40
Benzo[k]fluoranthene	A	***ND***	0.0022	0.010		mg/L	1	10/08/07 19:40
Bis(2-chloroethoxy)methane	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 19:40
Bis(2-chloroethyl)ether	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 19:40
Bis(2-chloroisopropyl)ether	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 19:40
Butyl benzyl phthalate	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 19:40
Carbazole	A	***ND***	0.0012	0.010		mg/L	1	10/08/07 19:40
4-Chloro-3-methylphenol	A	***ND***	0.0012	0.020		mg/L	1	10/08/07 19:40
4-Chloroaniline	A	***ND***	0.0010	0.020		mg/L	1	10/08/07 19:40
2-Chloronaphthalene	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 19:40

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-RESDUP01-30	**Work Order / ID:**	ME0710178-02
Sample Description:		**Collection Date:**	10/02/07 10:00
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMIVOLATILE ORGANICS	Method: **SW8270C**			Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**		
2-Chlorophenol	A	***ND***	0.00071	0.010		mg/L	1	10/08/07 19:40
4-Chlorophenyl phenyl ether	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 19:40
Chrysene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 19:40
Dibenz[a,h]anthracene	A	***0.0017***	0.00092	0.010	Jb	mg/L	1	10/08/07 19:40
Dibenzofuran	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 19:40
3,3´-Dichlorobenzidine	A	***ND***	0.00071	0.051		mg/L	1	10/08/07 19:40
2,4-Dichlorophenol	A	***ND***	0.00071	0.010		mg/L	1	10/08/07 19:40
Diethyl phthalate	A	***ND***	0.0011	0.010		mg/L	1	10/08/07 19:40
Dimethyl phthalate	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 19:40
2,4-Dimethylphenol	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 19:40
Di-n-butyl phthalate	A	***ND***	0.0012	0.010		mg/L	1	10/08/07 19:40
Di-n-octyl phthalate	A	***ND***	0.0011	0.010		mg/L	1	10/08/07 19:40
4,6-Dinitro-2-methylphenol	A	***ND***	0.0011	0.051		mg/L	1	10/08/07 19:40
2,4-Dinitrophenol	A	***ND***	0.0096	0.051		mg/L	1	10/08/07 19:40
2,4-Dinitrotoluene	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 19:40
2,6-Dinitrotoluene	A	***ND***	0.0011	0.010		mg/L	1	10/08/07 19:40
Fluoranthene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 19:40
Fluorene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 19:40
Hexachlorobenzene	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 19:40
Hexachlorobutadiene	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 19:40
Hexachlorocyclopentadiene	A	***ND***	0.00061	0.010		mg/L	1	10/08/07 19:40
Hexachloroethane	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 19:40
Indeno[1,2,3cd]pyrene	A	***0.0012***	0.0010	0.010	Jb	mg/L	1	10/08/07 19:40
Isophorone	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 19:40
2-Methylnaphthalene	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 19:40
2-Methylphenol	A	***ND***	0.00071	0.010		mg/L	1	10/08/07 19:40
3/4-Methylphenol	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 19:40
2-Nitroaniline	A	***ND***	0.0010	0.051		mg/L	1	10/08/07 19:40
3-Nitroaniline	A	***ND***	0.0013	0.051		mg/L	1	10/08/07 19:40
4-Nitroaniline	A	***ND***	0.0017	0.051		mg/L	1	10/08/07 19:40
2-Nitrophenol	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 19:40
4-Nitrophenol	A	***ND***	0.0044	0.051		mg/L	1	10/08/07 19:40
N-Nitrosodi-n-propylamine	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 19:40
N-Nitrosodiphenylamine	A	***ND***	0.00071	0.010		mg/L	1	10/08/07 19:40
Naphthalene	A	***ND***	0.00071	0.010		mg/L	1	10/08/07 19:40
Nitrobenzene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 19:40
Pentachlorophenol	A	***ND***	0.0013	0.051		mg/L	1	10/08/07 19:40
Phenanthrene	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 19:40
Phenol	A	***ND***	0.00041	0.010		mg/L	1	10/08/07 19:40

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-RESDUP01-30	**Work Order / ID:**	ME0710178-02
Sample Description:		**Collection Date:**	10/02/07 10:00
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMIVOLATILE ORGANICS	Method: **SW8270C**			Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**		
Pyrene	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 19:40
2,4,5-Trichlorophenol	A	***ND***	0.0015	0.010		mg/L	1	10/08/07 19:40
2,4,6-Trichlorophenol	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 19:40
Surr: Nitrobenzene-d5	S	56.7	0	10-121		%REC	1	10/08/07 19:40
Surr: 2-Fluorobiphenyl	S	59.2	0	10-109		%REC	1	10/08/07 19:40
Surr: Terphenyl-d14	S	75.2	0	10-130		%REC	1	10/08/07 19:40
Surr: Phenol-d5	S	23.1	0	10-100		%REC	1	10/08/07 19:40
Surr: 2-Fluorophenol	S	36.0	0	10-84.7		%REC	1	10/08/07 19:40
Surr: 2,4,6-Tribromophenol	S	71.8	0	10-120		%REC	1	10/08/07 19:40
VOC'S	Method: **SW8260B**			Prep Date/Time:		Analyst: **NLT**		
Acetone	A	***ND***	0.0020	0.0050		mg/L	1	10/10/07 08:55
Benzene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 08:55
Bromodichloromethane	A	***ND***	0.00050	0.0010		mg/L	1	10/10/07 08:55
Bromoform	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 08:55
Bromomethane	A	***ND***	0.00060	0.0020		mg/L	1	10/10/07 08:55
2-Butanone	A	***ND***	0.0015	0.0020		mg/L	1	10/10/07 08:55
Carbon Disulfide	A	***ND***	0.00040	0.0020		mg/L	1	10/10/07 08:55
Carbon tetrachloride	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 08:55
Chlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 08:55
Chloroethane	A	***ND***	0.00080	0.0020		mg/L	1	10/10/07 08:55
Chloroform	A	***ND***	0.00070	0.0010		mg/L	1	10/10/07 08:55
Chloromethane	A	***ND***	0.00030	0.0020		mg/L	1	10/10/07 08:55
Dibromochloromethane	A	***ND***	0.00060	0.0010		mg/L	1	10/10/07 08:55
1,1-Dichloroethane	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 08:55
1,2-Dichloroethane	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 08:55
1,1-Dichloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 08:55
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 08:55
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 08:55
1,2-Dichloropropane	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 08:55
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0010		mg/L	1	10/10/07 08:55
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 08:55
Ethylbenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 08:55
2-Hexanone	A	***ND***	0.0011	0.0020		mg/L	1	10/10/07 08:55
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0010		mg/L	1	10/10/07 08:55
Methylene chloride	A	***ND***	0.00070	0.0020		mg/L	1	10/10/07 08:55
Styrene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 08:55
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0010		mg/L	1	10/10/07 08:55

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-RESDUP01-30	**Work Order / ID:**	ME0710178-02
Sample Description:		**Collection Date:**	10/02/07 10:00
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Tetrachloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 08:55
Toluene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 08:55
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 08:55
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0010		mg/L	1	10/10/07 08:55
Trichloroethene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 08:55
Vinyl chloride	A	***ND***	0.00040	0.0020		mg/L	1	10/10/07 08:55
Total Xylenes	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 08:55
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 08:55
1,2-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 08:55
1,3-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 08:55
1,4-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 08:55
Surr: 4-Bromofluorobenzene	S	88.4	0	74.3-123		%REC	1	10/10/07 08:55
Surr: Dibromofluoromethane	S	104	0	84.9-118		%REC	1	10/10/07 08:55
Surr: 1,2-Dichloroethane-d4	S	106	0	77.9-126		%REC	1	10/10/07 08:55
Surr: Toluene-d8	S	99.6	0	80.8-118		%REC	1	10/10/07 08:55
TOTAL CYANIDE	Method: **SW-9012B**			Prep Date/Time: **10/08/07 07:45**				Analyst: **RPL**
Cyanide, Total	A	***ND***	0.0020	0.0050		mg/L	1	10/08/07 14:18

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWB-30	**Work Order / ID:**	ME0710178-03
Sample Description:		**Collection Date:**	10/02/07 11:15
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
PESTICIDES/PCBS	Method: **SW8081A/8082**			Prep Date/Time: **10/06/07 13:15**		Analyst: **ALS**		
4,4´-DDD	A	***ND***	0.000034	0.0010		mg/L	1	10/09/07 01:43
4,4´-DDE	A	***ND***	0.000016	0.0010		mg/L	1	10/09/07 01:43
4,4´-DDT	A	***ND***	0.000016	0.0010		mg/L	1	10/09/07 01:43
Aldrin	A	***ND***	0.000016	0.000051		mg/L	1	10/09/07 01:43
Alpha-BHC	A	***ND***	0.000011	0.000051		mg/L	1	10/09/07 01:43
alpha-Chlordane	A	***ND***	0.000025	0.010		mg/L	1	10/09/07 01:43
Beta-BHC	A	***ND***	0.0000010	0.00020		mg/L	1	10/09/07 01:43
delta-BHC	A	***ND***	0.000016	0.0010		mg/L	1	10/09/07 01:43
Dieldrin	A	***ND***	0.000011	0.000051		mg/L	1	10/09/07 01:43
Endosulfan I	A	***ND***	0.000014	0.0010		mg/L	1	10/09/07 01:43
Endosulfan II	A	***ND***	0.000014	0.0010		mg/L	1	10/09/07 01:43
Endosulfan Sulfate	A	***ND***	0.000016	0.0010		mg/L	1	10/09/07 01:43
Endrin	A	***ND***	0.000014	0.0010		mg/L	1	10/09/07 01:43
Endrin Aldehyde	A	***ND***	0.0000010	0.0010		mg/L	1	10/09/07 01:43
Endrin Ketone	A	***ND***	0.000028	0.0010		mg/L	1	10/09/07 01:43
Gamma-BHC	A	***ND***	0.000011	0.00010		mg/L	1	10/09/07 01:43
gamma-Chlordane	A	***ND***	0.000011	0.010		mg/L	1	10/09/07 01:43
Heptachlor	A	***ND***	0.000014	0.00020		mg/L	1	10/09/07 01:43
Heptachlor Epoxide	A	***ND***	0.000016	0.00010		mg/L	1	10/09/07 01:43
Methoxychlor	A	***ND***	0.00019	0.0010		mg/L	1	10/09/07 01:43
Toxaphene	A	***ND***	0.00067	0.0020		mg/L	1	10/09/07 01:43
Aroclor 1016	A	***ND***	0.00011	0.00051		mg/L	1	10/09/07 01:43
Aroclor 1221	A	***ND***	0.00051	0.00051		mg/L	1	10/09/07 01:43
Aroclor 1232	A	***ND***	0.00051	0.00051		mg/L	1	10/09/07 01:43
Aroclor 1242	A	***ND***	0.000099	0.00051		mg/L	1	10/09/07 01:43
Aroclor 1248	A	***ND***	0.00014	0.00051		mg/L	1	10/09/07 01:43
Aroclor 1254	A	***ND***	0.00017	0.00051		mg/L	1	10/09/07 01:43
Aroclor 1260	A	***ND***	0.00011	0.00051		mg/L	1	10/09/07 01:43
Surr: Tetrachloro-m-xylene	S	80.0	0	7.58-153		%REC	1	10/09/07 01:43
Surr: Decachlorobiphenyl	S	85.0	0	15.4-169		%REC	1	10/09/07 01:43
TOTAL METALS	Method: **SW6020A**			Prep Date/Time: **10/04/07 08:35**		Analyst: **SAA**		
Aluminum	A	***ND***	0.0043	0.20		mg/L	5	10/04/07 18:30
Antimony	A	***0.00011***	0.000038	0.0060	Jb	mg/L	5	10/04/07 18:30
Arsenic	A	***0.00041***	0.00031	0.010	J	mg/L	5	10/04/07 18:30
Barium	A	***0.12***	0.000058	0.0020		mg/L	5	10/04/07 18:30
Beryllium	A	***ND***	0.00096	0.0010		mg/L	5	10/05/07 14:59
Cadmium	A	***ND***	0.0000044	0.0020		mg/L	5	10/04/07 18:30

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWB-30	**Work Order / ID:**	ME0710178-03
Sample Description:		**Collection Date:**	10/02/07 11:15
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
TOTAL METALS	Method: **SW6020A**			Prep Date/Time: **10/04/07 08:35**		Analyst: **SAA**		
Calcium	A	***80***	0.018	0.50		mg/L	5	10/04/07 18:30
Chromium	A	***ND***	0.00083	0.0030		mg/L	5	10/04/07 18:30
Cobalt	A	***0.00016***	0.0000019	0.0030	J	mg/L	5	10/04/07 18:30
Copper	A	***0.0033***	0.000088	0.010	J	mg/L	5	10/04/07 18:30
Iron	A	***2.3***	0.021	0.050		mg/L	5	10/04/07 18:30
Lead	A	***0.00029***	0.00012	0.0075	J	mg/L	5	10/04/07 18:30
Magnesium	A	***40***	0.0017	0.50		mg/L	5	10/04/07 18:30
Manganese	A	***0.060***	0.000074	0.0020		mg/L	5	10/04/07 18:30
Nickel	A	***0.0014***	0.000031	0.010	J	mg/L	5	10/04/07 18:30
Potassium	A	***1.7***	0.0040	0.50		mg/L	5	10/04/07 18:30
Selenium	A	***0.00026***	0.000043	0.0050	Jb	mg/L	5	10/04/07 18:30
Silver	A	***ND***	0.0000025	0.010		mg/L	5	10/04/07 18:30
Sodium	A	***23***	0.0045	0.50		mg/L	5	10/04/07 18:30
Thallium	A	***0.00028***	0.0000065	0.0020	Jb	mg/L	5	10/04/07 18:30
Vanadium	A	***ND***	0.0011	0.0080		mg/L	5	10/04/07 18:30
Zinc	A	***0.0073***	0.0038	0.020	J	mg/L	5	10/04/07 18:30
TOTAL METALS	Method: **SW7470A**			Prep Date/Time: **10/06/07 10:35**		Analyst: **AVC**		
Mercury	A	***ND***	0.000030	0.00020		mg/L	1	10/08/07 14:13
SEMIVOLATILE ORGANICS	Method: **SW8270C**			Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**		
4-Bromophenyl phenyl ether	A	***ND***	0.00093	0.010		mg/L	1	10/08/07 20:29
Bis(2-ethylhexyl)phthalate	A	***ND***	0.0011	0.010		mg/L	1	10/08/07 20:29
Acenaphthene	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 20:29
Acenaphthylene	A	***ND***	0.00072	0.010		mg/L	1	10/08/07 20:29
Anthracene	A	***ND***	0.00093	0.010		mg/L	1	10/08/07 20:29
Benzo[a]anthracene	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 20:29
Benzo[a]pyrene	A	***0.0015***	0.00093	0.010	Jb	mg/L	1	10/08/07 20:29
Benzo[b]fluoranthene	A	***ND***	0.0016	0.010		mg/L	1	10/08/07 20:29
Benzo[g,h,i]perylene	A	***0.0014***	0.0010	0.010	Jb	mg/L	1	10/08/07 20:29
Benzo[k]fluoranthene	A	***ND***	0.0023	0.010		mg/L	1	10/08/07 20:29
Bis(2-chloroethoxy)methane	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 20:29
Bis(2-chloroethyl)ether	A	***ND***	0.00093	0.010		mg/L	1	10/08/07 20:29
Bis(2-chloroisopropyl)ether	A	***ND***	0.00093	0.010		mg/L	1	10/08/07 20:29
Butyl benzyl phthalate	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 20:29
Carbazole	A	***ND***	0.0012	0.010		mg/L	1	10/08/07 20:29
4-Chloro-3-methylphenol	A	***ND***	0.0012	0.021		mg/L	1	10/08/07 20:29
4-Chloroaniline	A	***ND***	0.0010	0.021		mg/L	1	10/08/07 20:29
2-Chloronaphthalene	A	***ND***	0.00093	0.010		mg/L	1	10/08/07 20:29

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWB-30	**Work Order / ID:**	ME0710178-03
Sample Description:		**Collection Date:**	10/02/07 11:15
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMIVOLATILE ORGANICS	Method: **SW8270C**			Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**		
2-Chlorophenol	A	***ND***	0.00072	0.010		mg/L	1	10/08/07 20:29
4-Chlorophenyl phenyl ether	A	***ND***	0.00093	0.010		mg/L	1	10/08/07 20:29
Chrysene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 20:29
Dibenz[a,h]anthracene	A	***0.0016***	0.00093	0.010	Jb	mg/L	1	10/08/07 20:29
Dibenzofuran	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 20:29
3,3´-Dichlorobenzidine	A	***ND***	0.00072	0.052		mg/L	1	10/08/07 20:29
2,4-Dichlorophenol	A	***ND***	0.00072	0.010		mg/L	1	10/08/07 20:29
Diethyl phthalate	A	***ND***	0.0011	0.010		mg/L	1	10/08/07 20:29
Dimethyl phthalate	A	***ND***	0.00093	0.010		mg/L	1	10/08/07 20:29
2,4-Dimethylphenol	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 20:29
Di-n-butyl phthalate	A	***ND***	0.0012	0.010		mg/L	1	10/08/07 20:29
Di-n-octyl phthalate	A	***ND***	0.0011	0.010		mg/L	1	10/08/07 20:29
4,6-Dinitro-2-methylphenol	A	***ND***	0.0011	0.052		mg/L	1	10/08/07 20:29
2,4-Dinitrophenol	A	***ND***	0.0097	0.052		mg/L	1	10/08/07 20:29
2,4-Dinitrotoluene	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 20:29
2,6-Dinitrotoluene	A	***ND***	0.0011	0.010		mg/L	1	10/08/07 20:29
Fluoranthene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 20:29
Fluorene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 20:29
Hexachlorobenzene	A	***ND***	0.00093	0.010		mg/L	1	10/08/07 20:29
Hexachlorobutadiene	A	***ND***	0.00093	0.010		mg/L	1	10/08/07 20:29
Hexachlorocyclopentadiene	A	***ND***	0.00062	0.010		mg/L	1	10/08/07 20:29
Hexachloroethane	A	***ND***	0.00093	0.010		mg/L	1	10/08/07 20:29
Indeno[1,2,3cd]pyrene	A	***0.0015***	0.0010	0.010	Jb	mg/L	1	10/08/07 20:29
Isophorone	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 20:29
2-Methylnaphthalene	A	***ND***	0.00093	0.010		mg/L	1	10/08/07 20:29
2-Methylphenol	A	***ND***	0.00072	0.010		mg/L	1	10/08/07 20:29
3/4-Methylphenol	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 20:29
2-Nitroaniline	A	***ND***	0.0010	0.052		mg/L	1	10/08/07 20:29
3-Nitroaniline	A	***ND***	0.0013	0.052		mg/L	1	10/08/07 20:29
4-Nitroaniline	A	***ND***	0.0018	0.052		mg/L	1	10/08/07 20:29
2-Nitrophenol	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 20:29
4-Nitrophenol	A	***ND***	0.0044	0.052		mg/L	1	10/08/07 20:29
N-Nitrosodi-n-propylamine	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 20:29
N-Nitrosodiphenylamine	A	***ND***	0.00072	0.010		mg/L	1	10/08/07 20:29
Naphthalene	A	***ND***	0.00072	0.010		mg/L	1	10/08/07 20:29
Nitrobenzene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 20:29
Pentachlorophenol	A	***ND***	0.0013	0.052		mg/L	1	10/08/07 20:29
Phenanthrene	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 20:29
Phenol	A	***ND***	0.00041	0.010		mg/L	1	10/08/07 20:29

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWB-30	**Work Order / ID:**	ME0710178-03
Sample Description:		**Collection Date:**	10/02/07 11:15
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMIVOLATILE ORGANICS	Method: **SW8270C**			Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**		
Pyrene	A	***ND***	0.00093	0.010		mg/L	1	10/08/07 20:29
2,4,5-Trichlorophenol	A	***ND***	0.0015	0.010		mg/L	1	10/08/07 20:29
2,4,6-Trichlorophenol	A	***ND***	0.00093	0.010		mg/L	1	10/08/07 20:29
Surr: Nitrobenzene-d5	S	54.5	0	10-121		%REC	1	10/08/07 20:29
Surr: 2-Fluorobiphenyl	S	55.6	0	10-109		%REC	1	10/08/07 20:29
Surr: Terphenyl-d14	S	76.0	0	10-130		%REC	1	10/08/07 20:29
Surr: Phenol-d5	S	22.4	0	10-100		%REC	1	10/08/07 20:29
Surr: 2-Fluorophenol	S	36.2	0	10-84.7		%REC	1	10/08/07 20:29
Surr: 2,4,6-Tribromophenol	S	67.9	0	10-120		%REC	1	10/08/07 20:29
VOC'S	Method: **SW8260B**			Prep Date/Time:		Analyst: **NLT**		
Acetone	A	***ND***	0.0020	0.0050		mg/L	1	10/10/07 09:27
Benzene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 09:27
Bromodichloromethane	A	***ND***	0.00050	0.0010		mg/L	1	10/10/07 09:27
Bromoform	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 09:27
Bromomethane	A	***ND***	0.00060	0.0020		mg/L	1	10/10/07 09:27
2-Butanone	A	***ND***	0.0015	0.0020		mg/L	1	10/10/07 09:27
Carbon Disulfide	A	***ND***	0.00040	0.0020		mg/L	1	10/10/07 09:27
Carbon tetrachloride	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 09:27
Chlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 09:27
Chloroethane	A	***ND***	0.00080	0.0020		mg/L	1	10/10/07 09:27
Chloroform	A	***ND***	0.00070	0.0010		mg/L	1	10/10/07 09:27
Chloromethane	A	***ND***	0.00030	0.0020		mg/L	1	10/10/07 09:27
Dibromochloromethane	A	***ND***	0.00060	0.0010		mg/L	1	10/10/07 09:27
1,1-Dichloroethane	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 09:27
1,2-Dichloroethane	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 09:27
1,1-Dichloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 09:27
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 09:27
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 09:27
1,2-Dichloropropane	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 09:27
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0010		mg/L	1	10/10/07 09:27
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 09:27
Ethylbenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 09:27
2-Hexanone	A	***ND***	0.0011	0.0020		mg/L	1	10/10/07 09:27
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0010		mg/L	1	10/10/07 09:27
Methylene chloride	A	***ND***	0.00070	0.0020		mg/L	1	10/10/07 09:27
Styrene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 09:27
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0010		mg/L	1	10/10/07 09:27

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWB-30	**Work Order / ID:**	ME0710178-03
Sample Description:		**Collection Date:**	10/02/07 11:15
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Tetrachloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 09:27
Toluene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 09:27
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 09:27
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0010		mg/L	1	10/10/07 09:27
Trichloroethene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 09:27
Vinyl chloride	A	***ND***	0.00040	0.0020		mg/L	1	10/10/07 09:27
Total Xylenes	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 09:27
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 09:27
1,2-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 09:27
1,3-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 09:27
1,4-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 09:27
Surr: 4-Bromofluorobenzene	S	87.1	0	74.3-123		%REC	1	10/10/07 09:27
Surr: Dibromofluoromethane	S	104	0	84.9-118		%REC	1	10/10/07 09:27
Surr: 1,2-Dichloroethane-d4	S	104	0	77.9-126		%REC	1	10/10/07 09:27
Surr: Toluene-d8	S	98.7	0	80.8-118		%REC	1	10/10/07 09:27
TOTAL CYANIDE	Method: **SW-9012B**			Prep Date/Time: **10/08/07 07:45**				Analyst: **RPL**
Cyanide, Total	A	***ND***	0.0020	0.0050		mg/L	1	10/08/07 14:20

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWC-30	**Work Order / ID:**	ME0710178-04
Sample Description:		**Collection Date:**	10/02/07 12:20
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
PESTICIDES/PCBS	Method: **SW8081A/8082**			Prep Date/Time: **10/06/07 13:15**		Analyst: **ALS**		
4,4´-DDD	A	***ND***	0.000035	0.0010		mg/L	1	10/09/07 02:11
4,4´-DDE	A	***ND***	0.000017	0.0010		mg/L	1	10/09/07 02:11
4,4´-DDT	A	***ND***	0.000017	0.0010		mg/L	1	10/09/07 02:11
Aldrin	A	***ND***	0.000017	0.000052		mg/L	1	10/09/07 02:11
Alpha-BHC	A	***ND***	0.000011	0.000052		mg/L	1	10/09/07 02:11
alpha-Chlordane	A	***ND***	0.000026	0.010		mg/L	1	10/09/07 02:11
Beta-BHC	A	***ND***	0.0000010	0.00021		mg/L	1	10/09/07 02:11
delta-BHC	A	***ND***	0.000017	0.0010		mg/L	1	10/09/07 02:11
Dieldrin	A	***ND***	0.000011	0.000052		mg/L	1	10/09/07 02:11
Endosulfan I	A	***ND***	0.000015	0.0010		mg/L	1	10/09/07 02:11
Endosulfan II	A	***ND***	0.000015	0.0010		mg/L	1	10/09/07 02:11
Endosulfan Sulfate	A	***ND***	0.000017	0.0010		mg/L	1	10/09/07 02:11
Endrin	A	***ND***	0.000015	0.0010		mg/L	1	10/09/07 02:11
Endrin Aldehyde	A	***ND***	0.0000010	0.0010		mg/L	1	10/09/07 02:11
Endrin Ketone	A	***ND***	0.000029	0.0010		mg/L	1	10/09/07 02:11
Gamma-BHC	A	***ND***	0.000011	0.00010		mg/L	1	10/09/07 02:11
gamma-Chlordane	A	***ND***	0.000011	0.010		mg/L	1	10/09/07 02:11
Heptachlor	A	***ND***	0.000015	0.00021		mg/L	1	10/09/07 02:11
Heptachlor Epoxide	A	***ND***	0.000017	0.00010		mg/L	1	10/09/07 02:11
Methoxychlor	A	***ND***	0.00020	0.0010		mg/L	1	10/09/07 02:11
Toxaphene	A	***ND***	0.00069	0.0021		mg/L	1	10/09/07 02:11
Aroclor 1016	A	***ND***	0.00011	0.00052		mg/L	1	10/09/07 02:11
Aroclor 1221	A	***ND***	0.00052	0.00052		mg/L	1	10/09/07 02:11
Aroclor 1232	A	***ND***	0.00052	0.00052		mg/L	1	10/09/07 02:11
Aroclor 1242	A	***ND***	0.00010	0.00052		mg/L	1	10/09/07 02:11
Aroclor 1248	A	***ND***	0.00015	0.00052		mg/L	1	10/09/07 02:11
Aroclor 1254	A	***ND***	0.00018	0.00052		mg/L	1	10/09/07 02:11
Aroclor 1260	A	***ND***	0.00011	0.00052		mg/L	1	10/09/07 02:11
Surr: Tetrachloro-m-xylene	S	80.0	0	7.58-153		%REC	1	10/09/07 02:11
Surr: Decachlorobiphenyl	S	90.0	0	15.4-169		%REC	1	10/09/07 02:11
TOTAL METALS	Method: **SW6020A**			Prep Date/Time: **10/04/07 08:35**		Analyst: **SAA**		
Aluminum	A	***ND***	0.0043	0.20		mg/L	5	10/04/07 18:36
Antimony	A	***0.000068***	0.000038	0.0060	Jb	mg/L	5	10/04/07 18:36
Arsenic	A	***0.00047***	0.00031	0.010	J	mg/L	5	10/04/07 18:36
Barium	A	***0.15***	0.000058	0.0020		mg/L	5	10/04/07 18:36
Beryllium	A	***ND***	0.00096	0.0010		mg/L	5	10/05/07 15:06
Cadmium	A	***0.000014***	0.0000044	0.0020	J	mg/L	5	10/04/07 18:36

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWC-30	**Work Order / ID:**	ME0710178-04
Sample Description:		**Collection Date:**	10/02/07 12:20
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
TOTAL METALS	Method: **SW6020A**			Prep Date/Time: **10/04/07 08:35**		Analyst: **SAA**		
Calcium	A	***86***	0.018	0.50		mg/L	5	10/04/07 18:36
Chromium	A	***ND***	0.00083	0.0030		mg/L	5	10/04/07 18:36
Cobalt	A	***0.00017***	0.0000019	0.0030	J	mg/L	5	10/04/07 18:36
Copper	A	***0.0089***	0.000088	0.010	J	mg/L	5	10/04/07 18:36
Iron	A	***3.5***	0.021	0.050		mg/L	5	10/04/07 18:36
Lead	A	***0.00059***	0.00012	0.0075	J	mg/L	5	10/04/07 18:36
Magnesium	A	***49***	0.0017	0.50		mg/L	5	10/04/07 18:36
Manganese	A	***0.035***	0.000074	0.0020		mg/L	5	10/04/07 18:36
Nickel	A	***0.0022***	0.000031	0.010	J	mg/L	5	10/04/07 18:36
Potassium	A	***2.2***	0.0040	0.50		mg/L	5	10/04/07 18:36
Selenium	A	***ND***	0.000043	0.0050		mg/L	5	10/04/07 18:36
Silver	A	***ND***	0.0000025	0.010		mg/L	5	10/04/07 18:36
Sodium	A	***17***	0.0045	0.50		mg/L	5	10/04/07 18:36
Thallium	A	***0.00016***	0.0000065	0.0020	Jb	mg/L	5	10/04/07 18:36
Vanadium	A	***ND***	0.0011	0.0080		mg/L	5	10/04/07 18:36
Zinc	A	***0.021***	0.0038	0.020		mg/L	5	10/04/07 18:36
TOTAL METALS	Method: **SW7470A**			Prep Date/Time: **10/06/07 10:35**		Analyst: **AVC**		
Mercury	A	***ND***	0.000030	0.00020		mg/L	1	10/08/07 14:15
SEMIVOLATILE ORGANICS	Method: **SW8270C**			Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**		
4-Bromophenyl phenyl ether	A	***ND***	0.00091	0.010		mg/L	1	10/08/07 20:53
Bis(2-ethylhexyl)phthalate	A	***ND***	0.0011	0.010		mg/L	1	10/08/07 20:53
Acenaphthene	A	***ND***	0.00081	0.010		mg/L	1	10/08/07 20:53
Acenaphthylene	A	***ND***	0.00071	0.010		mg/L	1	10/08/07 20:53
Anthracene	A	***ND***	0.00091	0.010		mg/L	1	10/08/07 20:53
Benzo[a]anthracene	A	***ND***	0.00081	0.010		mg/L	1	10/08/07 20:53
Benzo[a]pyrene	A	***ND***	0.00091	0.010		mg/L	1	10/08/07 20:53
Benzo[b]fluoranthene	A	***ND***	0.0016	0.010		mg/L	1	10/08/07 20:53
Benzo[g,h,i]perylene	A	***0.0015***	0.0010	0.010	Jb	mg/L	1	10/08/07 20:53
Benzo[k]fluoranthene	A	***ND***	0.0022	0.010		mg/L	1	10/08/07 20:53
Bis(2-chloroethoxy)methane	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 20:53
Bis(2-chloroethyl)ether	A	***ND***	0.00091	0.010		mg/L	1	10/08/07 20:53
Bis(2-chloroisopropyl)ether	A	***ND***	0.00091	0.010		mg/L	1	10/08/07 20:53
Butyl benzyl phthalate	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 20:53
Carbazole	A	***ND***	0.0012	0.010		mg/L	1	10/08/07 20:53
4-Chloro-3-methylphenol	A	***ND***	0.0012	0.020		mg/L	1	10/08/07 20:53
4-Chloroaniline	A	***ND***	0.0010	0.020		mg/L	1	10/08/07 20:53
2-Chloronaphthalene	A	***ND***	0.00091	0.010		mg/L	1	10/08/07 20:53

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWC-30	**Work Order / ID:**	ME0710178-04
Sample Description:		**Collection Date:**	10/02/07 12:20
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMIVOLATILE ORGANICS	Method: **SW8270C**			Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**		
2-Chlorophenol	A	***ND***	0.00071	0.010		mg/L	1	10/08/07 20:53
4-Chlorophenyl phenyl ether	A	***ND***	0.00091	0.010		mg/L	1	10/08/07 20:53
Chrysene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 20:53
Dibenz[a,h]anthracene	A	***0.0017***	0.00091	0.010	Jb	mg/L	1	10/08/07 20:53
Dibenzofuran	A	***ND***	0.00081	0.010		mg/L	1	10/08/07 20:53
3,3´-Dichlorobenzidine	A	***ND***	0.00071	0.051		mg/L	1	10/08/07 20:53
2,4-Dichlorophenol	A	***ND***	0.00071	0.010		mg/L	1	10/08/07 20:53
Diethyl phthalate	A	***ND***	0.0011	0.010		mg/L	1	10/08/07 20:53
Dimethyl phthalate	A	***ND***	0.00091	0.010		mg/L	1	10/08/07 20:53
2,4-Dimethylphenol	A	***ND***	0.00081	0.010		mg/L	1	10/08/07 20:53
Di-n-butyl phthalate	A	***ND***	0.0012	0.010		mg/L	1	10/08/07 20:53
Di-n-octyl phthalate	A	***ND***	0.0011	0.010		mg/L	1	10/08/07 20:53
4,6-Dinitro-2-methylphenol	A	***ND***	0.0011	0.051		mg/L	1	10/08/07 20:53
2,4-Dinitrophenol	A	***ND***	0.0095	0.051		mg/L	1	10/08/07 20:53
2,4-Dinitrotoluene	A	***ND***	0.00081	0.010		mg/L	1	10/08/07 20:53
2,6-Dinitrotoluene	A	***ND***	0.0011	0.010		mg/L	1	10/08/07 20:53
Fluoranthene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 20:53
Fluorene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 20:53
Hexachlorobenzene	A	***ND***	0.00091	0.010		mg/L	1	10/08/07 20:53
Hexachlorobutadiene	A	***ND***	0.00091	0.010		mg/L	1	10/08/07 20:53
Hexachlorocyclopentadiene	A	***ND***	0.00061	0.010		mg/L	1	10/08/07 20:53
Hexachloroethane	A	***ND***	0.00091	0.010		mg/L	1	10/08/07 20:53
Indeno[1,2,3cd]pyrene	A	***0.0016***	0.0010	0.010	Jb	mg/L	1	10/08/07 20:53
Isophorone	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 20:53
2-Methylnaphthalene	A	***ND***	0.00091	0.010		mg/L	1	10/08/07 20:53
2-Methylphenol	A	***ND***	0.00071	0.010		mg/L	1	10/08/07 20:53
3/4-Methylphenol	A	***ND***	0.00081	0.010		mg/L	1	10/08/07 20:53
2-Nitroaniline	A	***ND***	0.0010	0.051		mg/L	1	10/08/07 20:53
3-Nitroaniline	A	***ND***	0.0013	0.051		mg/L	1	10/08/07 20:53
4-Nitroaniline	A	***ND***	0.0017	0.051		mg/L	1	10/08/07 20:53
2-Nitrophenol	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 20:53
4-Nitrophenol	A	***ND***	0.0043	0.051		mg/L	1	10/08/07 20:53
N-Nitrosodi-n-propylamine	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 20:53
N-Nitrosodiphenylamine	A	***ND***	0.00071	0.010		mg/L	1	10/08/07 20:53
Naphthalene	A	***ND***	0.00071	0.010		mg/L	1	10/08/07 20:53
Nitrobenzene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 20:53
Pentachlorophenol	A	***ND***	0.0013	0.051		mg/L	1	10/08/07 20:53
Phenanthrene	A	***ND***	0.00081	0.010		mg/L	1	10/08/07 20:53
Phenol	A	***ND***	0.00040	0.010		mg/L	1	10/08/07 20:53

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWC-30	**Work Order / ID:**	ME0710178-04
Sample Description:		**Collection Date:**	10/02/07 12:20
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMIVOLATILE ORGANICS	Method: **SW8270C**			Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**		
Pyrene	A	***ND***	0.00091	0.010		mg/L	1	10/08/07 20:53
2,4,5-Trichlorophenol	A	***ND***	0.0015	0.010		mg/L	1	10/08/07 20:53
2,4,6-Trichlorophenol	A	***ND***	0.00091	0.010		mg/L	1	10/08/07 20:53
Surr: Nitrobenzene-d5	S	59.3	0	10-121		%REC	1	10/08/07 20:53
Surr: 2-Fluorobiphenyl	S	61.1	0	10-109		%REC	1	10/08/07 20:53
Surr: Terphenyl-d14	S	76.6	0	10-130		%REC	1	10/08/07 20:53
Surr: Phenol-d5	S	24.4	0	10-100		%REC	1	10/08/07 20:53
Surr: 2-Fluorophenol	S	39.5	0	10-84.7		%REC	1	10/08/07 20:53
Surr: 2,4,6-Tribromophenol	S	71.9	0	10-120		%REC	1	10/08/07 20:53
VOC'S	Method: **SW8260B**			Prep Date/Time:		Analyst: **NLT**		
Acetone	A	***ND***	0.0020	0.0050		mg/L	1	10/10/07 09:59
Benzene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 09:59
Bromodichloromethane	A	***ND***	0.00050	0.0010		mg/L	1	10/10/07 09:59
Bromoform	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 09:59
Bromomethane	A	***ND***	0.00060	0.0020		mg/L	1	10/10/07 09:59
2-Butanone	A	***ND***	0.0015	0.0020		mg/L	1	10/10/07 09:59
Carbon Disulfide	A	***ND***	0.00040	0.0020		mg/L	1	10/10/07 09:59
Carbon tetrachloride	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 09:59
Chlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 09:59
Chloroethane	A	***ND***	0.00080	0.0020		mg/L	1	10/10/07 09:59
Chloroform	A	***ND***	0.00070	0.0010		mg/L	1	10/10/07 09:59
Chloromethane	A	***ND***	0.00030	0.0020		mg/L	1	10/10/07 09:59
Dibromochloromethane	A	***ND***	0.00060	0.0010		mg/L	1	10/10/07 09:59
1,1-Dichloroethane	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 09:59
1,2-Dichloroethane	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 09:59
1,1-Dichloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 09:59
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 09:59
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 09:59
1,2-Dichloropropane	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 09:59
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0010		mg/L	1	10/10/07 09:59
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 09:59
Ethylbenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 09:59
2-Hexanone	A	***ND***	0.0011	0.0020		mg/L	1	10/10/07 09:59
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0010		mg/L	1	10/10/07 09:59
Methylene chloride	A	***ND***	0.00070	0.0020		mg/L	1	10/10/07 09:59
Styrene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 09:59
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0010		mg/L	1	10/10/07 09:59

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWC-30	**Work Order / ID:**	ME0710178-04
Sample Description:		**Collection Date:**	10/02/07 12:20
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Tetrachloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 09:59
Toluene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 09:59
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 09:59
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0010		mg/L	1	10/10/07 09:59
Trichloroethene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 09:59
Vinyl chloride	A	***ND***	0.00040	0.0020		mg/L	1	10/10/07 09:59
Total Xylenes	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 09:59
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 09:59
1,2-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 09:59
1,3-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 09:59
1,4-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 09:59
Surr: 4-Bromofluorobenzene	S	87.8	0	74.3-123		%REC	1	10/10/07 09:59
Surr: Dibromofluoromethane	S	104	0	84.9-118		%REC	1	10/10/07 09:59
Surr: 1,2-Dichloroethane-d4	S	106	0	77.9-126		%REC	1	10/10/07 09:59
Surr: Toluene-d8	S	98.1	0	80.8-118		%REC	1	10/10/07 09:59
TOTAL CYANIDE	Method: **SW-9012B**			Prep Date/Time: **10/08/07 07:45**				Analyst: **RPL**
Cyanide, Total	A	***ND***	0.0020	0.0050		mg/L	1	10/08/07 14:21

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWT-30	**Work Order / ID:**	ME0710178-05
Sample Description:		**Collection Date:**	10/02/07 14:35
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
PESTICIDES/PCBS	Method: **SW8081A/8082**			Prep Date/Time: **10/06/07 13:15**		Analyst: **ALS**		
4,4´-DDD	A	***ND***	0.000036	0.0011		mg/L	1	10/09/07 02:39
4,4´-DDE	A	***ND***	0.000017	0.0011		mg/L	1	10/09/07 02:39
4,4´-DDT	A	***ND***	0.000017	0.0011		mg/L	1	10/09/07 02:39
Aldrin	A	***ND***	0.000017	0.000053		mg/L	1	10/09/07 02:39
Alpha-BHC	A	***ND***	0.000012	0.000053		mg/L	1	10/09/07 02:39
alpha-Chlordane	A	***ND***	0.000026	0.011		mg/L	1	10/09/07 02:39
Beta-BHC	A	***ND***	0.0000011	0.00021		mg/L	1	10/09/07 02:39
delta-BHC	A	***ND***	0.000017	0.0011		mg/L	1	10/09/07 02:39
Dieldrin	A	***ND***	0.000012	0.000053		mg/L	1	10/09/07 02:39
Endosulfan I	A	***ND***	0.000015	0.0011		mg/L	1	10/09/07 02:39
Endosulfan II	A	***ND***	0.000015	0.0011		mg/L	1	10/09/07 02:39
Endosulfan Sulfate	A	***ND***	0.000017	0.0011		mg/L	1	10/09/07 02:39
Endrin	A	***ND***	0.000015	0.0011		mg/L	1	10/09/07 02:39
Endrin Aldehyde	A	***ND***	0.0000011	0.0011		mg/L	1	10/09/07 02:39
Endrin Ketone	A	***ND***	0.000029	0.0011		mg/L	1	10/09/07 02:39
Gamma-BHC	A	***ND***	0.000012	0.00011		mg/L	1	10/09/07 02:39
gamma-Chlordane	A	***ND***	0.000012	0.011		mg/L	1	10/09/07 02:39
Heptachlor	A	***ND***	0.000015	0.00021		mg/L	1	10/09/07 02:39
Heptachlor Epoxide	A	***ND***	0.000017	0.00011		mg/L	1	10/09/07 02:39
Methoxychlor	A	***ND***	0.00020	0.0011		mg/L	1	10/09/07 02:39
Toxaphene	A	***ND***	0.00069	0.0021		mg/L	1	10/09/07 02:39
Aroclor 1016	A	***ND***	0.00012	0.00053		mg/L	1	10/09/07 02:39
Aroclor 1221	A	***ND***	0.00053	0.00053		mg/L	1	10/09/07 02:39
Aroclor 1232	A	***ND***	0.00053	0.00053		mg/L	1	10/09/07 02:39
Aroclor 1242	A	***ND***	0.00010	0.00053		mg/L	1	10/09/07 02:39
Aroclor 1248	A	***ND***	0.00015	0.00053		mg/L	1	10/09/07 02:39
Aroclor 1254	A	***ND***	0.00018	0.00053		mg/L	1	10/09/07 02:39
Aroclor 1260	A	***ND***	0.00012	0.00053		mg/L	1	10/09/07 02:39
Surr: Tetrachloro-m-xylene	S	75.0	0	7.58-153		%REC	1	10/09/07 02:39
Surr: Decachlorobiphenyl	S	90.0	0	15.4-169		%REC	1	10/09/07 02:39
TOTAL METALS	Method: **SW6020A**			Prep Date/Time: **10/04/07 08:35**		Analyst: **SAA**		
Aluminum	A	***ND***	0.0043	0.20		mg/L	5	10/04/07 18:43
Antimony	A	***0.000051***	0.000038	0.0060	Jb	mg/L	5	10/04/07 18:43
Arsenic	A	***0.00081***	0.00031	0.010	J	mg/L	5	10/04/07 18:43
Barium	A	***0.14***	0.000058	0.0020		mg/L	5	10/04/07 18:43
Beryllium	A	***ND***	0.00096	0.0010		mg/L	5	10/05/07 15:12
Cadmium	A	***ND***	0.0000044	0.0020		mg/L	5	10/04/07 18:43

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWT-30	**Work Order / ID:**	ME0710178-05
Sample Description:		**Collection Date:**	10/02/07 14:35
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
TOTAL METALS	Method: **SW6020A**			Prep Date/Time: **10/04/07 08:35**		Analyst: **SAA**		
Calcium	A	***91***	0.018	0.50		mg/L	5	10/04/07 18:43
Chromium	A	***0.0013***	0.00083	0.0030	J	mg/L	5	10/04/07 18:43
Cobalt	A	***0.00021***	0.0000019	0.0030	J	mg/L	5	10/04/07 18:43
Copper	A	***0.00065***	0.000088	0.010	J	mg/L	5	10/04/07 18:43
Iron	A	***2.7***	0.021	0.050		mg/L	5	10/04/07 18:43
Lead	A	***ND***	0.00012	0.0075		mg/L	5	10/04/07 18:43
Magnesium	A	***51***	0.0017	0.50		mg/L	5	10/04/07 18:43
Manganese	A	***0.033***	0.000074	0.0020		mg/L	5	10/04/07 18:43
Nickel	A	***0.0047***	0.000031	0.010	J	mg/L	5	10/04/07 18:43
Potassium	A	***2.4***	0.0040	0.50		mg/L	5	10/04/07 18:43
Selenium	A	***ND***	0.000043	0.0050		mg/L	5	10/04/07 18:43
Silver	A	***ND***	0.0000025	0.010		mg/L	5	10/04/07 18:43
Sodium	A	***21***	0.0045	0.50		mg/L	5	10/04/07 18:43
Thallium	A	***0.00016***	0.0000065	0.0020	Jb	mg/L	5	10/04/07 18:43
Vanadium	A	***ND***	0.0011	0.0080		mg/L	5	10/04/07 18:43
Zinc	A	***0.013***	0.0038	0.020	J	mg/L	5	10/04/07 18:43
TOTAL METALS	Method: **SW7470A**			Prep Date/Time: **10/06/07 10:35**		Analyst: **AVC**		
Mercury	A	***ND***	0.000030	0.00020		mg/L	1	10/08/07 14:16
SEMIVOLATILE ORGANICS	Method: **SW8270C**			Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**		
4-Bromophenyl phenyl ether	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 21:18
Bis(2-ethylhexyl)phthalate	A	***ND***	0.0011	0.010		mg/L	1	10/08/07 21:18
Acenaphthene	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 21:18
Acenaphthylene	A	***ND***	0.00071	0.010		mg/L	1	10/08/07 21:18
Anthracene	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 21:18
Benzo[a]anthracene	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 21:18
Benzo[a]pyrene	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 21:18
Benzo[b]fluoranthene	A	***ND***	0.0016	0.010		mg/L	1	10/08/07 21:18
Benzo[g,h,i]perylene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 21:18
Benzo[k]fluoranthene	A	***ND***	0.0022	0.010		mg/L	1	10/08/07 21:18
Bis(2-chloroethoxy)methane	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 21:18
Bis(2-chloroethyl)ether	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 21:18
Bis(2-chloroisopropyl)ether	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 21:18
Butyl benzyl phthalate	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 21:18
Carbazole	A	***ND***	0.0012	0.010		mg/L	1	10/08/07 21:18
4-Chloro-3-methylphenol	A	***ND***	0.0012	0.020		mg/L	1	10/08/07 21:18
4-Chloroaniline	A	***ND***	0.0010	0.020		mg/L	1	10/08/07 21:18
2-Chloronaphthalene	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 21:18

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWT-30	**Work Order / ID:**	ME0710178-05
Sample Description:		**Collection Date:**	10/02/07 14:35
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

SEMIVOLATILE ORGANICS Method: **SW8270C** Prep Date/Time: **10/06/07 08:30** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
2-Chlorophenol	A	***ND***	0.00071	0.010		mg/L	1	10/08/07 21:18
4-Chlorophenyl phenyl ether	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 21:18
Chrysene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 21:18
Dibenz[a,h]anthracene	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 21:18
Dibenzofuran	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 21:18
3,3´-Dichlorobenzidine	A	***ND***	0.00071	0.051		mg/L	1	10/08/07 21:18
2,4-Dichlorophenol	A	***ND***	0.00071	0.010		mg/L	1	10/08/07 21:18
Diethyl phthalate	A	***ND***	0.0011	0.010		mg/L	1	10/08/07 21:18
Dimethyl phthalate	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 21:18
2,4-Dimethylphenol	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 21:18
Di-n-butyl phthalate	A	***ND***	0.0012	0.010		mg/L	1	10/08/07 21:18
Di-n-octyl phthalate	A	***ND***	0.0011	0.010		mg/L	1	10/08/07 21:18
4,6-Dinitro-2-methylphenol	A	***ND***	0.0011	0.051		mg/L	1	10/08/07 21:18
2,4-Dinitrophenol	A	***ND***	0.0096	0.051		mg/L	1	10/08/07 21:18
2,4-Dinitrotoluene	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 21:18
2,6-Dinitrotoluene	A	***ND***	0.0011	0.010		mg/L	1	10/08/07 21:18
Fluoranthene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 21:18
Fluorene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 21:18
Hexachlorobenzene	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 21:18
Hexachlorobutadiene	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 21:18
Hexachlorocyclopentadiene	A	***ND***	0.00061	0.010		mg/L	1	10/08/07 21:18
Hexachloroethane	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 21:18
Indeno[1,2,3cd]pyrene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 21:18
Isophorone	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 21:18
2-Methylnaphthalene	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 21:18
2-Methylphenol	A	***ND***	0.00071	0.010		mg/L	1	10/08/07 21:18
3/4-Methylphenol	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 21:18
2-Nitroaniline	A	***ND***	0.0010	0.051		mg/L	1	10/08/07 21:18
3-Nitroaniline	A	***ND***	0.0013	0.051		mg/L	1	10/08/07 21:18
4-Nitroaniline	A	***ND***	0.0017	0.051		mg/L	1	10/08/07 21:18
2-Nitrophenol	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 21:18
4-Nitrophenol	A	***ND***	0.0044	0.051		mg/L	1	10/08/07 21:18
N-Nitrosodi-n-propylamine	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 21:18
N-Nitrosodiphenylamine	A	***ND***	0.00071	0.010		mg/L	1	10/08/07 21:18
Naphthalene	A	***ND***	0.00071	0.010		mg/L	1	10/08/07 21:18
Nitrobenzene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 21:18
Pentachlorophenol	A	***ND***	0.0013	0.051		mg/L	1	10/08/07 21:18
Phenanthrene	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 21:18
Phenol	A	***ND***	0.00041	0.010		mg/L	1	10/08/07 21:18

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWT-30	**Work Order / ID:**	ME0710178-05
Sample Description:		**Collection Date:**	10/02/07 14:35
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMIVOLATILE ORGANICS	Method: **SW8270C**			Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**		
Pyrene	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 21:18
2,4,5-Trichlorophenol	A	***ND***	0.0015	0.010		mg/L	1	10/08/07 21:18
2,4,6-Trichlorophenol	A	***ND***	0.00092	0.010		mg/L	1	10/08/07 21:18
Surr: Nitrobenzene-d5	S	37.9	0	10-121		%REC	1	10/08/07 21:18
Surr: 2-Fluorobiphenyl	S	36.4	0	10-109		%REC	1	10/08/07 21:18
Surr: Terphenyl-d14	S	54.6	0	10-130		%REC	1	10/08/07 21:18
Surr: Phenol-d5	S	15.9	0	10-100		%REC	1	10/08/07 21:18
Surr: 2-Fluorophenol	S	25.7	0	10-84.7		%REC	1	10/08/07 21:18
Surr: 2,4,6-Tribromophenol	S	42.0	0	10-120		%REC	1	10/08/07 21:18
VOC'S	Method: **SW8260B**			Prep Date/Time:		Analyst: **NLT**		
Acetone	A	***ND***	0.0020	0.0050		mg/L	1	10/10/07 07:51
Benzene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 07:51
Bromodichloromethane	A	***ND***	0.00050	0.0010		mg/L	1	10/10/07 07:51
Bromoform	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 07:51
Bromomethane	A	***ND***	0.00060	0.0020		mg/L	1	10/10/07 07:51
2-Butanone	A	***ND***	0.0015	0.0020		mg/L	1	10/10/07 07:51
Carbon Disulfide	A	***ND***	0.00040	0.0020		mg/L	1	10/10/07 07:51
Carbon tetrachloride	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 07:51
Chlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 07:51
Chloroethane	A	***ND***	0.00080	0.0020		mg/L	1	10/10/07 07:51
Chloroform	A	***ND***	0.00070	0.0010		mg/L	1	10/10/07 07:51
Chloromethane	A	***ND***	0.00030	0.0020		mg/L	1	10/10/07 07:51
Dibromochloromethane	A	***ND***	0.00060	0.0010		mg/L	1	10/10/07 07:51
1,1-Dichloroethane	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 07:51
1,2-Dichloroethane	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 07:51
1,1-Dichloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 07:51
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 07:51
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 07:51
1,2-Dichloropropane	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 07:51
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0010		mg/L	1	10/10/07 07:51
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 07:51
Ethylbenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 07:51
2-Hexanone	A	***ND***	0.0011	0.0020		mg/L	1	10/10/07 07:51
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0010		mg/L	1	10/10/07 07:51
Methylene chloride	A	***ND***	0.00070	0.0020		mg/L	1	10/10/07 07:51
Styrene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 07:51
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0010		mg/L	1	10/10/07 07:51

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWT-30	**Work Order / ID:**	ME0710178-05
Sample Description:		**Collection Date:**	10/02/07 14:35
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:			Analyst: **NLT**	
Tetrachloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 07:51
Toluene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 07:51
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 07:51
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0010		mg/L	1	10/10/07 07:51
Trichloroethene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 07:51
Vinyl chloride	A	***ND***	0.00040	0.0020		mg/L	1	10/10/07 07:51
Total Xylenes	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 07:51
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 07:51
1,2-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 07:51
1,3-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 07:51
1,4-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 07:51
Surr: 4-Bromofluorobenzene	S	86.4	0	74.3-123		%REC	1	10/10/07 07:51
Surr: Dibromofluoromethane	S	102	0	84.9-118		%REC	1	10/10/07 07:51
Surr: 1,2-Dichloroethane-d4	S	99.8	0	77.9-126		%REC	1	10/10/07 07:51
Surr: Toluene-d8	S	101	0	80.8-118		%REC	1	10/10/07 07:51
TOTAL CYANIDE	Method: **SW-9012B**			Prep Date/Time: **10/08/07 07:45**			Analyst: **RPL**	
Cyanide, Total	A	***ND***	0.0020	0.0050		mg/L	1	10/08/07 14:25

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWD-30	**Work Order / ID:**	ME0710178-06
Sample Description:		**Collection Date:**	10/02/07 16:45
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
PESTICIDES/PCBS	Method: **SW8081A/8082**			Prep Date/Time: **10/06/07 13:15**		Analyst: **ALS**		
4,4´-DDD	A	***ND***	0.000034	0.0010		mg/L	1	10/09/07 04:02
4,4´-DDE	A	***ND***	0.000016	0.0010		mg/L	1	10/09/07 04:02
4,4´-DDT	A	***ND***	0.000016	0.0010		mg/L	1	10/09/07 04:02
Aldrin	A	***ND***	0.000016	0.000051		mg/L	1	10/09/07 04:02
Alpha-BHC	A	***ND***	0.000011	0.000051		mg/L	1	10/09/07 04:02
alpha-Chlordane	A	***ND***	0.000025	0.010		mg/L	1	10/09/07 04:02
Beta-BHC	A	***ND***	0.0000010	0.00020		mg/L	1	10/09/07 04:02
delta-BHC	A	***ND***	0.000016	0.0010		mg/L	1	10/09/07 04:02
Dieldrin	A	***ND***	0.000011	0.000051		mg/L	1	10/09/07 04:02
Endosulfan I	A	***ND***	0.000014	0.0010		mg/L	1	10/09/07 04:02
Endosulfan II	A	***ND***	0.000014	0.0010		mg/L	1	10/09/07 04:02
Endosulfan Sulfate	A	***ND***	0.000016	0.0010		mg/L	1	10/09/07 04:02
Endrin	A	***ND***	0.000014	0.0010		mg/L	1	10/09/07 04:02
Endrin Aldehyde	A	***ND***	0.0000010	0.0010		mg/L	1	10/09/07 04:02
Endrin Ketone	A	***ND***	0.000028	0.0010		mg/L	1	10/09/07 04:02
Gamma-BHC	A	***ND***	0.000011	0.00010		mg/L	1	10/09/07 04:02
gamma-Chlordane	A	***ND***	0.000011	0.010		mg/L	1	10/09/07 04:02
Heptachlor	A	***ND***	0.000014	0.00020		mg/L	1	10/09/07 04:02
Heptachlor Epoxide	A	***ND***	0.000016	0.00010		mg/L	1	10/09/07 04:02
Methoxychlor	A	***ND***	0.00019	0.0010		mg/L	1	10/09/07 04:02
Toxaphene	A	***ND***	0.00067	0.0020		mg/L	1	10/09/07 04:02
Aroclor 1016	A	***ND***	0.00011	0.00051		mg/L	1	10/09/07 04:02
Aroclor 1221	A	***ND***	0.00051	0.00051		mg/L	1	10/09/07 04:02
Aroclor 1232	A	***ND***	0.00051	0.00051		mg/L	1	10/09/07 04:02
Aroclor 1242	A	***ND***	0.000099	0.00051		mg/L	1	10/09/07 04:02
Aroclor 1248	A	***ND***	0.00014	0.00051		mg/L	1	10/09/07 04:02
Aroclor 1254	A	***ND***	0.00017	0.00051		mg/L	1	10/09/07 04:02
Aroclor 1260	A	***ND***	0.00011	0.00051		mg/L	1	10/09/07 04:02
Surr: Tetrachloro-m-xylene	S	80.0	0	7.58-153		%REC	1	10/09/07 04:02
Surr: Decachlorobiphenyl	S	85.0	0	15.4-169		%REC	1	10/09/07 04:02
TOTAL METALS	Method: **SW6020A**			Prep Date/Time: **10/04/07 08:35**		Analyst: **SAA**		
Aluminum	A	***ND***	0.0043	0.20		mg/L	5	10/04/07 19:02
Antimony	A	***0.00052***	0.000038	0.0060	Jb	mg/L	5	10/04/07 19:02
Arsenic	A	***0.0011***	0.00031	0.010	J	mg/L	5	10/04/07 19:02
Barium	A	***0.13***	0.000058	0.0020		mg/L	5	10/04/07 19:02
Beryllium	A	***ND***	0.00096	0.0010		mg/L	5	10/05/07 15:31
Cadmium	A	***ND***	0.0000044	0.0020		mg/L	5	10/04/07 19:02

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWD-30	**Work Order / ID:**	ME0710178-06
Sample Description:		**Collection Date:**	10/02/07 16:45
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
TOTAL METALS	Method: **SW6020A**			Prep Date/Time: **10/04/07 08:35**		Analyst: **SAA**		
Calcium	A	***85***	0.018	0.50		mg/L	5	10/04/07 19:02
Chromium	A	***0.0018***	0.00083	0.0030	J	mg/L	5	10/04/07 19:02
Cobalt	A	***0.00018***	0.0000019	0.0030	J	mg/L	5	10/04/07 19:02
Copper	A	***0.0023***	0.000088	0.010	J	mg/L	5	10/04/07 19:02
Iron	A	***2.5***	0.021	0.050		mg/L	5	10/04/07 19:02
Lead	A	***0.00034***	0.00012	0.0075	J	mg/L	5	10/04/07 19:02
Magnesium	A	***46***	0.0017	0.50		mg/L	5	10/04/07 19:02
Manganese	A	***0.025***	0.000074	0.0020		mg/L	5	10/04/07 19:02
Mercury	A	***0.00019***	0.000026	0.00020	Jb	mg/L	5	10/04/07 19:02
Nickel	A	***0.0009***	0.000031	0.010	J	mg/L	5	10/04/07 19:02
Potassium	A	***2.2***	0.0040	0.50		mg/L	5	10/04/07 19:02
Selenium	A	***0.0014***	0.000043	0.0050	Jb	mg/L	5	10/04/07 19:02
Silver	A	***0.0000034***	0.0000025	0.010	J	mg/L	5	10/04/07 19:02
Sodium	A	***21***	0.0045	0.50		mg/L	5	10/04/07 19:02
Thallium	A	***0.0030***	0.0000065	0.0020	b	mg/L	5	10/04/07 19:02
Vanadium	A	***ND***	0.0011	0.0080		mg/L	5	10/04/07 19:02
Zinc	A	***0.014***	0.0038	0.020	J	mg/L	5	10/04/07 19:02
TOTAL METALS	Method: **SW7470A**			Prep Date/Time: **10/06/07 10:35**		Analyst: **AVC**		
Mercury	A	***ND***	0.000030	0.00020		mg/L	1	10/08/07 14:20
SEMIVOLATILE ORGANICS	Method: **SW8270C**			Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**		
4-Bromophenyl phenyl ether	A	***ND***	0.00094	0.010		mg/L	1	10/08/07 21:42
Bis(2-ethylhexyl)phthalate	A	***ND***	0.0011	0.010		mg/L	1	10/08/07 21:42
Acenaphthene	A	***ND***	0.00083	0.010		mg/L	1	10/08/07 21:42
Acenaphthylene	A	***ND***	0.00073	0.010		mg/L	1	10/08/07 21:42
Anthracene	A	***ND***	0.00094	0.010		mg/L	1	10/08/07 21:42
Benzo[a]anthracene	A	***ND***	0.00083	0.010		mg/L	1	10/08/07 21:42
Benzo[a]pyrene	A	***ND***	0.00094	0.010		mg/L	1	10/08/07 21:42
Benzo[b]fluoranthene	A	***ND***	0.0017	0.010		mg/L	1	10/08/07 21:42
Benzo[g,h,i]perylene	A	***0.0012***	0.0010	0.010	Jb	mg/L	1	10/08/07 21:42
Benzo[k]fluoranthene	A	***ND***	0.0023	0.010		mg/L	1	10/08/07 21:42
Bis(2-chloroethoxy)methane	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 21:42
Bis(2-chloroethyl)ether	A	***ND***	0.00094	0.010		mg/L	1	10/08/07 21:42
Bis(2-chloroisopropyl)ether	A	***ND***	0.00094	0.010		mg/L	1	10/08/07 21:42
Butyl benzyl phthalate	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 21:42
Carbazole	A	***ND***	0.0012	0.010		mg/L	1	10/08/07 21:42
4-Chloro-3-methylphenol	A	***ND***	0.0012	0.021		mg/L	1	10/08/07 21:42
4-Chloroaniline	A	***ND***	0.0010	0.021		mg/L	1	10/08/07 21:42

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWD-30	**Work Order / ID:**	ME0710178-06
Sample Description:		**Collection Date:**	10/02/07 16:45
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMIVOLATILE ORGANICS	Method: **SW8270C**			Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**		
2-Chloronaphthalene	A	***ND***	0.00094	0.010		mg/L	1	10/08/07 21:42
2-Chlorophenol	A	***ND***	0.00073	0.010		mg/L	1	10/08/07 21:42
4-Chlorophenyl phenyl ether	A	***ND***	0.00094	0.010		mg/L	1	10/08/07 21:42
Chrysene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 21:42
Dibenz[a,h]anthracene	A	***0.0012***	0.00094	0.010	Jb	mg/L	1	10/08/07 21:42
Dibenzofuran	A	***ND***	0.00083	0.010		mg/L	1	10/08/07 21:42
3,3´-Dichlorobenzidine	A	***ND***	0.00073	0.052		mg/L	1	10/08/07 21:42
2,4-Dichlorophenol	A	***ND***	0.00073	0.010		mg/L	1	10/08/07 21:42
Diethyl phthalate	A	***ND***	0.0011	0.010		mg/L	1	10/08/07 21:42
Dimethyl phthalate	A	***ND***	0.00094	0.010		mg/L	1	10/08/07 21:42
2,4-Dimethylphenol	A	***ND***	0.00083	0.010		mg/L	1	10/08/07 21:42
Di-n-butyl phthalate	A	***ND***	0.0012	0.010		mg/L	1	10/08/07 21:42
Di-n-octyl phthalate	A	***ND***	0.0011	0.010		mg/L	1	10/08/07 21:42
4,6-Dinitro-2-methylphenol	A	***ND***	0.0011	0.052		mg/L	1	10/08/07 21:42
2,4-Dinitrophenol	A	***ND***	0.0098	0.052		mg/L	1	10/08/07 21:42
2,4-Dinitrotoluene	A	***ND***	0.00083	0.010		mg/L	1	10/08/07 21:42
2,6-Dinitrotoluene	A	***ND***	0.0011	0.010		mg/L	1	10/08/07 21:42
Fluoranthene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 21:42
Fluorene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 21:42
Hexachlorobenzene	A	***ND***	0.00094	0.010		mg/L	1	10/08/07 21:42
Hexachlorobutadiene	A	***ND***	0.00094	0.010		mg/L	1	10/08/07 21:42
Hexachlorocyclopentadiene	A	***ND***	0.00062	0.010		mg/L	1	10/08/07 21:42
Hexachloroethane	A	***ND***	0.00094	0.010		mg/L	1	10/08/07 21:42
Indeno[1,2,3cd]pyrene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 21:42
Isophorone	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 21:42
2-Methylnaphthalene	A	***ND***	0.00094	0.010		mg/L	1	10/08/07 21:42
2-Methylphenol	A	***ND***	0.00073	0.010		mg/L	1	10/08/07 21:42
3/4-Methylphenol	A	***ND***	0.00083	0.010		mg/L	1	10/08/07 21:42
2-Nitroaniline	A	***ND***	0.0010	0.052		mg/L	1	10/08/07 21:42
3-Nitroaniline	A	***ND***	0.0014	0.052		mg/L	1	10/08/07 21:42
4-Nitroaniline	A	***ND***	0.0018	0.052		mg/L	1	10/08/07 21:42
2-Nitrophenol	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 21:42
4-Nitrophenol	A	***ND***	0.0045	0.052		mg/L	1	10/08/07 21:42
N-Nitrosodi-n-propylamine	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 21:42
N-Nitrosodiphenylamine	A	***ND***	0.00073	0.010		mg/L	1	10/08/07 21:42
Naphthalene	A	***ND***	0.00073	0.010		mg/L	1	10/08/07 21:42
Nitrobenzene	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 21:42
Pentachlorophenol	A	***ND***	0.0014	0.052		mg/L	1	10/08/07 21:42
Phenanthrene	A	***ND***	0.00083	0.010		mg/L	1	10/08/07 21:42

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWD-30	**Work Order / ID:**	ME0710178-06
Sample Description:		**Collection Date:**	10/02/07 16:45
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMIVOLATILE ORGANICS	Method: **SW8270C**				Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**	
Phenol	A	***ND***	0.00042	0.010		mg/L	1	10/08/07 21:42
Pyrene	A	***ND***	0.00094	0.010		mg/L	1	10/08/07 21:42
2,4,5-Trichlorophenol	A	***ND***	0.0016	0.010		mg/L	1	10/08/07 21:42
2,4,6-Trichlorophenol	A	***ND***	0.00094	0.010		mg/L	1	10/08/07 21:42
Surr: Nitrobenzene-d5	S	60.9	0	10-121		%REC	1	10/08/07 21:42
Surr: 2-Fluorobiphenyl	S	62.9	0	10-109		%REC	1	10/08/07 21:42
Surr: Terphenyl-d14	S	82.0	0	10-130		%REC	1	10/08/07 21:42
Surr: Phenol-d5	S	27.2	0	10-100		%REC	1	10/08/07 21:42
Surr: 2-Fluorophenol	S	40.0	0	10-84.7		%REC	1	10/08/07 21:42
Surr: 2,4,6-Tribromophenol	S	77.6	0	10-120		%REC	1	10/08/07 21:42
VOC'S	Method: **SW8260B**				Prep Date/Time:		Analyst: **NLT**	
Acetone	A	***ND***	0.0020	0.0050		mg/L	1	10/10/07 10:31
Benzene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 10:31
Bromodichloromethane	A	***ND***	0.00050	0.0010		mg/L	1	10/10/07 10:31
Bromoform	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 10:31
Bromomethane	A	***ND***	0.00060	0.0020		mg/L	1	10/10/07 10:31
2-Butanone	A	***ND***	0.0015	0.0020		mg/L	1	10/10/07 10:31
Carbon Disulfide	A	***ND***	0.00040	0.0020		mg/L	1	10/10/07 10:31
Carbon tetrachloride	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 10:31
Chlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 10:31
Chloroethane	A	***ND***	0.00080	0.0020		mg/L	1	10/10/07 10:31
Chloroform	A	***ND***	0.00070	0.0010		mg/L	1	10/10/07 10:31
Chloromethane	A	***ND***	0.00030	0.0020		mg/L	1	10/10/07 10:31
Dibromochloromethane	A	***ND***	0.00060	0.0010		mg/L	1	10/10/07 10:31
1,1-Dichloroethane	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 10:31
1,2-Dichloroethane	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 10:31
1,1-Dichloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 10:31
cis-1,2-Dichloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 10:31
trans-1,2-Dichloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 10:31
1,2-Dichloropropane	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 10:31
trans-1,3-Dichloropropene	A	***ND***	0.00060	0.0010		mg/L	1	10/10/07 10:31
cis-1,3-Dichloropropene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 10:31
Ethylbenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 10:31
2-Hexanone	A	***ND***	0.0011	0.0020		mg/L	1	10/10/07 10:31
4-Methyl-2-Pentanone	A	***ND***	0.00080	0.0010		mg/L	1	10/10/07 10:31
Methylene chloride	A	***ND***	0.00070	0.0020		mg/L	1	10/10/07 10:31
Styrene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 10:31

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWD-30	**Work Order / ID:**	ME0710178-06
Sample Description:		**Collection Date:**	10/02/07 16:45
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0010		mg/L	1	10/10/07 10:31
Tetrachloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 10:31
Toluene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 10:31
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 10:31
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0010		mg/L	1	10/10/07 10:31
Trichloroethene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 10:31
Vinyl chloride	A	***ND***	0.00040	0.0020		mg/L	1	10/10/07 10:31
Total Xylenes	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 10:31
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 10:31
1,2-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 10:31
1,3-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 10:31
1,4-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 10:31
Surr: 4-Bromofluorobenzene	S	86.9	0	74.3-123		%REC	1	10/10/07 10:31
Surr: Dibromofluoromethane	S	107	0	84.9-118		%REC	1	10/10/07 10:31
Surr: 1,2-Dichloroethane-d4	S	108	0	77.9-126		%REC	1	10/10/07 10:31
Surr: Toluene-d8	S	98.4	0	80.8-118		%REC	1	10/10/07 10:31
TOTAL CYANIDE	Method: **SW-9012B**			Prep Date/Time: **10/08/07 07:45**				Analyst: **RPL**
Cyanide, Total	A	***ND***	0.0020	0.0050		mg/L	1	10/08/07 14:30

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FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)

NA	=	Not Analyzed	N/A	=	Not Applicable			
mg/L	=	Milligrams per Liter (ppm)	ug/L	=	Micrograms per Liter (ppb)	cfu	=	Colony Forming Unit
mg/Kg	=	Milligrams per Kilogram (ppm)	ug/Kg	=	Micrograms per Kilogram (ppb)	ng/L	=	Nanograms per Liter (ppt)

U	=	Undetected
J	=	Analyte concentration detected between RL and MDL (Metals / Organics)
B	=	Detected in the associated Method Blank at a concentration above the routine PQL/RL
b	=	Detected in the associated Method Blank at a concentration above the Method Detection Limit but less than the routine PQL/RL
D	=	Surrogate recoveries are not calculated due to sample dilution
ND	=	Not Detected at the Reporting Limit (or the Method Detection Limit, if listed)
E	=	Value above quantitation range
H	=	Analyte was prepared and/or analyzed outside of the analytical method holding time
I	=	Matrix Interference
R	=	RPD outside accepted recovery limits
S	=	Spike recovery outside recovery limits
Surr	=	Surrogate

DF = Dilution Factor RL = Reporting Limit ST = Sample Type MDL = Method Detection Limit

SAMPLE TYPES

A	=	Analyte
I	=	Internal Standard
S	=	Surrogate
T	=	Tentatively Identified Compound (TIC, concentration estimated)

QC SAMPLE IDENTIFICATIONS

MBLK	=	Method Blank	ICSA	=	Interference Check Standard "A"	OPR	=	Ongoing Precision and Recovery Standard
DUP	=	Method Duplicate	ICSAB	=	Interference Check Standard "AB"			
LCS	=	Laboratory Control Sample	LCSD	=	Laboratory Control Sample Duplicate			
MS	=	Matrix Spike	MSD	=	Matrix Spike Duplicate			
ICB	=	Initial Calibration Blank	CCB	=	Continuing Calibration Blank			
ICV	=	Initial Calibration Verification	CCV	=	Continuing Calibration Verification			
PDS	=	Post Digestion Spike	SD	=	Serial Dilution			

CERTIFICATIONS

Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.

- Illinois EPA for the analysis wastewater and solid waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (accreditation #100435)
- Illinois Department of Public Health for the microbiological analysis of drinking water (registry #175458)
- Indiana DEM approved support laboratory for solid waste and wastewater analyses
- Indiana SDH for the chemical analysis of drinking water (lab #C-45-02)
- Indiana SDH for the microbiological analysis of drinking water (lab #M-45-08)
- Kentucky EPPC for the analysis of samples applicable to the Underground Storage Tank program (lab #0061)
- North Carolina DENR for the environmental analysis for NPDES effluent, surface water, groundwater, and pretreatment regulations (certificate #597)
- Wisconsin DNR for the chemical analysis of wastewater and solid waste (lab #998036710)

MICROBAC LOCATIONS, SERVICE CENTERS (SC) AND SATELLITE OFFICES (Sat)

Baltimore Division - Baltimore, MD
Camp Hill Division - Camp Hill, PA
Camp Hill Division (SC) - Pittston, PA
Chicagoland Division - Merrillville, IN
Chicagoland Division (SC) - Indianapolis, IN
Corona Division - Corona, CA
Erie Division - Erie, PA
Fayetteville Division - Fayetteville, NC
Hauser Division - Boulder, CO
Kentucky Division - Louisville, KY
Kentucky Division (Sat) - Evansville, IN
Kentucky Division (Sat) - Lexington, KY
Kentucky Division (Sat) - Paducah, KY
Knoxville Division - Maryville, TN
Massachusetts Division - Marlborough, MA
Microbac Corporate Office - Wexford, PA
Microbac NY - Cortland Office - Cortland, NY
Microbac NY - Waverly Office - Waverly, NY
New Castle Division - New Castle, PA
Pittsburgh Division - Warrendale, PA
Richmond Division - Richmond, VA
South Carolina Division - New Ellenton, SC
South Jersey Division - Turnersville, NJ
Southern Headquarters - Poquoson, VA
Southern Testing Division - Wilson, NC
Southern Testing Division (Sat) - Greensboro, NC
Venice Division - Venice, FL

COOLER INSPECTION

Date: Thursday, October 11, 2007

Client Name ***MWH, Inc.***
Work Order Number ***ME0710178***
Checklist completed by SPM | 10/3/2007 4:14:01 PM

Date / Time Received: ***10/3/2007 2:10:00 PM***
Received by: SPM
Reviewed by RJM | 10/4/2007 9:26:01 AM

Carrier name: Microbac

After-Hour Arrival?	Yes ☐	No ☑	
Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody included sufficient client identification?	Yes ☑	No ☐	
Chain of custody included sufficient sample collector information?	Yes ☑	No ☐	
Chain of custody included a sample description?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Chain of custody identified the appropriate matrix?	Yes ☑	No ☐	
Chain of custody included date of collection?	Yes ☑	No ☐	
Chain of custody included time of collection?	Yes ☑	No ☐	
Chain of custody identified the appropriate number of containers?	Yes ☐	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Chain of custody identified the appropriate preservatives (if preserved)?	Yes ☑	No ☐	
Samples properly preserved?	Yes ☑	No ☐	

If No, adjusted by? _____ Date/Time _____

Chain of custody included the requested analyses?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Samples received on ice?	Yes ☑	No ☐

Container/Temp Blank temperatures	Cooler	Temp
	1	1 ºC
	2	1 ºC
	3	1 ºC
	4	1 ºC

VOA vials for aqueous samples have zero headspace? No VOA vials submitted ☐ Yes ☑ No ☐

ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.

General Comments: Received sample labelled GW-PWD-30 but not on the COC. Per Dave Powers, add to COC and analyzed for all parameters - rjm

Sample ID	Client Sample ID	Comments
ME0710178-01A	ACS-GW-RESTB01-30	
ME0710178-02A	ACS-GW-RESDUP01-30	
ME0710178-02B	ACS-GW-RESDUP01-30	
ME0710178-02C	ACS-GW-RESDUP01-30	
ME0710178-02D	ACS-GW-RESDUP01-30	
ME0710178-03A	ACS-GW-PWB-30	
ME0710178-03B	ACS-GW-PWB-30	
ME0710178-03C	ACS-GW-PWB-30	

Sample ID	Client Sample ID	Comments
ME0710178-03D	ACS-GW-PWB-30	
ME0710178-04A	ACS-GW-PWC-30	
ME0710178-04B	ACS-GW-PWC-30	
ME0710178-04C	ACS-GW-PWC-30	
ME0710178-04D	ACS-GW-PWC-30	
ME0710178-05A	ACS-GW-PWT-30	
ME0710178-05B	ACS-GW-PWT-30	
ME0710178-05C	ACS-GW-PWT-30	
ME0710178-05D	ACS-GW-PWT-30	
ME0710178-06A	ACS-GW-PWD-30	
ME0710178-06B	ACS-GW-PWD-30	
ME0710178-06C	ACS-GW-PWD-30	
ME0710178-06D	ACS-GW-PWD-30	

ME0710178 MONT. WATSON-IL-CHICAG 10/9/2007
ACS Residential / Griffith, IN RJM
David Powers

Microbac ®

Samples Submitted to:
[X] 250 West 84th Drive, Merrillville, IN 46410, Tel: 219-769-8378, Fax: 219-769-1664
[ ] 5713 West 85th Street, Indianapolis, IN 46278, Tel: 317-872-1375, Fax: 317-872-1379

Chain of Custody Record

Number 79340

Instructions on back

Client Name MWH
Address 175 W JACKSON BLVD #1900
City, State, Zip CHICAGO, IL 60604
Contact DAVID POWERS
Telephone # 312.831.3432

Project ACS RESIDENTIAL
Location GRIFFITH, IN
PO # 4650577
Compliance Monitoring? [X] Yes(1) [ ] No
(1)Agency/Program SUPERFUND

Turnaround Time
[ ] Routine (7 working days)
[X] RUSH* (notify lab)
10/9/2007 (needed by)

Report Type
[ ] Results Only [ ] Level II
[ ] Level III [ ] Level III CLP-like
[X] Level IV [ ] Level IV CLP-like
[ ] EDD

Sampled by (PRINT) DAVID POWERS
Sampler Signature David Powers
Sampler Phone # 312.831.3432
Send Report via [X] Mail [ ] Telephone [ ] Fax (fax #) [ ] e-mail (address) DAVID.P.POWERS@MWHGLOBAL.COM

* **Matrix Types:** Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)
** **Preservative Types:** (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analyses → Preservative Types **	VOCs (Low)	SVOC (Low)	PEST/PCB (Low)	METALS (Low)	CYANIDE (Low)				For Lab Use Only
																	ME0710178
ACS-GW-RES TB01-30	GW	X			10/2/07	0800	1	3	X								1A
ACS-GW-RES DUP01-30	GW	X				1000	9	3,U,1,4	X	X	X	X	X				2A-D
ACS-GW-PWB-30	GW	X				1115	9	3,U,1,4	X	X	X	X	X				3A-D
ACS-GW-PWC-30	GW	X				1220	9	3,U,1,4	X	X	X	X	X				4A-D
ACS-GW-PWT-30 (MS/MSD)	GW	X				1435	9	3,U,1,4	X	X	X	X	X				5A-D

Possible Hazard Identification [ ] Hazardous [ ] Non-Hazardous [ ] Radioactive
Sample Disposition [ ] Dispose as appropriate [ ] Return [ ] Archive

Comments: SAMPLES HELD ON ICE AT ACS FOR NEXT DAY PICK-UP

Sample temperature upon receipt in degrees C = 1°/1°/1°/1°

Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
David Powers	10/2/07 1700		
Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
	10/3/07 1410		
Relinquished By (signature)	Date/Time	Received for Lab By (signature)	Date/Time
		Scott Mecard	10/3/07 1410

rev. 11/04/04

Page ____ of ____

CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56300

Sample ID: PB1008	SampType: MBLK	TestCode: CN_TEPA	Units: mg/L	Prep Date: 10/8/2007 7:45:00 AM	Run ID: LACHAT-2_071008B
Client ID: ZZZZZ	Batch ID: 56300	TestNo: 4500-CN E_1		Analysis Date: 10/8/2007 2:08:56 PM	SeqNo: 1633922

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	0	0.0050									

Sample ID: LCS1008	SampType: LCS	TestCode: CN_TEPA	Units: mg/L	Prep Date: 10/8/2007 7:45:00 AM	Run ID: LACHAT-2_071008B
Client ID: ZZZZZ	Batch ID: 56300	TestNo: 4500-CN E_1		Analysis Date: 10/8/2007 2:10:21 PM	SeqNo: 1633923

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	0.2172	0.0050	0.2	0	109	90	110	0	0		

Sample ID: ICV	SampType: ICV	TestCode: CN_TEPA	Units: mg/L	Prep Date:	Run ID: LACHAT-2_071008B
Client ID: ZZZZZ	Batch ID: 56300	TestNo: 4500-CN E_1		Analysis Date: 10/8/2007 2:06:01 PM	SeqNo: 1633920

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	0.1097	0.0050	0.1	0	110	85	115	0	0		

Sample ID: ICB	SampType: ICB	TestCode: CN_TEPA	Units: mg/L	Prep Date:	Run ID: LACHAT-2_071008B
Client ID: ZZZZZ	Batch ID: 56300	TestNo: 4500-CN E_1		Analysis Date: 10/8/2007 2:07:29 PM	SeqNo: 1633921

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	0	0.0050	0.005	0	0	-100	100	0	0		

Sample ID: ME0710178-05DMS	SampType: MS	TestCode: CN_TW	Units: mg/L	Prep Date: 10/8/2007 7:45:00 AM	Run ID: LACHAT-2_071008B
Client ID: ACS-GW-PWT-30	Batch ID: 56300	TestNo: SW-9012B		Analysis Date: 10/8/2007 2:27:20 PM	SeqNo: 1633935

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	0.2102	0.0050	0.2	0	105	64.9	138	0	0		

Sample ID: ME0710178-05DMS	SampType: MSD	TestCode: CN_TW	Units: mg/L	Prep Date: 10/8/2007 7:45:00 AM	Run ID: LACHAT-2_071008B
Client ID: ACS-GW-PWT-30	Batch ID: 56300	TestNo: SW-9012B		Analysis Date: 10/8/2007 2:28:47 PM	SeqNo: 1633936

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	0.2148	0.0050	0.2	0	107	64.9	138	0.2102	2.17	20	

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56300

Sample ID: CCB	SampType: CCB	TestCode: CN_TW	Units: mg/L	Prep Date:	Run ID: LACHAT-2_071008B
Client ID: ZZZZZ	Batch ID: 56300	TestNo: SW-9012B		Analysis Date: 10/8/2007 2:24:28 PM	SeqNo: 1633933

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	ND	0.0050	0.005	0	0	-100	100	0	0		

Sample ID: CCB	SampType: CCB	TestCode: CN_TW	Units: mg/L	Prep Date:	Run ID: LACHAT-2_071008B
Client ID: ZZZZZ	Batch ID: 56300	TestNo: SW-9012B		Analysis Date: 10/8/2007 2:41:39 PM	SeqNo: 1633945

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	ND	0.0050	0.005	0	0	-100	100	0	0		

Sample ID: CCV	SampType: CCV	TestCode: CN_TW	Units: mg/L	Prep Date:	Run ID: LACHAT-2_071008B
Client ID: ZZZZZ	Batch ID: 56300	TestNo: SW-9012B		Analysis Date: 10/8/2007 2:23:05 PM	SeqNo: 1633932

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	0.2168	0.0050	0.2	0	108	85	115	0	0		

Sample ID: CCV	SampType: CCV	TestCode: CN_TW	Units: mg/L	Prep Date:	Run ID: LACHAT-2_071008B
Client ID: ZZZZZ	Batch ID: 56300	TestNo: SW-9012B		Analysis Date: 10/8/2007 2:40:15 PM	SeqNo: 1633944

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	0.218	0.0050	0.2	0	109	85	115	0	0		

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56212

Sample ID: **MB071004-2** SampType: **MBLK** TestCode: **6020w** Units: **mg/L** Prep Date: **10/4/2007 8:35:00 AM** Run ID: **ICPMS-1_071004A**
Client ID: **ZZZZZ** Batch ID: **56212** TestNo: **SW6020A** Analysis Date: **10/4/2007 5:53:00 PM** SeqNo: **1632274**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.20									
Antimony	0.0005178	0.0060									J
Arsenic	ND	0.010									
Barium	0.0001638	0.0020									J
Cadmium	ND	0.0020									
Calcium	0.02645	0.50									J
Chromium	ND	0.0030									
Cobalt	0.0000061	0.0030									J
Copper	ND	0.010									
Iron	ND	0.050									
Lead	ND	0.0075									
Magnesium	ND	0.50									
Manganese	ND	0.0020									
Nickel	ND	0.010									
Potassium	ND	0.50									
Selenium	0.0005285	0.0050									J
Silver	ND	0.010									
Sodium	ND	0.50									
Thallium	0.0005975	0.0020									J
Vanadium	ND	0.0080									
Zinc	ND	0.020									

Sample ID: **MB071004-2** SampType: **MBLK** TestCode: **6020w** Units: **mg/L** Prep Date: **10/4/2007 8:35:00 AM** Run ID: **ICPMS-1_071005A**
Client ID: **ZZZZZ** Batch ID: **56212** TestNo: **SW6020A** Analysis Date: **10/5/2007 2:40:00 PM** SeqNo: **1633310**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	ND	0.0010									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
H - Analyte was prepared and/or analyzed outside of the analytical method holding time
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56212

Sample ID: **LCS071004-2** SampType: **LCS** TestCode: **6020W** Units: **mg/L** Prep Date: **10/4/2007 8:35:00 AM** Run ID: **ICPMS-1_071004A**
Client ID: **ZZZZZ** Batch ID: **56212** TestNo: **SW6020A** Analysis Date: **10/4/2007 5:59:00 PM** SeqNo: **1632275**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.884	0.20	2	0	94.2	85	115	0	0		
Antimony	2.187	0.0060	2	0	109	85	115	0	0		b
Arsenic	2.02	0.010	2	0	101	85	115	0	0		
Barium	2.163	0.0020	2.2	0	98.3	85	115	0	0		
Cadmium	0.2017	0.0020	0.2	0	101	85	115	0	0		
Calcium	20.32	0.50	20	0	102	85	115	0	0		
Chromium	1.889	0.0030	2	0	94.5	85	115	0	0		
Cobalt	0.1917	0.0030	0.2	0	95.9	85	115	0	0		
Copper	0.1906	0.010	0.2	0	95.3	85	115	0	0		
Iron	2.047	0.050	2	0	102	85	115	0	0		
Lead	1.968	0.0075	2	0	98.4	85	115	0	0		
Magnesium	20.34	0.50	20	0	102	85	115	0	0		
Manganese	0.1924	0.0020	0.2	0	96.2	85	115	0	0		
Nickel	1.859	0.010	2	0	92.9	85	115	0	0		
Potassium	20.15	0.50	20	0	101	85	115	0	0		
Selenium	1.998	0.0050	2	0	99.9	85	115	0	0		b
Silver	0.1956	0.010	0.2	0	97.8	85	115	0	0		
Sodium	20.34	0.50	20	0	102	85	115	0	0		
Thallium	1.926	0.0020	2	0	96.3	85	115	0	0		b
Vanadium	1.853	0.0080	2	0	92.6	85	115	0	0		
Zinc	1.924	0.020	2	0	96.2	85	115	0	0		

Sample ID: **LCS071004-2** SampType: **LCS** TestCode: **6020W** Units: **mg/L** Prep Date: **10/4/2007 8:35:00 AM** Run ID: **ICPMS-1_071005A**
Client ID: **ZZZZZ** Batch ID: **56212** TestNo: **SW6020A** Analysis Date: **10/5/2007 2:47:00 PM** SeqNo: **1633311**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	0.1981	0.0010	0.2	0	99.1	85	115	0	0		

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CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56212

Sample ID: **ME0710178-05CMS** SampType: **MS** TestCode: **6020w** Units: **mg/L** Prep Date: **10/4/2007 8:35:00 AM** Run ID: **ICPMS-1_071004A**
Client ID: **ACS-GW-PWT-30** Batch ID: **56212** TestNo: **SW6020A** Analysis Date: **10/4/2007 6:49:00 PM** SeqNo: **1632282**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.947	0.20	2	0	97.4	70	130	0	0		
Antimony	2.23	0.0060	2	0	112	70	130	0	0		b
Arsenic	2.044	0.010	2	0	102	70	130	0	0		
Barium	2.289	0.0020	2.2	0.1432	97.6	70	130	0	0		
Cadmium	0.1998	0.0020	0.2	0	99.9	70	130	0	0		
Calcium	112.7	0.50	20	91.46	106	70	130	0	0		
Chromium	1.95	0.0030	2	0	97.5	70	130	0	0		
Cobalt	0.1912	0.0030	0.2	0	95.6	70	130	0	0		
Copper	0.1875	0.010	0.2	0	93.7	70	130	0	0		
Iron	4.723	0.050	2	2.716	100	70	130	0	0		
Lead	1.982	0.0075	2	0	99.1	70	130	0	0		
Magnesium	71.78	0.50	20	51.13	103	70	130	0	0		
Manganese	0.2246	0.0020	0.2	0.03287	95.9	70	130	0	0		
Nickel	1.844	0.010	2	0	92.2	70	130	0	0		
Potassium	22.79	0.50	20	2.435	102	70	130	0	0		
Selenium	2.005	0.0050	2	0	100	70	130	0	0		b
Silver	0.194	0.010	0.2	0	97	70	130	0	0		
Sodium	41.91	0.50	20	21.25	103	70	130	0	0		
Thallium	1.954	0.0020	2	0	97.7	70	130	0	0		b
Vanadium	1.905	0.0080	2	0	95.3	70	130	0	0		
Zinc	1.9	0.020	2	0	95	70	130	0	0		

Sample ID: **ME0710178-05CMS** SampType: **MS** TestCode: **6020w** Units: **mg/L** Prep Date: **10/4/2007 8:35:00 AM** Run ID: **ICPMS-1_071005A**
Client ID: **ACS-GW-PWT-30** Batch ID: **56212** TestNo: **SW6020A** Analysis Date: **10/5/2007 3:18:00 PM** SeqNo: **1633316**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	0.2006	0.0010	0.2	0	100	70	130	0	0		

Qualifiers:
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CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56212

Sample ID: **ME0710178-05CMS** SampType: **MSD** TestCode: **6020w** Units: **mg/L** Prep Date: **10/4/2007 8:35:00 AM** Run ID: **ICPMS-1_071004A**
Client ID: **ACS-GW-PWT-30** Batch ID: **56212** TestNo: **SW6020A** Analysis Date: **10/4/2007 6:55:00 PM** SeqNo: **1632283**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.927	0.20	2	0	96.3	70	130	1.947	1.08	20	
Antimony	2.228	0.0060	2	0	111	70	130	2.23	0.113	20	b
Arsenic	2.005	0.010	2	0	100	70	130	2.044	1.92	20	
Barium	2.28	0.0020	2.2	0.1432	97.1	70	130	2.289	0.392	20	
Cadmium	0.2008	0.0020	0.2	0	100	70	130	0.1998	0.472	20	
Calcium	110.6	0.50	20	91.46	95.5	70	130	112.7	1.92	20	
Chromium	1.888	0.0030	2	0	94.4	70	130	1.95	3.20	20	
Cobalt	0.1866	0.0030	0.2	0	93.3	70	130	0.1912	2.42	20	
Copper	0.1842	0.010	0.2	0	92.1	70	130	0.1875	1.75	20	
Iron	4.563	0.050	2	2.716	92.4	70	130	4.723	3.46	20	
Lead	1.963	0.0075	2	0	98.2	70	130	1.982	0.941	20	
Magnesium	70.83	0.50	20	51.13	98.5	70	130	71.78	1.33	20	
Manganese	0.2179	0.0020	0.2	0.03287	92.5	70	130	0.2246	3.06	20	
Nickel	1.799	0.010	2	0	89.9	70	130	1.844	2.49	20	
Potassium	22.28	0.50	20	2.435	99.2	70	130	22.79	2.25	20	
Selenium	1.956	0.0050	2	0	97.8	70	130	2.005	2.43	20	b
Silver	0.1943	0.010	0.2	0	97.2	70	130	0.194	0.180	20	
Sodium	41.03	0.50	20	21.25	98.9	70	130	41.91	2.14	20	
Thallium	1.931	0.0020	2	0	96.6	70	130	1.954	1.17	20	b
Vanadium	1.851	0.0080	2	0	92.5	70	130	1.905	2.90	20	
Zinc	1.859	0.020	2	0	92.9	70	130	1.9	2.21	20	

Sample ID: **ME0710178-05CMS** SampType: **MSD** TestCode: **6020w** Units: **mg/L** Prep Date: **10/4/2007 8:35:00 AM** Run ID: **ICPMS-1_071005A**
Client ID: **ACS-GW-PWT-30** Batch ID: **56212** TestNo: **SW6020A** Analysis Date: **10/5/2007 3:24:00 PM** SeqNo: **1633317**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	0.1994	0.0010	0.2	0	99.7	70	130	0.2006	0.610	20	

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CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56212

Sample ID: ICV | SampType: ICV | TestCode: 6020W | Units: mg/L | Prep Date: | Run ID: ICPMS-1_071004A
Client ID: ZZZZZ | Batch ID: 56212 | TestNo: SW6020A | Analysis Date: 10/4/2007 10:44:00 AM | SeqNo: 1631440

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.02866	0.20	0.025	0	115	90	110	0	0		JS
Antimony	0.02733	0.0060	0.025	0	109	90	110	0	0		
Arsenic	0.02621	0.010	0.025	0	105	90	110	0	0		
Barium	0.02567	0.0020	0.025	0	103	90	110	0	0		
Cadmium	0.02506	0.0020	0.025	0	100	90	110	0	0		
Calcium	2.072	0.50	2.025	0	102	90	110	0	0		
Chromium	0.02564	0.0030	0.025	0	103	90	110	0	0		
Cobalt	0.02619	0.0030	0.025	0	105	90	110	0	0		
Copper	0.02548	0.010	0.025	0	102	90	110	0	0		
Iron	2.041	0.050	2.025	0	101	90	110	0	0		
Lead	0.02503	0.0075	0.025	0	100	90	110	0	0		
Magnesium	2.052	0.50	2.025	0	101	90	110	0	0		
Manganese	0.02553	0.0020	0.025	0	102	90	110	0	0		
Nickel	0.02562	0.010	0.025	0	102	90	110	0	0		
Potassium	2.039	0.50	2.025	0	101	90	110	0	0		
Selenium	0.02598	0.0050	0.025	0	104	90	110	0	0		
Silver	0.02532	0.010	0.025	0	101	90	110	0	0		
Sodium	2.04	0.50	2.025	0	101	90	110	0	0		
Thallium	0.02485	0.0020	0.025	0	99.4	90	110	0	0		
Vanadium	0.02602	0.0080	0.025	0	104	90	110	0	0		
Zinc	0.02648	0.020	0.025	0	106	90	110	0	0		

Sample ID: CCB | SampType: CCB | TestCode: 6020W | Units: mg/L | Prep Date: | Run ID: ICPMS-1_071004A
Client ID: ZZZZZ | Batch ID: 56212 | TestNo: SW6020A | Analysis Date: 10/4/2007 5:09:00 PM | SeqNo: 1632268

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.20	0	0	0	0	0	0	0		
Antimony	ND	0.0060	0	0	0	0	0	0	0		
Arsenic	ND	0.010	0	0	0	0	0	0	0		
Barium	ND	0.0020	0	0	0	0	0	0	0		
Cadmium	ND	0.0020	0	0	0	0	0	0	0		

Qualifiers:
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CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56212

Sample ID: **CCB** SampType: **CCB** TestCode: **6020W** Units: **mg/L** Prep Date: Run ID: **ICPMS-1_071004A**
Client ID: **ZZZZZ** Batch ID: **56212** TestNo: **SW6020A** Analysis Date: **10/4/2007 5:09:00 PM** SeqNo: **1632268**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	ND	0.50	0	0	0	0	0	0	0		
Chromium	ND	0.0030	0	0	0	0	0	0	0		
Cobalt	ND	0.0030	0	0	0	0	0	0	0		
Copper	ND	0.010	0	0	0	0	0	0	0		
Iron	ND	0.050	0	0	0	0	0	0	0		
Lead	ND	0.0075	0	0	0	0	0	0	0		
Magnesium	ND	0.50	0	0	0	0	0	0	0		
Manganese	ND	0.0020	0	0	0	0	0	0	0		
Nickel	ND	0.010	0	0	0	0	0	0	0		
Potassium	ND	0.50	0	0	0	0	0	0	0		
Selenium	ND	0.0050	0	0	0	0	0	0	0		
Silver	ND	0.010	0	0	0	0	0	0	0		
Sodium	ND	0.50	0	0	0	0	0	0	0		
Thallium	0.0000894	0.0020	0	0	0	0	0	0	0		J
Vanadium	ND	0.0080	0	0	0	0	0	0	0		
Zinc	ND	0.020	0	0	0	0	0	0	0		

Sample ID: **CCB** SampType: **CCB** TestCode: **6020W** Units: **mg/L** Prep Date: Run ID: **ICPMS-1_071004A**
Client ID: **ZZZZZ** Batch ID: **56212** TestNo: **SW6020A** Analysis Date: **10/4/2007 6:24:00 PM** SeqNo: **1632278**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.20	0	0	0	0	0	0	0		
Antimony	0.00003838	0.0060	0	0	0	0	0	0	0		J
Arsenic	ND	0.010	0	0	0	0	0	0	0		
Barium	ND	0.0020	0	0	0	0	0	0	0		
Cadmium	ND	0.0020	0	0	0	0	0	0	0		
Calcium	ND	0.50	0	0	0	0	0	0	0		
Chromium	ND	0.0030	0	0	0	0	0	0	0		
Cobalt	0.00000205	0.0030	0	0	0	0	0	0	0		J
Copper	ND	0.010	0	0	0	0	0	0	0		
Iron	ND	0.050	0	0	0	0	0	0	0		

Qualifiers:
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b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56212

Sample ID: CCB | SampType: CCB | TestCode: 6020W | Units: mg/L | Prep Date: | Run ID: ICPMS-1_071004A
Client ID: ZZZZZ | Batch ID: 56212 | TestNo: SW6020A | Analysis Date: 10/4/2007 6:24:00 PM | SeqNo: 1632278

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.0075	0	0	0	0	0	0	0		
Magnesium	ND	0.50	0	0	0	0	0	0	0		
Manganese	ND	0.0020	0	0	0	0	0	0	0		
Nickel	ND	0.010	0	0	0	0	0	0	0		
Potassium	ND	0.50	0	0	0	0	0	0	0		
Selenium	0.00004857	0.0050	0	0	0	0	0	0	0		J
Silver	0.00000268	0.010	0	0	0	0	0	0	0		J
Sodium	ND	0.50	0	0	0	0	0	0	0		
Thallium	0.0001456	0.0020	0	0	0	0	0	0	0		J
Vanadium	ND	0.0080	0	0	0	0	0	0	0		
Zinc	ND	0.020	0	0	0	0	0	0	0		

Sample ID: CCB | SampType: CCB | TestCode: 6020W | Units: mg/L | Prep Date: | Run ID: ICPMS-1_071004A
Client ID: ZZZZZ | Batch ID: 56212 | TestNo: SW6020A | Analysis Date: 10/4/2007 7:39:00 PM | SeqNo: 1632288

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.20	0	0	0	0	0	0	0		
Antimony	0.00004571	0.0060	0	0	0	0	0	0	0		J
Arsenic	ND	0.010	0	0	0	0	0	0	0		
Barium	ND	0.0020	0	0	0	0	0	0	0		
Cadmium	ND	0.0020	0	0	0	0	0	0	0		
Calcium	ND	0.50	0	0	0	0	0	0	0		
Chromium	ND	0.0030	0	0	0	0	0	0	0		
Cobalt	0.00000247	0.0030	0	0	0	0	0	0	0		J
Copper	ND	0.010	0	0	0	0	0	0	0		
Iron	ND	0.050	0	0	0	0	0	0	0		
Lead	ND	0.0075	0	0	0	0	0	0	0		
Magnesium	ND	0.50	0	0	0	0	0	0	0		
Manganese	ND	0.0020	0	0	0	0	0	0	0		
Nickel	ND	0.010	0	0	0	0	0	0	0		
Potassium	ND	0.50	0	0	0	0	0	0	0		

Qualifiers:
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R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56212

Sample ID: CCB | SampType: CCB | TestCode: 6020W | Units: mg/L | Prep Date: | Run ID: ICPMS-1_071004A
Client ID: ZZZZZ | Batch ID: 56212 | TestNo: SW6020A | Analysis Date: 10/4/2007 7:39:00 PM | SeqNo: 1632288

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	ND	0.0050	0	0	0	0	0	0	0		
Silver	ND	0.010	0	0	0	0	0	0	0		
Sodium	ND	0.50	0	0	0	0	0	0	0		
Thallium	0.0001361	0.0020	0	0	0	0	0	0	0		J
Vanadium	ND	0.0080	0	0	0	0	0	0	0		
Zinc	ND	0.020	0	0	0	0	0	0	0		

Sample ID: ICV | SampType: ICV | TestCode: 6020W | Units: mg/L | Prep Date: | Run ID: ICPMS-1_071005A
Client ID: ZZZZZ | Batch ID: 56212 | TestNo: SW6020A | Analysis Date: 10/5/2007 12:45:00 PM | SeqNo: 1633304

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	0.02375	0.0010	0.025	0	95	90	110	0	0		

Sample ID: CCB | SampType: CCB | TestCode: 6020W | Units: mg/L | Prep Date: | Run ID: ICPMS-1_071005A
Client ID: ZZZZZ | Batch ID: 56212 | TestNo: SW6020A | Analysis Date: 10/5/2007 1:19:00 PM | SeqNo: 1633309

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	ND	0.0010	0	0	0	0	0	0	0		

Sample ID: CCB | SampType: CCB | TestCode: 6020W | Units: mg/L | Prep Date: | Run ID: ICPMS-1_071005A
Client ID: ZZZZZ | Batch ID: 56212 | TestNo: SW6020A | Analysis Date: 10/5/2007 3:50:00 PM | SeqNo: 1633320

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	ND	0.0010	0	0	0	0	0	0	0		

Sample ID: CCV | SampType: CCV | TestCode: 6020W | Units: mg/L | Prep Date: | Run ID: ICPMS-1_071004A
Client ID: ZZZZZ | Batch ID: 56212 | TestNo: SW6020A | Analysis Date: 10/4/2007 5:02:00 PM | SeqNo: 1632267

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.0491	0.20	0.05	0	98.2	90	110	0	0		J
Antimony	0.05239	0.0060	0.05	0	105	90	110	0	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56212

Sample ID: CCV | SampType: CCV | TestCode: 6020W | Units: mg/L | Prep Date: | Run ID: ICPMS-1_071004A
Client ID: ZZZZZ | Batch ID: 56212 | TestNo: SW6020A | Analysis Date: 10/4/2007 5:02:00 PM | SeqNo: 1632267

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.04953	0.010	0.05	0	99.1	90	110	0	0		
Barium	0.04921	0.0020	0.05	0	98.4	90	110	0	0		
Cadmium	0.0487	0.0020	0.05	0	97.4	90	110	0	0		
Calcium	3.979	0.50	4.05	0	98.2	90	110	0	0		
Chromium	0.04831	0.0030	0.05	0	96.6	90	110	0	0		
Cobalt	0.04757	0.0030	0.05	0	95.1	90	110	0	0		
Copper	0.0477	0.010	0.05	0	95.4	90	110	0	0		
Iron	3.882	0.050	4.05	0	95.9	90	110	0	0		
Lead	0.04773	0.0075	0.05	0	95.5	90	110	0	0		
Magnesium	4.045	0.50	4.05	0	99.9	90	110	0	0		
Manganese	0.0478	0.0020	0.05	0	95.6	90	110	0	0		
Nickel	0.04694	0.010	0.05	0	93.9	90	110	0	0		
Potassium	3.893	0.50	4.05	0	96.1	90	110	0	0		
Selenium	0.04886	0.0050	0.05	0	97.7	90	110	0	0		
Silver	0.04892	0.010	0.05	0	97.8	90	110	0	0		
Sodium	3.976	0.50	4.05	0	98.2	90	110	0	0		
Thallium	0.04778	0.0020	0.05	0	95.6	90	110	0	0		
Vanadium	0.04869	0.0080	0.05	0	97.4	90	110	0	0		
Zinc	0.04767	0.020	0.05	0	95.3	90	110	0	0		

Sample ID: CCV | SampType: CCV | TestCode: 6020W | Units: mg/L | Prep Date: | Run ID: ICPMS-1_071004A
Client ID: ZZZZZ | Batch ID: 56212 | TestNo: SW6020A | Analysis Date: 10/4/2007 6:18:00 PM | SeqNo: 1632277

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.04729	0.20	0.05	0	94.6	90	110	0	0		J
Antimony	0.05244	0.0060	0.05	0	105	90	110	0	0		
Arsenic	0.04893	0.010	0.05	0	97.9	90	110	0	0		
Barium	0.04977	0.0020	0.05	0	99.5	90	110	0	0		
Cadmium	0.04828	0.0020	0.05	0	96.6	90	110	0	0		
Calcium	3.851	0.50	4.05	0	95.1	90	110	0	0		
Chromium	0.04598	0.0030	0.05	0	92	90	110	0	0		

Qualifiers:
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B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56212

Sample ID: CCV | SampType: CCV | TestCode: 6020W | Units: mg/L | Prep Date: | Run ID: ICPMS-1_071004A
Client ID: ZZZZZ | Batch ID: 56212 | TestNo: SW6020A | Analysis Date: 10/4/2007 6:18:00 PM | SeqNo: 1632277

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	0.04699	0.0030	0.05	0	94	90	110	0	0		
Copper	0.04708	0.010	0.05	0	94.2	90	110	0	0		
Iron	3.765	0.050	4.05	0	93	90	110	0	0		
Lead	0.0481	0.0075	0.05	0	96.2	90	110	0	0		
Magnesium	3.922	0.50	4.05	0	96.9	90	110	0	0		
Manganese	0.04658	0.0020	0.05	0	93.2	90	110	0	0		
Nickel	0.04607	0.010	0.05	0	92.1	90	110	0	0		
Potassium	3.792	0.50	4.05	0	93.6	90	110	0	0		
Selenium	0.04801	0.0050	0.05	0	96	90	110	0	0		
Silver	0.04877	0.010	0.05	0	97.5	90	110	0	0		
Sodium	3.836	0.50	4.05	0	94.7	90	110	0	0		
Thallium	0.04778	0.0020	0.05	0	95.6	90	110	0	0		
Vanadium	0.04629	0.0080	0.05	0	92.6	90	110	0	0		
Zinc	0.04708	0.020	0.05	0	94.2	90	110	0	0		

Sample ID: CCV | SampType: CCV | TestCode: 6020W | Units: mg/L | Prep Date: | Run ID: ICPMS-1_071004A
Client ID: ZZZZZ | Batch ID: 56212 | TestNo: SW6020A | Analysis Date: 10/4/2007 7:33:00 PM | SeqNo: 1632287

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.0483	0.20	0.05	0	96.6	90	110	0	0		J
Antimony	0.05253	0.0060	0.05	0	105	90	110	0	0		
Arsenic	0.04918	0.010	0.05	0	98.4	90	110	0	0		
Barium	0.04951	0.0020	0.05	0	99	90	110	0	0		
Cadmium	0.04879	0.0020	0.05	0	97.6	90	110	0	0		
Calcium	3.91	0.50	4.05	0	96.5	90	110	0	0		
Chromium	0.04695	0.0030	0.05	0	93.9	90	110	0	0		
Cobalt	0.04774	0.0030	0.05	0	95.5	90	110	0	0		
Copper	0.04727	0.010	0.05	0	94.5	90	110	0	0		
Iron	3.837	0.050	4.05	0	94.8	90	110	0	0		
Lead	0.04826	0.0075	0.05	0	96.5	90	110	0	0		
Magnesium	3.925	0.50	4.05	0	96.9	90	110	0	0		

Qualifiers:
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B - Analyte detected above reporting limit in the Method Blank
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CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56212

Sample ID: CCV | SampType: CCV | TestCode: 6020W | Units: mg/L | Prep Date: | Run ID: ICPMS-1_071004A
Client ID: ZZZZZ | Batch ID: 56212 | TestNo: SW6020A | Analysis Date: 10/4/2007 7:33:00 PM | SeqNo: 1632287

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Manganese	0.04728	0.0020	0.05	0	94.6	90	110	0	0		
Nickel	0.04635	0.010	0.05	0	92.7	90	110	0	0		
Potassium	3.827	0.50	4.05	0	94.5	90	110	0	0		
Selenium	0.04863	0.0050	0.05	0	97.3	90	110	0	0		
Silver	0.04911	0.010	0.05	0	98.2	90	110	0	0		
Sodium	3.946	0.50	4.05	0	97.4	90	110	0	0		
Thallium	0.04836	0.0020	0.05	0	96.7	90	110	0	0		
Vanadium	0.04723	0.0080	0.05	0	94.5	90	110	0	0		
Zinc	0.04731	0.020	0.05	0	94.6	90	110	0	0		

Sample ID: CCV | SampType: CCV | TestCode: 6020W | Units: mg/L | Prep Date: | Run ID: ICPMS-1_071005A
Client ID: ZZZZZ | Batch ID: 56212 | TestNo: SW6020A | Analysis Date: 10/5/2007 1:12:00 PM | SeqNo: 1633308

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	0.04771	0.0010	0.05	0	95.4	90	110	0	0		

Sample ID: CCV | SampType: CCV | TestCode: 6020W | Units: mg/L | Prep Date: | Run ID: ICPMS-1_071005A
Client ID: ZZZZZ | Batch ID: 56212 | TestNo: SW6020A | Analysis Date: 10/5/2007 3:43:00 PM | SeqNo: 1633319

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	0.04561	0.0010	0.05	0	91.2	90	110	0	0		

Sample ID: ICB | SampType: ICB | TestCode: 6020W | Units: mg/L | Prep Date: | Run ID: ICPMS-1_071004A
Client ID: ZZZZZ | Batch ID: 56212 | TestNo: SW6020A | Analysis Date: 10/4/2007 10:51:00 AM | SeqNo: 1631441

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.20	0	0	0	0	0	0	0		
Antimony	0.0001394	0.0060	0	0	0	0	0	0	0		J
Arsenic	ND	0.010	0	0	0	0	0	0	0		
Barium	ND	0.0020	0	0	0	0	0	0	0		
Cadmium	ND	0.0020	0	0	0	0	0	0	0		

Qualifiers:
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CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56212

Sample ID: **ICB** SampType: **ICB** TestCode: **6020W** Units: **mg/L** Prep Date: Run ID: **ICPMS-1_071004A**
Client ID: **ZZZZZ** Batch ID: **56212** TestNo: **SW6020A** Analysis Date: **10/4/2007 10:51:00 AM** SeqNo: **1631441**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	ND	0.50	0	0	0	0	0	0	0		
Chromium	ND	0.0030	0	0	0	0	0	0	0		
Cobalt	0.00000338	0.0030	0	0	0	0	0	0	0		J
Copper	ND	0.010	0	0	0	0	0	0	0		
Iron	ND	0.050	0	0	0	0	0	0	0		
Lead	ND	0.0075	0	0	0	0	0	0	0		
Magnesium	ND	0.50	0	0	0	0	0	0	0		
Manganese	0.0001546	0.0020	0	0	0	0	0	0	0		J
Nickel	ND	0.010	0	0	0	0	0	0	0		
Potassium	ND	0.50	0	0	0	0	0	0	0		
Selenium	ND	0.0050	0	0	0	0	0	0	0		
Silver	0.00000376	0.010	0	0	0	0	0	0	0		J
Sodium	ND	0.50	0	0	0	0	0	0	0		
Thallium	0.00004787	0.0020	0	0	0	0	0	0	0		J
Vanadium	ND	0.0080	0	0	0	0	0	0	0		
Zinc	ND	0.020	0	0	0	0	0	0	0		

Sample ID: **ICB** SampType: **ICB** TestCode: **6020W** Units: **mg/L** Prep Date: Run ID: **ICPMS-1_071005A**
Client ID: **ZZZZZ** Batch ID: **56212** TestNo: **SW6020A** Analysis Date: **10/5/2007 12:51:00 PM** SeqNo: **1633305**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	ND	0.0010	0	0	0	0	0	0	0		

Qualifiers:
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CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56285

Sample ID: **MB071006-7** SampType: **MBLK** TestCode: **HG_W** Units: **mg/L** Prep Date: **10/6/2007 10:35:00 AM** Run ID: **CVAA_071008B**
Client ID: **ZZZZZ** Batch ID: **56285** TestNo: **SW7470A** Analysis Date: **10/8/2007 2:09:00 PM** SeqNo: **1634037**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020									

Sample ID: **LCS071006-7** SampType: **LCS** TestCode: **HG_W** Units: **mg/L** Prep Date: **10/6/2007 10:35:00 AM** Run ID: **CVAA_071008B**
Client ID: **ZZZZZ** Batch ID: **56285** TestNo: **SW7470A** Analysis Date: **10/8/2007 2:10:00 PM** SeqNo: **1634038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00191	0.00020	0.002	0	95.5	80	120	0	0		

Sample ID: **ME0710178-05CMS** SampType: **MS** TestCode: **HG_W** Units: **mg/L** Prep Date: **10/6/2007 10:35:00 AM** Run ID: **CVAA_071008B**
Client ID: **ACS-GW-PWT-30** Batch ID: **56285** TestNo: **SW7470A** Analysis Date: **10/8/2007 2:18:00 PM** SeqNo: **1634043**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00192	0.00020	0.002	0	96	75	125	0	0		

Sample ID: **ME0710178-05CMS** SampType: **MSD** TestCode: **HG_W** Units: **mg/L** Prep Date: **10/6/2007 10:35:00 AM** Run ID: **CVAA_071008B**
Client ID: **ACS-GW-PWT-30** Batch ID: **56285** TestNo: **SW7470A** Analysis Date: **10/8/2007 2:19:00 PM** SeqNo: **1634044**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00188	0.00020	0.002	0	94	75	125	0.00192	2.11	20	

Sample ID: **ICV** SampType: **ICV** TestCode: **HG_W** Units: **mg/L** Prep Date: Run ID: **CVAA_071008B**
Client ID: **ZZZZZ** Batch ID: **56285** TestNo: **SW7470A** Analysis Date: **10/8/2007 1:30:00 PM** SeqNo: **1634010**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00102	0.00020	0.001	0	102	90	110	0	0		

Sample ID: **CCB** SampType: **CCB** TestCode: **HG_W** Units: **mg/L** Prep Date: Run ID: **CVAA_071008B**
Client ID: **ZZZZZ** Batch ID: **56285** TestNo: **SW7470A** Analysis Date: **10/8/2007 2:06:00 PM** SeqNo: **1634035**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020	0	0	0			0	0		

Qualifiers:
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CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56285

Sample ID: CCB	SampType: CCB	TestCode: HG_W	Units: mg/L	Prep Date:	Run ID: CVAA_071008B
Client ID: ZZZZZ	Batch ID: 56285	TestNo: SW7470A		Analysis Date: 10/8/2007 2:23:00 PM	SeqNo: 1634047

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020	0	0	0			0	0		

Sample ID: CCV	SampType: CCV	TestCode: HG_W	Units: mg/L	Prep Date:	Run ID: CVAA_071008B
Client ID: ZZZZZ	Batch ID: 56285	TestNo: SW7470A		Analysis Date: 10/8/2007 2:05:00 PM	SeqNo: 1634034

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00497	0.00020	0.005	0	99.4	80	120	0	0		

Sample ID: CCV	SampType: CCV	TestCode: HG_W	Units: mg/L	Prep Date:	Run ID: CVAA_071008B
Client ID: ZZZZZ	Batch ID: 56285	TestNo: SW7470A		Analysis Date: 10/8/2007 2:22:00 PM	SeqNo: 1634046

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00504	0.00020	0.005	0	101	80	120	0	0		

Sample ID: ICB	SampType: ICB	TestCode: HG_W	Units: mg/L	Prep Date:	Run ID: CVAA_071008B
Client ID: ZZZZZ	Batch ID: 56285	TestNo: SW7470A		Analysis Date: 10/8/2007 1:32:00 PM	SeqNo: 1634011

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020	0	0	0	0	0	0	0		

Qualifiers:

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CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56278

Sample ID: **bk-3-100607** SampType: **mblk** TestCode: **8081-82_pest** Units: **µg/L** Prep Date: **10/6/2007 1:15:00 PM** Run ID: **ECD-2_071008A**
Client ID: **ZZZZZ** Batch ID: **56278** TestNo: **SW8081A/808** Analysis Date: **10/8/2007 11:53:00 PM** SeqNo: **1634660**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	0	1.0									
4,4´-DDE	0	1.0									
4,4´-DDT	0	1.0									
Aldrin	0	0.050									
Alpha-BHC	0	0.050									
Beta-BHC	0	0.20									
delta-BHC	0	1.0									
Dieldrin	0	0.050									
Endosulfan I	0	1.0									
Endosulfan II	0	1.0									
Endosulfan Sulfate	0	1.0									
Endrin	0	1.0									
Endrin Aldehyde	0	1.0									
Endrin Ketone	0	1.0									
Gamma-BHC	0	0.10									
Heptachlor	0	0.20									
Heptachlor Epoxide	0	0.10									
Methoxychlor	0	1.0									
Toxaphene	0	2.0									
Aroclor 1016	0	0.50									
Aroclor 1221	0	0.50									
Aroclor 1232	0	0.50									
Aroclor 1242	0	0.50									
Aroclor 1248	0	0.50									
Aroclor 1254	0	0.50									
Aroclor 1260	0	0.50									
Surr: Tetrachloro-m-xylene	0.14	0	0.2	0	70	7.58	153	0	0		
Surr: Decachlorobiphenyl	0.17	0	0.2	0	85	15.4	169	0	0		

Qualifiers:
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R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56278

Sample ID: **lcs-3a-100607** SampType: **lcs** TestCode: **8081-82_pest** Units: **µg/L** Prep Date: **10/6/2007 1:15:00 PM** Run ID: **ECD-2_071008A**
Client ID: **ZZZZZ** Batch ID: **56278** TestNo: **SW8081A/808** Analysis Date: **10/9/2007 12:20:00 AM** SeqNo: **1634661**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.37	1.0	0.5	0	74	10	289.9	0	0		J
Aldrin	0.35	0.050	0.5	0	70	10	297.6	0	0		
Dieldrin	0.38	0.050	0.5	0	76	22.89	155.6	0	0		
Endrin	0.39	1.0	0.5	0	78	40.93	109	0	0		J
Gamma-BHC	0.39	0.10	0.5	0	78	8.62	112.2	0	0		
Heptachlor	0.38	0.20	0.5	0	76	24.81	100.3	0	0		
Surr: Tetrachloro-m-xylene	0.18	0	0.2	0	90	7.58	153	0	0		
Surr: Decachlorobiphenyl	0.16	0	0.2	0	80	15.4	169	0	0		

Sample ID: **lcs-3b-100607** SampType: **lcs** TestCode: **8081-82_pest** Units: **µg/L** Prep Date: **10/6/2007 1:15:00 PM** Run ID: **ECD-2_071008A**
Client ID: **ZZZZZ** Batch ID: **56278** TestNo: **SW8081A/808** Analysis Date: **10/9/2007 12:48:00 AM** SeqNo: **1634662**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.266	0.50	5	0	85.3	30.7	153	0	0		
Aroclor 1260	7.664	0.50	5	0	153	38.9	138	0	0		S
Surr: Tetrachloro-m-xylene	0.15	0	0.2	0	75	7.58	153	0	0		
Surr: Decachlorobiphenyl	0.14	0	0.2	0	70	15.4	169	0	0		

Sample ID: **me0710178-05bms** SampType: **ms** TestCode: **8081-82_pest** Units: **µg/L** Prep Date: **10/6/2007 1:15:00 PM** Run ID: **ECD-2_071008A**
Client ID: **ACS-GW-PWT-30** Batch ID: **56278** TestNo: **SW8081A/808** Analysis Date: **10/9/2007 3:07:00 AM** SeqNo: **1634674**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.78	2.0	1	0	78	10	193.1	0	0		J
Aldrin	0.74	0.10	1	0	74	10	156.1	0	0		
Dieldrin	0.8	0.10	1	0	80	27.59	144.7	0	0		
Endrin	0.84	2.0	1	0	84	32.82	135.2	0	0		J
Gamma-BHC	0.78	0.20	1	0	78	20.69	135.6	0	0		
Heptachlor	0.76	0.40	1	0	76	24.23	123.9	0	0		
Surr: Tetrachloro-m-xylene	0.34	0	0.4	0	85	7.58	153	0	0		
Surr: Decachlorobiphenyl	0.34	0	0.4	0	85	15.4	169	0	0		

Qualifiers:
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CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56278

Sample ID: **me0710178-05bmsd** SampType: **msd** TestCode: **8081-82_pest** Units: **µg/L** Prep Date: **10/6/2007 1:15:00 PM** Run ID: **ECD-2_071008A**

Client ID: **ACS-GW-PWT-30** Batch ID: **56278** TestNo: **SW8081A/808** Analysis Date: **10/9/2007 3:34:00 AM** SeqNo: **1634675**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.8125	2.1	1.042	0	78	10	193.1	0.78	0	15.33	J
Aldrin	0.7708	0.10	1.042	0	74	10	156.1	0.74	4.08	32.02	
Dieldrin	0.8333	0.10	1.042	0	80	27.59	144.7	0.8	4.08	14.94	
Endrin	0.8333	2.1	1.042	0	80	32.82	135.2	0.84	0	22.72	J
Gamma-BHC	0.8333	0.21	1.042	0	80	20.69	135.6	0.78	6.61	22.69	
Heptachlor	0.8125	0.42	1.042	0	78	24.23	123.9	0.76	6.68	23.63	
Surr: Tetrachloro-m-xylene	0.375	0	0.4167	0	90	7.58	153	0	0	0	
Surr: Decachlorobiphenyl	0.375	0	0.4167	0	90	15.4	169	0	0	0	

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CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56275

Sample ID: **bk-1-100607** SampType: **mblk** TestCode: **8270_w** Units: **µg/L** Prep Date: **10/6/2007 8:30:00 AM** Run ID: **SVOA-3_071008A**
Client ID: **ZZZZZ** Batch ID: **56275** TestNo: **SW8270C** Analysis Date: **10/8/2007 6:50:00 PM** SeqNo: **1634244**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Bromophenyl phenyl ether	ND	10									
Bis(2-ethylhexyl)phthalate	ND	10									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Anthracene	ND	10									
Benzo[a]anthracene	ND	10									
Benzo[a]pyrene	1.76	10									J
Benzo[b]fluoranthene	ND	10									
Benzo[g,h,i]perylene	2.45	10									J
Benzo[k]fluoranthene	ND	10									
Bis(2-chloroethoxy)methane	ND	10									
Bis(2-chloroethyl)ether	ND	10									
Bis(2-chloroisopropyl)ether	ND	10									
Butyl benzyl phthalate	1.5	10									J
Carbazole	ND	10									
4-Chloro-3-methylphenol	ND	20									
4-Chloroaniline	ND	20									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
4-Chlorophenyl phenyl ether	ND	10									
Chrysene	ND	10									
Dibenz[a,h]anthracene	2.24	10									J
Dibenzofuran	ND	10									
3,3´-Dichlorobenzidine	ND	50									
2,4-Dichlorophenol	ND	10									
Diethyl phthalate	ND	10									
Dimethyl phthalate	ND	10									
2,4-Dimethylphenol	ND	10									
Di-n-butyl phthalate	ND	10									
Di-n-octyl phthalate	ND	10									
4,6-Dinitro-2-methylphenol	ND	50									

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CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56275

Sample ID: **bk-1-100607** SampType: **mblk** TestCode: **8270_w** Units: **µg/L** Prep Date: **10/6/2007 8:30:00 AM** Run ID: **SVOA-3_071008A**
Client ID: **ZZZZZ** Batch ID: **56275** TestNo: **SW8270C** Analysis Date: **10/8/2007 6:50:00 PM** SeqNo: **1634244**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
Fluoranthene	ND	10									
Fluorene	ND	10									
Hexachlorobenzene	ND	10									
Hexachlorobutadiene	ND	10									
Hexachlorocyclopentadiene	ND	10									
Hexachloroethane	ND	10									
Indeno[1,2,3cd]pyrene	1.99	10									J
Isophorone	ND	10									
2-Methylnaphthalene	ND	10									
2-Methylphenol	ND	10									
3/4-Methylphenol	ND	10									
2-Nitroaniline	ND	50									
3-Nitroaniline	ND	50									
4-Nitroaniline	ND	50									
2-Nitrophenol	ND	10									
4-Nitrophenol	ND	50									
N-Nitrosodi-n-propylamine	ND	10									
N-Nitrosodiphenylamine	ND	10									
Naphthalene	ND	10									
Nitrobenzene	ND	10									
Pentachlorophenol	ND	50									
Phenanthrene	ND	10									
Phenol	ND	10									
Pyrene	ND	10									
2,4,5-Trichlorophenol	ND	10									
2,4,6-Trichlorophenol	ND	10									
Surr: Nitrobenzene-d5	41.8	0	100	0	41.8	10	121	0	0		
Surr: 2-Fluorobiphenyl	41.81	0	100	0	41.8	10	109	0	0		

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CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56275

Sample ID: **bk-1-100607** SampType: **mblk** TestCode: **8270_w** Units: **µg/L** Prep Date: **10/6/2007 8:30:00 AM** Run ID: **SVOA-3_071008A**
Client ID: **ZZZZZ** Batch ID: **56275** TestNo: **SW8270C** Analysis Date: **10/8/2007 6:50:00 PM** SeqNo: **1634244**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Terphenyl-d14	63.93	0	100	0	63.9	10	130	0	0		
Surr: Phenol-d5	28	0	150	0	18.7	10	100	0	0		
Surr: 2-Fluorophenol	40.02	0	150	0	26.7	10	84.7	0	0		
Surr: 2,4,6-Tribromophenol	77.83	0	150	0	51.9	10	120	0	0		

Sample ID: **lcs-1-100607** SampType: **lcs** TestCode: **8270_w** Units: **µg/L** Prep Date: **10/6/2007 8:30:00 AM** Run ID: **SVOA-3_071008A**
Client ID: **ZZZZZ** Batch ID: **56275** TestNo: **SW8270C** Analysis Date: **10/8/2007 7:15:00 PM** SeqNo: **1634245**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	29.31	10	60	0	48.9	28.6	88.6	0	0		
4-Chloro-3-methylphenol	30.99	20	60	0	51.6	27.2	97.7	0	0		
2-Chlorophenol	24.81	10	60	0	41.4	31.3	81.3	0	0		
2,4-Dinitrotoluene	32.94	10	60	0	54.9	23.5	95.4	0	0		
4-Nitrophenol	12.3	50	60	0	20.5	5	56.2	0	0		J
N-Nitrosodi-n-propylamine	31.14	10	60	0	51.9	15.9	119	0	0		
Pentachlorophenol	21.04	50	60	0	35.1	5	114	0	0		J
Phenol	15.58	10	60	0	26	5	46.7	0	0		
Pyrene	31.83	10	60	0	53	25.3	103	0	0		
Surr: Nitrobenzene-d5	52.33	0	100	0	52.3	10	121	0	0		
Surr: 2-Fluorobiphenyl	54.57	0	100	0	54.6	10	109	0	0		
Surr: Terphenyl-d14	69.84	0	100	0	69.8	10	130	0	0		
Surr: Phenol-d5	32.86	0	150	0	21.9	10	100	0	0		
Surr: 2-Fluorophenol	44.69	0	150	0	29.8	10	84.7	0	0		
Surr: 2,4,6-Tribromophenol	94.28	0	150	0	62.9	10	120	0	0		

Sample ID: **me0710178-05bms** SampType: **ms** TestCode: **8270_w** Units: **µg/L** Prep Date: **10/6/2007 8:30:00 AM** Run ID: **SVOA-3_071008A**
Client ID: **ACS-GW-PWT-30** Batch ID: **56275** TestNo: **SW8270C** Analysis Date: **10/8/2007 10:07:00 PM** SeqNo: **1635134**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	59.44	20	120	0	49.5	14.5	96.6	0	0		
4-Chloro-3-methylphenol	68.82	40	120	0	57.4	9.03	111	0	0		

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CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56275

Sample ID: **me0710178-05bms** SampType: **ms** TestCode: **8270_w** Units: **µg/L** Prep Date: **10/6/2007 8:30:00 AM** Run ID: **SVOA-3_071008A**
Client ID: **ACS-GW-PWT-30** Batch ID: **56275** TestNo: **SW8270C** Analysis Date: **10/8/2007 10:07:00 PM** SeqNo: **1635134**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chlorophenol	56.02	20	120	0	46.7	5	106	0	0		
2,4-Dinitrotoluene	71.12	20	120	0	59.3	18.7	96.2	0	0		
4-Nitrophenol	44.34	20	120	0	37	5	95.2	0	0		
N-Nitrosodi-n-propylamine	66.62	20	120	0	55.5	6.65	116	0	0		
Pentachlorophenol	54.7	20	120	0	45.6	5	135	0	0		
Phenol	48.36	20	120	0	40.3	5	70.4	0	0		
Pyrene	65.36	20	120	0	54.5	14.3	107	0	0		
Surr: Nitrobenzene-d5	115.9	0	200	0	58	10	121	0	0		
Surr: 2-Fluorobiphenyl	116.4	0	200	0	58.2	10	109	0	0		
Surr: Terphenyl-d14	150.2	0	200	0	75.1	10	130	0	0		
Surr: Phenol-d5	115.7	0	300	0	38.6	10	100	0	0		
Surr: 2-Fluorophenol	140.2	0	300	0	46.7	10	84.7	0	0		
Surr: 2,4,6-Tribromophenol	203.6	0	300	0	67.9	10	120	0	0		

Sample ID: **me0710178-05bmsd** SampType: **msd** TestCode: **8270_w** Units: **µg/L** Prep Date: **10/6/2007 8:30:00 AM** Run ID: **SVOA-3_071008A**
Client ID: **ACS-GW-PWT-30** Batch ID: **56275** TestNo: **SW8270C** Analysis Date: **10/8/2007 10:32:00 PM** SeqNo: **1635135**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	67.81	21	125	0	54.3	14.5	96.6	59.44	13.2	41.3	
4-Chloro-3-methylphenol	75.92	42	125	0	60.7	9.03	111	68.82	9.81	43.6	
2-Chlorophenol	61.85	21	125	0	49.5	5	106	56.02	9.90	44.3	
2,4-Dinitrotoluene	72.21	21	125	0	57.8	18.7	96.2	71.12	1.52	36.5	
4-Nitrophenol	42.1	21	125	0	33.7	5	95.2	44.34	5.17	16.6	
N-Nitrosodi-n-propylamine	76	21	125	0	60.8	6.65	116	66.62	13.2	42.7	
Pentachlorophenol	50.52	21	125	0	40.4	5	135	54.7	7.94	29.2	
Phenol	52.85	21	125	0	42.3	5	70.4	48.36	8.88	55	
Pyrene	75.81	21	125	0	60.7	14.3	107	65.36	14.8	37.7	
Surr: Nitrobenzene-d5	130.7	0	208.3	0	62.7	10	121	0	0	0	
Surr: 2-Fluorobiphenyl	132.5	0	208.3	0	63.6	10	109	0	0	0	
Surr: Terphenyl-d14	164.7	0	208.3	0	79	10	130	0	0	0	
Surr: Phenol-d5	124.1	0	312.5	0	39.7	10	100	0	0	0	

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CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: 56275

Sample ID: **me0710178-05bmsd** SampType: **msd** TestCode: **8270_w** Units: **µg/L** Prep Date: **10/6/2007 8:30:00 AM** Run ID: **SVOA-3_071008A**
Client ID: **ACS-GW-PWT-30** Batch ID: **56275** TestNo: **SW8270C** Analysis Date: **10/8/2007 10:32:00 PM** SeqNo: **1635135**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorophenol	148.9	0	312.5	0	47.7	10	84.7	0	0	0	
Surr: 2,4,6-Tribromophenol	215.1	0	312.5	0	68.8	10	120	0	0	0	

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CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103430

Sample ID: **MBLK W-25 10/10/0** SampType: **MBLK** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ZZZZZ** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 6:31:00 AM** SeqNo: **1635319**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	0	5.0									
Benzene	0	1.0									
Bromodichloromethane	0	1.0									
Bromoform	0	1.0									
Bromomethane	0	2.0									
2-Butanone	0	2.0									
Carbon Disulfide	0	2.0									
Carbon tetrachloride	0	1.0									
Chlorobenzene	0	1.0									
Chloroethane	0	2.0									
Chloroform	0	1.0									
Chloromethane	0	2.0									
Dibromochloromethane	0	1.0									
1,1-Dichloroethane	0	1.0									
1,2-Dichloroethane	0	1.0									
1,1-Dichloroethene	0	1.0									
cis-1,2-Dichloroethene	0	1.0									
trans-1,2-Dichloroethene	0	1.0									
1,2-Dichloropropane	0	1.0									
cis-1,3-Dichloropropene	0	1.0									
trans-1,3-Dichloropropene	0	1.0									
Ethylbenzene	0	1.0									
2-Hexanone	0	2.0									
4-Methyl-2-Pentanone	0	1.0									
Methylene chloride	0	2.0									
Styrene	0	1.0									
1,1,2,2-Tetrachloroethane	0	1.0									
Tetrachloroethene	0	1.0									
Toluene	0	1.0									
1,1,1-Trichloroethane	0	1.0									
1,1,2-Trichloroethane	0	1.0									

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CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103430

Sample ID: **MBLK W-25 10/10/0** SampType: **MBLK** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ZZZZZ** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 6:31:00 AM** SeqNo: **1635319**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	0	1.0									
Vinyl chloride	0	2.0									
Total Xylenes	0	1.0									
Surr: 4-Bromofluorobenzene	8.94	0	10	0	89.4	74.3	123	0	0		
Surr: Dibromofluoromethane	10.52	0	10	0	105	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	10.65	0	10	0	106	77.9	126	0	0		
Surr: Toluene-d8	9.82	0	10	0	98.2	80.8	118	0	0		

Sample ID: **LCS W-10 PPB** SampType: **LCS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ZZZZZ** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 7:03:00 AM** SeqNo: **1635320**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	8.48	1.0	10	0	84.8	75.4	121	0	0		
Bromodichloromethane	8.54	1.0	10	0	85.4	69.4	121	0	0		
Bromoform	9.4	1.0	10	0	94	60	131	0	0		
Carbon tetrachloride	8.71	1.0	10	0	87.1	65.5	134	0	0		
Chlorobenzene	8.75	1.0	10	0	87.5	81.1	120	0	0		
Chloroform	9.08	1.0	10	0	90.8	74.1	123	0	0		
Chloromethane	9.46	2.0	10	0	94.6	22.5	147	0	0		
Dibromochloromethane	9.01	1.0	10	0	90.1	68.6	123	0	0		
1,1-Dichloroethane	8.49	1.0	10	0	84.9	77	132	0	0		
1,2-Dichloroethane	9.02	1.0	10	0	90.2	68	127	0	0		
1,1-Dichloroethene	7.04	1.0	10	0	70.4	47.5	153	0	0		
trans-1,2-Dichloroethene	8.12	1.0	10	0	81.2	64.5	143	0	0		
1,2-Dichloropropane	8.59	1.0	10	0	85.9	74.4	126	0	0		
cis-1,3-Dichloropropene	8.66	1.0	10	0	86.6	69.1	126	0	0		
trans-1,3-Dichloropropene	9.35	1.0	10	0	93.5	71.8	131	0	0		
Ethylbenzene	8.41	1.0	10	0	84.1	73.6	125	0	0		
Methylene chloride	8.21	2.0	10	0	82.1	37.6	135	0	0		
1,1,2,2-Tetrachloroethane	9.25	1.0	10	0	92.5	69.8	123	0	0		
Tetrachloroethene	8.69	1.0	10	0	86.9	70.1	134	0	0		

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R - RPD outside accepted recovery limits
B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103430

Sample ID: **LCS W-10 PPB** SampType: **LCS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ZZZZZ** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 7:03:00 AM** SeqNo: **1635320**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	8.39	1.0	10	0	83.9	76.4	123	0	0		
1,1,1-Trichloroethane	8.53	1.0	10	0	85.3	70.8	131	0	0		
1,1,2-Trichloroethane	9.08	1.0	10	0	90.8	67.6	127	0	0		
Trichloroethene	8.44	1.0	10	0	84.4	69.9	127	0	0		
Vinyl chloride	8.58	2.0	10	0	85.8	37.1	149	0	0		
Surr: 4-Bromofluorobenzene	9.86	0	10	0	98.6	74.3	123	0	0		
Surr: Dibromofluoromethane	10.63	0	10	0	106	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	10.37	0	10	0	104	77.9	126	0	0		
Surr: Toluene-d8	9.95	0	10	0	99.5	80.8	118	0	0		

Sample ID: **ME0710178-05AMS** SampType: **MS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ACS-GW-PWT-30** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 11:03:00 A** SeqNo: **1636318**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	8.9	1.0	10	0	89	60.6	130	0	0		
Bromodichloromethane	8.95	1.0	10	0	89.5	65.8	126	0	0		
Bromoform	9.78	1.0	10	0	97.8	40.5	146	0	0		
Bromomethane	5.41	2.0	10	0	54.1	0	243	0	0		
Carbon tetrachloride	9.16	1.0	10	0	91.6	47.2	149	0	0		
Chlorobenzene	9.28	1.0	10	0	92.8	75.6	127	0	0		
Chloroethane	8.14	2.0	10	0	81.4	0	357	0	0		
Chloroform	9.55	1.0	10	0	95.5	71.2	120	0	0		
Chloromethane	7.4	2.0	10	0	74	10.8	155	0	0		
Dibromochloromethane	9.57	1.0	10	0	95.7	60.1	136	0	0		
1,1-Dichloroethane	8.93	1.0	10	0	89.3	68	119	0	0		
1,2-Dichloroethane	9.53	1.0	10	0	95.3	67.7	133	0	0		
1,1-Dichloroethene	7.04	1.0	10	0	70.4	50.1	125	0	0		
trans-1,2-Dichloroethene	8.47	1.0	10	0	84.7	56.9	132	0	0		
1,2-Dichloropropane	9.07	1.0	10	0	90.7	71.4	125	0	0		
cis-1,3-Dichloropropene	8.58	1.0	10	0	85.8	66.9	134	0	0		
trans-1,3-Dichloropropene	9.55	1.0	10	0	95.5	69.9	130	0	0		

Qualifiers:
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B - Analyte detected above reporting limit in the Method Blank
b - Analyte detected below reporting limit in the Method Blank

CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103430

Sample ID: **ME0710178-05AMS** SampType: **MS** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ACS-GW-PWT-30** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 11:03:00 A** SeqNo: **1636318**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	8.86	1.0	10	0	88.6	60.6	144	0	0		
Methylene chloride	8.21	2.0	10	0	82.1	55.4	130	0	0		
1,1,2,2-Tetrachloroethane	9.24	1.0	10	0	92.4	46.8	168	0	0		
Tetrachloroethene	9.26	1.0	10	0	92.6	60.1	144	0	0		
Toluene	8.85	1.0	10	0	88.5	69.7	130	0	0		
1,1,1-Trichloroethane	9.06	1.0	10	0	90.6	63	136	0	0		
1,1,2-Trichloroethane	9.61	1.0	10	0	96.1	40.6	165	0	0		
Trichloroethene	8.7	1.0	10	0	87	48.6	139	0	0		
Vinyl chloride	7.1	2.0	10	0	71	33	151	0	0		
Surr: 4-Bromofluorobenzene	10.02	0	10	0	100	74.3	123	0	0		
Surr: Dibromofluoromethane	10.8	0	10	0	108	84.9	118	0	0		
Surr: 1,2-Dichloroethane-d4	10.57	0	10	0	106	77.9	126	0	0		
Surr: Toluene-d8	10	0	10	0	100	80.8	118	0	0		

Sample ID: **ME0710178-05AMS** SampType: **MSD** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ACS-GW-PWT-30** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 11:34:00 A** SeqNo: **1636319**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	9.48	1.0	10	0	94.8	60.6	130	8.9	6.31	23.7	
Bromodichloromethane	9.75	1.0	10	0	97.5	65.8	126	8.95	8.56	28.4	
Bromoform	10.73	1.0	10	0	107	40.5	146	9.78	9.26	28.8	
Bromomethane	6.48	2.0	10	0	64.8	0	243	5.41	18.0	52.8	
Carbon tetrachloride	9.79	1.0	10	0	97.9	47.2	149	9.16	6.65	31.1	
Chlorobenzene	9.9	1.0	10	0	99	75.6	127	9.28	6.47	23	
Chloroethane	8.33	2.0	10	0	83.3	0	357	8.14	2.31	29.3	
Chloroform	10.15	1.0	10	0	102	71.2	120	9.55	6.09	25	
Chloromethane	7.87	2.0	10	0	78.7	10.8	155	7.4	6.16	90.9	
Dibromochloromethane	10.41	1.0	10	0	104	60.1	136	9.57	8.41	27.1	
1,1-Dichloroethane	9.49	1.0	10	0	94.9	68	119	8.93	6.08	14.2	
1,2-Dichloroethane	10.1	1.0	10	0	101	67.7	133	9.53	5.81	23.3	
1,1-Dichloroethene	7.52	1.0	10	0	75.2	50.1	125	7.04	6.59	31	

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CLIENT: MWH, Inc.
Work Order: ME0710178
Project: GW - SemiAnnual / ACS

ANALYTICAL QC SUMMARY REPORT

BatchID: R103430

Sample ID: **ME0710178-05AMS** SampType: **MSD** TestCode: **8260_W25** Units: **µg/L** Prep Date: Run ID: **VOA-2_071010A**
Client ID: **ACS-GW-PWT-30** Batch ID: **R103430** TestNo: **SW8260B** Analysis Date: **10/10/2007 11:34:00 A** SeqNo: **1636319**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	9.03	1.0	10	0	90.3	56.9	132	8.47	6.40	66.1	
1,2-Dichloropropane	9.71	1.0	10	0	97.1	71.4	125	9.07	6.82	26	
cis-1,3-Dichloropropene	9.52	1.0	10	0	95.2	66.9	134	8.58	10.4	28.7	
trans-1,3-Dichloropropene	10.59	1.0	10	0	106	69.9	130	9.55	10.3	27.9	
Ethylbenzene	9.55	1.0	10	0	95.5	60.6	144	8.86	7.50	25.2	
Methylene chloride	8.93	2.0	10	0	89.3	55.4	130	8.21	8.40	28.7	
1,1,2,2-Tetrachloroethane	10.36	1.0	10	0	104	46.8	168	9.24	11.4	22.3	
Tetrachloroethene	9.87	1.0	10	0	98.7	60.1	144	9.26	6.38	29.7	
Toluene	9.47	1.0	10	0	94.7	69.7	130	8.85	6.77	25.4	
1,1,1-Trichloroethane	9.67	1.0	10	0	96.7	63	136	9.06	6.51	29	
1,1,2-Trichloroethane	10.39	1.0	10	0	104	40.6	165	9.61	7.80	25.9	
Trichloroethene	9.38	1.0	10	0	93.8	48.6	139	8.7	7.52	26.9	
Vinyl chloride	7.62	2.0	10	0	76.2	33	151	7.1	7.07	31.2	
Surr: 4-Bromofluorobenzene	9.93	0	10	0	99.3	74.3	123	0	0	0	
Surr: Dibromofluoromethane	10.75	0	10	0	108	84.9	118	0	0	0	
Surr: 1,2-Dichloroethane-d4	10.46	0	10	0	105	77.9	126	0	0	0	
Surr: Toluene-d8	9.95	0	10	0	99.5	80.8	118	0	0	0	

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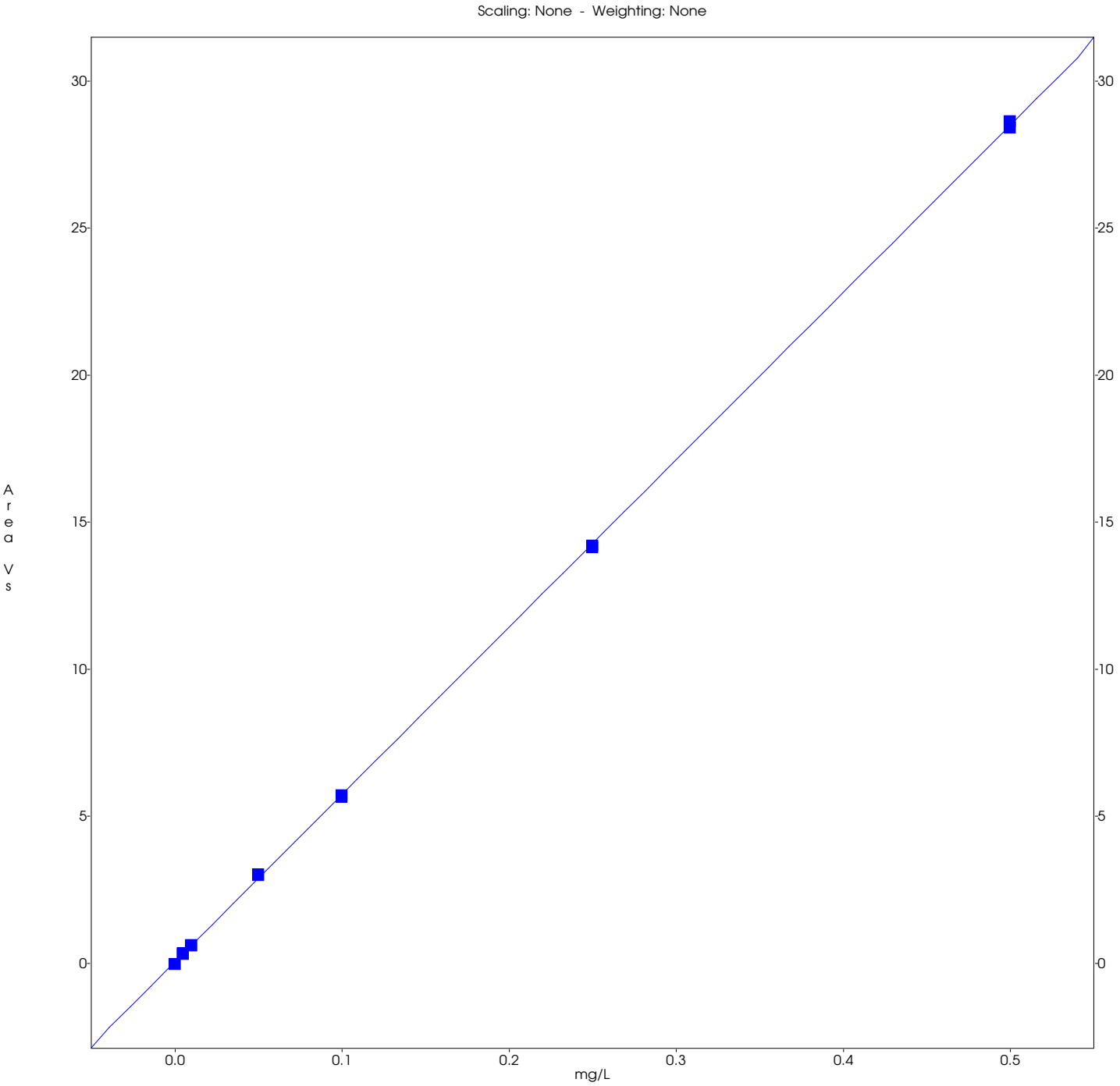
INORGANIC DATA

CYANIDE
RAW DATA

cyanide

Lvl	Area	mg/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	28544414	0.500	28648710	28440118				147496.8	0.5	-0.1
2	14192278	0.250	14163842	14220715				40215.3	0.3	0.6
3	5706932	0.100	5737300	5676564				42946.8	0.8	0.7
4	3023804	0.050	3029194	3018413				7623.3	0.3	-4.3
5	634214	0.010	628262	640166				8417.4	1.3	-1.7
6	351933	0.005	341965	361901				14096.9	4.0	-4.2
7	0	0.000	0	0				0.0	0.0	

1st Order Poly
Conc = 1.757e-008 Area - 9.774e-004
r = 1.0000



Printed: Monday, October 08, 2007 - 03:06 PM

OPERATOR: LINGENFELTER
ACQ. TIME: Oct 8, 2007 13:53:44
DATA FILENAME: C:\OMNION\DATA\10087CN.FDT
METHOD FILENAME:
TRAY FILENAME:

TRAY DESCRIPTION:
Created: Oct 3, 2007 14:22:53
Modified: Oct 8, 2007 14:49:38
cyanide
DATA DESCRIPTION:
Created: Oct 8, 2007 13:53:44
Modified: Oct 8, 2007 13:53:44 Method - Ch. 2 (cyanide)

METHOD DESCRIPTION:
Created: Jun 29, 2000 11:13:39
Modified: Oct 5, 2007 16:35:57
Cyanide

ANALYTE DATA:
Analyte Name: cyanide
Concentration Units: mg/L
Chemistry: Direct
Inject to Peak Start (s): 25.0
Peak Base Width (s): 26.550
% Width Tolerance: 100.000
Threshold: 5970.000
Autodilution Trigger: On
QuikChem Method: 10-204-00-1-A

CALIBRATION DATA:
Levels:
1 : 0.500 2 : 0.250 3 : 0.100 4 : 0.050
5 : 0.010 6 : 0.005 7 : 0.000
Calibration Rep Handling: Average
Calibration Fit Type: 1st Order Poly
Force Though Zero: No
Weighting Method: None
Concentration Scaling: None

SAMPLER TIMING:
Method Cycle Period: 45.0
Min. Probe in Wash Period: 5.0
Probe in Sample Period: 25.0

*** Prep Sequence Not Enabled ***

VALVE TIMING:
Method Cycle Period: 45.0
Sample Reaches 1st Valve: 25.0
Valve: On
Load Time: 0.0
Load Period: 22.0
Inject Period: 23.0

OPERATOR: LINGENFELTER
ACQ. TIME: Oct 8, 2007 13:53:44
DATA FILENAME: C:\OMNION\DATA\10087CN.FDT
METHOD FILENAME:
TRAY FILENAME:

TRAY DESCRIPTION:
Created: Oct 3, 2007 14:22:53
Modified: Oct 8, 2007 14:49:38
cyanide
DATA DESCRIPTION:
Created: Oct 8, 2007 13:53:44
Modified: Oct 8, 2007 13:53:44

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	# of Reps	cyanide (mg/L)	Man Dil Factor
1	ICV	2	0.1097	1.0
2	ICB	2	-0.0001	1.0
3	PB1008	2	-0.0010	1.0
4	LCS1008	2	0.2172	1.0
5	0710300-02A	2	0.8183	10.0
6	0710300-07A	2	0.0014	1.0
7	0710300-08A	2	0.0010	1.0
8	0710300-09A	2	0.0024	1.0
9	0710086-02B	2	0.0010	1.0
10	0710178-02D	2	0.0029	1.0
11	0710178-03D	2	-0.0002	1.0
12	0710178-04D	2	-0.0002	1.0
13	CCV	2	0.2168	1.0
13	CCV	2	0.2180	1.0
14	CCB	2	-0.0001	1.0
14	CCB	2	-0.0002	1.0
15	0710178-05D	2	-0.0010	1.0
16	0710178-05DMS	2	0.2102	1.0
17	0710178-05DMSD	2	0.2148	1.0
18	0710178-06D	2	0.0007	1.0
19	0710133-02B	2	0.0015	1.0
20	0710133-02BMS	2	0.2218	1.0
21	0710133-02BMSD	2	0.2354	1.0
22	0710173-01A	2	0.0144	1.0
23	0710173-02A	2	0.0116	1.0
24	0710173-03A	2	0.0115	1.0
25	PB1004	2	0.5827	1.0
26	LCS1004	2	5.9227	100.0
27	0710165-01A	2	0.0127	1.0
28	0710165-01AMS	2	1.0173	100.0
29	0710165-01AMSD	2	0.5126	100.0
30	0710030-01A	2	0.0166	1.0

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 31 to 60

Cup	Sample ID	# of Reps	cyanide (mg/L)	Man Dil Factor
31	0710042-01A	2	0.44	1.0
32	PB1004	2	0.58	2.0
33	0710165-01A	2	0.24	1.0
35	CCV	2	0.22	1.0
36	CCB	2	-0.00	1.0

INSTRUMENT: Flow Injection Analysis (Lachat 2)
TRAY: CN.TRA METHOD: CYANIDE.MET DATAFILE: 10087CN.FDT
DATE/TIME: Mon Oct 08 13:53:44 2007 OPERATOR: LINGENFELTER

*** Begin Calibration ***
Cup# 1 Sample: CAL STD 0.500 Type: CalStd Level: 1 Rep# 1/2
Ch 2: cyanide Peak Area = 28440118.0 µv-s
Cup# 1 Sample: CAL STD 0.500 Type: CalStd Level: 1 Rep# 2/2
Ch 2: cyanide Peak Area = 28648710.0 µv-s
Cup# 1 Sample: CAL STD 0.500 Type: CalStd Avg 2 Reps
Ch 2: cyanide Peak Area = 28544414.0 µv-s
Cup# 2 Sample: CAL STD 0.250 Type: CalStd Level: 2 Rep# 1/2
Ch 2: cyanide Peak Area = 14220715.0 µv-s
Cup# 2 Sample: CAL STD 0.250 Type: CalStd Level: 2 Rep# 2/2
Ch 2: cyanide Peak Area = 14163842.0 µv-s
Cup# 2 Sample: CAL STD 0.250 Type: CalStd Avg 2 Reps
Ch 2: cyanide Peak Area = 14192278.0 µv-s
Cup# 3 Sample: CAL STD 0.100 Type: CalStd Level: 3 Rep# 1/2
Ch 2: cyanide Peak Area = 5676564.0 µv-s
Cup# 3 Sample: CAL STD 0.100 Type: CalStd Level: 3 Rep# 2/2
Ch 2: cyanide Peak Area = 5737300.0 µv-s
Cup# 3 Sample: CAL STD 0.100 Type: CalStd Avg 2 Reps
Ch 2: cyanide Peak Area = 5706932.0 µv-s
Cup# 4 Sample: CAL STD 0.050 Type: CalStd Level: 4 Rep# 1/2
Ch 2: cyanide Peak Area = 3018413.0 µv-s
Cup# 4 Sample: CAL STD 0.050 Type: CalStd Level: 4 Rep# 2/2
Ch 2: cyanide Peak Area = 3029194.0 µv-s
Cup# 4 Sample: CAL STD 0.050 Type: CalStd Avg 2 Reps
Ch 2: cyanide Peak Area = 3023803.5 µv-s
Cup# 5 Sample: CAL STD 0.010 Type: CalStd Level: 5 Rep# 1/2
Ch 2: cyanide Peak Area = 640166.0 µv-s
Cup# 5 Sample: CAL STD 0.010 Type: CalStd Level: 5 Rep# 2/2
Ch 2: cyanide Peak Area = 628262.0 µv-s
Cup# 5 Sample: CAL STD 0.010 Type: CalStd Avg 2 Reps
Ch 2: cyanide Peak Area = 634214.0 µv-s
Cup# 6 Sample: CAL STD 0.005 Type: CalStd Level: 6 Rep# 1/2
Ch 2: cyanide Peak Area = 361901.0 µv-s
Cup# 6 Sample: CAL STD 0.005 Type: CalStd Level: 6 Rep# 2/2
Ch 2: cyanide Peak Area = 341965.0 µv-s
Cup# 6 Sample: CAL STD 0.005 Type: CalStd Avg 2 Reps
Ch 2: cyanide Peak Area = 351933.0 µv-s
Cup# 7 Sample: CAL STD 0.000 Type: CalStd Level: 7 Rep# 1/2
Ch 2: cyanide Peak Area = 0.0 µv-s
Cup# 7 Sample: CAL STD 0.000 Type: CalStd Level: 7 Rep# 2/2
Ch 2: cyanide Peak Area = 0.0 µv-s
Cup# 7 Sample: CAL STD 0.000 Type: CalStd Avg 2 Reps
Ch 2: cyanide Peak Area = 0.0 µv-s
*** Updated Calibration ***
Ch 2: cyanide
** 1st Order Poly Calibration **
C(0) = 1.75744e-008
C(1) = -0.000977367
r = 1.0000
*** End Calibration Block ***
*** Calibration Passed ***
Cup# 1 Sample: ICV Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.1098 mg/L
Cup# 1 Sample: ICV Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.1096 mg/L
Cup# 1 Sample: ICV Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.1097 mg/L
Cup# 2 Sample: ICB Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.0008 mg/L
Cup# 2 Sample: ICB Type: Unknown Rep# 2/2
Ch 2: cyanide = -0.0010 mg/L
Cup# 2 Sample: ICB Type: Unknown Avg 2 Reps
Ch 2: cyanide = -0.0001 mg/L

Cup# 3 Sample: PB1008 Type: Unknown Rep# 1/2
Ch 2: cyanide = -0.0010 mg/L
Cup# 3 Sample: PB1008 Type: Unknown Rep# 2/2
Ch 2: cyanide = -0.0010 mg/L
Cup# 3 Sample: PB1008 Type: Unknown Avg 2 Reps
Ch 2: cyanide = -0.0010 mg/L
Cup# 4 Sample: LCS1008 Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.2170 mg/L
Cup# 4 Sample: LCS1008 Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.2174 mg/L
Cup# 4 Sample: LCS1008 Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.2172 mg/L
Cup# 5 Sample: 0710300-02A Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.0818 mg/L
Cup# 5 Sample: 0710300-02A Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.0818 mg/L
Cup# 5 Sample: 0710300-02A Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.0818 mg/L
Cup# 6 Sample: 0710300-07A Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.0015 mg/L
Cup# 6 Sample: 0710300-07A Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.0013 mg/L
Cup# 6 Sample: 0710300-07A Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.0014 mg/L
Cup# 7 Sample: 0710300-08A Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.0008 mg/L
Cup# 7 Sample: 0710300-08A Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.0012 mg/L
Cup# 7 Sample: 0710300-08A Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.0010 mg/L
Cup# 8 Sample: 0710300-09A Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.0024 mg/L
Cup# 8 Sample: 0710300-09A Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.0024 mg/L
Cup# 8 Sample: 0710300-09A Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.0024 mg/L
Cup# 9 Sample: 0710086-02B Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.0010 mg/L
Cup# 9 Sample: 0710086-02B Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.0010 mg/L
Cup# 9 Sample: 0710086-02B Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.0010 mg/L
Cup# 10 Sample: 0710178-02D Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.0067 mg/L
Cup# 10 Sample: 0710178-02D Type: Unknown Rep# 2/2
Ch 2: cyanide = -0.0010 mg/L
Cup# 10 Sample: 0710178-02D Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.0029 mg/L
Cup# 11 Sample: 0710178-03D Type: Unknown Rep# 1/2
Ch 2: cyanide = -0.0010 mg/L
Cup# 11 Sample: 0710178-03D Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.0007 mg/L
Cup# 11 Sample: 0710178-03D Type: Unknown Avg 2 Reps
Ch 2: cyanide = -0.0002 mg/L
Cup# 12 Sample: 0710178-04D Type: Unknown Rep# 1/2
Ch 2: cyanide = -0.0002 mg/L
Cup# 12 Sample: 0710178-04D Type: Unknown Rep# 2/2
Ch 2: cyanide = -0.0003 mg/L
Cup# 12 Sample: 0710178-04D Type: Unknown Avg 2 Reps
Ch 2: cyanide = -0.0002 mg/L
Cup# 13 Sample: CCV Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.2167 mg/L
Cup# 13 Sample: CCV Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.2169 mg/L
Cup# 13 Sample: CCV Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.2168 mg/L
Cup# 14 Sample: CCB Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.0007 mg/L

Cup# 14 Sample: CCB Type: Unknown Rep# 2/2
Ch 2: cyanide = -0.0010 mg/L
Cup# 14 Sample: CCB Type: Unknown Avg 2 Reps
Ch 2: cyanide = -0.0001 mg/L
Cup# 15 Sample: 0710178-05D Type: Unknown Rep# 1/2
Ch 2: cyanide = -0.0010 mg/L
Cup# 15 Sample: 0710178-05D Type: Unknown Rep# 2/2
Ch 2: cyanide = -0.0010 mg/L
Cup# 15 Sample: 0710178-05D Type: Unknown Avg 2 Reps
Ch 2: cyanide = -0.0010 mg/L
Cup# 16 Sample: 0710178-05DMS Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.2106 mg/L
Cup# 16 Sample: 0710178-05DMS Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.2098 mg/L
Cup# 16 Sample: 0710178-05DMS Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.2102 mg/L
Cup# 17 Sample: 0710178-05DMSD Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.2152 mg/L
Cup# 17 Sample: 0710178-05DMSD Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.2144 mg/L
Cup# 17 Sample: 0710178-05DMSD Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.2148 mg/L
Cup# 18 Sample: 0710178-06D Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.0012 mg/L
Cup# 18 Sample: 0710178-06D Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.0002 mg/L
Cup# 18 Sample: 0710178-06D Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.0007 mg/L
Cup# 19 Sample: 0710133-02B Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.0017 mg/L
Cup# 19 Sample: 0710133-02B Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.0013 mg/L
Cup# 19 Sample: 0710133-02B Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.0015 mg/L
Cup# 20 Sample: 0710133-02BMS Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.2219 mg/L
Cup# 20 Sample: 0710133-02BMS Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.2218 mg/L
Cup# 20 Sample: 0710133-02BMS Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.2218 mg/L
Cup# 21 Sample: 0710133-02BMSD Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.2357 mg/L
Cup# 21 Sample: 0710133-02BMSD Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.2351 mg/L
Cup# 21 Sample: 0710133-02BMSD Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.2354 mg/L
Cup# 22 Sample: 0710173-01A Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.0148 mg/L
Cup# 22 Sample: 0710173-01A Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.0139 mg/L
Cup# 22 Sample: 0710173-01A Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.0144 mg/L
Cup# 23 Sample: 0710173-02A Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.0117 mg/L
Cup# 23 Sample: 0710173-02A Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.0115 mg/L
Cup# 23 Sample: 0710173-02A Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.0116 mg/L
Cup# 24 Sample: 0710173-03A Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.0116 mg/L
Cup# 24 Sample: 0710173-03A Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.0113 mg/L
Cup# 24 Sample: 0710173-03A Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.0115 mg/L
Cup# 13 Sample: CCV Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.2180 mg/L
Cup# 13 Sample: CCV Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.2180 mg/L

Cup# 13 Sample: CCV Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.2180 mg/L
Cup# 14 Sample: CCB Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.0001 mg/L
Cup# 14 Sample: CCB Type: Unknown Rep# 2/2
Ch 2: cyanide = -0.0005 mg/L
Cup# 14 Sample: CCB Type: Unknown Avg 2 Reps
Ch 2: cyanide = -0.0002 mg/L
Cup# 25 Sample: PB1004 Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.5795 mg/L
Cup# 25 Sample: PB1004 Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.5859 mg/L
Cup# 25 Sample: PB1004 Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.5827 mg/L
>>> Autodilution Triggered <<<
Cup# 26 Sample: LCS1004 Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.0597 mg/L
Cup# 26 Sample: LCS1004 Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.0588 mg/L
Cup# 26 Sample: LCS1004 Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.0592 mg/L
Cup# 27 Sample: 0710165-01A Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.0127 mg/L
Cup# 27 Sample: 0710165-01A Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.0126 mg/L
Cup# 27 Sample: 0710165-01A Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.0127 mg/L
Cup# 28 Sample: 0710165-01AMS Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.0085 mg/L
Cup# 28 Sample: 0710165-01AMS Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.0118 mg/L
Cup# 28 Sample: 0710165-01AMS Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.0102 mg/L
Cup# 29 Sample: 0710165-01AMSD Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.0050 mg/L
Cup# 29 Sample: 0710165-01AMSD Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.0052 mg/L
Cup# 29 Sample: 0710165-01AMSD Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.0051 mg/L
Cup# 30 Sample: 0710030-01A Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.0186 mg/L
Cup# 30 Sample: 0710030-01A Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.0146 mg/L
Cup# 30 Sample: 0710030-01A Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.0166 mg/L
Cup# 31 Sample: 0710042-01A Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.4407 mg/L
Cup# 31 Sample: 0710042-01A Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.4411 mg/L
Cup# 31 Sample: 0710042-01A Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.4409 mg/L
Cup# 32 Sample: PB1004 Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.2910 mg/L
Cup# 32 Sample: PB1004 Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.2903 mg/L
Cup# 32 Sample: PB1004 Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.2907 mg/L
Cup# 33 Sample: 0710165-01A Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.2388 mg/L
Cup# 33 Sample: 0710165-01A Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.2346 mg/L
Cup# 33 Sample: 0710165-01A Type: Unknown Avg 2 Reps
Ch 2: cyanide = 0.2367 mg/L
Cup# 35 Sample: CCV Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.2209 mg/L
Cup# 35 Sample: CCV Type: Unknown Rep# 2/2
Ch 2: cyanide = 0.2194 mg/L
Cup# 35 Sample: CCV Type: Unknown Avg 2 Reps

Ch 2: cyanide = 0.2202 mg/L
Cup# 36 Sample: CCB Type: Unknown Rep# 1/2
Ch 2: cyanide = 0.0009 mg/L
Cup# 36 Sample: CCB Type: Unknown Rep# 2/2
Ch 2: cyanide = -0.0010 mg/L
Cup# 36 Sample: CCB Type: Unknown Avg 2 Reps
Ch 2: cyanide = -0.0001 mg/L
******* Tray Run Complete *******

CYANIDE DISTILLATION LOG(S)

Microbac Laboratories, Inc.

PREP BATCH REPORT

Prep Batch **56300** Prep Code: **CNPR_W** Technician: **Sarah Arcella**

Prep Start Date: **10/8/2007 7:45:00 AM**
Prep End Date: **10/8/2007 7:45:00 AM**

Sample ID	Matrix	pH	wt (g)	Ini vol (mL)	Sol Added	Sol Recov	Fin Vol (mL)	factor	PrepStart	PrepEnd
LCS1008				50	0	0	50	1	10/8/2007	10/8/2007
ME0710086-02B	Aqueous			50	0	0	50	1	10/8/2007	10/8/2007
ME0710133-02B	Aqueous			50	0	0	50	1	10/8/2007	10/8/2007
ME0710133-02BM	Aqueous			50	0	0	50	1	10/8/2007	10/8/2007
ME0710133-02BM	Aqueous			50	0	0	50	1	10/8/2007	10/8/2007
ME0710173-01A	Aqueous			50	0	0	50	1	10/8/2007	10/8/2007
ME0710173-02A	Aqueous			50	0	0	50	1	10/8/2007	10/8/2007
ME0710173-03A	Aqueous			50	0	0	50	1	10/8/2007	10/8/2007
ME0710178-02D	Aqueous			50	0	0	50	1	10/8/2007	10/8/2007
ME0710178-03D	Aqueous			50	0	0	50	1	10/8/2007	10/8/2007
ME0710178-04D	Aqueous			50	0	0	50	1	10/8/2007	10/8/2007
ME0710178-05D	Aqueous			50	0	0	50	1	10/8/2007	10/8/2007
ME0710178-05DM	Aqueous			50	0	0	50	1	10/8/2007	10/8/2007
ME0710178-05DM	Aqueous			50	0	0	50	1	10/8/2007	10/8/2007
ME0710178-06D	Aqueous			50	0	0	50	1	10/8/2007	10/8/2007
ME0710300-02A	Aqueous			0.5	0	0	50	100	10/8/2007	10/8/2007
ME0710300-07A	Aqueous			50	0	0	50	1	10/8/2007	10/8/2007
ME0710300-08A	Aqueous			50	0	0	50	1	10/8/2007	10/8/2007
ME0710300-09A	Aqueous			50	0	0	50	1	10/8/2007	10/8/2007
PB1008				50	0	0	50	1	10/8/2007	10/8/2007

ICP
DATA

RAW DATA

Instrument Tuning Report

File Name:
File Path: C:\elandata\Tuning\

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
He	3.016	3.027	604	2076	0.648	
Be	9.012	8.978	2043	2077	0.627	
Mg	23.985	23.979	5671	2081	0.644	
Co	58.933	58.979	14168	2126	0.639	
Rh	102.905	102.929	24852	2190	0.636	
In	114.904	114.879	27759	2208	0.638	
Pb	207.977	207.977	50391	2336	0.638	

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Thursday, October 04, 2007 09:32:48
Sample Description:
Method File: C:\elandata\Method\EPA200 DAILY SA.mth
Dataset File: C:\Elandata\DataSet\Daily Performance\Sample.607
Tuning File: C:\elandata\Tuning\200.8 Tuning.tun
Optimization File: C:\elandata\Optimize\EPA6020.dac
Dual Detector Mode: Dual
Acq. Dead Time(ns): 60
Current Dead Time (ns): 60

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Be	9.0	11683.4	11683.353	175.503	1.5
	Mg	24.0	106841.4	106841.375	593.406	0.6
	Rh	102.9	367346.2	367346.162	3106.716	0.8
	In	114.9	466229.9	466229.871	2187.432	0.5
	Pb	208.0	259595.0	259595.021	1461.363	0.6
⌈>	Ba	137.9	381174.1	381174.082	3989.717	1.0
⌊	Ba++	69.0	5766.2	0.015	0.000	1.9
⌈>	Ce	139.9	479196.9	479196.922	2261.228	0.5
⌊	CeO	155.9	14473.8	0.030	0.001	3.1
	Bkgd	220.0	12.2	12.201	6.100	50.0

Current Optimization File Data

Current Value	Description
0.92	Nebulizer Gas Flow
7.50	Lens Voltage
1000.00	ICP RF Power
-1895.00	Analog Stage Voltage
895.00	Pulse Stage Voltage
17.00	Discriminator Threshold
-1.00	AC Rod Offset

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	21	5.0	15193.3
Co	59	21	5.8	252310.7
In	115	21	6.5	497328.7
Pb	208	21	8.0	302962.9

Internal Standard Test Report

Sample ID: Sample

Sample Date/Time: Thursday, October 04, 2007 09:39:33
Sample Description:
Number of Replicates: 10
Dual Detector Mode: Dual
Sample File: C:\elandata\Sample\Stability.sam
Method File: C:\elandata\Method\epa 6020 INT STD test.mth
Dataset File: C:\Elandata\DataSet\Stability\Sample.585
Tuning File: c:\elandata\tuning\200.8 tuning.tun
Optimization File: C:\elandata\Optimize\EPA6020.dac
Autosampler Position:

Intensity Results

Analyte	Mass	Int. Mean	Meas. Intens. SD	Int. RSD
Sc	45	1066366	10935.520	1.0
Ge	72	321101	1941.894	0.6
In	115	311327	3355.558	1.1
Tb	159	387525	5288.382	1.4

Method 6020 - Summary Report

Sample ID: 0

Sample Date/Time: Thursday, October 04, 2007 09:58:49
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\0.001
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	15.333	19.656				ug/L
	B	11	3142.426	4.143				ug/L
	Al	27	33010.857	0.405				ug/L
>	Sc	45	1075089.702	1.928				ug/L
	Ti	47	521.688	3.350				ug/L
	V	51	8799.897	116.272				ug/L
	Cr	52	28297.173	0.473				ug/L
	Mn	55	1839.243	2.223				ug/L
	Co	59	59.667	21.809				ug/L
	Ni	60	136.702	4.843				ug/L
	Cu	63	296.008	5.310				ug/L
	Cu	65	258.004	3.589				ug/L
	Zn	66	1367.446	0.507				ug/L
	Zn	67	7469.680	0.620				ug/L
	Zn	68	1500.302	1.836				ug/L
>	Ge	72	291593.217	1.345				ug/L
	As	75	-610.233	17.276				ug/L
	Se	82	92.228	2.924				ug/L
	Sr	88	557.358	4.337				ug/L
	Mo	95	239.432	2.908				ug/L
	Mo	98	359.674	6.221				ug/L
	Ag	107	48.667	6.278				ug/L
	Cd	111	76.235	1.992				ug/L
	Cd	114	79.264	20.646				ug/L
>	In	115	286451.202	1.490				ug/L
	Sn	118	1183.096	1.716				ug/L
	Sb	121	147.669	18.600				ug/L
	Sb	123	125.010	10.094				ug/L
	Ba	135	61.500	3.726				ug/L
	Ba	137	89.335	6.165				ug/L
>	Tb	159	383072.371	0.459				ug/L
	Hg	202	35.867	16.732				ug/L
	Tl	205	663.033	3.557				ug/L
	Pb	208	783.022	1.670				ug/L

⎡	Na	23	43799.274	2.179	ug/L
⎢	Mg	24	5834.768	2.205	ug/L
⎢	K	39	989280.629	0.521	ug/L
⎢	Ca	43	1119.575	3.873	ug/L
⎢	Fe	54	58772.203	0.775	ug/L
⎢	Fe	57	12720.869	0.406	ug/L
⎣>	Sc-1	45	1075089.702	1.928	ug/L
	Kr	83	172.670	6.787	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45					
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159					
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: .2

Sample Date/Time: Thursday, October 04, 2007 10:04:57
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\.2.002
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	229.170	3.396	0.000	0.20000	4.79	ug/L
	B	11	3365.346	2.387	0.000			ug/L
	Al	27	35126.985	1.447	0.001			ug/L
>	Sc	45	1103094.349	2.174	1103094.349			ug/L
	Ti	47	785.378	2.768	0.000	0.20000	15.11	ug/L
	V	51	9467.605	96.715	0.000	0.20000	1879.89	ug/L
	Cr	52	32096.137	1.245	0.003	0.20000	22.31	ug/L
	Mn	55	6486.227	1.301	0.004	0.20000	2.40	ug/L
	Co	59	3637.830	1.481	0.003	0.20000	2.62	ug/L
	Ni	60	811.134	0.374	0.001	0.20000	2.68	ug/L
	Cu	63	2058.942	1.207	0.006	0.20000	3.43	ug/L
	Cu	65	1075.903	0.677	0.003	0.20000	1.99	ug/L
	Zn	66	2076.259	1.393	0.002	0.20000	3.84	ug/L
	Zn	67	8157.157	0.963	0.002	0.20000	39.47	ug/L
	Zn	68	2071.424	1.634	0.002	0.20000	2.84	ug/L
>	Ge	72	294304.022	2.159	294304.022			ug/L
	As	75	-169.420	91.962	0.002	0.20000	34.70	ug/L
	Se	82	139.744	4.602	0.000	0.20000	17.45	ug/L
	Sr	88	6430.879	1.687	0.020	0.20000	4.26	ug/L
	Mo	95	1043.677	1.826	0.003	0.20000	3.82	ug/L
	Mo	98	1690.505	2.597	0.005	0.20000	4.41	ug/L
	Ag	107	2669.121	3.972	0.009	0.20000	3.83	ug/L
	Cd	111	704.238	5.507	0.002	0.20000	6.00	ug/L
	Cd	114	1529.763	0.972	0.005	0.20000	1.18	ug/L
>	In	115	285576.851	0.269	285576.851			ug/L
	Sn	118	2835.845	3.852	0.006	0.20000	6.40	ug/L
	Sb	121	1934.577	3.509	0.006	0.20000	4.05	ug/L
	Sb	123	1435.691	4.901	0.005	0.20000	5.56	ug/L
	Ba	135	609.522	2.417	0.001	0.20000	3.47	ug/L
	Ba	137	1050.410	4.131	0.003	0.20000	3.72	ug/L
>	Tb	159	377014.968	1.492	377014.968			ug/L
	Hg	202	112.601	2.757	0.000	0.04000	5.68	ug/L
	Tl	205	6669.401	1.358	0.016	0.20000	3.03	ug/L
	Pb	208	9482.843	0.972	0.023	0.20000	2.53	ug/L

⌈	Na	23	43026.890	0.454	-0.002	ug/L
|	Mg	24	4578.971	2.678	-0.001	ug/L
|	K	39	985841.588	0.517	-0.026	ug/L
|	Ca	43	1229.091	0.776	0.000	ug/L
|	Fe	54	59701.196	0.310	-0.001	ug/L
|	Fe	57	12545.441	2.639	-0.000	ug/L
⌊>	Sc-1	45	1103094.349	2.174	1103094.349	ug/L
	Kr	83	168.670	3.474	-4.000	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45					
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159					
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: 1

Sample Date/Time: Thursday, October 04, 2007 10:11:20
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\1.003
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌈	Be	9	1098.906	1.635	0.001	1.00230	3.52	ug/L
|	B	11	4099.175	2.597	0.001	1.00000	11.52	ug/L
|	Al	27	43475.023	1.657	0.011	1.00000	5.28	ug/L
| >	Sc	45	1053606.210	1.869	1053606.210			ug/L
|	Ti	47	1748.868	1.470	0.001	1.00127	1.62	ug/L
|	V	51	17106.307	26.022	0.008	1.02875	51.94	ug/L
|	Cr	52	44515.464	0.753	0.016	1.00491	6.87	ug/L
|	Mn	55	32469.049	0.748	0.029	1.01104	2.67	ug/L
|	Co	59	17934.792	0.701	0.017	1.00171	2.56	ug/L
⌊	Ni	60	3877.984	1.858	0.004	1.00558	3.80	ug/L
⌈	Cu	63	8742.337	0.414	0.029	0.99924	1.23	ug/L
|	Cu	65	4273.596	1.322	0.014	1.00026	2.48	ug/L
|	Zn	66	6216.985	1.394	0.017	1.01167	3.10	ug/L
|	Zn	67	9082.947	0.082	0.006	0.97074	5.46	ug/L
|	Zn	68	5005.670	0.542	0.012	1.00877	1.85	ug/L
| >	Ge	72	288034.990	1.039	288034.990			ug/L
|	As	75	1698.455	18.335	0.008	1.00200	13.82	ug/L
|	Se	82	329.878	1.887	0.001	1.00162	1.22	ug/L
|	Sr	88	29942.665	0.756	0.102	1.00086	1.19	ug/L
|	Mo	95	4437.984	1.976	0.015	1.00253	2.73	ug/L
⌊	Mo	98	7169.416	1.225	0.024	1.00178	0.80	ug/L
⌈	Ag	107	13038.324	1.622	0.046	0.99968	1.32	ug/L
|	Cd	111	3094.588	1.426	0.011	0.99846	1.10	ug/L
|	Cd	114	7371.217	1.581	0.026	1.00022	1.89	ug/L
| >	In	115	285451.505	0.357	285451.505			ug/L
|	Sn	118	9730.109	1.602	0.030	1.00123	1.74	ug/L
|	Sb	121	9867.270	0.557	0.034	1.00312	0.91	ug/L
⌊	Sb	123	7479.360	1.093	0.026	1.00421	0.82	ug/L
⌈	Ba	135	2684.599	0.347	0.007	0.99849	1.74	ug/L
|	Ba	137	4587.308	0.699	0.012	0.99761	1.59	ug/L
| >	Tb	159	374611.921	1.361	374611.921			ug/L
|	Hg	202	799.305	1.618	0.002	0.20390	0.61	ug/L
|	Tl	205	30173.497	0.636	0.079	0.99951	1.36	ug/L
⌊	Pb	208	41621.087	0.472	0.109	0.99772	1.60	ug/L

⌈	Na	23	60561.200	0.213	0.017	ug/L
|	Mg	24	12810.301	1.292	0.007	ug/L
|	K	39	999973.060	0.379	0.029	ug/L
|	Ca	43	1368.112	0.360	0.000	ug/L
|	Fe	54	60483.062	0.124	0.003	ug/L
|	Fe	57	13351.357	2.156	0.001	ug/L
⌊>	Sc-1	45	1053606.210	1.869	1053606.210	ug/L
	Kr	83	167.003	9.803	-5.667	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45					
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159					
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: 20

Sample Date/Time: Thursday, October 04, 2007 10:17:41
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\20.004
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	21090.154	0.034	0.020	19.99805	2.09	ug/L
	B	11	27798.306	2.418	0.023	20.00822	4.10	ug/L
	Al	27	280683.281	1.516	0.233	20.00463	0.64	ug/L
>	Sc	45	1065188.897	2.034	1065188.897			ug/L
	Ti	47	25805.156	1.443	0.024	20.00062	2.88	ug/L
	V	51	342560.736	1.847	0.314	20.02606	3.39	ug/L
	Cr	52	330837.164	0.550	0.284	19.99399	1.79	ug/L
	Mn	55	467460.232	0.142	0.437	19.98356	2.06	ug/L
	Co	59	355748.706	1.315	0.334	19.99924	1.44	ug/L
	Ni	60	74704.023	0.166	0.070	19.99949	2.21	ug/L
	Cu	63	168391.800	1.111	0.581	19.99945	1.07	ug/L
	Cu	65	78988.769	0.771	0.272	19.99869	0.59	ug/L
	Zn	66	48997.458	0.470	0.165	19.94680	1.45	ug/L
	Zn	67	16757.333	0.927	0.032	19.85714	2.79	ug/L
	Zn	68	35258.602	0.696	0.117	19.94425	0.80	ug/L
>	Ge	72	289293.757	1.056	289293.757			ug/L
	As	75	46599.141	1.111	0.163	20.00115	0.16	ug/L
	Se	82	5085.158	0.176	0.017	20.00214	1.15	ug/L
	Sr	88	585655.657	1.733	2.023	19.99957	1.40	ug/L
	Mo	95	84606.162	0.872	0.292	20.00011	1.13	ug/L
	Mo	98	136544.314	1.023	0.471	19.99983	1.31	ug/L
	Ag	107	256907.865	0.270	0.901	19.99944	0.36	ug/L
	Cd	111	60541.630	0.315	0.212	20.00005	0.31	ug/L
	Cd	114	144023.957	1.307	0.505	19.99937	1.16	ug/L
>	In	115	285196.593	0.146	285196.593			ug/L
	Sn	118	175445.217	1.266	0.611	20.00107	1.29	ug/L
	Sb	121	180048.027	1.618	0.631	19.99604	1.75	ug/L
	Sb	123	139019.800	1.994	0.487	19.99722	2.13	ug/L
	Ba	135	52451.560	0.832	0.140	19.99976	2.16	ug/L
	Ba	137	91153.754	0.765	0.243	20.00042	2.37	ug/L
>	Tb	159	375108.905	1.777	375108.905			ug/L
	Hg	202	7072.333	0.746	0.019	1.99863	1.81	ug/L
	Tl	205	589414.256	0.515	1.570	19.99976	2.29	ug/L
	Pb	208	818712.033	0.369	2.181	19.99987	1.94	ug/L

⌈	Na	23	313944.414	0.948	0.254	20.00000	3.47	ug/L
|	Mg	24	180922.493	1.090	0.164	20.00000	1.99	ug/L
|	K	39	1331541.029	0.566	0.330	20.00000	5.99	ug/L
|	Ca	43	2283.646	1.855	0.001	20.00000	6.65	ug/L
|	Fe	54	84477.107	1.802	0.025	20.00000	5.10	ug/L
|	Fe	57	22259.690	0.371	0.009	20.00000	4.02	ug/L
⌊>	Sc-1	45	1065188.897	2.034	1065188.897			ug/L
	Kr	83	166.337	4.670	-6.334			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45					
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159					
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: 100

Sample Date/Time: Thursday, October 04, 2007 10:24:03
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\100.005
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	102503.259	0.857	0.096	99.89841	1.17	ug/L
	B	11	121673.230	1.113	0.112	99.85144	2.80	ug/L
	Al	27	1235936.402	0.869	1.132	99.89184	0.89	ug/L
>	Sc	45	1063049.092	1.675	1063049.092			ug/L
	Ti	47	126148.934	0.814	0.118	99.98273	2.28	ug/L
	V	51	1714546.985	1.581	1.605	100.09425	1.63	ug/L
	Cr	52	1471304.584	1.302	1.358	99.81811	1.92	ug/L
	Mn	55	2290019.574	0.337	2.153	99.93682	1.37	ug/L
	Co	59	1712453.719	0.868	1.611	99.85925	1.30	ug/L
	Ni	60	365346.589	0.388	0.344	99.92668	1.28	ug/L
	Cu	63	799839.589	0.801	2.838	99.90841	2.03	ug/L
	Cu	65	385372.358	0.590	1.367	100.01684	1.06	ug/L
	Zn	66	228310.581	0.823	0.806	99.90400	0.65	ug/L
	Zn	67	46948.739	1.739	0.141	99.40910	0.58	ug/L
	Zn	68	161847.110	1.478	0.569	99.89113	0.63	ug/L
>	Ge	72	281776.683	1.255	281776.683			ug/L
	As	75	227146.505	0.426	0.808	99.96405	0.83	ug/L
	Se	82	23949.584	0.399	0.085	99.92628	0.95	ug/L
	Sr	88	2861744.426	1.533	10.156	100.01649	2.66	ug/L
	Mo	95	421872.306	0.457	1.497	100.09882	1.66	ug/L
	Mo	98	672474.300	0.786	2.386	100.05108	1.34	ug/L
	Ag	107	1249925.198	1.629	4.480	99.97999	0.82	ug/L
	Cd	111	293793.683	1.046	1.053	99.97384	1.52	ug/L
	Cd	114	687351.748	1.535	2.463	99.90585	0.28	ug/L
>	In	115	278981.797	1.266	278981.797			ug/L
	Sn	118	857715.537	1.295	3.071	100.01957	1.79	ug/L
	Sb	121	891548.489	1.327	3.196	100.04972	2.48	ug/L
	Sb	123	688019.840	1.414	2.466	100.04821	2.64	ug/L
	Ba	135	258122.420	0.598	0.692	99.96581	0.89	ug/L
	Ba	137	449930.649	1.133	1.207	99.97692	1.42	ug/L
>	Tb	159	372724.510	0.470	372724.510			ug/L
	Hg	202	16812.676	0.399	0.045	4.97038	0.82	ug/L
	Tl	205	2987236.440	0.671	8.013	100.07846	1.01	ug/L
	Pb	208	3948777.033	2.794	10.592	99.88614	2.69	ug/L

⌈	Na	23	1379080.719	0.262	1.257	99.95789	1.71	ug/L
|	Mg	24	863110.413	1.152	0.807	99.92491	0.69	ug/L
|	K	39	2691776.812	0.363	1.612	99.90863	2.08	ug/L
|	Ca	43	6008.332	1.692	0.005	99.24960	0.49	ug/L
|	Fe	54	184757.911	0.526	0.119	99.86815	1.69	ug/L
|	Fe	57	59188.843	1.974	0.044	99.86842	1.83	ug/L
⌊>	Sc-1	45	1063049.092	1.675	1063049.092			ug/L
	Kr	83	158.003	1.266	-14.667			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Be	9					
|	B	11					
|	Al	27					
|>	Sc	45					
|	Ti	47					
|	V	51					
|	Cr	52					
|	Mn	55					
|	Co	59					
⌊	Ni	60					
⌈	Cu	63					
|	Cu	65					
|	Zn	66					
|	Zn	67					
|	Zn	68					
|>	Ge	72					
|	As	75					
|	Se	82					
|	Sr	88					
|	Mo	95					
⌊	Mo	98					
⌈	Ag	107					
|	Cd	111					
|	Cd	114					
|>	In	115					
|	Sn	118					
|	Sb	121					
⌊	Sb	123					
⌈	Ba	135					
|	Ba	137					
|>	Tb	159					
|	Hg	202					
|	Tl	205					
⌊	Pb	208					
⌈	Na	23					
|	Mg	24					
|	K	39					
|	Ca	43					
|	Fe	54					
|	Fe	57					
⌊>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: 1000

Sample Date/Time: Thursday, October 04, 2007 10:30:25
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\1000.006
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌈	Be	9	22.667	6.739	0.000	0.00694	17.92	ug/L
|	B	11	6229.362	14.869	0.003	2.53462	26.61	ug/L
|	Al	27	31876.590	0.725	-0.001	-0.10660	42.30	ug/L
| >	Sc	45	1080887.142	1.924	1080887.142			ug/L
|	Ti	47	636.698	13.908	0.000	0.08731	72.00	ug/L
|	V	51	-5846.106	80.766	-0.014	-0.85039	32.41	ug/L
|	Cr	52	27064.539	3.020	-0.001	-0.09437	31.68	ug/L
|	Mn	55	3303.614	1.202	0.001	0.06252	6.88	ug/L
|	Co	59	635.031	8.073	0.001	0.03302	10.81	ug/L
⌊	Ni	60	210.279	3.384	0.000	0.01962	13.44	ug/L
⌈	Cu	63	557.024	3.962	0.001	0.03220	8.25	ug/L
|	Cu	65	345.007	2.645	0.000	0.02272	9.88	ug/L
|	Zn	66	1876.211	3.565	0.002	0.22435	7.95	ug/L
|	Zn	67	8566.067	0.728	0.004	2.86645	15.54	ug/L
|	Zn	68	1987.237	0.738	0.002	0.30546	7.83	ug/L
| >	Ge	72	288649.879	1.440	288649.879			ug/L
|	As	75	-303.400	36.173	0.001	0.12836	38.41	ug/L
|	Se	82	112.669	6.150	0.000	0.08733	30.25	ug/L
|	Sr	88	1610.172	5.246	0.004	0.03611	7.73	ug/L
|	Mo	95	1082.341	36.175	0.003	0.19530	45.30	ug/L
⌊	Mo	98	1769.535	33.258	0.005	0.20483	40.60	ug/L
⌈	Ag	107	153.003	20.135	0.000	0.00836	30.19	ug/L
|	Cd	111	99.031	18.805	0.000	0.00820	79.42	ug/L
|	Cd	114	114.570	10.566	0.000	0.00531	34.96	ug/L
| >	In	115	281296.249	1.449	281296.249			ug/L
|	Sn	118	3980.055	31.977	0.010	0.32503	43.26	ug/L
|	Sb	121	13008.768	34.958	0.046	1.42712	33.97	ug/L
⌊	Sb	123	9879.480	34.758	0.035	1.40260	33.82	ug/L
⌈	Ba	135	82.667	4.620	0.000	0.00847	18.77	ug/L
|	Ba	137	137.336	12.827	0.000	0.01084	34.65	ug/L
| >	Tb	159	377125.443	0.542	377125.443			ug/L
|	Hg	202	263.404	16.202	0.001	0.06683	19.31	ug/L
|	Tl	205	2512.433	34.017	0.005	0.06169	46.61	ug/L
⌊	Pb	208	1294.719	7.010	0.001	0.01310	17.45	ug/L

⌈	Na	23	13232597.563	1.582	12.203	999.68758	1.17	ug/L
|	Mg	24	8603165.504	0.708	7.957	999.85125	2.55	ug/L
|	K	39	18200783.372	1.057	15.923	999.86106	2.44	ug/L
|	Ca	43	34157.030	0.915	0.031	994.67758	1.65	ug/L
|	Fe	54	1227871.344	0.545	1.082	998.93940	1.83	ug/L
|	Fe	57	487440.044	0.331	0.439	1000.00463	2.18	ug/L
⌊>	Sc-1	45	1080887.142	1.924	1080887.142			ug/L
	Kr	83	152.003	8.851	-20.667			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45					
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159					
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: 10000

Sample Date/Time: Thursday, October 04, 2007 10:36:28
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\10000.007
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	16.833	19.096	0.000	0.00117	311.36	ug/L
	B	11	4057.489	4.924	0.001	0.68542	11.27	ug/L
	Al	27	51676.052	25.194	0.017	1.46574	82.35	ug/L
>	Sc	45	1099942.606	4.367	1099942.606			ug/L
	Ti	47	579.693	7.059	0.000	0.03541	78.01	ug/L
	V	51	5162.036	78.226	-0.004	-0.21927	105.53	ug/L
	Cr	52	23924.978	2.537	-0.005	-0.33496	10.98	ug/L
	Mn	55	12888.814	0.834	0.010	0.46523	5.22	ug/L
	Co	59	4192.763	1.325	0.004	0.23319	5.32	ug/L
	Ni	60	1020.565	3.574	0.001	0.23347	9.02	ug/L
	Cu	63	2223.319	1.364	0.007	0.23537	1.04	ug/L
	Cu	65	755.868	2.715	0.002	0.12683	3.69	ug/L
	Zn	66	3359.177	1.044	0.007	0.86162	3.85	ug/L
	Zn	67	8521.355	0.836	0.004	2.75206	14.65	ug/L
	Zn	68	2903.839	1.092	0.005	0.86253	5.21	ug/L
>	Ge	72	288713.947	1.483	288713.947			ug/L
	As	75	-458.125	26.474	0.001	0.06213	88.19	ug/L
	Se	82	95.674	10.466	0.000	0.01810	243.98	ug/L
	Sr	88	9294.273	0.729	0.030	0.29825	1.98	ug/L
	Mo	95	495.873	11.018	0.001	0.05987	19.06	ug/L
	Mo	98	751.701	6.411	0.001	0.05742	10.11	ug/L
	Ag	107	104.335	13.701	0.000	0.00458	23.69	ug/L
	Cd	111	65.591	1.794	-0.000	-0.00288	8.30	ug/L
	Cd	114	59.088	6.227	-0.000	-0.00261	19.07	ug/L
>	In	115	278100.363	0.724	278100.363			ug/L
	Sn	118	1848.225	10.602	0.003	0.08205	29.71	ug/L
	Sb	121	4532.958	12.619	0.016	0.49446	13.72	ug/L
	Sb	123	3473.731	11.422	0.012	0.48929	12.52	ug/L
	Ba	135	316.339	3.471	0.001	0.09993	3.65	ug/L
	Ba	137	489.686	6.975	0.001	0.09010	10.16	ug/L
>	Tb	159	370992.588	1.380	370992.588			ug/L
	Hg	202	201.536	3.154	0.000	0.04966	4.66	ug/L
	Tl	205	948.731	13.665	0.001	0.01032	41.93	ug/L
	Pb	208	2897.557	1.303	0.006	0.05438	0.73	ug/L

⌈	Na	23	127680602.512	0.903	116.161	9994.91907	3.67	ug/L
|	Mg	24	83737884.307	1.012	76.237	9995.61972	5.12	ug/L
|	K	39	170131883.381	1.412	153.954	9996.55928	4.69	ug/L
|	Ca	43	318453.036	0.341	0.289	9993.60547	4.00	ug/L
|	Fe	54	11362869.841	1.823	10.294	9994.82254	6.11	ug/L
|	Fe	57	4675612.910	1.858	4.247	9996.56203	6.12	ug/L
⌊>	Sc-1	45	1099942.606	4.367	1099942.606			ug/L
	Kr	83	158.336	9.246	-14.334			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Be	9					
|	B	11					
|	Al	27					
|>	Sc	45					
|	Ti	47					
|	V	51					
|	Cr	52					
|	Mn	55					
|	Co	59					
⌊	Ni	60					
⌈	Cu	63					
|	Cu	65					
|	Zn	66					
|	Zn	67					
|	Zn	68					
|>	Ge	72					
|	As	75					
|	Se	82					
|	Sr	88					
|	Mo	95					
⌊	Mo	98					
⌈	Ag	107					
|	Cd	111					
|	Cd	114					
|>	In	115					
|	Sn	118					
|	Sb	121					
⌊	Sb	123					
⌈	Ba	135					
|	Ba	137					
|>	Tb	159					
|	Hg	202					
|	Tl	205					
⌊	Pb	208					
⌈	Na	23					
|	Mg	24					
|	K	39					
|	Ca	43					
|	Fe	54					
|	Fe	57					
⌊>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: ICV

Sample Date/Time: Thursday, October 04, 2007 10:44:51
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\ICV.008
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	25361.703	0.784	0.024	24.35370	0.92	ug/L
	B	11	32612.693	0.798	0.027	24.45364	1.66	ug/L
	Al	27	383306.189	1.077	0.325	28.65883	1.69	ug/L
>	Sc	45	1078332.168	0.847	1078332.168			ug/L
	Ti	47	33972.782	0.601	0.031	26.23859	1.44	ug/L
	V	51	458694.366	2.714	0.417	26.01855	2.21	ug/L
	Cr	52	404569.520	0.169	0.349	25.64489	0.82	ug/L
	Mn	55	594845.810	0.389	0.550	25.53004	1.22	ug/L
	Co	59	455684.288	0.514	0.423	26.19113	0.80	ug/L
	Ni	60	95128.548	1.023	0.088	25.61935	0.94	ug/L
	Cu	63	207683.630	1.701	0.727	25.58729	3.10	ug/L
	Cu	65	99644.204	0.415	0.348	25.48494	1.78	ug/L
	Zn	66	61650.880	0.483	0.211	26.20938	1.76	ug/L
	Zn	67	19001.640	0.880	0.041	28.88400	2.71	ug/L
	Zn	68	44532.170	0.198	0.151	26.48063	1.55	ug/L
>	Ge	72	285425.713	1.628	285425.713			ug/L
	As	75	59888.066	0.275	0.212	26.21251	1.37	ug/L
	Se	82	6373.866	0.621	0.022	25.98323	2.27	ug/L
	Sr	88	730692.930	0.942	2.559	25.19626	1.97	ug/L
	Mo	95	111225.211	1.394	0.389	26.01759	3.03	ug/L
	Mo	98	176942.451	0.068	0.619	25.95315	1.70	ug/L
	Ag	107	320271.821	0.838	1.134	25.31788	5.54	ug/L
	Cd	111	74561.226	0.922	0.264	25.05677	5.64	ug/L
	Cd	114	174008.628	0.170	0.616	24.98513	4.91	ug/L
>	In	115	282767.015	4.842	282767.015			ug/L
	Sn	118	222821.989	0.770	0.785	25.57765	5.42	ug/L
	Sb	121	246588.387	0.752	0.873	27.33286	5.48	ug/L
	Sb	123	189657.762	0.489	0.671	27.23454	4.99	ug/L
	Ba	135	66193.730	1.513	0.178	25.66982	5.22	ug/L
	Ba	137	115785.825	1.832	0.311	25.76776	5.57	ug/L
>	Tb	159	372468.061	3.867	372468.061			ug/L
	Hg	202	4177.447	0.144	0.011	1.22927	3.86	ug/L
	Tl	205	741178.554	1.516	1.990	24.85406	3.88	ug/L
	Pb	208	988392.326	0.738	2.655	25.03403	4.51	ug/L

⌈	Na	23	25610001.959	2.039	23.708	2039.92815	1.55	ug/L
|	Mg	24	16882715.011	0.697	15.652	2052.18935	1.47	ug/L
|	K	39	34852715.002	0.714	31.401	2038.94442	0.51	ug/L
|	Ca	43	65693.926	0.216	0.060	2072.08275	0.69	ug/L
|	Fe	54	2391340.612	1.160	2.163	2100.19888	1.45	ug/L
|	Fe	57	947506.713	1.169	0.867	2040.74515	1.62	ug/L
⌊>	Sc-1	45	1078332.168	0.847	1078332.168			ug/L
	Kr	83	152.336	11.967	-20.334			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9	97.415				
	B	11	97.815				
	Al	27	114.635				
>	Sc	45		100.302			
	Ti	47	104.954				
	V	51	104.074				
	Cr	52	102.580				
	Mn	55	102.120				
	Co	59	104.765				
	Ni	60	102.477				
	Cu	63	102.349				
	Cu	65	101.940				
	Zn	66	104.838				
	Zn	67	115.536				
	Zn	68	105.923				
>	Ge	72		97.885			
	As	75	104.850				
	Se	82	103.933				
	Sr	88	100.785				
	Mo	95	104.070				
	Mo	98	103.813				
	Ag	107	101.272				
	Cd	111	100.227				
	Cd	114	99.941				
>	In	115		98.714			
	Sn	118	102.311				
	Sb	121	109.331				
	Sb	123	108.938				
	Ba	135	102.679				
	Ba	137	103.071				
>	Tb	159		97.232			
	Hg	202	98.341				
	Tl	205	99.416				
	Pb	208	100.136				
	Na	23	100.737				
	Mg	24	101.343				
	K	39	100.689				
	Ca	43	102.325				
	Fe	54	103.714				
	Fe	57	100.778				
>	Sc-1	45		100.302			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ICB

Sample Date/Time: Thursday, October 04, 2007 10:51:16
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\ICB.009
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	14.667	3.936	-0.000	-0.00072	82.45	ug/L
	B	11	3896.913	5.229	0.001	0.60924	25.85	ug/L
	Al	27	62186.597	2.657	0.027	2.36592	6.41	ug/L
>	Sc	45	1081260.619	0.564	1081260.619			ug/L
	Ti	47	547.023	7.668	0.000	0.01739	178.25	ug/L
	V	51	59.940	12990.589	-0.008	-0.50761	88.25	ug/L
	Cr	52	25382.554	1.492	-0.003	-0.20910	15.35	ug/L
	Mn	55	5449.743	2.305	0.003	0.15457	4.00	ug/L
	Co	59	119.002	4.679	0.000	0.00338	8.57	ug/L
	Ni	60	99.770	14.037	-0.000	-0.01016	35.90	ug/L
	Cu	63	324.343	6.060	0.000	0.00318	76.78	ug/L
	Cu	65	272.338	3.609	0.000	0.00317	84.19	ug/L
	Zn	66	1607.155	2.033	0.001	0.09769	16.15	ug/L
	Zn	67	8874.056	0.421	0.005	3.26157	5.00	ug/L
	Zn	68	1764.854	0.667	0.001	0.15259	8.11	ug/L
>	Ge	72	293435.047	0.565	293435.047			ug/L
	As	75	-540.464	18.965	0.000	0.03113	136.31	ug/L
	Se	82	102.669	5.113	0.000	0.03972	58.37	ug/L
	Sr	88	541.023	3.142	-0.000	-0.00067	89.52	ug/L
	Mo	95	513.776	22.279	0.001	0.06228	42.80	ug/L
	Mo	98	823.375	21.854	0.002	0.06604	39.80	ug/L
	Ag	107	95.001	13.147	0.000	0.00376	25.46	ug/L
	Cd	111	82.645	15.518	0.000	0.00274	177.27	ug/L
	Cd	114	65.771	14.826	-0.000	-0.00171	87.13	ug/L
>	In	115	280720.522	2.136	280720.522			ug/L
	Sn	118	1561.832	17.505	0.001	0.04642	61.83	ug/L
	Sb	121	1394.464	7.034	0.004	0.13936	7.18	ug/L
	Sb	123	1052.921	6.384	0.003	0.13436	4.83	ug/L
	Ba	135	50.000	13.528	-0.000	-0.00373	78.57	ug/L
	Ba	137	82.335	5.991	-0.000	-0.00098	86.08	ug/L
>	Tb	159	371835.620	1.596	371835.620			ug/L
	Hg	202	157.668	3.484	0.000	0.03647	2.89	ug/L
	Tl	205	2071.959	28.230	0.004	0.04787	39.37	ug/L
	Pb	208	744.687	7.026	-0.000	-0.00040	257.24	ug/L

⌈	Na	23	39470.324	1.261	-0.004	-0.36442	12.09	ug/L
|	Mg	24	9453.456	2.443	0.003	0.43483	7.49	ug/L
|	K	39	974345.762	0.308	-0.019	-1.23694	23.76	ug/L
|	Ca	43	1425.455	2.912	0.000	9.57977	11.67	ug/L
|	Fe	54	61188.433	1.252	0.002	1.86772	39.02	ug/L
|	Fe	57	13647.835	1.339	0.001	1.85831	12.44	ug/L
⌊>	Sc-1	45	1081260.619	0.564	1081260.619			ug/L
	Kr	83	162.003	11.332	-10.667			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		100.574			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		100.632			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		97.999			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		97.067			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		100.574			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ICSA

Sample Date/Time: Thursday, October 04, 2007 10:57:41
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\ICSA.010
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	17.000	15.563	0.000	0.00208	90.62	ug/L
	B	11	4915.283	0.735	0.002	1.61247	11.70	ug/L
	Al	27	524184915.335	0.689	503.952	44469.15313	5.28	ug/L
>	Sc	45	1041782.543	4.652	1041782.543			ug/L
	Ti	47	1325505.172	0.485	1.274	1077.46266	5.16	ug/L
	V	51	6977.521	16.521	-0.002	-0.09405	58.33	ug/L
	Cr	52	29855.970	0.977	0.002	0.17504	59.69	ug/L
	Mn	55	37226.832	2.249	0.034	1.58296	7.25	ug/L
	Co	59	21646.640	2.605	0.021	1.28690	6.34	ug/L
	Ni	60	4246.648	2.691	0.004	1.14930	2.45	ug/L
	Cu	63	12881.744	0.285	0.043	1.53105	1.75	ug/L
	Cu	65	6917.537	1.356	0.023	1.68416	2.59	ug/L
	Zn	66	13755.510	0.256	0.043	5.31207	1.78	ug/L
	Zn	67	6903.200	6.801	-0.002	-1.23587	110.76	ug/L
	Zn	68	6955.735	0.349	0.019	3.31440	2.33	ug/L
>	Ge	72	289485.061	1.496	289485.061			ug/L
	As	75	80.701	67.975	0.002	0.29310	7.85	ug/L
	Se	82	143.014	3.485	0.000	0.21002	13.74	ug/L
	Sr	88	42627.507	0.108	0.145	1.43151	1.60	ug/L
	Mo	95	3983744.835	0.840	13.763	920.53473	1.80	ug/L
	Mo	98	6306534.371	0.320	21.787	913.75667	1.29	ug/L
	Ag	107	340.010	3.071	0.001	0.02619	2.86	ug/L
	Cd	111	207.259	43.305	0.001	0.05300	67.66	ug/L
	Cd	114	9147.371	2.073	0.036	1.45456	1.38	ug/L
>	In	115	253114.029	2.315	253114.029			ug/L
	Sn	118	1097.417	8.450	0.000	0.00662	152.56	ug/L
	Sb	121	1281.111	0.694	0.005	0.14238	3.05	ug/L
	Sb	123	981.948	3.045	0.003	0.13976	5.20	ug/L
	Ba	135	586.187	2.160	0.002	0.22486	3.52	ug/L
	Ba	137	979.067	1.682	0.003	0.21833	1.72	ug/L
>	Tb	159	341281.826	1.215	341281.826			ug/L
	Hg	202	746.834	9.058	0.002	0.23141	10.24	ug/L
	Tl	205	1196.098	9.045	0.002	0.02214	16.31	ug/L
	Pb	208	20570.964	0.957	0.058	0.54922	2.12	ug/L

⌈	Na	23	S	S	S	S	S	ug/L
|	Mg	24	373002248.817	1.529	358.726	47033.39590	6.21	ug/L
|	K	39	S	S	S	S	S	ug/L
|	Ca	43	1460303.701	1.210	1.403	48555.79628	5.88	ug/L
|	Fe	54	51628080.367	0.353	49.580	48139.09268	5.03	ug/L
|	Fe	57	21439844.910	1.120	20.605	48504.48227	5.70	ug/L
⌊>	Sc-1	45	1041782.543	4.652	1041782.543			ug/L
	Kr	83	250.340	1.153	77.669			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27	88.938				
>	Sc	45		96.902			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		99.277			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		88.362			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		89.091			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23	4000000.000				
	Mg	24	94.067				
	K	39	4000000.000				
	Ca	43	97.112				
	Fe	54	96.278				
	Fe	57	97.009				
>	Sc-1	45		96.902			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ICSAB

Sample Date/Time: Thursday, October 04, 2007 11:04:05
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\ICSAB.011
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	19.000	13.674	0.000	0.00489	54.54	ug/L
	B	11	4144.697	0.247	0.001	1.09065	0.41	ug/L
	Al	27	523533770.478	1.034	523.103	46159.00503	0.83	ug/L
>	Sc	45	1000754.847	0.268	1000754.847			ug/L
	Ti	47	1342383.555	1.026	1.341	1134.12282	0.99	ug/L
	V	51	330821.272	1.528	0.322	20.10790	1.75	ug/L
	Cr	52	165267.395	0.272	0.139	10.20449	0.50	ug/L
	Mn	55	249302.676	0.626	0.247	11.48496	0.79	ug/L
	Co	59	332207.740	0.643	0.332	20.57274	0.52	ug/L
	Ni	60	68939.321	0.675	0.069	19.99699	0.60	ug/L
	Cu	63	79615.642	0.467	0.278	9.77606	0.62	ug/L
	Cu	65	38571.227	0.576	0.134	9.81546	0.24	ug/L
	Zn	66	33408.836	0.522	0.112	13.92241	0.58	ug/L
	Zn	67	9788.414	2.507	0.009	6.10154	12.34	ug/L
	Zn	68	20559.665	0.588	0.067	11.72759	0.87	ug/L
>	Ge	72	285658.202	0.751	285658.202			ug/L
	As	75	22076.535	1.177	0.079	9.81672	0.46	ug/L
	Se	82	2404.584	1.201	0.008	9.55936	0.81	ug/L
	Sr	88	44959.405	0.494	0.155	1.53113	0.34	ug/L
	Mo	95	3987631.903	0.357	13.959	933.66599	0.87	ug/L
	Mo	98	6373405.088	0.477	22.311	935.72443	0.67	ug/L
	Ag	107	109664.303	0.682	0.428	9.54345	2.29	ug/L
	Cd	111	13607.655	1.259	0.053	5.01410	0.82	ug/L
	Cd	114	39883.071	0.881	0.155	6.29769	0.97	ug/L
>	In	115	256402.625	1.653	256402.625			ug/L
	Sn	118	981.734	4.818	-0.000	-0.00973	83.12	ug/L
	Sb	121	1136.089	2.594	0.004	0.12258	2.46	ug/L
	Sb	123	876.226	2.578	0.003	0.12092	1.57	ug/L
	Ba	135	570.186	1.540	0.002	0.21728	2.26	ug/L
	Ba	137	981.401	4.738	0.003	0.21815	5.61	ug/L
>	Tb	159	342387.987	0.509	342387.987			ug/L
	Hg	202	4455.458	1.463	0.013	1.42645	0.98	ug/L
	Tl	205	1094.750	5.173	0.001	0.01832	12.38	ug/L
	Pb	208	20809.897	1.506	0.059	0.55387	1.20	ug/L

⌈	Na	23	S	S	S	S	S	ug/L
|	Mg	24	369459379.568	0.220	369.176	48403.51816	0.14	ug/L
|	K	39	S	S	S	S	S	ug/L
|	Ca	43	1465502.589	1.577	1.463	50635.81005	1.61	ug/L
|	Fe	54	52328626.698	0.691	52.235	50717.04177	0.89	ug/L
|	Fe	57	21618968.518	0.499	21.591	50826.50439	0.55	ug/L
⌊>	Sc-1	45	1000754.847	0.268	1000754.847			ug/L
	Kr	83	262.340	11.444	89.670			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27	92.318				
>	Sc	45		93.086			
	Ti	47	113.412				
	V	51	100.539				
	Cr	52	102.045				
	Mn	55	114.850				
	Co	59	102.864				
	Ni	60	99.985				
	Cu	63	97.761				
	Cu	65	98.155				
	Zn	66	139.224				
	Zn	67	61.015				
	Zn	68	117.276				
>	Ge	72		97.965			
	As	75	98.167				
	Se	82	95.594				
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107	95.434				
	Cd	111	100.282				
	Cd	114	125.954				
>	In	115		89.510			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		89.379			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23	4000000.000				
	Mg	24	96.807				
	K	39	4000000.000				
	Ca	43	101.272				
	Fe	54	101.434				
	Fe	57	101.653				
>	Sc-1	45		93.086			
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCV

Sample Date/Time: Thursday, October 04, 2007 17:02:48
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\CCV.049
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	48984.383	0.564	0.045	46.33820	1.85	ug/L
	B	11	119996.104	0.209	0.107	95.47560	2.18	ug/L
	Al	27	642843.054	2.255	0.556	49.09857	2.88	ug/L
>	Sc	45	1095130.388	1.895	1095130.388			ug/L
	Ti	47	63736.471	1.221	0.058	48.82146	1.33	ug/L
	V	51	863753.062	2.912	0.781	48.69225	3.31	ug/L
	Cr	52	748289.643	1.499	0.657	48.30533	2.70	ug/L
	Mn	55	1129107.155	1.150	1.030	47.80028	3.02	ug/L
	Co	59	840264.296	0.305	0.767	47.56647	1.82	ug/L
	Ni	60	176832.210	0.415	0.161	46.93550	2.20	ug/L
	Cu	63	386887.388	1.178	1.370	48.24502	1.13	ug/L
	Cu	65	184135.071	0.973	0.652	47.69794	1.07	ug/L
	Zn	66	109270.417	0.561	0.383	47.45596	1.01	ug/L
	Zn	67	27172.730	0.568	0.071	49.85289	0.29	ug/L
	Zn	68	78085.979	0.533	0.272	47.67274	0.70	ug/L
>	Ge	72	282096.792	0.434	282096.792			ug/L
	As	75	112382.290	0.735	0.400	49.53062	1.07	ug/L
	Se	82	11769.206	0.646	0.041	48.85723	1.05	ug/L
	Sr	88	1370710.728	0.208	4.857	47.83237	0.64	ug/L
	Mo	95	210242.588	0.798	0.744	49.79514	1.12	ug/L
	Mo	98	334760.351	0.703	1.185	49.71886	0.62	ug/L
	Ag	107	594894.297	0.223	2.192	48.92132	1.05	ug/L
	Cd	111	139247.173	0.544	0.513	48.70069	1.64	ug/L
	Cd	114	325814.621	0.672	1.200	48.68230	0.87	ug/L
>	In	115	271377.335	1.280	271377.335			ug/L
	Sn	118	415973.276	0.721	1.529	49.80193	1.91	ug/L
	Sb	121	454227.485	0.787	1.674	52.39123	1.82	ug/L
	Sb	123	348200.474	0.103	1.283	52.03755	1.18	ug/L
	Ba	135	124523.152	0.634	0.341	49.21264	0.82	ug/L
	Ba	137	217803.213	1.630	0.596	49.39671	2.73	ug/L
>	Tb	159	365175.718	1.290	365175.718			ug/L
	Hg	202	7716.104	0.748	0.021	2.32294	1.24	ug/L
	Tl	205	1397608.403	0.819	3.826	47.78203	1.23	ug/L
	Pb	208	1848845.649	0.869	5.061	47.72783	1.03	ug/L

⌈	Na	23	50639715.101	0.462	46.210	3976.02802	1.66	ug/L
|	Mg	24	33779914.612	1.021	30.852	4045.02185	2.93	ug/L
|	K	39	66649803.302	0.822	59.954	3892.91892	2.01	ug/L
|	Ca	43	127038.902	0.983	0.115	3978.56396	1.39	ug/L
|	Fe	54	4530267.627	0.633	4.083	3964.72008	2.57	ug/L
|	Fe	57	1818666.857	0.443	1.649	3882.32451	1.70	ug/L
⌊>	Sc-1	45	1095130.388	1.895	1095130.388			ug/L
	Kr	83	139.336	3.315	-33.334			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		101.864			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		96.743			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		94.738			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		95.328			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		101.864			
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCB

Sample Date/Time: Thursday, October 04, 2007 17:09:04
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\CCB.050
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	14.333	25.236	-0.000	-0.00070	483.01	ug/L
	B	11	6233.693	13.666	0.003	2.67452	24.29	ug/L
	Al	27	32578.661	1.211	0.000	0.02068	375.30	ug/L
>	Sc	45	1053323.915	1.832	1053323.915			ug/L
	Ti	47	559.024	2.407	0.000	0.03844	10.30	ug/L
	V	51	-941.268	449.636	-0.009	-0.56869	44.40	ug/L
	Cr	52	25573.448	1.086	-0.002	-0.14963	28.60	ug/L
	Mn	55	2022.568	1.875	0.000	0.00972	10.16	ug/L
	Co	59	81.668	20.864	0.000	0.00135	68.29	ug/L
	Ni	60	96.642	2.330	-0.000	-0.01028	10.92	ug/L
	Cu	63	297.342	3.125	0.000	0.00046	301.65	ug/L
	Cu	65	238.337	5.080	-0.000	-0.00445	64.17	ug/L
	Zn	66	1289.933	2.071	-0.000	-0.02831	66.91	ug/L
	Zn	67	9037.064	0.521	0.006	3.97078	6.57	ug/L
	Zn	68	1559.146	1.291	0.000	0.04310	10.85	ug/L
>	Ge	72	289228.214	1.380	289228.214			ug/L
	As	75	-448.664	28.887	0.001	0.06734	79.11	ug/L
	Se	82	90.441	10.336	-0.000	-0.00410	972.39	ug/L
	Sr	88	517.688	3.217	-0.000	-0.00119	67.33	ug/L
	Mo	95	708.752	21.173	0.002	0.10905	32.42	ug/L
	Mo	98	1122.078	21.165	0.003	0.11101	31.38	ug/L
	Ag	107	65.334	26.080	0.000	0.00144	92.07	ug/L
	Cd	111	56.658	10.394	-0.000	-0.00592	37.69	ug/L
	Cd	114	32.687	42.460	-0.000	-0.00645	31.63	ug/L
>	In	115	278272.014	1.110	278272.014			ug/L
	Sn	118	2571.428	14.039	0.005	0.16626	24.06	ug/L
	Sb	121	314.009	21.278	0.001	0.01915	37.90	ug/L
	Sb	123	247.141	24.222	0.000	0.01828	46.26	ug/L
	Ba	135	49.000	13.344	-0.000	-0.00347	65.37	ug/L
	Ba	137	101.668	10.790	0.000	0.00419	63.51	ug/L
>	Tb	159	358403.814	2.048	358403.814			ug/L
	Hg	202	118.668	13.552	0.000	0.02622	18.70	ug/L
	Tl	205	3183.338	28.120	0.007	0.08940	35.01	ug/L
	Pb	208	611.682	13.653	-0.000	-0.00317	71.79	ug/L

⌈	Na	23	43895.442	2.061	0.001	0.08143	141.85	ug/L
|	Mg	24	4012.679	10.114	-0.002	-0.21236	21.31	ug/L
|	K	39	973968.468	0.408	0.005	0.30482	385.99	ug/L
|	Ca	43	1343.608	3.242	0.000	8.10192	12.79	ug/L
|	Fe	54	59897.079	1.481	0.002	2.14475	56.27	ug/L
|	Fe	57	13045.039	2.121	0.001	1.30396	50.25	ug/L
⌊>	Sc-1	45	1053323.915	1.832	1053323.915			ug/L
	Kr	83	169.003	12.083	-3.667			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		97.975			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		99.189			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		97.145			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		93.560			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		97.975			
	Kr	83					

Method 6020 - Summary Report

Sample ID: MB071004-2,5

Sample Date/Time: Thursday, October 04, 2007 17:53:00
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020w
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\MB071004-2,5.057
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	11.000	28.386	-0.000	-0.00402	75.51	ug/L
	B	11	9985.357	10.553	0.007	5.81763	14.84	ug/L
	Al	27	33096.452	2.195	0.001	0.04706	110.22	ug/L
>	Sc	45	1059432.321	0.312	1059432.321			ug/L
	Ti	47	754.042	8.706	0.000	0.19146	26.39	ug/L
	V	51	4285.551	196.733	-0.004	-0.25925	190.95	ug/L
	Cr	52	27840.691	1.276	-0.000	-0.00312	597.37	ug/L
	Mn	55	2014.776	5.914	0.000	0.00885	55.84	ug/L
	Co	59	79.668	5.932	0.000	0.00122	23.67	ug/L
	Ni	60	67.170	4.943	-0.000	-0.01854	5.08	ug/L
	Cu	63	185.671	3.586	-0.000	-0.01285	7.53	ug/L
	Cu	65	177.169	6.499	-0.000	-0.01933	17.07	ug/L
	Zn	66	778.703	1.293	-0.002	-0.24341	2.15	ug/L
	Zn	67	8345.011	1.999	0.004	2.54283	21.18	ug/L
	Zn	68	1200.920	1.410	-0.001	-0.16494	8.21	ug/L
>	Ge	72	285594.674	0.886	285594.674			ug/L
	As	75	-510.862	9.525	0.000	0.03763	54.07	ug/L
	Se	82	115.937	7.435	0.000	0.10570	31.33	ug/L
	Sr	88	520.021	3.997	-0.000	-0.00090	62.86	ug/L
	Mo	95	1669.133	21.592	0.005	0.33555	24.26	ug/L
	Mo	98	2667.779	25.386	0.008	0.33954	28.41	ug/L
	Ag	107	42.334	7.593	-0.000	-0.00040	65.07	ug/L
	Cd	111	48.317	30.968	-0.000	-0.00880	57.64	ug/L
	Cd	114	25.618	81.213	-0.000	-0.00748	40.82	ug/L
>	In	115	278392.966	0.461	278392.966			ug/L
	Sn	118	9719.048	27.543	0.031	1.00217	31.06	ug/L
	Sb	121	1064.747	21.412	0.003	0.10356	24.55	ug/L
	Sb	123	848.345	19.270	0.003	0.10588	22.31	ug/L
	Ba	135	140.168	4.165	0.000	0.03277	6.98	ug/L
	Ba	137	229.005	9.833	0.000	0.03315	16.30	ug/L
>	Tb	159	361684.576	0.530	361684.576			ug/L
	Hg	202	154.468	2.288	0.000	0.03682	3.28	ug/L
	Tl	205	4088.052	11.588	0.010	0.11950	13.19	ug/L
	Pb	208	985.032	12.661	0.001	0.00640	49.26	ug/L

⌈	Na	23	52677.141	41.388	0.009	0.77538	229.87	ug/L
|	Mg	24	3069.263	4.971	-0.003	-0.33170	5.99	ug/L
|	K	39	965750.562	0.978	-0.009	-0.55989	71.90	ug/L
|	Ca	43	1265.263	1.966	0.000	5.28986	13.61	ug/L
|	Fe	54	55648.799	0.956	-0.002	-2.07858	17.45	ug/L
|	Fe	57	12165.540	0.447	-0.000	-0.82229	10.08	ug/L
⌊>	Sc-1	45	1059432.321	0.312	1059432.321			ug/L
	Kr	83	186.004	5.129	13.334			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		98.544			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		97.943			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		97.187			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		94.417			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		98.544			
	Kr	83					

Method 6020 - Summary Report

Sample ID: LCS071004-2,5

Sample Date/Time: Thursday, October 04, 2007 17:59:18
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\LCS071004-2,5.058
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌈	Be	9	38855.544	0.659	0.037	38.05143	0.62	ug/L
|	B	11	468486.973	2.329	0.440	393.90466	3.05	ug/L
|	Al	27	4549442.080	1.615	4.271	376.88009	1.35	ug/L
| >	Sc	45	1057592.898	1.086	1057592.898			ug/L
|	Ti	47	497797.830	0.638	0.470	397.71221	0.45	ug/L
|	V	51	6291982.634	0.346	5.942	370.58137	1.08	ug/L
|	Cr	52	5463237.852	0.335	5.140	377.81648	1.25	ug/L
|	Mn	55	878352.669	1.254	0.829	38.47453	0.61	ug/L
|	Co	59	654286.090	1.469	0.619	38.34273	0.46	ug/L
⌊	Ni	60	1351859.313	0.437	1.278	371.72301	0.71	ug/L
⌈	Cu	63	296599.329	2.074	1.080	38.01517	2.10	ug/L
|	Cu	65	143175.540	1.693	0.521	38.11393	1.70	ug/L
|	Zn	66	846951.304	1.118	3.082	382.18282	1.19	ug/L
|	Zn	67	151145.235	0.554	0.525	370.29402	0.60	ug/L
|	Zn	68	603034.333	0.814	2.192	384.74320	0.88	ug/L
| >	Ge	72	274405.637	0.108	274405.637			ug/L
|	As	75	895728.345	1.447	3.266	403.97165	1.50	ug/L
|	Se	82	93031.160	1.283	0.339	399.67189	1.31	ug/L
|	Sr	88	1083322.774	1.086	3.946	38.85923	1.16	ug/L
|	Mo	95	1594396.328	1.080	5.810	388.57397	1.09	ug/L
⌊	Mo	98	2610767.709	1.404	9.513	398.98471	1.44	ug/L
⌈	Ag	107	457808.032	0.784	1.753	39.11936	1.62	ug/L
|	Cd	111	111003.556	1.379	0.425	40.33544	2.13	ug/L
|	Cd	114	255810.250	2.848	0.979	39.72046	3.68	ug/L
| >	In	115	261165.127	0.833	261165.127			ug/L
|	Sn	118	3262797.044	0.185	12.490	406.82142	0.65	ug/L
|	Sb	121	3647969.907	1.128	13.969	437.30277	1.69	ug/L
⌊	Sb	123	2794277.660	1.162	10.700	434.04389	1.70	ug/L
⌈	Ba	135	1055523.275	1.581	2.997	432.67399	1.23	ug/L
|	Ba	137	1847216.306	2.379	5.244	434.42241	2.00	ug/L
| >	Tb	159	352189.762	0.376	352189.762			ug/L
|	Hg	202	192.202	0.180	0.000	0.04992	0.62	ug/L
|	Tl	205	10864882.296	0.833	30.849	385.28004	1.16	ug/L
⌊	Pb	208	14699007.023	1.736	41.734	393.55752	1.66	ug/L

⌈	Na	23	50047321.744	0.837	47.283	4068.37561	0.74	ug/L
|	Mg	24	32824393.900	0.515	31.033	4068.84130	0.90	ug/L
|	K	39	66615005.624	0.298	62.073	4030.54888	1.39	ug/L
|	Ca	43	125295.275	1.814	0.117	4063.28740	1.20	ug/L
|	Fe	54	517083.856	2.674	0.434	421.61014	2.32	ug/L
|	Fe	57	196426.488	2.296	0.174	409.35128	1.86	ug/L
⌊>	Sc-1	45	1057592.898	1.086	1057592.898			ug/L
	Kr	83	199.671	4.048	27.001			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		98.373			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		94.106			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		91.173			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		91.938			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		98.373			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME0710178-02C,5

Sample Date/Time: Thursday, October 04, 2007 18:05:36
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\ME0710178-02C,5.059
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌈	Be	9	15.500	11.631	0.000	0.00054	323.21	ug/L
|	B	11	54707.344	6.652	0.049	44.10104	7.30	ug/L
|	Al	27	21154.532	1.044	-0.011	-0.92862	0.72	ug/L
| >	Sc	45	1048194.826	0.677	1048194.826			ug/L
|	Ti	47	1334.455	14.509	0.001	0.66640	23.44	ug/L
|	V	51	1901.544	137.632	-0.006	-0.39670	39.56	ug/L
|	Cr	52	30977.751	1.876	0.003	0.23764	16.65	ug/L
|	Mn	55	272119.183	1.440	0.258	11.97303	2.09	ug/L
|	Co	59	641.364	5.787	0.001	0.03448	5.63	ug/L
⌊	Ni	60	749.397	9.601	0.001	0.17086	10.87	ug/L
⌈	Cu	63	7979.565	0.999	0.028	0.96905	1.83	ug/L
|	Cu	65	3888.407	1.208	0.013	0.95298	2.11	ug/L
|	Zn	66	2456.862	0.881	0.004	0.50824	3.50	ug/L
|	Zn	67	9554.308	0.800	0.009	6.03359	6.06	ug/L
|	Zn	68	3418.535	2.308	0.007	1.24299	5.18	ug/L
| >	Ge	72	279596.558	0.761	279596.558			ug/L
|	As	75	48.743	356.172	0.002	0.28013	27.34	ug/L
|	Se	82	159.615	19.702	0.000	0.30111	45.98	ug/L
|	Sr	88	2917720.028	1.861	10.435	102.75917	2.54	ug/L
|	Mo	95	7281.477	15.328	0.025	1.68834	16.63	ug/L
⌊	Mo	98	11661.765	14.325	0.041	1.69890	15.57	ug/L
⌈	Ag	107	78.334	23.202	0.000	0.00283	54.67	ug/L
|	Cd	111	60.596	10.379	-0.000	-0.00347	67.23	ug/L
|	Cd	114	42.917	55.917	-0.000	-0.00463	79.63	ug/L
| >	In	115	263992.939	0.387	263992.939			ug/L
|	Sn	118	12553.572	32.503	0.043	1.41544	35.98	ug/L
|	Sb	121	1106.420	19.392	0.004	0.11513	22.57	ug/L
⌊	Sb	123	901.583	22.078	0.003	0.12091	25.76	ug/L
⌈	Ba	135	59938.465	0.994	0.170	24.48783	1.62	ug/L
|	Ba	137	103548.119	1.219	0.293	24.27537	1.88	ug/L
| >	Tb	159	353086.032	0.712	353086.032			ug/L
|	Hg	202	137.068	3.784	0.000	0.03253	5.50	ug/L
|	Tl	205	15305.055	30.348	0.042	0.52036	32.15	ug/L
⌊	Pb	208	7118.582	4.374	0.018	0.17082	4.10	ug/L

⌈	Na	23	57467260.013	2.276	54.787	4714.09478	2.53	ug/L
|	Mg	24	65357863.255	0.815	62.351	8174.96738	1.37	ug/L
|	K	39	6484424.101	0.904	5.266	341.96383	1.78	ug/L
|	Ca	43	504138.309	0.762	0.480	16607.20039	1.34	ug/L
|	Fe	54	535595.242	1.788	0.456	443.06145	2.24	ug/L
|	Fe	57	227446.833	1.874	0.205	483.00799	2.65	ug/L
⌊>	Sc-1	45	1048194.826	0.677	1048194.826			ug/L
	Kr	83	157.336	8.906	-15.334			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		97.498			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		95.886			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		92.160			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		92.172			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		97.498			
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCV

Sample Date/Time: Thursday, October 04, 2007 18:18:12
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\CCV.061
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	47121.355	0.778	0.042	43.90644	2.48	ug/L
	B	11	121251.277	1.877	0.106	95.03294	4.12	ug/L
	Al	27	629919.543	0.512	0.536	47.29267	1.97	ug/L
>	Sc	45	1111937.004	2.160	1111937.004			ug/L
	Ti	47	63226.282	1.554	0.056	47.69990	2.90	ug/L
	V	51	834049.862	0.733	0.742	46.29186	2.87	ug/L
	Cr	52	724565.848	0.309	0.626	45.97886	2.21	ug/L
	Mn	55	1117145.285	1.531	1.003	46.58101	3.40	ug/L
	Co	59	842793.308	0.337	0.758	46.99249	2.19	ug/L
	Ni	60	176251.746	0.650	0.158	46.07154	1.62	ug/L
	Cu	63	380828.596	0.444	1.355	47.69127	0.42	ug/L
	Cu	65	180964.979	0.377	0.643	47.07506	0.37	ug/L
	Zn	66	106415.825	0.467	0.374	46.39900	0.46	ug/L
	Zn	67	25807.734	0.292	0.066	46.71634	0.42	ug/L
	Zn	68	76806.853	0.905	0.268	47.08009	0.94	ug/L
>	Ge	72	280899.833	0.022	280899.833			ug/L
	As	75	110549.199	0.947	0.396	48.93209	0.92	ug/L
	Se	82	11518.651	0.886	0.041	48.01305	0.88	ug/L
	Sr	88	1361385.494	0.963	4.845	47.70851	0.98	ug/L
	Mo	95	207639.257	1.112	0.738	49.38640	1.13	ug/L
	Mo	98	334990.774	0.857	1.191	49.96520	0.86	ug/L
	Ag	107	586616.680	0.409	2.185	48.76625	1.36	ug/L
	Cd	111	136577.008	0.949	0.509	48.28497	1.61	ug/L
	Cd	114	321940.957	0.861	1.199	48.63098	1.93	ug/L
>	In	115	268453.619	1.087	268453.619			ug/L
	Sn	118	413655.041	1.456	1.537	50.05547	0.58	ug/L
	Sb	121	449787.233	0.651	1.675	52.43823	0.47	ug/L
	Sb	123	343304.836	0.346	1.279	51.86400	1.26	ug/L
	Ba	135	122632.918	0.452	0.345	49.76976	1.31	ug/L
	Ba	137	213150.732	0.565	0.599	49.63403	1.19	ug/L
>	Tb	159	355620.592	1.191	355620.592			ug/L
	Hg	202	7673.331	0.206	0.021	2.37236	1.17	ug/L
	Tl	205	1360880.907	1.519	3.826	47.78236	2.66	ug/L
	Pb	208	1814408.374	0.286	5.101	48.09900	1.25	ug/L

⌈	Na	23	49592161.805	1.418	44.579	3835.70671	3.25	ug/L
|	Mg	24	33262937.997	0.945	29.917	3922.45542	1.99	ug/L
|	K	39	65951719.274	0.651	58.406	3792.41413	1.66	ug/L
|	Ca	43	124874.330	0.292	0.111	3851.27958	2.44	ug/L
|	Fe	54	4444904.225	0.597	3.944	3829.53334	2.51	ug/L
|	Fe	57	1790788.116	0.246	1.599	3764.50802	2.05	ug/L
⌊>	Sc-1	45	1111937.004	2.160	1111937.004			ug/L
	Kr	83	147.003	1.800	-25.667			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		103.427			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		96.333			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		93.717			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		92.834			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		103.427			
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCB

Sample Date/Time: Thursday, October 04, 2007 18:24:27
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\CCB.062
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	16.500	29.845	0.000	0.00164	288.74	ug/L
	B	11	8178.720	12.523	0.005	4.42333	18.66	ug/L
	Al	27	32149.093	0.746	0.000	0.02052	63.12	ug/L
>	Sc	45	1039193.707	1.214	1039193.707			ug/L
	Ti	47	588.027	3.023	0.000	0.06811	13.75	ug/L
	V	51	271.047	3030.910	-0.008	-0.49324	99.57	ug/L
	Cr	52	24983.973	1.945	-0.002	-0.16715	31.48	ug/L
	Mn	55	2064.614	1.417	0.000	0.01281	7.58	ug/L
	Co	59	92.001	17.493	0.000	0.00205	48.82	ug/L
	Ni	60	94.893	3.045	-0.000	-0.01042	9.97	ug/L
	Cu	63	287.675	9.742	-0.000	-0.00030	1311.56	ug/L
	Cu	65	219.003	6.181	-0.000	-0.00868	51.29	ug/L
	Zn	66	1144.912	1.303	-0.001	-0.08515	15.33	ug/L
	Zn	67	8846.693	0.359	0.005	3.74463	9.56	ug/L
	Zn	68	1478.631	1.783	0.000	0.00411	305.93	ug/L
>	Ge	72	286100.063	1.851	286100.063			ug/L
	As	75	-382.218	64.173	0.001	0.09389	113.28	ug/L
	Se	82	102.192	7.858	0.000	0.04857	77.94	ug/L
	Sr	88	542.690	3.594	-0.000	-0.00014	551.60	ug/L
	Mo	95	1043.254	19.110	0.003	0.18947	26.37	ug/L
	Mo	98	1688.008	18.201	0.005	0.19619	24.68	ug/L
	Ag	107	78.668	18.610	0.000	0.00268	45.29	ug/L
	Cd	111	52.774	8.916	-0.000	-0.00684	19.67	ug/L
	Cd	114	45.545	31.139	-0.000	-0.00439	51.88	ug/L
>	In	115	271622.259	2.003	271622.259			ug/L
	Sn	118	4142.421	15.760	0.011	0.36160	19.76	ug/L
	Sb	121	473.685	16.630	0.001	0.03838	21.57	ug/L
	Sb	123	392.027	15.501	0.001	0.04076	19.98	ug/L
	Ba	135	52.000	10.039	-0.000	-0.00228	89.42	ug/L
	Ba	137	95.001	11.956	0.000	0.00259	99.40	ug/L
>	Tb	159	359110.025	0.481	359110.025			ug/L
	Hg	202	130.468	8.187	0.000	0.02978	11.31	ug/L
	Tl	205	4806.152	23.752	0.012	0.14558	27.54	ug/L
	Pb	208	699.018	7.377	-0.000	-0.00092	138.09	ug/L

⌈	Na	23	40599.425	2.060	-0.002	-0.14352	56.25	ug/L
|	Mg	24	4656.066	24.488	-0.001	-0.12387	116.79	ug/L
|	K	39	958187.007	0.387	0.002	0.12518	411.77	ug/L
|	Ca	43	1309.770	1.425	0.000	7.57897	6.91	ug/L
|	Fe	54	59219.165	2.013	0.002	2.24818	25.13	ug/L
|	Fe	57	12922.016	2.811	0.001	1.41626	45.49	ug/L
⌊>	Sc-1	45	1039193.707	1.214	1039193.707			ug/L
	Kr	83	183.671	8.734	11.000			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		96.661			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		98.116			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		94.823			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		93.745			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		96.661			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME0710178-03C,5

Sample Date/Time: Thursday, October 04, 2007 18:30:43
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020w
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\ME0710178-03C,5.063
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	15.667	12.083	0.000	0.00081	283.50	ug/L
	B	11	41680.820	1.168	0.037	33.12804	3.38	ug/L
	Al	27	18479.952	2.223	-0.013	-1.14711	4.31	ug/L
>	Sc	45	1044552.680	4.228	1044552.680			ug/L
	Ti	47	970.733	3.432	0.000	0.37646	10.61	ug/L
	V	51	284.226	980.132	-0.008	-0.49040	34.32	ug/L
	Cr	52	27747.022	0.632	0.000	0.02050	459.75	ug/L
	Mn	55	269401.712	1.942	0.256	11.90138	2.51	ug/L
	Co	59	593.694	3.206	0.001	0.03183	5.67	ug/L
	Ni	60	1155.466	0.363	0.001	0.28511	4.89	ug/L
	Cu	63	5752.042	1.630	0.020	0.68979	1.90	ug/L
	Cu	65	2783.632	3.185	0.009	0.66486	1.81	ug/L
	Zn	66	2950.189	1.213	0.006	0.72924	1.10	ug/L
	Zn	67	9393.959	1.038	0.008	5.67063	6.65	ug/L
	Zn	68	3758.348	2.156	0.008	1.46023	3.82	ug/L
>	Ge	72	279128.927	1.716	279128.927			ug/L
	As	75	-400.156	43.776	0.001	0.08103	97.47	ug/L
	Se	82	100.406	11.450	0.000	0.05166	103.09	ug/L
	Sr	88	2870157.198	2.454	10.280	101.23447	1.05	ug/L
	Mo	95	4553.154	3.625	0.015	1.03590	2.20	ug/L
	Mo	98	7313.710	3.196	0.025	1.04711	2.35	ug/L
	Ag	107	40.334	12.723	-0.000	-0.00041	105.31	ug/L
	Cd	111	58.045	16.565	-0.000	-0.00456	74.37	ug/L
	Cd	114	36.570	9.228	-0.000	-0.00565	9.48	ug/L
>	In	115	266134.904	0.746	266134.904			ug/L
	Sn	118	2898.868	6.794	0.007	0.22019	10.06	ug/L
	Sb	121	331.343	11.099	0.001	0.02283	18.28	ug/L
	Sb	123	288.029	4.253	0.001	0.02619	6.11	ug/L
	Ba	135	57573.328	3.169	0.161	23.20497	3.68	ug/L
	Ba	137	100833.263	2.358	0.282	23.32027	2.87	ug/L
>	Tb	159	357903.093	0.563	357903.093			ug/L
	Hg	202	194.269	0.973	0.000	0.04960	0.90	ug/L
	Tl	205	2241.327	11.867	0.005	0.05661	16.77	ug/L
	Pb	208	2951.235	4.096	0.006	0.05849	6.03	ug/L

⌈	Na	23	55652453.774	2.857	53.271	4583.58725	2.88	ug/L
|	Mg	24	63112905.788	2.002	60.468	7928.04203	3.42	ug/L
|	K	39	6291078.394	1.754	5.107	331.63042	3.51	ug/L
|	Ca	43	483814.467	2.041	0.462	16002.17207	2.63	ug/L
|	Fe	54	508970.237	1.904	0.433	420.36118	2.99	ug/L
|	Fe	57	212968.688	3.105	0.192	452.35508	2.81	ug/L
⌊>	Sc-1	45	1044552.680	4.228	1044552.680			ug/L
	Kr	83	139.669	6.497	-33.001			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		97.160			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		95.725			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		92.908			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		93.430			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		97.160			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME0710178-04C,5

Sample Date/Time: Thursday, October 04, 2007 18:36:59
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020w
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\ME0710178-04C,5.064
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	13.167	19.487	-0.000	-0.00179	147.42	ug/L
	B	11	50462.834	0.700	0.045	40.34564	0.33	ug/L
	Al	27	25770.622	1.808	-0.006	-0.54602	10.15	ug/L
>	Sc	45	1051254.506	0.760	1051254.506			ug/L
	Ti	47	958.398	1.638	0.000	0.36070	3.90	ug/L
	V	51	521.634	589.407	-0.008	-0.47960	37.95	ug/L
	Cr	52	28794.799	0.855	0.001	0.07882	40.29	ug/L
	Mn	55	159755.900	1.577	0.150	6.97528	1.64	ug/L
	Co	59	644.365	3.294	0.001	0.03455	3.21	ug/L
	Ni	60	1753.668	1.454	0.002	0.44819	1.93	ug/L
	Cu	63	14439.978	0.461	0.051	1.78481	0.50	ug/L
	Cu	65	7031.300	2.765	0.024	1.77779	2.67	ug/L
	Zn	66	9280.833	1.448	0.029	3.54027	1.40	ug/L
	Zn	67	10429.689	0.347	0.012	8.27449	1.10	ug/L
	Zn	68	8274.941	1.849	0.024	4.29755	1.94	ug/L
>	Ge	72	279223.073	0.245	279223.073			ug/L
	As	75	-370.161	99.977	0.001	0.09461	173.61	ug/L
	Se	82	90.122	9.435	0.000	0.00761	466.74	ug/L
	Sr	88	4856729.271	2.346	17.391	171.26462	2.11	ug/L
	Mo	95	7878.599	1.570	0.027	1.83229	1.37	ug/L
	Mo	98	12513.560	2.739	0.044	1.82780	2.58	ug/L
	Ag	107	40.334	14.098	-0.000	-0.00046	91.67	ug/L
	Cd	111	79.369	14.345	0.000	0.00272	154.61	ug/L
	Cd	114	92.879	26.561	0.000	0.00278	139.98	ug/L
>	In	115	269515.960	1.716	269515.960			ug/L
	Sn	118	2390.367	4.215	0.005	0.15429	5.03	ug/L
	Sb	121	256.007	10.854	0.000	0.01361	24.25	ug/L
	Sb	123	259.046	5.554	0.001	0.02132	13.26	ug/L
	Ba	135	73460.628	2.100	0.201	29.07041	2.25	ug/L
	Ba	137	129050.499	2.221	0.354	29.30075	1.60	ug/L
>	Tb	159	364611.593	1.982	364611.593			ug/L
	Hg	202	677.694	1.536	0.002	0.19491	1.02	ug/L
	Tl	205	1537.491	1.669	0.002	0.03107	5.83	ug/L
	Pb	208	5313.380	2.808	0.013	0.11819	4.03	ug/L

⌈	Na	23	40515505.530	3.353	38.500	3312.69815	3.36	ug/L
|	Mg	24	78338676.077	2.581	74.514	9769.75471	2.50	ug/L
|	K	39	8058383.767	0.987	6.746	438.00771	1.48	ug/L
|	Ca	43	525958.931	1.310	0.499	17275.89914	0.92	ug/L
|	Fe	54	788245.032	1.392	0.695	674.96200	1.57	ug/L
|	Fe	57	326608.104	2.273	0.299	703.49818	2.02	ug/L
⌊>	Sc-1	45	1051254.506	0.760	1051254.506			ug/L
	Kr	83	152.670	4.361	-20.001			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		97.783			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		95.758			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		94.088			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		95.181			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		97.783			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME0710178-05C,5

Sample Date/Time: Thursday, October 04, 2007 18:43:16
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020w
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\ME0710178-05C,5.065
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	12.833	21.458	-0.000	-0.00193	142.96	ug/L
	B	11	52885.788	0.634	0.048	43.09529	0.39	ug/L
	Al	27	19426.915	1.380	-0.012	-1.05389	2.07	ug/L
>	Sc	45	1035450.342	0.474	1035450.342			ug/L
	Ti	47	976.734	1.836	0.000	0.38742	3.78	ug/L
	V	51	2505.953	210.050	-0.006	-0.35981	88.23	ug/L
	Cr	52	30882.261	0.880	0.004	0.25764	9.72	ug/L
	Mn	55	148402.665	1.811	0.142	6.57375	1.72	ug/L
	Co	59	745.041	3.851	0.001	0.04117	4.61	ug/L
	Ni	60	3455.533	19.151	0.003	0.93347	19.86	ug/L
	Cu	63	1080.081	0.563	0.003	0.09953	2.72	ug/L
	Cu	65	745.533	2.848	0.002	0.12938	6.77	ug/L
	Zn	66	5307.523	1.367	0.014	1.76023	4.01	ug/L
	Zn	67	10048.054	0.586	0.010	7.14438	9.54	ug/L
	Zn	68	5554.851	1.202	0.015	2.56528	3.92	ug/L
>	Ge	72	281179.952	2.261	281179.952			ug/L
	As	75	-220.733	40.798	0.001	0.16112	25.61	ug/L
	Se	82	89.210	3.322	0.000	0.00110	397.98	ug/L
	Sr	88	4489665.781	0.998	15.972	157.29244	3.03	ug/L
	Mo	95	8974.595	2.175	0.031	2.08118	4.30	ug/L
	Mo	98	14271.043	0.903	0.050	2.07792	3.18	ug/L
	Ag	107	30.334	25.179	-0.000	-0.00123	51.49	ug/L
	Cd	111	54.473	10.530	-0.000	-0.00573	35.12	ug/L
	Cd	114	57.938	36.512	-0.000	-0.00237	130.64	ug/L
>	In	115	264783.754	2.286	264783.754			ug/L
	Sn	118	2139.629	2.381	0.004	0.12868	0.73	ug/L
	Sb	121	223.672	8.557	0.000	0.01029	16.98	ug/L
	Sb	123	233.173	1.766	0.000	0.01804	7.06	ug/L
	Ba	135	70155.132	1.827	0.198	28.63172	2.05	ug/L
	Ba	137	122843.204	1.757	0.347	28.76888	2.25	ug/L
>	Tb	159	353593.000	2.931	353593.000			ug/L
	Hg	202	131.068	4.664	0.000	0.03062	7.83	ug/L
	Tl	205	1518.820	3.289	0.003	0.03203	1.36	ug/L
	Pb	208	987.366	4.009	0.001	0.00709	26.03	ug/L

⌈	Na	23	51195940.671	1.594	49.401	4250.64766	1.25	ug/L
|	Mg	24	80759143.638	0.234	77.990	10225.47843	0.60	ug/L
|	K	39	8718185.910	1.152	7.499	486.94677	0.76	ug/L
|	Ca	43	548486.620	1.395	0.529	18292.94940	1.21	ug/L
|	Fe	54	592740.824	1.877	0.518	502.75061	2.29	ug/L
|	Fe	57	251140.780	1.648	0.231	543.11343	1.76	ug/L
⌊>	Sc-1	45	1035450.342	0.474	1035450.342			ug/L
	Kr	83	139.669	3.229	-33.001			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		96.313			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		96.429			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		92.436			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		92.304			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		96.313			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME0710178-05CMS,5

Sample Date/Time: Thursday, October 04, 2007 18:49:32
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020w
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\ME0710178-05CMS,5.066
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	38580.278	1.391	0.038	39.37472	1.86	ug/L
	B	11	503917.956	1.922	0.494	441.99647	4.25	ug/L
	Al	27	4510351.553	0.983	4.414	389.48834	1.57	ug/L
>	Sc	45	1015033.509	2.403	1015033.509			ug/L
	Ti	47	479032.009	2.101	0.471	398.77414	0.31	ug/L
	V	51	6207392.558	0.625	6.110	381.09138	2.93	ug/L
	Cr	52	5410193.026	1.647	5.305	389.92068	1.14	ug/L
	Mn	55	984001.702	2.088	0.968	44.92965	1.74	ug/L
	Co	59	626255.301	1.957	0.617	38.24296	0.70	ug/L
	Ni	60	1287263.134	1.134	1.268	368.86909	1.56	ug/L
	Cu	63	283106.567	0.693	1.065	37.50687	1.94	ug/L
	Cu	65	136252.085	1.001	0.512	37.49010	1.90	ug/L
	Zn	66	807525.941	0.898	3.037	376.64265	1.87	ug/L
	Zn	67	146210.384	0.823	0.525	370.26174	2.07	ug/L
	Zn	68	576265.289	1.430	2.166	380.03296	2.36	ug/L
>	Ge	72	265510.283	1.243	265510.283			ug/L
	As	75	876847.101	1.599	3.305	408.78696	2.73	ug/L
	Se	82	90283.822	1.325	0.340	400.93091	2.30	ug/L
	Sr	88	5516302.447	1.589	20.776	204.59970	1.96	ug/L
	Mo	95	1604908.322	0.901	6.044	404.26703	1.07	ug/L
	Mo	98	2567513.840	0.514	9.670	405.55830	1.26	ug/L
	Ag	107	435966.728	2.620	1.739	38.79825	2.21	ug/L
	Cd	111	105599.513	0.756	0.421	39.96789	1.68	ug/L
	Cd	114	245651.300	1.023	0.980	39.72394	1.25	ug/L
>	In	115	250766.025	2.216	250766.025			ug/L
	Sn	118	3178459.910	1.075	12.674	412.82941	1.92	ug/L
	Sb	121	3571908.821	0.367	14.248	446.05412	2.25	ug/L
	Sb	123	2729889.846	0.661	10.888	441.69662	1.56	ug/L
	Ba	135	1087618.307	0.881	3.171	457.88109	2.32	ug/L
	Ba	137	1897807.442	1.403	5.533	458.32440	1.40	ug/L
>	Tb	159	343068.322	2.731	343068.322			ug/L
	Hg	202	117.534	5.789	0.000	0.02755	11.66	ug/L
	Tl	205	10729463.961	0.766	31.291	390.80133	3.14	ug/L
	Pb	208	14416102.837	0.868	42.035	396.39810	2.18	ug/L

⌈	Na	23	98909565.096	1.767	97.422	8382.55372	1.71	ug/L
|	Mg	24	111108675.716	1.322	109.489	14355.35525	2.12	ug/L
|	K	39	72173224.505	2.079	70.190	4557.59662	1.08	ug/L
|	Ca	43	662238.483	1.959	0.651	22541.54588	0.79	ug/L
|	Fe	54	1019926.533	1.436	0.950	922.80690	2.24	ug/L
|	Fe	57	419308.975	2.314	0.401	944.67328	1.27	ug/L
⌊>	Sc-1	45	1015033.509	2.403	1015033.509			ug/L
	Kr	83	209.671	17.759	37.001			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		94.414			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		91.055			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		87.542			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		89.557			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		94.414			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME0710178-05CMSD,5

Sample Date/Time: Thursday, October 04, 2007 18:55:48
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020w
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\ME0710178-05CMSD,5.067
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	38151.832	2.321	0.037	38.65530	2.08	ug/L
	B	11	516222.525	1.130	0.502	449.37540	0.90	ug/L
	Al	27	4494989.121	4.225	4.367	385.31211	4.01	ug/L
>	Sc	45	1022150.446	0.239	1022150.446			ug/L
	Ti	47	478164.793	3.715	0.467	395.23593	3.48	ug/L
	V	51	6075299.610	1.640	5.935	370.19052	1.41	ug/L
	Cr	52	5278439.417	1.755	5.138	377.65156	1.53	ug/L
	Mn	55	961296.251	2.380	0.939	43.57686	2.15	ug/L
	Co	59	615652.582	2.439	0.602	37.32936	2.22	ug/L
	Ni	60	1264723.695	2.781	1.237	359.78843	2.55	ug/L
	Cu	63	281745.739	3.137	1.057	37.20959	4.27	ug/L
	Cu	65	134307.263	3.657	0.503	36.83944	4.70	ug/L
	Zn	66	795936.413	2.671	2.984	370.05349	3.74	ug/L
	Zn	67	142888.912	2.399	0.511	360.21820	3.55	ug/L
	Zn	68	565518.577	2.453	2.118	371.71596	3.36	ug/L
>	Ge	72	266391.578	1.303	266391.578			ug/L
	As	75	862937.042	2.912	3.242	401.00882	3.94	ug/L
	Se	82	88393.807	2.931	0.332	391.28971	4.05	ug/L
	Sr	88	5408911.291	2.537	20.307	199.98081	3.44	ug/L
	Mo	95	1582697.133	2.556	5.942	397.43391	3.58	ug/L
	Mo	98	2528544.014	2.546	9.493	398.15211	3.60	ug/L
	Ag	107	430765.473	2.581	1.742	38.86805	1.49	ug/L
	Cd	111	104652.974	2.185	0.423	40.15713	1.49	ug/L
	Cd	114	241633.826	4.079	0.977	39.61528	3.59	ug/L
>	In	115	247315.268	2.377	247315.268			ug/L
	Sn	118	3125697.727	2.923	12.634	411.51824	1.18	ug/L
	Sb	121	3519823.476	2.934	14.232	445.55000	1.93	ug/L
	Sb	123	2678772.233	1.944	10.834	439.47900	2.30	ug/L
	Ba	135	1074464.004	2.661	3.159	456.09119	3.16	ug/L
	Ba	137	1895320.299	2.819	5.571	461.49591	2.25	ug/L
>	Tb	159	340220.166	2.525	340220.166			ug/L
	Hg	202	116.801	1.123	0.000	0.02759	4.38	ug/L
	Tl	205	10520169.562	1.958	30.925	386.23781	1.62	ug/L
	Pb	208	14162956.006	1.851	41.641	392.68468	2.72	ug/L

⌈	Na	23	97519438.685	2.782	95.362	8205.27077	2.56	ug/L
|	Mg	24	110442230.453	2.499	108.040	14165.36817	2.28	ug/L
|	K	39	71089170.316	2.761	68.626	4456.01463	2.58	ug/L
|	Ca	43	654297.898	2.626	0.639	22112.77160	2.40	ug/L
|	Fe	54	993033.376	2.997	0.917	890.16832	2.98	ug/L
|	Fe	57	408334.866	1.954	0.388	912.53845	1.77	ug/L
⌊>	Sc-1	45	1022150.446	0.239	1022150.446			ug/L
	Kr	83	215.672	5.798	43.001			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		95.076			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		91.357			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		86.338			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		88.814			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		95.076			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME0710178-06C,5

Sample Date/Time: Thursday, October 04, 2007 19:02:05
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020w
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\ME0710178-06C,5.068
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	17.833	3.237	0.000	0.00325	16.45	ug/L
	B	11	61414.036	6.159	0.057	51.01257	6.09	ug/L
	Al	27	20984.911	1.826	-0.010	-0.90235	4.60	ug/L
>	Sc	45	1024769.326	0.479	1024769.326			ug/L
	Ti	47	1283.779	12.272	0.001	0.64888	19.47	ug/L
	V	51	921.178	377.069	-0.007	-0.45413	46.56	ug/L
	Cr	52	31962.617	1.616	0.005	0.35790	8.92	ug/L
	Mn	55	111412.646	0.647	0.107	4.96752	0.48	ug/L
	Co	59	643.031	4.199	0.001	0.03546	5.10	ug/L
	Ni	60	767.509	2.947	0.001	0.18085	3.91	ug/L
	Cu	63	3700.192	1.831	0.012	0.43970	4.05	ug/L
	Cu	65	1984.070	1.143	0.006	0.46497	1.79	ug/L
	Zn	66	5811.693	0.866	0.017	2.04811	1.55	ug/L
	Zn	67	10237.118	0.979	0.012	8.27943	8.90	ug/L
	Zn	68	5840.880	1.022	0.016	2.83725	2.74	ug/L
>	Ge	72	274117.022	2.046	274117.022			ug/L
	As	75	-94.064	88.938	0.002	0.21684	16.96	ug/L
	Se	82	150.840	13.969	0.000	0.27687	34.91	ug/L
	Sr	88	4617804.058	1.235	16.850	165.93703	2.84	ug/L
	Mo	95	10802.994	11.368	0.039	2.58291	12.22	ug/L
	Mo	98	17276.392	11.917	0.062	2.59331	12.66	ug/L
	Ag	107	53.334	18.403	0.000	0.00069	122.42	ug/L
	Cd	111	64.084	15.964	-0.000	-0.00238	156.53	ug/L
	Cd	114	62.475	25.478	-0.000	-0.00169	144.43	ug/L
>	In	115	265898.262	0.466	265898.262			ug/L
	Sn	118	11812.105	33.410	0.040	1.31228	36.84	ug/L
	Sb	121	1021.075	20.568	0.003	0.10407	23.75	ug/L
	Sb	123	828.885	20.173	0.003	0.10875	23.48	ug/L
	Ba	135	64654.748	2.052	0.180	25.92622	2.04	ug/L
	Ba	137	113744.280	1.700	0.316	26.17344	2.01	ug/L
>	Tb	159	359734.124	0.524	359734.124			ug/L
	Hg	202	159.402	2.173	0.000	0.03859	2.73	ug/L
	Tl	205	18069.985	30.794	0.049	0.60580	31.88	ug/L
	Pb	208	3343.629	7.919	0.007	0.06835	9.50	ug/L

⌈	Na	23	49708832.088	0.835	48.466	4170.21492	0.56	ug/L
|	Mg	24	71321200.065	1.118	69.590	9124.17383	0.64	ug/L
|	K	39	7880253.722	1.355	6.769	439.55279	1.12	ug/L
|	Ca	43	506229.030	1.061	0.493	17057.08200	0.73	ug/L
|	Fe	54	545706.196	0.709	0.478	463.96434	0.76	ug/L
|	Fe	57	229084.706	1.175	0.212	498.38079	0.76	ug/L
⌊>	Sc-1	45	1024769.326	0.479	1024769.326			ug/L
	Kr	83	164.670	5.772	-8.000			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		95.319			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		94.007			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		92.825			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		93.908			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		95.319			
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCV

Sample Date/Time: Thursday, October 04, 2007 19:33:34
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\CCV.073
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	47191.753	0.881	0.044	45.50199	0.46	ug/L
	B	11	117357.569	1.643	0.106	95.16858	2.08	ug/L
	Al	27	620982.241	1.533	0.547	48.30123	1.30	ug/L
>	Sc	45	1074196.035	0.751	1074196.035			ug/L
	Ti	47	61721.026	1.103	0.057	48.18934	1.35	ug/L
	V	51	822090.036	2.001	0.757	47.22874	2.78	ug/L
	Cr	52	714431.758	1.030	0.639	46.95419	0.90	ug/L
	Mn	55	1095987.625	1.048	1.019	47.28394	0.80	ug/L
	Co	59	827464.154	1.395	0.770	47.74340	1.02	ug/L
	Ni	60	171322.511	0.761	0.159	46.34643	0.52	ug/L
	Cu	63	377309.146	1.238	1.372	48.31163	1.10	ug/L
	Cu	65	177692.814	1.101	0.646	47.26580	1.87	ug/L
	Zn	66	105062.491	0.653	0.378	46.84580	1.45	ug/L
	Zn	67	26343.073	0.643	0.070	49.54827	1.87	ug/L
	Zn	68	75482.162	0.853	0.270	47.31437	1.62	ug/L
>	Ge	72	274735.698	0.787	274735.698			ug/L
	As	75	108665.964	0.539	0.398	49.17709	0.25	ug/L
	Se	82	11409.604	0.566	0.041	48.63093	0.22	ug/L
	Sr	88	1351016.402	0.749	4.916	48.40774	0.14	ug/L
	Mo	95	205673.913	0.809	0.748	50.01878	1.01	ug/L
	Mo	98	326404.763	1.421	1.187	49.78040	1.90	ug/L
	Ag	107	578846.004	0.953	2.201	49.11115	0.92	ug/L
	Cd	111	135214.916	0.567	0.514	48.78957	1.11	ug/L
	Cd	114	317022.743	0.725	1.205	48.87242	0.81	ug/L
>	In	115	263020.506	1.007	263020.506			ug/L
	Sn	118	407414.084	0.624	1.545	50.32280	0.92	ug/L
	Sb	121	441450.724	0.332	1.678	52.53239	1.32	ug/L
	Sb	123	339228.115	0.510	1.289	52.30410	0.55	ug/L
	Ba	135	120980.278	1.321	0.343	49.51252	0.56	ug/L
	Ba	137	213724.291	1.058	0.606	50.19470	1.96	ug/L
>	Tb	159	352630.359	1.648	352630.359			ug/L
	Hg	202	7647.441	0.489	0.022	2.38455	1.20	ug/L
	Tl	205	1365891.505	1.160	3.872	48.35965	1.17	ug/L
	Pb	208	1805162.073	0.972	5.117	48.25885	0.77	ug/L

⌈	Na	23	49301798.641	0.690	45.856	3945.60996	0.30	ug/L
|	Mg	24	32159335.459	0.566	29.933	3924.61785	0.61	ug/L
|	K	39	64296166.489	0.327	58.936	3826.84951	0.47	ug/L
|	Ca	43	122504.038	0.353	0.113	3910.20822	0.59	ug/L
|	Fe	54	4328347.331	0.536	3.975	3859.28451	0.63	ug/L
|	Fe	57	1763736.912	0.840	1.630	3837.40048	0.87	ug/L
⌊>	Sc-1	45	1074196.035	0.751	1074196.035			ug/L
	Kr	83	135.002	8.543	-37.668			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		99.917			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		94.219			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		91.820			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		92.053			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		99.917			
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCB

Sample Date/Time: Thursday, October 04, 2007 19:39:51
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\elandata\Dataset\100407\CCB.074
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	15.167	34.628	0.000	0.00030	1767.10	ug/L
	B	11	6936.917	12.750	0.004	3.34014	22.96	ug/L
	Al	27	31728.345	0.402	-0.000	-0.02377	55.08	ug/L
>	Sc	45	1042471.698	0.137	1042471.698			ug/L
	Ti	47	531.022	6.062	0.000	0.02041	126.85	ug/L
	V	51	417.985	219.831	-0.008	-0.48546	11.32	ug/L
	Cr	52	24335.980	2.553	-0.003	-0.21879	19.66	ug/L
	Mn	55	1990.255	1.050	0.000	0.00921	11.42	ug/L
	Co	59	99.335	9.778	0.000	0.00247	23.56	ug/L
	Ni	60	86.796	2.562	-0.000	-0.01276	5.09	ug/L
	Cu	63	271.007	1.845	-0.000	-0.00207	35.74	ug/L
	Cu	65	213.003	4.011	-0.000	-0.00974	25.31	ug/L
	Zn	66	1157.580	1.102	-0.001	-0.07498	9.62	ug/L
	Zn	67	8833.846	0.543	0.006	3.91767	5.15	ug/L
	Zn	68	1442.958	2.863	-0.000	-0.00924	336.94	ug/L
>	Ge	72	283388.094	0.653	283388.094			ug/L
	As	75	-606.807	37.434	-0.000	-0.00562	1742.79	ug/L
	Se	82	98.285	11.415	0.000	0.03603	129.55	ug/L
	Sr	88	531.022	3.311	-0.000	-0.00037	196.29	ug/L
	Mo	95	775.190	19.624	0.002	0.12810	28.29	ug/L
	Mo	98	1266.099	21.928	0.003	0.13571	30.47	ug/L
	Ag	107	69.334	13.087	0.000	0.00182	40.96	ug/L
	Cd	111	49.394	10.437	-0.000	-0.00825	22.42	ug/L
	Cd	114	51.172	23.476	-0.000	-0.00369	48.28	ug/L
>	In	115	275623.540	0.591	275623.540			ug/L
	Sn	118	2839.184	13.062	0.006	0.20094	21.36	ug/L
	Sb	121	544.690	16.143	0.001	0.04571	21.40	ug/L
	Sb	123	419.726	15.537	0.001	0.04405	21.29	ug/L
	Ba	135	57.167	14.247	-0.000	-0.00048	606.35	ug/L
	Ba	137	92.335	21.287	0.000	0.00169	245.70	ug/L
>	Tb	159	363233.134	1.719	363233.134			ug/L
	Hg	202	157.135	4.805	0.000	0.03746	8.12	ug/L
	Tl	205	4579.008	21.230	0.011	0.13614	26.25	ug/L
	Pb	208	648.683	4.812	-0.000	-0.00243	39.80	ug/L

⌈	Na	23	38521.217	0.897	-0.004	-0.32595	8.99	ug/L
|	Mg	24	3870.609	9.415	-0.002	-0.22476	20.46	ug/L
|	K	39	934893.563	0.544	-0.023	-1.51821	17.45	ug/L
|	Ca	43	1281.765	2.100	0.000	6.51029	12.90	ug/L
|	Fe	54	59370.509	2.404	0.002	2.21916	62.87	ug/L
|	Fe	57	12801.662	2.215	0.000	1.05449	63.82	ug/L
⌊>	Sc-1	45	1042471.698	0.137	1042471.698			ug/L
	Kr	83	155.003	6.797	-17.667			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		96.966			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		97.186			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		96.220			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		94.821			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		96.966			
	Kr	83					

Calibration Report

Analyte	Mass	Curve Type	Slope	Intercept	Corr Coeff
Be	9.012	Linear Thru Zero	0.000965	0.000	0.999987
B	11.009	Linear Thru Zero	0.001117	0.000	0.999971
Al	26.982	Linear Thru Zero	0.011333	0.000	0.999985
Sc	44.956	Linear Thru Zero	0.000000	0.000	0.000000
Ti	46.952	Linear Thru Zero	0.001182	0.000	1.000000
V	50.944	Linear Thru Zero	0.016033	0.000	0.999977
Cr	51.941	Linear Thru Zero	0.013604	0.000	0.999958
Mn	54.938	Linear Thru Zero	0.021542	0.000	0.999990
Co	58.933	Linear Thru Zero	0.016133	0.000	0.999975
Ni	59.933	Linear Thru Zero	0.003439	0.000	0.999993
Cu	62.930	Linear Thru Zero	0.028406	0.000	0.999990
Cu	64.928	Linear Thru Zero	0.013666	0.000	1.000000
Zn	65.926	Linear Thru Zero	0.008064	0.000	0.999933
Zn	66.927	Linear Thru Zero	0.001418	0.000	0.999048
Zn	67.925	Linear Thru Zero	0.005699	0.000	0.999924
Ge	71.922	Linear Thru Zero	0.000000	0.000	0.000000
As	74.922	Linear Thru Zero	0.008086	0.000	0.999998
Se	81.917	Linear Thru Zero	0.000847	0.000	0.999993
Sr	87.906	Linear Thru Zero	0.101546	0.000	1.000000
Mo	94.906	Linear Thru Zero	0.014951	0.000	0.999988
Mo	97.906	Linear Thru Zero	0.023843	0.000	0.999997
Ag	106.905	Linear Thru Zero	0.044810	0.000	0.999999
Cd	110.904	Linear Thru Zero	0.010532	0.000	0.999999
Cd	113.904	Linear Thru Zero	0.024658	0.000	0.999989
In	114.904	Linear Thru Zero	0.000000	0.000	0.000000
Sn	117.902	Linear Thru Zero	0.030700	0.000	0.999999
Sb	120.904	Linear Thru Zero	0.031943	0.000	0.999997
Sb	122.904	Linear Thru Zero	0.024651	0.000	0.999997
Ba	134.906	Linear Thru Zero	0.006926	0.000	0.999999
Ba	136.905	Linear Thru Zero	0.012072	0.000	0.999999
Tb	158.925	Linear Thru Zero	0.000000	0.000	0.000000
Hg	201.971	Linear Thru Zero	0.009057	0.000	0.999880
Tl	204.975	Linear Thru Zero	0.080068	0.000	0.999992
Pb	207.977	Linear Thru Zero	0.106043	0.000	0.999984
Na	22.990	Linear Thru Zero	0.011622	0.000	0.999987
Mg	23.985	Linear Thru Zero	0.007627	0.000	0.999990
K	38.964	Linear Thru Zero	0.015401	0.000	0.999994
Ca	42.959	Linear Thru Zero	0.000029	0.000	0.999964
Fe	53.940	Linear Thru Zero	0.001030	0.000	0.999986
Fe	56.935	Linear Thru Zero	0.000425	0.000	0.999994
Sc-1	44.956	Linear Thru Zero	0.000000	0.000	0.000000
Kr	82.914	Linear Thru Zero	0.000000	0.000	0.000000

Instrument Tuning Report

File Name: 200.8 Tuning.tun
File Path: C:\elandata\Tuning\200.8 Tuning.tun

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
He	3.016	2.976	598	2078	0.665	
Be	9.012	9.028	2054	2080	0.620	
Mg	23.985	23.979	5677	2088	0.642	
Co	58.933	58.929	14162	2128	0.645	
Rh	102.905	102.929	24855	2192	0.637	
In	114.904	114.879	27762	2211	0.640	
Pb	207.977	207.974	50413	2336	0.646	

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Friday, October 05, 2007 11:10:55
Sample Description:
Method File: C:\elandata\Method\EPA200 DAILY SA.mth
Dataset File: C:\elandata\Dataset\Daily Performance\Sample.609
Tuning File: C:\elandata\Tuning\200.8 Tuning.tun
Optimization File: C:\elandata\Optimize\EPA6020.dac
Dual Detector Mode: Dual
Acq. Dead Time(ns): 60
Current Dead Time (ns): 60

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Be	9.0	8734.6	8734.650	178.341	2.0
	Mg	24.0	122256.7	122256.667	1121.752	0.9
	Rh	102.9	333469.4	333469.399	2458.567	0.7
	In	114.9	412129.3	412129.269	1765.843	0.4
	Pb	208.0	225074.7	225074.706	1330.685	0.6
⌈>	Ba	137.9	341946.8	341946.810	3295.697	1.0
⌊	Ba++	69.0	5545.4	0.016	0.000	3.1
⌈>	Ce	139.9	412540.1	412540.083	2663.222	0.6
⌊	CeO	155.9	12460.8	0.030	0.000	0.7
	Bkgd	220.0	8.8	8.801	3.963	45.0

Current Optimization File Data

Current Value	Description
0.92	Nebulizer Gas Flow
7.50	Lens Voltage
1000.00	ICP RF Power
-1895.00	Analog Stage Voltage
895.00	Pulse Stage Voltage
17.00	Discriminator Threshold
-1.00	AC Rod Offset

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	21	5.5	12287.6
Co	59	21	6.5	221475.5
In	115	21	7.3	444893.0
Pb	208	21	9.0	283945.5

Internal Standard Test Report

Sample ID: Sample

Sample Date/Time: Friday, October 05, 2007 11:33:41
Sample Description:
Number of Replicates: 10
Dual Detector Mode: Dual
Sample File: C:\elandata\Sample\Stability.sam
Method File: C:\elandata\Method\epa 6020 INT STD test.mth
Dataset File: C:\elandata\Dataset\Stability\Sample.587
Tuning File: c:\elandata\tuning\200.8 tuning.tun
Optimization File: C:\elandata\Optimize\EPA6020.dac
Autosampler Position:

Intensity Results

Analyte	Mass	Int. Mean	Meas. Intens. SD	Int. RSD
Sc	45	966496	11265.911	1.2
Ge	72	288870	2017.491	0.7
In	115	272626	3563.475	1.3
Tb	159	348191	4073.124	1.2

Method 6020 - Summary Report

Sample ID: 0

Sample Date/Time: Friday, October 05, 2007 11:59:18
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\0.001
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌈	Be	9	13.000	23.395				ug/L
|	B	11	2518.047	2.250				ug/L
|	Al	27	27160.655	4.937				ug/L
| >	Sc	45	916818.105	1.852				ug/L
|	Ti	47	545.023	7.669				ug/L
|	V	51	-18572.508	20.642				ug/L
|	Cr	52	26743.802	0.869				ug/L
|	Mn	55	1529.613	3.315				ug/L
|	Co	59	54.334	18.064				ug/L
⌊	Ni	60	101.130	5.019				ug/L
⌈	Cu	63	330.343	12.607				ug/L
|	Cu	65	220.336	4.290				ug/L
|	Zn	66	1169.415	3.618				ug/L
|	Zn	67	8584.588	2.197				ug/L
|	Zn	68	1415.787	1.912				ug/L
| >	Ge	72	259658.250	0.847				ug/L
|	As	75	-145.490	89.946				ug/L
|	Se	82	68.876	5.041				ug/L
|	Sr	88	489.353	6.655				ug/L
|	Mo	95	127.428	13.301				ug/L
⌊	Mo	98	194.002	4.258				ug/L
⌈	Ag	107	37.334	8.183				ug/L
|	Cd	111	69.266	10.087				ug/L
|	Cd	114	53.289	8.268				ug/L
| >	In	115	255477.436	1.294				ug/L
|	Sn	118	722.372	3.813				ug/L
|	Sb	121	75.334	9.785				ug/L
⌊	Sb	123	67.378	12.452				ug/L
⌈	Ba	135	52.167	8.906				ug/L
|	Ba	137	65.668	12.214				ug/L
| >	Tb	159	330542.654	0.973				ug/L
|	Hg	202	23.400	2.564				ug/L
|	Tl	205	697.036	4.510				ug/L
⌊	Pb	208	592.347	2.557				ug/L

⌈	Na	23	28089.213	1.350	ug/L
|	Mg	24	4793.093	1.334	ug/L
|	K	39	852706.449	0.601	ug/L
|	Ca	43	1148.246	1.515	ug/L
|	Fe	54	50097.018	2.983	ug/L
|	Fe	57	10312.046	2.502	ug/L
⌊>	Sc-1	45	916818.105	1.852	ug/L
	Kr	83	157.003	3.874	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Be	9					
|	B	11					
|	Al	27					
|>	Sc	45					
|	Ti	47					
|	V	51					
|	Cr	52					
|	Mn	55					
|	Co	59					
⌊	Ni	60					
⌈	Cu	63					
|	Cu	65					
|	Zn	66					
|	Zn	67					
|	Zn	68					
|>	Ge	72					
|	As	75					
|	Se	82					
|	Sr	88					
|	Mo	95					
⌊	Mo	98					
⌈	Ag	107					
|	Cd	111					
|	Cd	114					
|>	In	115					
|	Sn	118					
|	Sb	121					
⌊	Sb	123					
⌈	Ba	135					
|	Ba	137					
|>	Tb	159					
|	Hg	202					
|	Tl	205					
⌊	Pb	208					
⌈	Na	23					
|	Mg	24					
|	K	39					
|	Ca	43					
|	Fe	54					
|	Fe	57					
⌊>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: .2

Sample Date/Time: Friday, October 05, 2007 12:05:27
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\.2.002
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌜	Be	9	185.335	3.008	0.000	0.20000	3.83	ug/L
|	B	11	2695.436	0.814	0.000			ug/L
|	Al	27	28382.067	0.780	0.002			ug/L
| >	Sc	45	911185.525	1.067	911185.525			ug/L
|	Ti	47	785.378	1.662	0.000	0.20000	5.64	ug/L
|	V	51	-9273.511	9.763	0.010	0.20000	10.81	ug/L
|	Cr	52	29947.342	0.729	0.004	0.20000	3.96	ug/L
|	Mn	55	5646.717	1.595	0.005	0.20000	2.22	ug/L
|	Co	59	3272.675	1.469	0.004	0.20000	1.01	ug/L
⌞	Ni	60	753.816	1.635	0.001	0.20000	1.75	ug/L
⌜	Cu	63	1881.898	2.793	0.006	0.20000	3.81	ug/L
|	Cu	65	944.554	2.086	0.003	0.20000	2.85	ug/L
|	Zn	66	1812.530	2.014	0.003	0.20000	4.34	ug/L
|	Zn	67	9050.913	0.793	0.002	0.20000	12.26	ug/L
|	Zn	68	1909.886	1.884	0.002	0.20000	8.70	ug/L
| >	Ge	72	257808.661	0.524	257808.661			ug/L
|	As	75	153.933	26.550	0.001	0.20000	13.68	ug/L
|	Se	82	117.036	7.547	0.000	0.20000	19.45	ug/L
|	Sr	88	5486.527	1.505	0.019	0.20000	2.16	ug/L
|	Mo	95	874.231	3.112	0.003	0.20000	4.22	ug/L
⌞	Mo	98	1373.447	1.033	0.005	0.20000	1.34	ug/L
⌜	Ag	107	2254.661	4.242	0.009	0.20000	4.05	ug/L
|	Cd	111	606.959	0.304	0.002	0.20000	0.64	ug/L
|	Cd	114	1306.874	3.634	0.005	0.20000	3.67	ug/L
| >	In	115	248918.165	0.478	248918.165			ug/L
|	Sn	118	2196.312	3.495	0.006	0.20000	5.66	ug/L
|	Sb	121	1772.206	0.933	0.007	0.20000	1.46	ug/L
⌞	Sb	123	1383.772	0.924	0.005	0.20000	0.82	ug/L
⌜	Ba	135	536.017	0.485	0.001	0.20000	1.84	ug/L
|	Ba	137	916.726	0.826	0.003	0.20000	1.85	ug/L
| >	Tb	159	328463.997	2.163	328463.997			ug/L
|	Hg	202	89.334	4.378	0.000	0.04000	3.40	ug/L
|	Tl	205	5520.884	1.444	0.015	0.20000	2.51	ug/L
⌞	Pb	208	7700.123	1.931	0.022	0.20000	4.37	ug/L

⌈	Na	23	29566.992	1.046	0.002	ug/L
|	Mg	24	3855.597	2.040	-0.001	ug/L
|	K	39	847567.035	0.722	0.000	ug/L
|	Ca	43	1220.589	3.143	0.000	ug/L
|	Fe	54	50887.074	1.350	0.001	ug/L
|	Fe	57	10277.001	1.755	0.000	ug/L
⌊>	Sc-1	45	911185.525	1.067	911185.525	ug/L
	Kr	83	154.670	10.767	-2.333	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45					
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159					
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: 1

Sample Date/Time: Friday, October 05, 2007 12:11:49
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\1.003
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌜	Be	9	894.548	3.304	0.001	1.00098	3.28	ug/L
|	B	11	3289.316	1.012	0.001	1.00000	4.53	ug/L
|	Al	27	35541.902	1.513	0.010	1.00000	6.11	ug/L
| >	Sc	45	908010.243	0.113	908010.243			ug/L
|	Ti	47	1678.519	2.413	0.001	0.99745	3.52	ug/L
|	V	51	-1219.567	72.968	0.019	0.93988	5.19	ug/L
|	Cr	52	40939.330	0.512	0.016	0.99383	1.54	ug/L
|	Mn	55	28276.874	0.715	0.029	1.00899	0.64	ug/L
|	Co	59	15973.455	1.182	0.018	0.99972	1.28	ug/L
⌞	Ni	60	3452.430	1.000	0.004	1.00111	1.13	ug/L
⌜	Cu	63	8003.589	1.027	0.030	0.99981	1.00	ug/L
|	Cu	65	3837.050	1.847	0.014	1.00017	2.59	ug/L
|	Zn	66	5379.569	1.433	0.017	1.00911	2.55	ug/L
|	Zn	67	9897.709	1.441	0.006	0.96917	11.26	ug/L
|	Zn	68	4537.735	0.768	0.012	1.00787	1.95	ug/L
| >	Ge	72	256024.220	0.597	256024.220			ug/L
|	As	75	1935.757	1.412	0.008	1.01118	0.82	ug/L
|	Se	82	288.478	3.277	0.001	0.99632	3.54	ug/L
|	Sr	88	25515.591	0.310	0.098	1.00031	0.77	ug/L
|	Mo	95	3772.169	0.411	0.014	0.99930	0.34	ug/L
⌞	Mo	98	6129.420	0.996	0.023	1.00048	0.50	ug/L
⌜	Ag	107	11131.210	2.181	0.044	0.99981	2.08	ug/L
|	Cd	111	2710.381	1.079	0.011	0.99900	2.28	ug/L
|	Cd	114	6231.074	1.813	0.025	0.99920	1.57	ug/L
| >	In	115	250238.013	1.147	250238.013			ug/L
|	Sn	118	8492.744	0.564	0.031	1.00140	0.64	ug/L
|	Sb	121	8538.791	0.488	0.034	0.99967	1.64	ug/L
⌞	Sb	123	6582.346	0.919	0.026	0.99936	1.69	ug/L
⌜	Ba	135	2410.182	1.897	0.007	0.99863	0.18	ug/L
|	Ba	137	4078.039	2.595	0.012	0.99730	2.25	ug/L
| >	Tb	159	331279.407	1.837	331279.407			ug/L
|	Hg	202	614.223	2.317	0.002	0.20341	0.82	ug/L
|	Tl	205	24706.819	0.446	0.072	0.99946	2.17	ug/L
⌞	Pb	208	34206.908	0.426	0.101	0.99741	1.42	ug/L

⌈	Na	23	44009.343	0.217	0.018	ug/L
|	Mg	24	10461.334	1.152	0.006	ug/L
|	K	39	878764.518	1.035	0.038	ug/L
|	Ca	43	1314.604	2.274	0.000	ug/L
|	Fe	54	51748.288	0.605	0.002	ug/L
|	Fe	57	11088.706	0.559	0.001	ug/L
⌊>	Sc-1	45	908010.243	0.113	908010.243	ug/L
	Kr	83	138.669	4.347	-18.334	ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Be	9					
|	B	11					
|	Al	27					
|>	Sc	45					
|	Ti	47					
|	V	51					
|	Cr	52					
|	Mn	55					
|	Co	59					
⌊	Ni	60					
⌈	Cu	63					
|	Cu	65					
|	Zn	66					
|	Zn	67					
|	Zn	68					
|>	Ge	72					
|	As	75					
|	Se	82					
|	Sr	88					
|	Mo	95					
⌊	Mo	98					
⌈	Ag	107					
|	Cd	111					
|	Cd	114					
|>	In	115					
|	Sn	118					
|	Sb	121					
⌊	Sb	123					
⌈	Ba	135					
|	Ba	137					
|>	Tb	159					
|	Hg	202					
|	Tl	205					
⌊	Pb	208					
⌈	Na	23					
|	Mg	24					
|	K	39					
|	Ca	43					
|	Fe	54					
|	Fe	57					
⌊>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: 20

Sample Date/Time: Friday, October 05, 2007 12:18:10
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\20.004
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	17005.334	0.779	0.019	19.99887	3.99	ug/L
	B	11	21991.649	1.204	0.022	20.00985	4.95	ug/L
	Al	27	228311.648	0.605	0.226	20.00778	4.72	ug/L
>	Sc	45	895744.624	3.515	895744.624			ug/L
	Ti	47	22173.015	0.473	0.024	19.99792	3.17	ug/L
	V	51	273167.855	0.751	0.325	19.98774	3.56	ug/L
	Cr	52	281765.723	0.709	0.286	19.99371	4.05	ug/L
	Mn	55	405967.492	1.228	0.452	19.98481	2.34	ug/L
	Co	59	315233.178	0.543	0.352	20.00021	4.11	ug/L
	Ni	60	66187.092	0.223	0.074	20.00006	3.55	ug/L
	Cu	63	147014.427	1.465	0.569	19.99714	0.45	ug/L
	Cu	65	70380.293	0.585	0.272	19.99794	0.59	ug/L
	Zn	66	42383.846	0.562	0.160	19.94580	0.55	ug/L
	Zn	67	16296.253	0.989	0.030	19.85388	1.24	ug/L
	Zn	68	30606.437	0.535	0.113	19.94046	1.49	ug/L
>	Ge	72	257988.895	1.017	257988.895			ug/L
	As	75	40540.450	0.272	0.158	19.99904	0.90	ug/L
	Se	82	4330.109	0.517	0.017	19.99758	1.55	ug/L
	Sr	88	488798.369	1.942	1.893	19.99829	0.99	ug/L
	Mo	95	72953.477	0.372	0.282	19.99949	1.12	ug/L
	Mo	98	117408.336	0.850	0.454	19.99894	0.52	ug/L
	Ag	107	214868.553	1.178	0.871	19.99904	0.81	ug/L
	Cd	111	51131.855	0.500	0.207	19.99889	0.34	ug/L
	Cd	114	123189.123	1.411	0.499	20.00051	0.88	ug/L
>	In	115	246684.316	0.531	246684.316			ug/L
	Sn	118	151728.071	0.930	0.612	19.99923	1.21	ug/L
	Sb	121	157489.159	1.931	0.638	19.99686	2.46	ug/L
	Sb	123	121033.776	2.981	0.490	19.99675	3.50	ug/L
	Ba	135	45863.361	0.315	0.141	19.99940	1.59	ug/L
	Ba	137	78761.597	1.047	0.242	19.99982	0.47	ug/L
>	Tb	159	325150.744	1.496	325150.744			ug/L
	Hg	202	5712.891	1.177	0.018	1.99996	2.18	ug/L
	Tl	205	471382.628	0.621	1.448	19.99990	1.66	ug/L
	Pb	208	657912.361	0.538	2.022	19.99967	2.05	ug/L

⌈	Na	23	245432.620	0.620	0.244	20.00000	4.37	ug/L
|	Mg	24	145510.652	1.288	0.157	20.00000	3.68	ug/L
|	K	39	1134963.001	0.353	0.338	20.00000	12.23	ug/L
|	Ca	43	2034.582	1.478	0.001	20.00000	7.56	ug/L
|	Fe	54	72490.867	0.548	0.026	20.00000	11.89	ug/L
|	Fe	57	18652.688	1.459	0.010	20.00000	6.13	ug/L
⌊>	Sc-1	45	895744.624	3.515	895744.624			ug/L
	Kr	83	148.336	25.903	-8.667			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Be	9					
|	B	11					
|	Al	27					
|>	Sc	45					
|	Ti	47					
|	V	51					
|	Cr	52					
|	Mn	55					
|	Co	59					
⌊	Ni	60					
⌈	Cu	63					
|	Cu	65					
|	Zn	66					
|	Zn	67					
|	Zn	68					
|>	Ge	72					
|	As	75					
|	Se	82					
|	Sr	88					
|	Mo	95					
⌊	Mo	98					
⌈	Ag	107					
|	Cd	111					
|	Cd	114					
|>	In	115					
|	Sn	118					
|	Sb	121					
⌊	Sb	123					
⌈	Ba	135					
|	Ba	137					
|>	Tb	159					
|	Hg	202					
|	Tl	205					
⌊	Pb	208					
⌈	Na	23					
|	Mg	24					
|	K	39					
|	Ca	43					
|	Fe	54					
|	Fe	57					
⌊>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: 100

Sample Date/Time: Friday, October 05, 2007 12:24:33
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\100.005
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	84129.871	0.037	0.094	99.96398	1.50	ug/L
	B	11	97829.616	1.288	0.107	99.91166	1.55	ug/L
	Al	27	1039804.268	1.528	1.133	100.02006	0.85	ug/L
>	Sc	45	894377.387	1.519	894377.387			ug/L
	Ti	47	106752.483	0.425	0.119	99.93151	1.85	ug/L
	V	51	1422934.801	0.681	1.611	99.95935	1.36	ug/L
	Cr	52	1279467.131	0.481	1.402	99.92528	1.10	ug/L
	Mn	55	1976721.208	1.059	2.209	99.90913	0.46	ug/L
	Co	59	1541264.291	0.422	1.723	99.91608	1.37	ug/L
	Ni	60	325753.225	0.399	0.364	99.94654	1.16	ug/L
	Cu	63	720203.158	1.168	2.839	99.99368	2.01	ug/L
	Cu	65	341541.190	0.931	1.346	99.95962	1.80	ug/L
	Zn	66	199480.804	1.000	0.782	99.90607	1.66	ug/L
	Zn	67	42896.959	0.285	0.136	99.56097	1.41	ug/L
	Zn	68	142941.519	0.294	0.558	99.93440	1.24	ug/L
>	Ge	72	253639.688	0.971	253639.688			ug/L
	As	75	197134.893	0.517	0.778	99.94684	1.47	ug/L
	Se	82	20665.704	0.604	0.081	99.93389	1.54	ug/L
	Sr	88	2431328.510	0.580	9.584	100.04833	0.51	ug/L
	Mo	95	360640.653	1.210	1.422	100.02711	2.14	ug/L
	Mo	98	579048.216	0.772	2.282	100.01769	1.25	ug/L
	Ag	107	1044267.835	0.471	4.312	99.96194	0.74	ug/L
	Cd	111	252723.163	0.297	1.043	100.03044	1.00	ug/L
	Cd	114	599786.588	0.650	2.477	99.97024	1.35	ug/L
>	In	115	242184.510	1.174	242184.510			ug/L
	Sn	118	749100.628	0.672	3.091	100.03637	1.36	ug/L
	Sb	121	775290.187	1.828	3.202	100.01235	2.98	ug/L
	Sb	123	603309.408	2.323	2.492	100.06027	3.47	ug/L
	Ba	135	225203.210	1.220	0.697	99.95971	4.77	ug/L
	Ba	137	390262.405	0.319	1.208	99.99315	3.37	ug/L
>	Tb	159	323241.061	3.466	323241.061			ug/L
	Hg	202	13577.519	0.740	0.042	4.97061	4.18	ug/L
	Tl	205	2450382.176	0.255	7.585	100.17615	3.79	ug/L
	Pb	208	3200840.982	1.041	9.906	99.92063	2.49	ug/L

⌈	Na	23	1105402.025	0.750	1.206	99.96011	1.93	ug/L
|	Mg	24	714735.790	0.291	0.794	100.03532	1.30	ug/L
|	K	39	2243327.022	0.509	1.579	99.73008	3.21	ug/L
|	Ca	43	5138.584	1.832	0.004	99.48048	1.38	ug/L
|	Fe	54	159104.313	1.130	0.123	99.73571	3.81	ug/L
|	Fe	57	51123.172	0.545	0.046	99.83075	1.42	ug/L
⌊>	Sc-1	45	894377.387	1.519	894377.387			ug/L
	Kr	83	141.669	4.313	-15.334			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45					
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72					
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115					
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159					
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: 1000

Sample Date/Time: Friday, October 05, 2007 12:30:56
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\1000.006
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	21.167	17.412	0.000	0.00945	42.86	ug/L
	B	11	5312.880	13.294	0.003	2.86255	27.26	ug/L
	Al	27	26744.599	1.749	-0.000	-0.03963	57.19	ug/L
>	Sc	45	916634.389	1.145	916634.389			ug/L
	Ti	47	701.703	3.796	0.000	0.14412	21.70	ug/L
	V	51	-7508.886	88.659	0.012	0.75159	58.84	ug/L
	Cr	52	25105.380	1.554	-0.002	-0.12662	41.31	ug/L
	Mn	55	2923.014	1.111	0.002	0.06878	1.21	ug/L
	Co	59	637.364	4.626	0.001	0.03687	4.48	ug/L
	Ni	60	192.657	4.519	0.000	0.02741	9.39	ug/L
	Cu	63	639.364	2.197	0.001	0.04242	4.28	ug/L
	Cu	65	305.006	2.955	0.000	0.02472	9.88	ug/L
	Zn	66	1710.509	2.262	0.002	0.27110	8.11	ug/L
	Zn	67	9305.526	1.151	0.003	2.18122	3.90	ug/L
	Zn	68	1824.366	2.182	0.002	0.28882	4.57	ug/L
>	Ge	72	258184.714	1.175	258184.714			ug/L
	As	75	-224.833	40.574	-0.000	-0.03968	111.64	ug/L
	Se	82	89.887	8.412	0.000	0.10182	32.05	ug/L
	Sr	88	1408.133	4.791	0.004	0.03728	8.54	ug/L
	Mo	95	976.452	34.865	0.003	0.23148	40.00	ug/L
	Mo	98	1557.492	36.423	0.005	0.23138	41.39	ug/L
	Ag	107	163.003	9.037	0.000	0.01156	12.35	ug/L
	Cd	111	85.001	10.454	0.000	0.00623	51.84	ug/L
	Cd	114	120.634	8.555	0.000	0.01083	13.95	ug/L
>	In	115	252836.448	0.709	252836.448			ug/L
	Sn	118	3654.563	33.078	0.012	0.37610	40.95	ug/L
	Sb	121	11841.883	35.126	0.047	1.45300	35.21	ug/L
	Sb	123	9139.675	34.686	0.036	1.44022	34.78	ug/L
	Ba	135	80.000	8.750	0.000	0.01187	22.43	ug/L
	Ba	137	136.669	19.225	0.000	0.01756	35.24	ug/L
>	Tb	159	332314.484	1.039	332314.484			ug/L
	Hg	202	223.670	16.747	0.001	0.07142	19.83	ug/L
	Tl	205	2479.418	31.446	0.005	0.07089	45.15	ug/L
	Pb	208	1058.370	4.626	0.001	0.01406	12.29	ug/L

⌈	Na	23	10417347.601	0.430	11.335	999.34215	1.22	ug/L
|	Mg	24	7013356.148	1.468	7.647	999.60981	2.52	ug/L
|	K	39	14695225.343	0.827	15.102	999.50464	1.03	ug/L
|	Ca	43	28138.929	0.540	0.029	994.53723	1.69	ug/L
|	Fe	54	1070229.110	1.156	1.113	998.86137	1.45	ug/L
|	Fe	57	430399.844	1.479	0.458	999.96250	1.15	ug/L
⌊>	Sc-1	45	916634.389	1.145	916634.389			ug/L
	Kr	83	127.336	8.827	-29.667			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Be	9					
|	B	11					
|	Al	27					
|>	Sc	45					
|	Ti	47					
|	V	51					
|	Cr	52					
|	Mn	55					
|	Co	59					
⌊	Ni	60					
⌈	Cu	63					
|	Cu	65					
|	Zn	66					
|	Zn	67					
|	Zn	68					
|>	Ge	72					
|	As	75					
|	Se	82					
|	Sr	88					
|	Mo	95					
⌊	Mo	98					
⌈	Ag	107					
|	Cd	111					
|	Cd	114					
|>	In	115					
|	Sn	118					
|	Sb	121					
⌊	Sb	123					
⌈	Ba	135					
|	Ba	137					
|>	Tb	159					
|	Hg	202					
|	Tl	205					
⌊	Pb	208					
⌈	Na	23					
|	Mg	24					
|	K	39					
|	Ca	43					
|	Fe	54					
|	Fe	57					
⌊>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: 10000

Sample Date/Time: Friday, October 05, 2007 12:36:58
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\10000.007
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	12.833	8.998	-0.000	-0.00040	412.51	ug/L
	B	11	3391.858	3.953	0.001	0.83751	9.25	ug/L
	Al	27	34849.652	0.278	0.008	0.68849	11.39	ug/L
>	Sc	45	931575.909	2.485	931575.909			ug/L
	Ti	47	582.360	8.582	0.000	0.02534	132.22	ug/L
	V	51	-11251.400	27.995	0.008	0.50396	44.77	ug/L
	Cr	52	22296.956	3.015	-0.005	-0.37340	3.96	ug/L
	Mn	55	11034.942	1.424	0.010	0.46048	1.66	ug/L
	Co	59	3705.194	0.842	0.004	0.22722	1.95	ug/L
	Ni	60	880.285	7.165	0.001	0.22910	8.00	ug/L
	Cu	63	1783.542	1.300	0.006	0.20380	1.40	ug/L
	Cu	65	626.524	2.628	0.002	0.12112	4.64	ug/L
	Zn	66	2824.312	0.780	0.007	0.85237	0.97	ug/L
	Zn	67	8980.670	0.777	0.002	1.81126	9.26	ug/L
	Zn	68	2575.064	0.533	0.005	0.84818	1.74	ug/L
>	Ge	72	252715.526	0.420	252715.526			ug/L
	As	75	-183.320	59.107	-0.000	-0.02132	259.50	ug/L
	Se	82	83.813	11.226	0.000	0.08167	55.59	ug/L
	Sr	88	7744.007	0.748	0.029	0.30021	0.69	ug/L
	Mo	95	383.086	7.357	0.001	0.07214	11.18	ug/L
	Mo	98	621.690	10.423	0.002	0.07506	14.90	ug/L
	Ag	107	88.668	8.159	0.000	0.00526	13.55	ug/L
	Cd	111	60.842	12.841	-0.000	-0.00147	217.62	ug/L
	Cd	114	56.479	17.710	0.000	0.00117	146.71	ug/L
>	In	115	237841.630	0.320	237841.630			ug/L
	Sn	118	1498.151	12.986	0.003	0.11232	23.07	ug/L
	Sb	121	3688.865	14.643	0.015	0.47518	14.70	ug/L
	Sb	123	2867.827	13.561	0.012	0.47357	13.65	ug/L
	Ba	135	249.170	4.240	0.001	0.09036	5.64	ug/L
	Ba	137	438.683	7.289	0.001	0.09840	8.41	ug/L
>	Tb	159	316160.599	0.280	316160.599			ug/L
	Hg	202	163.202	10.469	0.000	0.05273	11.81	ug/L
	Tl	205	896.391	9.766	0.001	0.00959	37.47	ug/L
	Pb	208	2255.142	2.138	0.005	0.05387	2.95	ug/L

⌈	Na	23	101922436.561	1.490	109.445	9996.36284	3.78	ug/L
|	Mg	24	67369510.163	0.895	72.352	9994.26383	3.31	ug/L
|	K	39	136166199.207	2.040	145.342	9996.03906	4.41	ug/L
|	Ca	43	261209.115	0.733	0.279	9993.97881	3.19	ug/L
|	Fe	54	9822157.670	0.819	10.494	9993.81794	2.84	ug/L
|	Fe	57	4118378.274	0.992	4.412	9996.12215	3.39	ug/L
⌊>	Sc-1	45	931575.909	2.485	931575.909			ug/L
	Kr	83	136.002	4.473	-21.001			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Be	9					
|	B	11					
|	Al	27					
|>	Sc	45					
|	Ti	47					
|	V	51					
|	Cr	52					
|	Mn	55					
|	Co	59					
⌊	Ni	60					
⌈	Cu	63					
|	Cu	65					
|	Zn	66					
|	Zn	67					
|	Zn	68					
|>	Ge	72					
|	As	75					
|	Se	82					
|	Sr	88					
|	Mo	95					
⌊	Mo	98					
⌈	Ag	107					
|	Cd	111					
|	Cd	114					
|>	In	115					
|	Sn	118					
|	Sb	121					
⌊	Sb	123					
⌈	Ba	135					
|	Ba	137					
|>	Tb	159					
|	Hg	202					
|	Tl	205					
⌊	Pb	208					
⌈	Na	23					
|	Mg	24					
|	K	39					
|	Ca	43					
|	Fe	54					
|	Fe	57					
⌊>	Sc-1	45					
	Kr	83					

Method 6020 - Summary Report

Sample ID: ICV

Sample Date/Time: Friday, October 05, 2007 12:45:22
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\ICV.008
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	20958.825	0.954	0.022	23.75040	0.68	ug/L
	B	11	26691.685	1.525	0.026	24.10936	1.92	ug/L
	Al	27	324861.215	0.224	0.317	27.98567	0.83	ug/L
>	Sc	45	937199.033	0.541	937199.033			ug/L
	Ti	47	29169.922	0.453	0.031	25.68478	0.95	ug/L
	V	51	386617.405	2.824	0.433	26.84767	2.95	ug/L
	Cr	52	357204.031	0.740	0.352	25.09484	1.12	ug/L
	Mn	55	524279.890	0.536	0.558	25.23078	0.75	ug/L
	Co	59	412980.029	0.668	0.441	25.54306	0.16	ug/L
	Ni	60	85688.350	1.601	0.091	25.06282	1.06	ug/L
	Cu	63	187239.362	1.640	0.724	25.51947	3.22	ug/L
	Cu	65	89550.772	0.722	0.346	25.71129	1.86	ug/L
	Zn	66	54710.680	0.654	0.208	26.50955	1.85	ug/L
	Zn	67	18529.077	0.549	0.039	28.34371	2.50	ug/L
	Zn	68	39521.665	0.608	0.148	26.44527	1.92	ug/L
>	Ge	72	258100.889	1.666	258100.889			ug/L
	As	75	52325.261	0.511	0.203	26.12701	2.10	ug/L
	Se	82	5597.845	0.078	0.021	26.36485	1.76	ug/L
	Sr	88	620676.186	2.265	2.404	25.09113	3.34	ug/L
	Mo	95	96503.023	0.944	0.374	26.28202	2.63	ug/L
	Mo	98	154012.085	1.035	0.596	26.12422	2.68	ug/L
	Ag	107	272043.311	0.760	1.083	25.09801	1.05	ug/L
	Cd	111	64440.644	1.056	0.256	24.56526	1.45	ug/L
	Cd	114	153293.424	0.492	0.610	24.61991	0.61	ug/L
>	In	115	251252.298	0.473	251252.298			ug/L
	Sn	118	195773.366	1.051	0.776	25.12999	1.15	ug/L
	Sb	121	216093.943	1.081	0.860	26.85765	1.23	ug/L
	Sb	123	166721.357	0.115	0.663	26.63862	0.36	ug/L
	Ba	135	58021.976	1.133	0.178	25.56692	1.89	ug/L
	Ba	137	100339.816	0.636	0.308	25.53451	1.32	ug/L
>	Tb	159	325064.175	0.827	325064.175			ug/L
	Hg	202	3472.790	0.600	0.011	1.25678	0.43	ug/L
	Tl	205	612271.562	0.249	1.881	24.84851	0.63	ug/L
	Pb	208	815326.747	0.401	2.507	25.28297	1.21	ug/L

⌈	Na	23	20718734.788	0.263	22.077	2016.42394	0.48	ug/L
|	Mg	24	13715993.392	0.459	14.630	2020.94517	0.99	ug/L
|	K	39	28665549.743	1.046	29.658	2039.76168	1.64	ug/L
|	Ca	43	55373.701	0.379	0.058	2069.49364	0.92	ug/L
|	Fe	54	2075391.653	0.907	2.160	2057.04046	1.47	ug/L
|	Fe	57	843879.190	0.560	0.889	2014.61937	1.06	ug/L
⌊>	Sc-1	45	937199.033	0.541	937199.033			ug/L
	Kr	83	133.669	6.363	-23.334			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9	95.002				
	B	11	96.437				
	Al	27	111.943				
>	Sc	45		102.223			
	Ti	47	102.739				
	V	51	107.391				
	Cr	52	100.379				
	Mn	55	100.923				
	Co	59	102.172				
	Ni	60	100.251				
	Cu	63	102.078				
	Cu	65	102.845				
	Zn	66	106.038				
	Zn	67	113.375				
	Zn	68	105.781				
>	Ge	72		99.400			
	As	75	104.508				
	Se	82	105.459				
	Sr	88	100.365				
	Mo	95	105.128				
	Mo	98	104.497				
	Ag	107	100.392				
	Cd	111	98.261				
	Cd	114	98.480				
>	In	115		98.346			
	Sn	118	100.520				
	Sb	121	107.431				
	Sb	123	106.554				
	Ba	135	102.268				
	Ba	137	102.138				
>	Tb	159		98.343			
	Hg	202	100.543				
	Tl	205	99.394				
	Pb	208	101.132				
	Na	23	99.576				
	Mg	24	99.800				
	K	39	100.729				
	Ca	43	102.197				
	Fe	54	101.582				
	Fe	57	99.487				
>	Sc-1	45		102.223			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ICB

Sample Date/Time: Friday, October 05, 2007 12:51:46
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\ICB.009
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	15.833	11.090	0.000	0.00353	59.77	ug/L
	B	11	3301.822	5.901	0.001	0.84441	23.45	ug/L
	Al	27	52407.262	0.690	0.028	2.49614	0.66	ug/L
>	Sc	45	905131.347	0.760	905131.347			ug/L
	Ti	47	671.367	7.029	0.000	0.12398	36.76	ug/L
	V	51	-14759.574	37.613	0.004	0.24442	156.05	ug/L
	Cr	52	23311.012	0.962	-0.003	-0.24343	11.21	ug/L
	Mn	55	4752.730	2.268	0.004	0.16209	4.39	ug/L
	Co	59	130.336	1.931	0.000	0.00491	4.58	ug/L
	Ni	60	99.271	3.710	-0.000	-0.00018	518.61	ug/L
	Cu	63	499.020	14.138	0.001	0.02236	42.73	ug/L
	Cu	65	250.337	3.519	0.000	0.00802	28.22	ug/L
	Zn	66	1456.627	0.935	0.001	0.13576	6.45	ug/L
	Zn	67	9778.734	0.171	0.004	3.15117	3.67	ug/L
	Zn	68	1696.339	0.443	0.001	0.18437	1.24	ug/L
>	Ge	72	261689.499	0.329	261689.499			ug/L
	As	75	-535.480	30.150	-0.001	-0.19096	41.67	ug/L
	Se	82	85.348	3.936	0.000	0.07492	21.55	ug/L
	Sr	88	502.020	3.279	0.000	0.00035	197.51	ug/L
	Mo	95	432.254	27.436	0.001	0.08172	39.27	ug/L
	Mo	98	683.196	27.626	0.002	0.08168	38.89	ug/L
	Ag	107	83.668	14.944	0.000	0.00439	26.30	ug/L
	Cd	111	87.795	11.560	0.000	0.00777	50.21	ug/L
	Cd	114	65.672	9.240	0.000	0.00221	44.35	ug/L
>	In	115	249322.404	0.144	249322.404			ug/L
	Sn	118	1379.131	19.494	0.003	0.08753	39.90	ug/L
	Sb	121	1199.765	8.289	0.005	0.14111	8.85	ug/L
	Sb	123	938.325	10.216	0.003	0.14055	10.97	ug/L
	Ba	135	46.000	6.788	-0.000	-0.00273	46.82	ug/L
	Ba	137	66.334	9.692	0.000	0.00012	1298.64	ug/L
>	Tb	159	331420.913	0.500	331420.913			ug/L
	Hg	202	133.201	9.891	0.000	0.03920	11.59	ug/L
	Tl	205	2234.009	31.901	0.005	0.06115	46.27	ug/L
	Pb	208	656.017	2.118	0.000	0.00189	22.87	ug/L

⌈	Na	23	31334.785	1.040	0.004	0.36362	4.71	ug/L
|	Mg	24	8188.771	1.731	0.004	0.52760	4.55	ug/L
|	K	39	864536.613	0.844	0.025	1.72472	11.03	ug/L
|	Ca	43	1425.122	2.954	0.000	11.51861	10.90	ug/L
|	Fe	54	52815.882	2.270	0.004	3.53054	29.01	ug/L
|	Fe	57	11606.914	2.505	0.002	3.57057	20.00	ug/L
⌊>	Sc-1	45	905131.347	0.760	905131.347			ug/L
	Kr	83	149.003	11.089	-8.000			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		98.725			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		100.782			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		97.591			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		100.266			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		98.725			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ICSA

Sample Date/Time: Friday, October 05, 2007 12:58:12
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\ICSA.010
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	16.167	22.797	0.000	0.00420	106.72	ug/L
	B	11	4122.853	2.357	0.002	1.76119	13.35	ug/L
	Al	27	447398738.717	1.232	501.898	44306.97761	4.29	ug/L
>	Sc	45	892160.711	3.141	892160.711			ug/L
	Ti	47	1137350.533	0.491	1.275	1072.77214	3.58	ug/L
	V	51	669.042	66.177	0.021	1.30251	2.23	ug/L
	Cr	52	27035.909	0.240	0.001	0.08223	82.19	ug/L
	Mn	55	32088.463	1.340	0.034	1.55306	4.64	ug/L
	Co	59	19745.229	0.700	0.022	1.28066	3.79	ug/L
	Ni	60	4058.809	2.304	0.004	1.21953	4.99	ug/L
	Cu	63	10900.901	1.259	0.041	1.43148	0.46	ug/L
	Cu	65	6295.377	1.046	0.023	1.73456	0.63	ug/L
	Zn	66	12264.352	0.321	0.043	5.44867	1.49	ug/L
	Zn	67	6944.908	8.896	-0.006	-4.63753	42.84	ug/L
	Zn	68	6218.153	1.225	0.018	3.30502	3.67	ug/L
>	Ge	72	260126.662	1.634	260126.662			ug/L
	As	75	4.527	2193.122	0.001	0.07449	66.24	ug/L
	Se	82	123.251	1.491	0.000	0.25676	6.23	ug/L
	Sr	88	35825.551	1.853	0.136	1.41854	3.47	ug/L
	Mo	95	3452669.912	0.751	13.275	934.06511	1.70	ug/L
	Mo	98	5506942.316	0.550	21.172	927.80226	1.08	ug/L
	Ag	107	321.676	6.648	0.001	0.02971	9.34	ug/L
	Cd	111	338.733	12.788	0.001	0.11797	15.26	ug/L
	Cd	114	8584.257	2.022	0.038	1.52861	3.83	ug/L
>	In	115	225547.031	1.836	225547.031			ug/L
	Sn	118	1004.404	2.012	0.002	0.05268	10.13	ug/L
	Sb	121	1110.418	1.414	0.005	0.14459	0.46	ug/L
	Sb	123	851.775	4.374	0.004	0.14112	5.41	ug/L
	Ba	135	504.682	0.750	0.002	0.21638	1.45	ug/L
	Ba	137	807.047	2.977	0.002	0.20420	2.68	ug/L
>	Tb	159	302718.656	0.586	302718.656			ug/L
	Hg	202	613.423	8.230	0.002	0.23162	8.77	ug/L
	Tl	205	1215.434	6.781	0.002	0.02517	13.57	ug/L
	Pb	208	16981.826	0.955	0.054	0.54778	1.19	ug/L

⌈	Na	23	468100915.679	2.018	525.208	47970.87345	5.07	ug/L
|	Mg	24	307669300.959	0.760	345.129	47673.82913	3.82	ug/L
|	K	39	637107870.340	0.871	713.732	49087.59265	3.72	ug/L
|	Ca	43	1218687.626	0.693	1.366	48866.14056	3.10	ug/L
|	Fe	54	45966292.249	0.653	51.507	49053.70263	3.67	ug/L
|	Fe	57	19116208.292	0.929	21.433	48558.33355	3.84	ug/L
⌊>	Sc-1	45	892160.711	3.141	892160.711			ug/L
	Kr	83	216.338	7.343	59.335			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27	88.614				
>	Sc	45		97.311			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		100.180			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		88.285			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		91.582			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23	95.942				
	Mg	24	95.348				
	K	39	98.175				
	Ca	43	97.732				
	Fe	54	98.107				
	Fe	57	97.117				
>	Sc-1	45		97.311			
	Kr	83					

Sample ID: ICSA
Report Date/Time: Friday, October 05, 2007 13:02:38

Method 6020 - Summary Report

Sample ID: ICSAB

Sample Date/Time: Friday, October 05, 2007 13:04:37
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\ICSAB.011
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	17.500	10.302	0.000	0.00662	33.61	ug/L
	B	11	3468.055	0.469	0.001	1.21658	0.15	ug/L
	Al	27	450016456.810	1.115	524.855	46333.55288	0.68	ug/L
>	Sc	45	857346.278	0.443	857346.278			ug/L
	Ti	47	1145416.799	0.628	1.335	1123.46809	1.06	ug/L
	V	51	283732.182	0.965	0.351	21.78600	1.21	ug/L
	Cr	52	144004.757	1.149	0.139	9.89604	1.83	ug/L
	Mn	55	218729.185	0.504	0.253	11.46547	0.49	ug/L
	Co	59	303083.449	0.085	0.353	20.49156	0.47	ug/L
	Ni	60	62991.542	0.354	0.073	20.13557	0.76	ug/L
	Cu	63	71332.043	0.505	0.276	9.72379	1.01	ug/L
	Cu	65	34722.360	1.078	0.134	9.96243	1.37	ug/L
	Zn	66	29578.569	0.630	0.110	14.11497	1.64	ug/L
	Zn	67	9441.850	3.596	0.004	2.67139	44.31	ug/L
	Zn	68	18255.474	0.534	0.066	11.73005	0.80	ug/L
>	Ge	72	257252.010	1.153	257252.010			ug/L
	As	75	19524.066	1.043	0.076	9.82381	0.36	ug/L
	Se	82	2076.029	1.457	0.008	9.60326	1.12	ug/L
	Sr	88	37965.342	1.380	0.146	1.52092	0.88	ug/L
	Mo	95	3498796.730	0.078	13.601	957.05158	1.20	ug/L
	Mo	98	5538620.218	0.413	21.531	943.51768	0.90	ug/L
	Ag	107	93561.559	0.222	0.414	9.59966	1.99	ug/L
	Cd	111	11577.932	0.149	0.051	4.88857	1.77	ug/L
	Cd	114	35285.315	0.887	0.156	6.29689	0.89	ug/L
>	In	115	225917.304	1.775	225917.304			ug/L
	Sn	118	920.393	5.594	0.001	0.04043	22.77	ug/L
	Sb	121	1011.738	0.694	0.004	0.13070	1.16	ug/L
	Sb	123	770.729	4.668	0.003	0.12640	4.06	ug/L
	Ba	135	493.848	2.990	0.001	0.21272	3.82	ug/L
	Ba	137	848.052	4.286	0.003	0.21691	5.02	ug/L
>	Tb	159	300839.012	0.512	300839.012			ug/L
	Hg	202	3654.735	0.843	0.012	1.43031	1.22	ug/L
	Tl	205	1084.748	3.624	0.001	0.01977	8.17	ug/L
	Pb	208	16841.038	0.896	0.054	0.54657	0.49	ug/L

⌈	Na	23	467294976.439	0.224	545.022	49780.57582	0.29	ug/L
|	Mg	24	310314892.593	0.463	361.948	49997.13421	0.66	ug/L
|	K	39	642276372.233	1.218	748.238	51460.77039	1.50	ug/L
|	Ca	43	1239601.168	0.373	1.445	51694.11739	0.74	ug/L
|	Fe	54	45898283.580	0.617	53.480	50932.81549	0.22	ug/L
|	Fe	57	19355660.360	0.469	22.566	51125.10220	0.88	ug/L
⌊>	Sc-1	45	857346.278	0.443	857346.278			ug/L
	Kr	83	238.006	4.387	81.003			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27	92.667				
>	Sc	45		93.513			
	Ti	47	112.347				
	V	51	108.930				
	Cr	52	98.960				
	Mn	55	114.655				
	Co	59	102.458				
	Ni	60	100.678				
	Cu	63	97.238				
	Cu	65	99.624				
	Zn	66	141.150				
	Zn	67	26.714				
	Zn	68	117.300				
>	Ge	72		99.073			
	As	75	98.238				
	Se	82	96.033				
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107	95.997				
	Cd	111	97.771				
	Cd	114	125.938				
>	In	115		88.429			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		91.014			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23	99.561				
	Mg	24	99.994				
	K	39	102.922				
	Ca	43	103.388				
	Fe	54	101.866				
	Fe	57	102.250				
>	Sc-1	45		93.513			
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCV

Sample Date/Time: Friday, October 05, 2007 13:12:59
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\CCV.012
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	40958.246	0.855	0.045	47.70675	1.03	ug/L
	B	11	96424.103	1.831	0.103	96.47206	2.29	ug/L
	Al	27	524746.820	0.376	0.546	48.17400	0.88	ug/L
>	Sc	45	912114.485	0.681	912114.485			ug/L
	Ti	47	55759.151	0.665	0.061	50.92883	0.71	ug/L
	V	51	739223.891	1.372	0.831	51.53430	1.96	ug/L
	Cr	52	654517.904	0.390	0.688	49.08294	0.88	ug/L
	Mn	55	968888.838	0.840	1.061	47.97972	1.47	ug/L
	Co	59	766891.336	1.050	0.841	48.74423	1.71	ug/L
	Ni	60	160200.194	0.361	0.176	48.17728	1.04	ug/L
	Cu	63	351663.485	0.047	1.387	48.86973	0.89	ug/L
	Cu	65	166767.890	0.763	0.658	48.84509	1.44	ug/L
	Zn	66	95264.942	0.587	0.372	47.47949	1.28	ug/L
	Zn	67	25252.541	1.274	0.067	48.76897	3.15	ug/L
	Zn	68	69045.035	0.898	0.267	47.83801	1.73	ug/L
>	Ge	72	253272.513	0.868	253272.513			ug/L
	As	75	98375.180	0.323	0.389	49.98185	0.86	ug/L
	Se	82	10100.337	0.653	0.040	48.74549	1.37	ug/L
	Sr	88	1173270.706	0.742	4.631	48.34033	1.08	ug/L
	Mo	95	187201.992	0.361	0.739	51.97675	1.03	ug/L
	Mo	98	299241.546	0.482	1.181	51.74451	0.50	ug/L
	Ag	107	506237.717	1.111	2.135	49.49742	2.44	ug/L
	Cd	111	120020.737	0.318	0.506	48.50662	1.57	ug/L
	Cd	114	285140.197	0.495	1.202	48.53742	1.87	ug/L
>	In	115	237138.655	1.493	237138.655			ug/L
	Sn	118	368215.423	1.429	1.550	50.16984	0.87	ug/L
	Sb	121	399383.846	0.476	1.684	52.60593	1.10	ug/L
	Sb	123	307536.459	0.728	1.297	52.08269	2.12	ug/L
	Ba	135	109525.924	0.846	0.343	49.18635	1.49	ug/L
	Ba	137	189892.085	0.538	0.595	49.24521	1.26	ug/L
>	Tb	159	319078.928	0.723	319078.928			ug/L
	Hg	202	6483.588	0.974	0.020	2.39810	1.70	ug/L
	Tl	205	1140227.736	0.673	3.571	47.16668	0.05	ug/L
	Pb	208	1516021.046	0.369	4.750	47.90686	0.35	ug/L

⌈	Na	23	40390448.619	0.935	44.255	4042.08831	1.59	ug/L
|	Mg	24	27006516.228	1.654	29.605	4089.43813	1.95	ug/L
|	K	39	56397069.243	1.021	60.903	4188.68110	1.32	ug/L
|	Ca	43	106895.956	1.097	0.116	4149.03288	1.42	ug/L
|	Fe	54	4016214.615	2.236	4.349	4141.63653	2.53	ug/L
|	Fe	57	1625714.493	0.999	1.771	4012.93609	1.59	ug/L
⌊>	Sc-1	45	912114.485	0.681	912114.485			ug/L
	Kr	83	130.002	7.338	-27.001			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9	95.414				
	B	11	192.944				
	Al	27	96.348				
>	Sc	45		99.487			
	Ti	47	101.858				
	V	51	103.069				
	Cr	52	98.166				
	Mn	55	95.959				
	Co	59	97.488				
	Ni	60	96.355				
	Cu	63	97.739				
	Cu	65	97.690				
	Zn	66	94.959				
	Zn	67	97.538				
	Zn	68	95.676				
>	Ge	72		97.541			
	As	75	99.964				
	Se	82	97.491				
	Sr	88	96.681				
	Mo	95	103.954				
	Mo	98	103.489				
	Ag	107	98.995				
	Cd	111	97.013				
	Cd	114	97.075				
>	In	115		92.822			
	Sn	118	100.340				
	Sb	121	105.212				
	Sb	123	104.165				
	Ba	135	98.373				
	Ba	137	98.490				
>	Tb	159		96.532			
	Hg	202	95.924				
	Tl	205	94.333				
	Pb	208	95.814				
	Na	23	99.805				
	Mg	24	100.974				
	K	39	103.424				
	Ca	43	102.445				
	Fe	54	102.263				
	Fe	57	99.085				
>	Sc-1	45		99.487			
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCB

Sample Date/Time: Friday, October 05, 2007 13:19:20
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\CCB.013
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	16.000	21.875	0.000	0.00407	107.24	ug/L
	B	11	4889.119	13.785	0.003	2.58027	30.24	ug/L
	Al	27	36307.731	18.174	0.011	0.98464	65.48	ug/L
>	Sc	45	890029.767	1.377	890029.767			ug/L
	Ti	47	714.038	9.900	0.000	0.17537	42.07	ug/L
	V	51	-19133.911	32.595	-0.001	-0.07343	571.86	ug/L
	Cr	52	22687.380	1.529	-0.004	-0.26234	4.82	ug/L
	Mn	55	1660.432	3.914	0.000	0.00890	25.98	ug/L
	Co	59	112.669	17.173	0.000	0.00390	32.55	ug/L
	Ni	60	74.590	22.377	-0.000	-0.00726	71.83	ug/L
	Cu	63	295.008	3.909	-0.000	-0.00478	34.42	ug/L
	Cu	65	259.337	3.369	0.000	0.01118	26.72	ug/L
	Zn	66	1189.585	2.052	0.000	0.01004	116.29	ug/L
	Zn	67	9755.874	0.552	0.005	3.30660	8.44	ug/L
	Zn	68	1506.970	2.263	0.000	0.06299	25.23	ug/L
>	Ge	72	259611.805	0.823	259611.805			ug/L
	As	75	-398.928	65.758	-0.001	-0.12550	104.01	ug/L
	Se	82	85.285	6.656	0.000	0.07772	30.78	ug/L
	Sr	88	472.351	4.361	-0.000	-0.00068	142.40	ug/L
	Mo	95	2154.005	12.788	0.008	0.54968	14.34	ug/L
	Mo	98	3481.237	14.663	0.013	0.55529	16.19	ug/L
	Ag	107	89.335	23.113	0.000	0.00481	36.18	ug/L
	Cd	111	64.538	9.008	-0.000	-0.00144	170.87	ug/L
	Cd	114	62.424	26.737	0.000	0.00155	162.32	ug/L
>	In	115	252152.826	1.748	252152.826			ug/L
	Sn	118	1400.803	24.342	0.003	0.08839	50.48	ug/L
	Sb	121	603.361	10.197	0.002	0.06554	11.69	ug/L
	Sb	123	448.982	12.190	0.002	0.06094	14.72	ug/L
	Ba	135	34.333	8.533	-0.000	-0.00744	14.61	ug/L
	Ba	137	62.334	8.233	-0.000	-0.00050	318.84	ug/L
>	Tb	159	323950.580	2.330	323950.580			ug/L
	Hg	202	118.868	10.819	0.000	0.03516	16.18	ug/L
	Tl	205	3306.744	35.321	0.008	0.10772	47.22	ug/L
	Pb	208	684.685	8.820	0.000	0.00328	70.86	ug/L

⌈	Na	23	44903.925	16.411	0.020	1.80888	41.36	ug/L
|	Mg	24	10100.199	49.070	0.006	0.84344	90.95	ug/L
|	K	39	853943.781	2.413	0.029	2.02026	62.82	ug/L
|	Ca	43	1364.112	1.515	0.000	10.03036	7.42	ug/L
|	Fe	54	54369.039	1.186	0.006	6.14677	19.52	ug/L
|	Fe	57	13036.527	2.723	0.003	7.71445	17.41	ug/L
⌊>	Sc-1	45	890029.767	1.377	890029.767			ug/L
	Kr	83	153.336	7.889	-3.667			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		97.078			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		99.982			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		98.699			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		98.006			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		97.078			
	Kr	83					

Method 6020 - Summary Report

Sample ID: MB071004-2,5

Sample Date/Time: Friday, October 05, 2007 14:40:54
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020w
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\MB071004-2,5.014
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	16.167	23.213	0.000	0.00343	127.95	ug/L
	B	11	2696.936	1.793	0.000	0.14475	23.07	ug/L
	Al	27	28634.552	4.294	0.001	0.10401	112.59	ug/L
>	Sc	45	929610.363	0.568	929610.363			ug/L
	Ti	47	455.017	3.999	-0.000	-0.08837	17.02	ug/L
	V	51	-9684.958	78.370	0.010	0.61103	82.94	ug/L
	Cr	52	25378.670	0.608	-0.002	-0.13324	16.39	ug/L
	Mn	55	1670.945	0.212	0.000	0.00584	10.10	ug/L
	Co	59	65.668	2.326	0.000	0.00066	17.91	ug/L
	Ni	60	49.764	1.044	-0.000	-0.01558	1.22	ug/L
	Cu	63	236.339	8.939	-0.000	-0.01361	20.64	ug/L
	Cu	65	201.669	1.002	-0.000	-0.00688	9.36	ug/L
	Zn	66	781.203	3.450	-0.002	-0.20124	7.07	ug/L
	Zn	67	8991.849	0.576	0.001	0.47019	34.43	ug/L
	Zn	68	1161.081	2.276	-0.001	-0.19702	9.68	ug/L
>	Ge	72	266792.961	0.377	266792.961			ug/L
	As	75	-276.174	40.392	-0.000	-0.06097	87.69	ug/L
	Se	82	75.339	1.727	0.000	0.02109	31.45	ug/L
	Sr	88	467.684	5.553	-0.000	-0.00137	73.47	ug/L
	Mo	95	214.986	0.814	0.000	0.02217	3.01	ug/L
	Mo	98	331.340	2.920	0.000	0.02169	8.29	ug/L
	Ag	107	20.667	47.492	-0.000	-0.00149	61.38	ug/L
	Cd	111	58.265	9.624	-0.000	-0.00390	57.22	ug/L
	Cd	114	39.557	20.025	-0.000	-0.00210	62.55	ug/L
>	In	115	252932.544	1.016	252932.544			ug/L
	Sn	118	439.016	1.205	-0.001	-0.03534	2.75	ug/L
	Sb	121	147.336	11.565	0.000	0.00897	21.68	ug/L
	Sb	123	125.428	15.003	0.000	0.00935	33.95	ug/L
	Ba	135	220.836	2.313	0.001	0.07241	3.18	ug/L
	Ba	137	379.346	3.841	0.001	0.07782	5.02	ug/L
>	Tb	159	333146.852	1.140	333146.852			ug/L
	Hg	202	99.667	2.732	0.000	0.02705	3.55	ug/L
	Tl	205	527.355	3.888	-0.001	-0.00694	14.81	ug/L
	Pb	208	474.010	3.486	-0.000	-0.00373	10.05	ug/L

⌈	Na	23	29990.505	0.972	0.002	0.14826	8.25	ug/L
|	Mg	24	2906.870	2.656	-0.002	-0.29016	4.78	ug/L
|	K	39	879850.288	1.202	0.016	1.12642	36.71	ug/L
|	Ca	43	1294.601	0.826	0.000	5.01877	12.01	ug/L
|	Fe	54	50745.992	2.051	-0.000	-0.05413	1428.45	ug/L
|	Fe	57	10992.412	1.123	0.001	1.30866	30.52	ug/L
⌊>	Sc-1	45	929610.363	0.568	929610.363			ug/L
	Kr	83	158.336	7.614	1.333			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		101.395			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		102.748			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		99.004			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		100.788			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		101.395			
	Kr	83					

Method 6020 - Summary Report

Sample ID: LCS071004-2,5

Sample Date/Time: Friday, October 05, 2007 14:47:11
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\LCS071004-2,5.015
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	34109.687	2.160	0.037	39.62404	1.41	ug/L
	B	11	392384.744	1.286	0.427	399.70987	4.59	ug/L
	Al	27	3968645.674	1.609	4.312	380.61892	3.04	ug/L
>	Sc	45	914764.789	3.551	914764.789			ug/L
	Ti	47	436859.685	2.102	0.477	401.40453	1.68	ug/L
	V	51	5713715.032	2.544	6.269	388.85584	2.31	ug/L
	Cr	52	4995845.813	2.554	5.434	387.41552	1.89	ug/L
	Mn	55	791128.543	2.088	0.864	39.06373	2.20	ug/L
	Co	59	614213.771	1.960	0.672	38.93976	2.05	ug/L
	Ni	60	1279931.525	2.154	1.400	384.13997	1.91	ug/L
	Cu	63	281325.139	1.729	1.137	40.03591	1.59	ug/L
	Cu	65	134234.979	2.093	0.542	40.26268	2.62	ug/L
	Zn	66	776384.993	2.304	3.136	400.59539	2.76	ug/L
	Zn	67	141484.678	1.653	0.539	394.53346	2.72	ug/L
	Zn	68	551767.936	1.926	2.226	398.58715	2.12	ug/L
>	Ge	72	247308.598	2.579	247308.598			ug/L
	As	75	814680.645	2.071	3.296	423.44937	2.30	ug/L
	Se	82	83480.313	1.147	0.337	415.14051	2.06	ug/L
	Sr	88	944422.743	2.346	3.818	39.85148	2.01	ug/L
	Mo	95	1440403.308	1.797	5.825	409.88077	1.84	ug/L
	Mo	98	2374001.720	1.402	9.603	420.80344	2.77	ug/L
	Ag	107	401341.705	0.940	1.720	39.88355	0.40	ug/L
	Cd	111	97457.062	3.074	0.417	40.02599	2.13	ug/L
	Cd	114	226615.776	2.432	0.971	39.20298	1.27	ug/L
>	In	115	233269.384	1.326	233269.384			ug/L
	Sn	118	2979064.135	0.902	12.769	413.31273	1.11	ug/L
	Sb	121	3338676.095	1.970	14.311	447.05338	0.66	ug/L
	Sb	123	2580079.793	1.526	11.060	444.18098	0.58	ug/L
	Ba	135	961035.420	3.221	3.045	436.55801	1.88	ug/L
	Ba	137	1648436.530	1.803	5.225	432.43779	0.90	ug/L
>	Tb	159	315500.670	1.419	315500.670			ug/L
	Hg	202	148.868	2.634	0.000	0.04751	4.76	ug/L
	Tl	205	9289307.444	1.523	29.441	388.81903	0.44	ug/L
	Pb	208	12714289.020	1.224	40.298	406.47355	0.60	ug/L

⌈	Na	23	40641593.638	1.209	44.422	4057.37603	2.32	ug/L
|	Mg	24	27132570.163	1.296	29.672	4098.70663	2.44	ug/L
|	K	39	56592894.250	2.205	60.959	4192.50678	1.91	ug/L
|	Ca	43	107435.949	1.932	0.116	4159.61854	2.03	ug/L
|	Fe	54	461595.580	2.717	0.450	428.75091	3.35	ug/L
|	Fe	57	178208.280	1.510	0.184	416.14633	2.85	ug/L
⌊>	Sc-1	45	914764.789	3.551	914764.789			ug/L
	Kr	83	194.004	5.670	37.001			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		99.776			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		95.244			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		91.307			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		95.449			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		99.776			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME0710178-02C,5

Sample Date/Time: Friday, October 05, 2007 14:53:28
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\ME0710178-02C,5.016
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	12.833	15.746	0.000	0.00005	4916.55	ug/L
	B	11	43222.967	6.671	0.045	42.27016	6.26	ug/L
	Al	27	17638.059	0.376	-0.010	-0.89021	3.21	ug/L
>	Sc	45	902758.384	1.344	902758.384			ug/L
	Ti	47	1243.107	16.498	0.001	0.65740	27.63	ug/L
	V	51	-16669.090	19.645	0.002	0.10924	220.16	ug/L
	Cr	52	25194.315	1.553	-0.001	-0.08970	49.01	ug/L
	Mn	55	238506.470	0.616	0.263	11.87673	0.85	ug/L
	Co	59	593.694	1.122	0.001	0.03469	0.96	ug/L
	Ni	60	727.992	5.623	0.001	0.19100	5.49	ug/L
	Cu	63	7289.927	0.854	0.028	0.99335	2.71	ug/L
	Cu	65	3562.428	2.668	0.014	1.00641	2.94	ug/L
	Zn	66	2264.808	1.225	0.005	0.59404	1.26	ug/L
	Zn	67	9742.192	1.438	0.006	4.62546	16.73	ug/L
	Zn	68	3073.067	0.645	0.007	1.24784	3.15	ug/L
>	Ge	72	247438.414	1.767	247438.414			ug/L
	As	75	225.679	104.278	0.001	0.18790	63.58	ug/L
	Se	82	130.323	19.964	0.000	0.32318	43.00	ug/L
	Sr	88	2561066.090	0.555	10.351	108.05111	2.00	ug/L
	Mo	95	6523.914	16.382	0.026	1.82366	18.00	ug/L
	Mo	98	10482.366	15.860	0.042	1.82657	17.44	ug/L
	Ag	107	62.001	4.839	0.000	0.00261	12.12	ug/L
	Cd	111	58.765	13.628	-0.000	-0.00251	113.24	ug/L
	Cd	114	43.813	39.483	-0.000	-0.00104	283.19	ug/L
>	In	115	239667.227	1.437	239667.227			ug/L
	Sn	118	9935.500	34.952	0.039	1.25089	37.91	ug/L
	Sb	121	871.057	31.925	0.003	0.10439	35.22	ug/L
	Sb	123	681.239	30.873	0.003	0.10363	34.50	ug/L
	Ba	135	52768.556	1.039	0.164	23.54409	2.01	ug/L
	Ba	137	90541.133	0.929	0.282	23.33098	1.80	ug/L
>	Tb	159	321052.370	2.042	321052.370			ug/L
	Hg	202	98.201	3.886	0.000	0.02787	7.74	ug/L
	Tl	205	14278.468	36.827	0.042	0.55813	37.81	ug/L
	Pb	208	5470.088	2.434	0.015	0.15382	3.35	ug/L

⌈	Na	23	45844029.148	0.280	50.759	4636.12844	1.56	ug/L
|	Mg	24	53291843.683	1.185	59.032	8154.35981	1.53	ug/L
|	K	39	5457673.333	0.537	5.116	351.86372	1.45	ug/L
|	Ca	43	417745.160	0.545	0.462	16515.50869	1.29	ug/L
|	Fe	54	464247.261	0.378	0.460	437.77046	1.39	ug/L
|	Fe	57	202158.385	0.387	0.213	481.93900	1.69	ug/L
⌊>	Sc-1	45	902758.384	1.344	902758.384			ug/L
	Kr	83	123.335	8.122	-33.668			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		98.466			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		95.294			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		93.812			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		97.129			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		98.466			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME0710178-03C,5

Sample Date/Time: Friday, October 05, 2007 14:59:45
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020w
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\ME0710178-03C,5.017
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌈	Be	9	12.667	15.953	-0.000	-0.00009	2666.70	ug/L
|	B	11	37166.416	3.110	0.039	36.20100	2.69	ug/L
|	Al	27	15927.249	1.441	-0.012	-1.04888	4.92	ug/L
| >	Sc	45	898403.031	4.078	898403.031			ug/L
|	Ti	47	950.064	2.198	0.000	0.39045	9.83	ug/L
|	V	51	-16456.842	15.172	0.002	0.11643	170.74	ug/L
|	Cr	52	25773.787	1.584	-0.000	-0.03281	179.87	ug/L
|	Mn	55	235891.757	1.372	0.261	11.81493	4.18	ug/L
|	Co	59	558.024	3.943	0.001	0.03258	1.09	ug/L
⌊	Ni	60	1165.690	5.285	0.001	0.32614	6.43	ug/L
⌈	Cu	63	5223.690	2.837	0.019	0.67671	5.01	ug/L
|	Cu	65	2584.901	2.059	0.009	0.68966	4.23	ug/L
|	Zn	66	2652.255	1.235	0.006	0.75291	5.41	ug/L
|	Zn	67	9935.754	1.182	0.006	4.30988	21.81	ug/L
|	Zn	68	3341.503	1.832	0.008	1.36957	7.10	ug/L
| >	Ge	72	255265.571	3.521	255265.571			ug/L
|	As	75	11.503	2156.137	0.001	0.07892	157.16	ug/L
|	Se	82	96.756	3.557	0.000	0.14012	9.45	ug/L
|	Sr	88	2510529.996	1.576	9.840	102.71830	3.29	ug/L
|	Mo	95	4391.551	6.372	0.017	1.17669	6.95	ug/L
⌊	Mo	98	7008.619	5.741	0.027	1.17123	6.51	ug/L
⌈	Ag	107	26.000	24.019	-0.000	-0.00086	68.03	ug/L
|	Cd	111	54.374	25.524	-0.000	-0.00411	130.83	ug/L
|	Cd	114	34.915	13.173	-0.000	-0.00249	34.17	ug/L
| >	In	115	237914.606	1.258	237914.606			ug/L
|	Sn	118	3432.755	17.229	0.012	0.37499	20.04	ug/L
|	Sb	121	359.678	14.862	0.001	0.03796	16.82	ug/L
⌊	Sb	123	298.998	19.351	0.001	0.03981	22.92	ug/L
⌈	Ba	135	51238.234	1.653	0.164	23.47637	2.18	ug/L
|	Ba	137	88716.334	1.268	0.284	23.47883	2.59	ug/L
| >	Tb	159	312645.682	2.382	312645.682			ug/L
|	Hg	202	128.201	4.154	0.000	0.04020	6.40	ug/L
|	Tl	205	3926.312	15.553	0.010	0.13784	17.06	ug/L
⌊	Pb	208	2585.185	3.446	0.006	0.06534	3.80	ug/L

⌈	Na	23	44457918.664	1.335	49.504	4521.57758	3.87	ug/L
|	Mg	24	51713087.492	0.989	57.607	7957.46183	3.29	ug/L
|	K	39	5334087.093	0.807	5.013	344.79974	4.58	ug/L
|	Ca	43	409105.514	1.746	0.455	16264.23391	3.54	ug/L
|	Fe	54	446417.516	2.264	0.443	421.66017	4.73	ug/L
|	Fe	57	190269.887	1.720	0.201	454.94729	5.13	ug/L
⌊>	Sc-1	45	898403.031	4.078	898403.031			ug/L
	Kr	83	140.669	16.216	-16.334			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		97.991			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		98.308			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		93.125			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		94.586			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		97.991			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME0710178-04C,5

Sample Date/Time: Friday, October 05, 2007 15:06:01
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020w
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\ME0710178-04C,5.018
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	13.667	13.851	0.000	0.00099	217.74	ug/L
	B	11	42096.906	1.290	0.044	41.05250	1.82	ug/L
	Al	27	22023.212	1.790	-0.005	-0.46482	6.64	ug/L
>	Sc	45	904062.903	0.547	904062.903			ug/L
	Ti	47	897.391	3.730	0.000	0.33508	10.68	ug/L
	V	51	-16258.283	10.574	0.002	0.14125	81.53	ug/L
	Cr	52	25849.561	1.606	-0.001	-0.04121	67.13	ug/L
	Mn	55	142635.847	0.624	0.156	7.06158	0.39	ug/L
	Co	59	572.025	3.894	0.001	0.03324	4.02	ug/L
	Ni	60	1708.798	3.604	0.002	0.48844	3.27	ug/L
	Cu	63	13054.685	2.330	0.051	1.79863	2.18	ug/L
	Cu	65	6475.682	1.149	0.025	1.86490	0.18	ug/L
	Zn	66	8405.071	2.220	0.029	3.72852	1.55	ug/L
	Zn	67	10768.957	2.593	0.010	7.39213	7.94	ug/L
	Zn	68	7535.740	1.585	0.025	4.43198	0.70	ug/L
>	Ge	72	249469.274	1.054	249469.274			ug/L
	As	75	-130.956	131.821	0.000	0.00516	1718.19	ug/L
	Se	82	86.733	9.530	0.000	0.10142	40.09	ug/L
	Sr	88	4163636.459	1.348	16.688	174.20239	0.31	ug/L
	Mo	95	6900.956	1.005	0.027	1.91196	0.73	ug/L
	Mo	98	11186.670	0.772	0.044	1.93237	0.47	ug/L
	Ag	107	29.000	22.612	-0.000	-0.00057	119.02	ug/L
	Cd	111	70.653	14.312	0.000	0.00233	154.71	ug/L
	Cd	114	95.820	19.510	0.000	0.00781	43.35	ug/L
>	In	115	238822.701	1.638	238822.701			ug/L
	Sn	118	2131.628	8.027	0.006	0.19761	13.52	ug/L
	Sb	121	251.006	1.992	0.001	0.02362	1.58	ug/L
	Sb	123	248.973	5.280	0.001	0.03127	5.78	ug/L
	Ba	135	64092.433	2.120	0.202	29.02580	2.71	ug/L
	Ba	137	109168.416	2.327	0.345	28.55374	3.14	ug/L
>	Tb	159	316328.147	1.021	316328.147			ug/L
	Hg	202	532.217	2.068	0.002	0.19087	2.39	ug/L
	Tl	205	2006.929	5.945	0.004	0.05595	9.20	ug/L
	Pb	208	4399.167	0.853	0.012	0.12222	2.14	ug/L

⌈	Na	23	31931295.188	1.770	35.289	3223.15062	1.54	ug/L
|	Mg	24	63897633.444	2.170	70.674	9762.42940	2.18	ug/L
|	K	39	6744059.319	1.338	6.530	449.08492	1.45	ug/L
|	Ca	43	441004.016	2.126	0.487	17410.99853	2.27	ug/L
|	Fe	54	696505.545	0.357	0.716	681.68642	0.43	ug/L
|	Fe	57	295675.714	1.454	0.316	715.50285	1.52	ug/L
⌊>	Sc-1	45	904062.903	0.547	904062.903			ug/L
	Kr	83	135.002	7.296	-22.001			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		98.609			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		96.076			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		93.481			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		95.700			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		98.609			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME0710178-05C,5

Sample Date/Time: Friday, October 05, 2007 15:12:18
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020w
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\ME0710178-05C,5.019
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	13.000	23.395	0.000	0.00016	2155.19	ug/L
	B	11	43735.470	0.616	0.046	42.63160	2.12	ug/L
	Al	27	16176.921	2.757	-0.012	-1.04018	2.06	ug/L
>	Sc	45	906564.229	1.409	906564.229			ug/L
	Ti	47	901.724	2.274	0.000	0.33671	5.51	ug/L
	V	51	-19863.842	27.461	-0.002	-0.10003	359.59	ug/L
	Cr	52	26103.369	1.412	-0.000	-0.02670	113.89	ug/L
	Mn	55	130414.890	0.816	0.142	6.43303	1.80	ug/L
	Co	59	689.035	1.963	0.001	0.04064	3.37	ug/L
	Ni	60	716.488	2.334	0.001	0.18672	4.31	ug/L
	Cu	63	1008.404	3.975	0.003	0.09561	6.93	ug/L
	Cu	65	694.029	5.515	0.002	0.14071	8.00	ug/L
	Zn	66	4827.732	1.520	0.015	1.86243	2.76	ug/L
	Zn	67	10225.103	0.637	0.007	5.38066	7.40	ug/L
	Zn	68	4896.105	1.868	0.014	2.48887	3.63	ug/L
>	Ge	72	253017.728	0.737	253017.728			ug/L
	As	75	155.325	120.238	0.001	0.15054	62.95	ug/L
	Se	82	81.496	10.061	0.000	0.06975	53.09	ug/L
	Sr	88	3936044.075	1.721	15.556	162.38669	2.25	ug/L
	Mo	95	7896.780	1.601	0.031	2.16168	1.96	ug/L
	Mo	98	12675.637	2.531	0.049	2.16289	3.07	ug/L
	Ag	107	24.000	23.199	-0.000	-0.00101	54.35	ug/L
	Cd	111	57.504	13.513	-0.000	-0.00244	121.69	ug/L
	Cd	114	62.716	9.294	0.000	0.00241	45.31	ug/L
>	In	115	233897.986	1.142	233897.986			ug/L
	Sn	118	1514.153	6.243	0.004	0.11794	9.21	ug/L
	Sb	121	201.338	9.801	0.001	0.01767	13.89	ug/L
	Sb	123	209.565	1.506	0.001	0.02539	0.98	ug/L
	Ba	135	62221.288	1.386	0.197	28.19454	1.30	ug/L
	Ba	137	106846.412	1.313	0.338	27.96336	1.94	ug/L
>	Tb	159	316110.586	1.182	316110.586			ug/L
	Hg	202	82.667	8.273	0.000	0.02257	9.80	ug/L
	Tl	205	1469.478	6.763	0.003	0.03356	13.08	ug/L
	Pb	208	842.692	2.202	0.001	0.00882	10.15	ug/L

⌈	Na	23	40296086.931	1.191	44.427	4057.81319	2.25	ug/L
|	Mg	24	65082201.413	1.274	71.798	9917.67283	2.26	ug/L
|	K	39	7305164.317	0.752	7.129	490.30483	1.74	ug/L
|	Ca	43	462422.350	1.372	0.509	18211.76201	2.56	ug/L
|	Fe	54	514037.407	0.830	0.512	488.02218	1.47	ug/L
|	Fe	57	223275.157	1.988	0.235	532.65137	3.23	ug/L
⌊>	Sc-1	45	906564.229	1.409	906564.229			ug/L
	Kr	83	138.003	3.321	-19.001			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		98.882			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		97.443			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		91.553			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		95.634			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		98.882			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME0710178-05CMS,5

Sample Date/Time: Friday, October 05, 2007 15:18:37
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020w
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\ME0710178-05CMS,5.020
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	33286.186	1.258	0.038	40.11617	0.49	ug/L
	B	11	422401.380	0.419	0.476	446.40260	0.80	ug/L
	Al	27	3759842.063	0.417	4.236	373.95877	0.41	ug/L
>	Sc	45	881425.082	0.822	881425.082			ug/L
	Ti	47	411395.517	1.268	0.466	392.14280	0.50	ug/L
	V	51	5432162.845	0.642	6.183	383.56098	0.72	ug/L
	Cr	52	4683244.346	1.189	5.284	376.72877	0.44	ug/L
	Mn	55	862956.834	1.464	0.977	44.21352	1.33	ug/L
	Co	59	568195.665	0.537	0.645	37.37079	1.12	ug/L
	Ni	60	1163847.871	0.643	1.320	362.37742	0.36	ug/L
	Cu	63	258009.932	1.354	1.090	38.40979	1.99	ug/L
	Cu	65	122540.116	1.011	0.518	38.44484	1.99	ug/L
	Zn	66	721887.861	0.934	3.050	389.67507	2.88	ug/L
	Zn	67	131570.437	1.164	0.524	383.07258	1.39	ug/L
	Zn	68	513937.666	0.712	2.169	388.36830	2.13	ug/L
>	Ge	72	236419.428	2.463	236419.428			ug/L
	As	75	771986.879	1.469	3.267	419.71707	1.44	ug/L
	Se	82	78889.373	1.108	0.333	410.34184	1.49	ug/L
	Sr	88	4779618.459	0.984	20.226	211.13821	3.41	ug/L
	Mo	95	1401764.977	0.799	5.931	417.34725	2.79	ug/L
	Mo	98	2296452.094	0.998	9.715	425.74638	1.71	ug/L
	Ag	107	384742.161	2.759	1.695	39.30431	3.30	ug/L
	Cd	111	92601.558	0.819	0.408	39.09771	1.03	ug/L
	Cd	114	219228.955	1.650	0.966	38.99337	2.71	ug/L
>	In	115	226942.063	1.119	226942.063			ug/L
	Sn	118	2860937.153	1.287	12.606	408.03097	2.37	ug/L
	Sb	121	3196049.227	1.008	14.085	439.98092	2.11	ug/L
	Sb	123	2467751.193	1.295	10.875	436.75826	2.25	ug/L
	Ba	135	962487.148	0.931	3.145	450.76726	2.88	ug/L
	Ba	137	1666995.237	1.365	5.445	450.71043	2.00	ug/L
>	Tb	159	306188.144	2.085	306188.144			ug/L
	Hg	202	75.600	9.439	0.000	0.02090	15.69	ug/L
	Tl	205	8943194.093	1.236	29.219	385.89422	3.28	ug/L
	Pb	208	12063566.462	1.324	39.412	397.53397	2.90	ug/L

⌈	Na	23	77798513.685	0.649	88.235	8059.10098	0.34	ug/L
|	Mg	24	89950423.750	1.383	102.043	14095.57313	0.65	ug/L
|	K	39	60174556.698	1.407	67.338	4631.20068	0.66	ug/L
|	Ca	43	554878.642	1.199	0.628	22482.05934	1.07	ug/L
|	Fe	54	883686.961	0.659	0.948	902.80603	1.03	ug/L
|	Fe	57	374619.133	1.156	0.414	937.43774	0.74	ug/L
⌊>	Sc-1	45	881425.082	0.822	881425.082			ug/L
	Kr	83	176.670	3.268	19.667			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		96.140			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		91.050			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		88.831			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		92.632			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		96.140			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME0710178-05CMSD,5

Sample Date/Time: Friday, October 05, 2007 15:24:54
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020w
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\ME0710178-05CMSD,5.021
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
⌜	Be	9	33331.529	0.719	0.038	39.87221	0.84	ug/L
|	B	11	432236.956	0.927	0.484	453.41444	0.99	ug/L
|	Al	27	3744797.047	1.656	4.187	369.63262	1.30	ug/L
| >	Sc	45	888053.864	0.396	888053.864			ug/L
|	Ti	47	412279.411	1.113	0.464	390.05385	0.87	ug/L
|	V	51	5398061.612	1.238	6.099	378.30843	0.90	ug/L
|	Cr	52	4695828.847	1.192	5.259	374.91205	0.88	ug/L
|	Mn	55	856198.969	2.069	0.962	43.53668	1.74	ug/L
|	Co	59	566386.502	2.397	0.638	36.97074	2.20	ug/L
⌞	Ni	60	1173445.529	0.842	1.321	362.63119	0.58	ug/L
⌜	Cu	63	257952.219	1.402	1.075	37.85861	1.41	ug/L
|	Cu	65	123690.372	1.713	0.515	38.25588	1.51	ug/L
|	Zn	66	723472.183	0.728	3.014	385.00455	2.28	ug/L
|	Zn	67	132884.821	0.689	0.521	381.38505	1.63	ug/L
|	Zn	68	516521.655	1.307	2.149	384.77332	1.11	ug/L
| >	Ge	72	239777.955	2.227	239777.955			ug/L
|	As	75	779307.034	1.170	3.251	417.76310	1.57	ug/L
|	Se	82	79850.343	1.472	0.333	409.51117	1.88	ug/L
|	Sr	88	4743582.503	1.182	19.787	206.55458	2.23	ug/L
|	Mo	95	1403023.755	0.720	5.853	411.80638	2.02	ug/L
⌞	Mo	98	2286501.754	0.886	9.538	417.95521	1.81	ug/L
⌜	Ag	107	382370.784	0.796	1.672	38.76315	1.12	ug/L
|	Cd	111	93213.972	1.798	0.407	39.06358	2.74	ug/L
|	Cd	114	217442.597	1.574	0.951	38.38154	2.47	ug/L
| >	In	115	228669.672	0.950	228669.672			ug/L
|	Sn	118	2876927.184	0.707	12.579	407.17795	1.55	ug/L
|	Sb	121	3191703.531	1.301	13.959	436.04694	2.10	ug/L
⌞	Sb	123	2466459.369	1.258	10.787	433.19946	1.77	ug/L
⌜	Ba	135	971780.790	1.080	3.112	446.06751	3.40	ug/L
|	Ba	137	1671441.033	0.895	5.351	442.93701	2.59	ug/L
| >	Tb	159	312457.226	2.611	312457.226			ug/L
|	Hg	202	85.800	2.911	0.000	0.02414	2.42	ug/L
|	Tl	205	8953616.337	1.115	28.669	378.62790	3.32	ug/L
⌞	Pb	208	12063268.163	1.034	38.622	389.57049	2.66	ug/L

⌈	Na	23	77619853.611	1.865	87.370	7980.14256	1.47	ug/L
|	Mg	24	88533318.632	1.313	99.686	13770.00243	0.95	ug/L
|	K	39	59674075.561	1.455	66.266	4557.52154	1.40	ug/L
|	Ca	43	550701.260	0.934	0.619	22145.34958	0.88	ug/L
|	Fe	54	886091.513	1.241	0.943	898.21193	1.12	ug/L
|	Fe	57	373298.291	1.155	0.409	926.87712	1.00	ug/L
⌊>	Sc-1	45	888053.864	0.396	888053.864			ug/L
	Kr	83	169.337	12.835	12.334			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		96.863			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		92.344			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		89.507			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		94.529			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		96.863			
	Kr	83					

Method 6020 - Summary Report

Sample ID: ME0710178-06C,5

Sample Date/Time: Friday, October 05, 2007 15:31:12
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020w
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\ME0710178-06C,5.022
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	13.667	5.589	0.000	0.00157	70.95	ug/L
	B	11	51345.265	7.388	0.056	52.65297	12.34	ug/L
	Al	27	16717.879	2.224	-0.010	-0.92515	6.47	ug/L
>	Sc	45	874080.429	4.708	874080.429			ug/L
	Ti	47	1179.096	9.670	0.001	0.63951	25.06	ug/L
	V	51	-18128.850	24.626	-0.001	-0.03640	946.12	ug/L
	Cr	52	26379.901	1.270	0.001	0.07591	165.26	ug/L
	Mn	55	98276.623	2.124	0.111	5.02065	6.54	ug/L
	Co	59	597.361	2.133	0.001	0.03626	7.13	ug/L
	Ni	60	698.400	5.432	0.001	0.18903	3.17	ug/L
	Cu	63	3321.362	2.598	0.012	0.42654	2.16	ug/L
	Cu	65	1844.204	4.013	0.007	0.48870	3.28	ug/L
	Zn	66	5287.344	1.561	0.017	2.14590	0.78	ug/L
	Zn	67	10282.676	2.287	0.008	6.11852	5.89	ug/L
	Zn	68	5272.501	1.055	0.016	2.82709	0.77	ug/L
>	Ge	72	248211.836	1.178	248211.836			ug/L
	As	75	291.206	54.802	0.002	0.22277	37.11	ug/L
	Se	82	129.994	18.286	0.000	0.31718	34.71	ug/L
	Sr	88	3993021.197	1.047	16.086	167.92142	1.10	ug/L
	Mo	95	9749.045	12.379	0.039	2.72679	11.34	ug/L
	Mo	98	15621.770	12.057	0.062	2.72304	11.02	ug/L
	Ag	107	47.001	6.383	0.000	0.00122	21.52	ug/L
	Cd	111	46.382	19.615	-0.000	-0.00715	53.35	ug/L
	Cd	114	49.117	26.529	-0.000	-0.00004	5435.65	ug/L
>	In	115	236258.017	0.904	236258.017			ug/L
	Sn	118	10806.438	37.651	0.043	1.38575	39.10	ug/L
	Sb	121	948.400	28.322	0.004	0.11598	29.51	ug/L
	Sb	123	743.766	22.806	0.003	0.11567	23.86	ug/L
	Ba	135	56835.165	0.863	0.182	26.16075	1.52	ug/L
	Ba	137	97682.062	2.596	0.314	25.97248	3.79	ug/L
>	Tb	159	311193.913	1.201	311193.913			ug/L
	Hg	202	121.668	3.094	0.000	0.03792	4.25	ug/L
	Tl	205	17253.881	31.783	0.053	0.70625	34.22	ug/L
	Pb	208	2666.861	5.844	0.007	0.06840	8.53	ug/L

⌈	Na	23	39245565.696	1.762	44.942	4104.82225	5.49	ug/L
|	Mg	24	57401849.186	2.395	65.804	9089.66826	6.82	ug/L
|	K	39	6591978.143	1.962	6.627	455.78542	7.48	ug/L
|	Ca	43	424780.937	2.000	0.486	17381.16699	6.63	ug/L
|	Fe	54	477365.683	1.750	0.493	469.10998	7.04	ug/L
|	Fe	57	205287.527	2.099	0.224	507.68852	6.83	ug/L
⌊>	Sc-1	45	874080.429	4.708	874080.429			ug/L
	Kr	83	130.336	4.226	-26.667			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		95.338			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		95.592			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		92.477			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		94.146			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		95.338			
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCV

Sample Date/Time: Friday, October 05, 2007 15:43:47
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\CCV.024
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	40106.790	1.139	0.043	45.61472	1.95	ug/L
	B	11	99986.868	2.618	0.104	97.73863	4.34	ug/L
	Al	27	526499.235	0.483	0.534	47.14694	2.28	ug/L
>	Sc	45	934350.290	2.510	934350.290			ug/L
	Ti	47	53828.170	1.009	0.057	47.98770	2.94	ug/L
	V	51	719906.143	1.299	0.791	49.06064	1.19	ug/L
	Cr	52	641736.589	1.219	0.658	46.90437	2.34	ug/L
	Mn	55	959878.160	0.686	1.026	46.42101	3.12	ug/L
	Co	59	755170.495	0.499	0.808	46.87149	2.38	ug/L
	Ni	60	157978.401	0.722	0.169	46.38961	1.89	ug/L
	Cu	63	342722.856	1.475	1.363	48.02297	1.30	ug/L
	Cu	65	163767.417	0.733	0.651	48.36494	0.86	ug/L
	Zn	66	94639.714	0.639	0.372	47.56217	0.90	ug/L
	Zn	67	24303.732	2.061	0.064	46.61610	4.13	ug/L
	Zn	68	67805.077	0.724	0.265	47.35941	0.85	ug/L
>	Ge	72	251168.955	0.723	251168.955			ug/L
	As	75	97352.901	0.387	0.388	49.87541	0.39	ug/L
	Se	82	10140.970	0.858	0.040	49.35427	1.28	ug/L
	Sr	88	1162268.749	0.594	4.626	48.28888	1.30	ug/L
	Mo	95	182791.586	0.359	0.727	51.17626	1.01	ug/L
	Mo	98	291730.431	0.364	1.161	50.86732	0.46	ug/L
	Ag	107	508804.307	0.800	2.120	49.14347	0.98	ug/L
	Cd	111	119774.910	0.560	0.499	47.82208	0.77	ug/L
	Cd	114	285168.971	0.743	1.188	47.95407	0.82	ug/L
>	In	115	240004.488	0.222	240004.488			ug/L
	Sn	118	366605.715	1.182	1.525	49.35038	0.97	ug/L
	Sb	121	400171.831	1.269	1.667	52.07426	1.15	ug/L
	Sb	123	306213.253	0.258	1.276	51.22888	0.38	ug/L
	Ba	135	108168.359	0.789	0.342	48.97450	1.86	ug/L
	Ba	137	186834.763	0.496	0.590	48.84881	1.63	ug/L
>	Tb	159	316520.805	1.573	316520.805			ug/L
	Hg	202	6507.540	0.336	0.020	2.42665	1.30	ug/L
	Tl	205	1145542.842	1.218	3.618	47.77555	1.63	ug/L
	Pb	208	1530460.563	1.040	4.835	48.76600	2.51	ug/L

⌈	Na	23	39883199.854	1.006	42.677	3897.95504	3.16	ug/L
|	Mg	24	26598150.791	1.206	28.479	3933.93802	3.67	ug/L
|	K	39	55068015.754	1.073	58.025	3990.73394	2.05	ug/L
|	Ca	43	105786.783	1.238	0.112	4007.43423	1.27	ug/L
|	Fe	54	3924044.713	0.624	4.146	3948.96908	2.01	ug/L
|	Fe	57	1592783.369	0.573	1.694	3838.01457	2.04	ug/L
⌊>	Sc-1	45	934350.290	2.510	934350.290			ug/L
	Kr	83	119.669	8.371	-37.334			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		101.912			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		96.731			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		93.944			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		95.758			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		101.912			
	Kr	83					

Method 6020 - Summary Report

Sample ID: CCB

Sample Date/Time: Friday, October 05, 2007 15:50:03
Sample Type: Sample
Sample Description:
Number of Replicates: 3
Batch ID: 6020W
Method File: C:\elandata\Method\epa 6020 microbac ll.mth
Dataset File: C:\Elandata\DataSet\100507\CCB.025
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted To Volume (mL):

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Meas. Intens. RSD	Net Intens. Mean	Conc. Mean	Conc. RSD	Sample Unit
	Be	9	12.167	35.432	-0.000	-0.00039	1373.37	ug/L
	B	11	7383.469	12.248	0.006	5.26028	17.42	ug/L
	Al	27	26296.813	2.395	0.000	0.01512	565.51	ug/L
>	Sc	45	882731.293	1.031	882731.293			ug/L
	Ti	47	532.022	7.224	0.000	0.00676	481.18	ug/L
	V	51	-14202.114	26.329	0.004	0.25853	101.25	ug/L
	Cr	52	22833.006	2.020	-0.003	-0.23524	22.44	ug/L
	Mn	55	1450.188	1.626	-0.000	-0.00116	40.80	ug/L
	Co	59	97.335	11.819	0.000	0.00296	24.89	ug/L
	Ni	60	77.013	10.233	-0.000	-0.00634	37.00	ug/L
	Cu	63	245.673	1.430	-0.000	-0.01067	1.88	ug/L
	Cu	65	222.836	4.846	0.000	0.00227	130.57	ug/L
	Zn	66	1111.241	2.384	-0.000	-0.01506	131.91	ug/L
	Zn	67	9416.818	0.837	0.004	2.99688	8.01	ug/L
	Zn	68	1462.462	0.467	0.000	0.05704	29.26	ug/L
>	Ge	72	253457.814	1.720	253457.814			ug/L
	As	75	-267.265	57.542	-0.000	-0.06287	122.25	ug/L
	Se	82	89.845	5.704	0.000	0.10995	25.57	ug/L
	Sr	88	476.018	7.250	-0.000	-0.00007	1620.48	ug/L
	Mo	95	957.963	21.851	0.003	0.23188	26.17	ug/L
	Mo	98	1528.978	21.171	0.005	0.23202	25.14	ug/L
	Ag	107	53.667	17.710	0.000	0.00161	56.13	ug/L
	Cd	111	63.904	5.242	-0.000	-0.00140	83.39	ug/L
	Cd	114	52.354	11.433	0.000	0.00007	1498.58	ug/L
>	In	115	249104.266	1.808	249104.266			ug/L
	Sn	118	3130.629	16.106	0.010	0.31603	22.69	ug/L
	Sb	121	421.348	13.194	0.001	0.04371	17.76	ug/L
	Sb	123	337.351	16.909	0.001	0.04391	22.94	ug/L
	Ba	135	45.000	6.939	-0.000	-0.00292	36.82	ug/L
	Ba	137	70.334	21.390	0.000	0.00131	272.14	ug/L
>	Tb	159	327281.503	1.526	327281.503			ug/L
	Hg	202	97.867	8.337	0.000	0.02701	9.32	ug/L
	Tl	205	5702.413	23.638	0.015	0.20192	25.85	ug/L
	Pb	208	581.347	2.839	-0.000	-0.00016	174.46	ug/L

⌈	Na	23	26962.485	0.641	-0.000	-0.00843	211.36	ug/L
|	Mg	24	3238.337	14.225	-0.002	-0.21519	34.26	ug/L
|	K	39	846149.561	0.614	0.029	1.96387	40.04	ug/L
|	Ca	43	1261.762	1.111	0.000	6.33877	16.20	ug/L
|	Fe	54	51738.693	1.519	0.004	3.78350	24.45	ug/L
|	Fe	57	11365.084	3.416	0.002	3.68395	21.86	ug/L
⌊>	Sc-1	45	882731.293	1.031	882731.293			ug/L
	Kr	83	149.003	8.878	-8.000			ug/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Be	9					
	B	11					
	Al	27					
>	Sc	45		96.282			
	Ti	47					
	V	51					
	Cr	52					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
>	Ge	72		97.612			
	As	75					
	Se	82					
	Sr	88					
	Mo	95					
	Mo	98					
	Ag	107					
	Cd	111					
	Cd	114					
>	In	115		97.505			
	Sn	118					
	Sb	121					
	Sb	123					
	Ba	135					
	Ba	137					
>	Tb	159		99.013			
	Hg	202					
	Tl	205					
	Pb	208					
	Na	23					
	Mg	24					
	K	39					
	Ca	43					
	Fe	54					
	Fe	57					
>	Sc-1	45		96.282			
	Kr	83					

Calibration Report

Analyte	Mass	Curve Type	Slope	Intercept	Corr Coeff
Be	9.012	Linear Thru Zero	0.000941	0.000	0.999998
B	11.009	Linear Thru Zero	0.001067	0.000	0.999988
Al	26.982	Linear Thru Zero	0.011328	0.000	0.999998
Sc	44.956	Linear Thru Zero	0.000000	0.000	0.000000
Ti	46.952	Linear Thru Zero	0.001189	0.000	0.999994
V	50.944	Linear Thru Zero	0.016121	0.000	0.999988
Cr	51.941	Linear Thru Zero	0.014026	0.000	0.999992
Mn	54.938	Linear Thru Zero	0.022106	0.000	0.999985
Co	58.933	Linear Thru Zero	0.017249	0.000	0.999991
Ni	59.933	Linear Thru Zero	0.003644	0.000	0.999996
Cu	62.930	Linear Thru Zero	0.028387	0.000	1.000000
Cu	64.928	Linear Thru Zero	0.013464	0.000	0.999998
Zn	65.926	Linear Thru Zero	0.007828	0.000	0.999932
Zn	66.927	Linear Thru Zero	0.001367	0.000	0.999252
Zn	67.925	Linear Thru Zero	0.005585	0.000	0.999926
Ge	71.922	Linear Thru Zero	0.000000	0.000	0.000000
As	74.922	Linear Thru Zero	0.007783	0.000	0.999996
Se	81.917	Linear Thru Zero	0.000813	0.000	0.999994
Sr	87.906	Linear Thru Zero	0.095795	0.000	0.999997
Mo	94.906	Linear Thru Zero	0.014212	0.000	0.999999
Mo	97.906	Linear Thru Zero	0.022819	0.000	1.000000
Ag	106.905	Linear Thru Zero	0.043136	0.000	0.999998
Cd	110.904	Linear Thru Zero	0.010430	0.000	0.999999
Cd	113.904	Linear Thru Zero	0.024773	0.000	0.999999
In	114.904	Linear Thru Zero	0.000000	0.000	0.000000
Sn	117.902	Linear Thru Zero	0.030894	0.000	0.999998
Sb	120.904	Linear Thru Zero	0.032013	0.000	1.000000
Sb	122.904	Linear Thru Zero	0.024900	0.000	0.999995
Ba	134.906	Linear Thru Zero	0.006976	0.000	0.999998
Ba	136.905	Linear Thru Zero	0.012082	0.000	1.000000
Tb	158.925	Linear Thru Zero	0.000000	0.000	0.000000
Hg	201.971	Linear Thru Zero	0.008444	0.000	0.999888
Tl	204.975	Linear Thru Zero	0.075719	0.000	0.999961
Pb	207.977	Linear Thru Zero	0.099141	0.000	0.999992
Na	22.990	Linear Thru Zero	0.010948	0.000	0.999993
Mg	23.985	Linear Thru Zero	0.007239	0.000	0.999984
K	38.964	Linear Thru Zero	0.014540	0.000	0.999992
Ca	42.959	Linear Thru Zero	0.000028	0.000	0.999966
Fe	53.940	Linear Thru Zero	0.001050	0.000	0.999980
Fe	56.935	Linear Thru Zero	0.000441	0.000	0.999993
Sc-1	44.956	Linear Thru Zero	0.000000	0.000	0.000000
Kr	82.914	Linear Thru Zero	0.000000	0.000	0.000000

DIGESTION LOG(S)

Microbac Laboratories, Inc.

PREP BATCH REPORT

Prep Batch **56212** Prep Code: **3010** Technician: **Shon Ahrendt**

Prep Start Date: **10/4/2007 8:35:00 AM**
Prep End Date: **10/4/2007 11:35:00 AM**

Sample ID	Matrix	pH	wt (g)	Ini vol (mL)	Sol Added	Sol Recov	Fin Vol (mL)	factor	PrepStart	PrepEnd
LCS071004-2				50	0	0	50	1	10/4/2007	10/4/2007
MB071004-2				50	0	0	50	1	10/4/2007	10/4/2007
ME0710138-07A	Aqueous			50	0	0	50	1	10/4/2007	10/4/2007
ME0710138-13A	Aqueous			1	0	0	50	50	10/4/2007	10/4/2007
ME0710138-14A	Aqueous			50	0	0	50	1	10/4/2007	10/4/2007
ME0710141-01A	Aqueous			50	0	0	50	1	10/4/2007	10/4/2007
ME0710142-01A	Aqueous			50	0	0	50	1	10/4/2007	10/4/2007
ME0710142-02A	Aqueous			50	0	0	50	1	10/4/2007	10/4/2007
ME0710143-01A	Aqueous			50	0	0	50	1	10/4/2007	10/4/2007
ME0710178-02C	Aqueous			50	0	0	50	1	10/4/2007	10/4/2007
ME0710178-03C	Aqueous			50	0	0	50	1	10/4/2007	10/4/2007
ME0710178-04C	Aqueous			50	0	0	50	1	10/4/2007	10/4/2007
ME0710178-05C	Aqueous			50	0	0	50	1	10/4/2007	10/4/2007
ME0710178-05CM	Aqueous			50	0	0	50	1	10/4/2007	10/4/2007
ME0710178-05CM	Aqueous			50	0	0	50	1	10/4/2007	10/4/2007
ME0710178-06C	Aqueous			50	0	0	50	1	10/4/2007	10/4/2007
ME0710189-01D	Aqueous			50	0	0	50	1	10/4/2007	10/4/2007

MERCURY DATA

RAW DATA

CETAC Hg Analysis Report

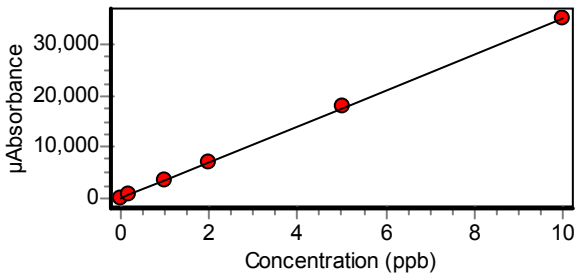
Analyst: mercury2
Worksheet file: C:\Program Files\QuickTrace\Worksheets\HG100807B.wsz
Date Started: 10/8/2007 12:53:37 PM
Comment:

Results

Sample Name					Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags
Calibration Blank					STD	10/08/07 01:21:48 pm	0.000	54	6.37	
Replicates	59.5	51.8	52.4	54.0						
Standard #1					STD	10/08/07 01:23:11 pm	0.200	773	0.98	
Replicates	762.8	773.3	773.5	781.3						
Standard #2					STD	10/08/07 01:24:34 pm	1.000	3509	1.11	
Replicates	3561.7	3514.7	3475.0	3484.2						
Standard #3					STD	10/08/07 01:25:58 pm	2.000	7215	0.64	
Replicates	7161.3	7200.0	7229.7	7270.2						
Standard #4					STD	10/08/07 01:27:23 pm	5.000	17741	0.57	
Replicates	17620.2	17709.0	17776.6	17856.3						
Standard #5					STD	10/08/07 01:28:48 pm	10.000	34842	0.90	
Replicates	34471.7	34726.4	34969.5	35199.1						

Calibration

Equation: A = 54.443 + 3492.947C
R2: 0.99987
SEE: 184.1172
Flags:



ICV					ICV	10/08/07 01:30:37 pm	1.020	3602	1.52	
Replicates	3536.6	3580.6	3629.5	3661.5						
% Recovery	101.57									
ICB					ICB	10/08/07 01:32:04 pm	0.001	58	4.85	
Replicates	54.4	59.3	60.8	56.9						

Sample Name					Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags
MB071008-3					UNK	10/08/07 01:33:28 pm	-0.018	-7	44.67	
	Replicates	-2.4	-8.1	-8.9	-6.7					
LCS071008-3					UNK	10/08/07 01:34:52 pm	1.940	6845	0.67	
	Replicates	6790.9	6826.4	6869.0	6893.9					
ME0710249-03A					UNK	10/08/07 01:36:17 pm	-0.014	4	98.26	
	Replicates	7.2	8.3	-0.5	2.0					
ME0710249-04A					UNK	10/08/07 01:37:42 pm	0.000	56	3.35	
	Replicates	57.8	56.4	53.5	54.7					
ME0710249-04AMS					UNK	10/08/07 01:39:07 pm	1.960	6885	0.85	
	Replicates	6824.7	6857.4	6899.1	6960.7					
ME0710249-04AMSD					UNK	10/08/07 01:40:33 pm	2.010	7073	0.69	
	Replicates	7011.9	7059.0	7094.9	7125.6					
ME0710167-01A					UNK	10/08/07 01:41:59 pm	-0.032	-57	8.28	
	Replicates	-52.1	-55.9	-56.7	-63.4					
ME0710167-02A					UNK	10/08/07 01:43:26 pm	-0.020	-14	12.15	
	Replicates	-12.1	-14.3	-15.6	-12.4					
ME0710167-03A					UNK	10/08/07 01:44:53 pm	-0.018	-9	61.13	
	Replicates	-3.3	-5.9	-15.5	-13.0					
ME0710268-01A					UNK	10/08/07 01:46:20 pm	-0.016	-2	241.91	
	Replicates	1.6	-1.2	-8.0	0.5					
CCV					CCV	10/08/07 01:47:47 pm	5.120	17942	0.33	
	Replicates	17865.4	17927.5	17975.2	17999.5					
	% Recovery	102.42								
CCB					CCB	10/08/07 01:49:15 pm	-0.003	46	5.99	
	Replicates	46.7	44.6	42.6	48.9					

Sample Name					Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags
ME0710255-04A					UNK	10/08/07 01:50:43 pm	-0.013	7	104.74	
	Replicates	7.7	-3.1	9.4	15.6					
ME0710255-05A					UNK	10/08/07 01:52:10 pm	-0.006	34	13.52	
	Replicates	34.3	40.0	28.6	35.0					
ME0710255-05AMS					UNK	10/08/07 01:53:35 pm	1.880	6616	0.72	
	Replicates	6567.7	6592.4	6627.0	6677.8					
ME0710255-05AMSD					UNK	10/08/07 01:54:59 pm	1.930	6783	0.54	
	Replicates	6738.1	6772.8	6794.9	6824.4					
ME0710276-01A					UNK	10/08/07 01:56:24 pm	-0.019	-13	22.32	
	Replicates	-15.4	-15.0	-9.7	-10.9					
MB071008-4					UNK	10/08/07 01:57:50 pm	-0.021	-19	11.96	
	Replicates	-15.3	-19.8	-20.1	-19.1					
LCS071008-4					UNK	10/08/07 01:59:15 pm	1.930	6802	0.76	
	Replicates	6740.5	6785.1	6819.1	6862.0					
ME0710286-01A					UNK	10/08/07 02:00:41 pm	-0.022	-22	53.76	
	Replicates	-8.3	-16.2	-28.1	-34.2					
ME0710255-03A					UNK	10/08/07 02:02:08 pm	-0.017	-6	33.27	
	Replicates	-5.5	-4.8	-5.8	-9.5					
ME0710255-03AMS					UNK	10/08/07 02:03:34 pm	1.950	6881	1.05	
	Replicates	6798.2	6847.6	6912.5	6963.7					
CCV					CCV	10/08/07 02:05:02 pm	4.970	17402	1.16	
	Replicates	17128.5	17379.4	17511.1	17589.2					
	% Recovery	99.33								
CCB					CCB	10/08/07 02:06:30 pm	0.015	108	3.78	
	Replicates	103.2	107.0	111.7	111.6					

Sample Name					Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags
ME0710255-03AMSD					UNK	10/08/07 02:07:57 pm	1.910	6735	1.04	
Replicates	6650.1	6713.1	6762.2	6814.8						
MB071006-7					UNK	10/08/07 02:09:24 pm	-0.007	30	10.53	
Replicates	31.0	28.6	27.2	34.5						
LCS071006-7					UNK	10/08/07 02:10:52 pm	1.910	6741	0.91	
Replicates	6667.7	6717.5	6770.4	6808.9						
ME0710178-02C					UNK	10/08/07 02:12:20 pm	-0.002	46	6.51	
Replicates	43.9	49.3	48.7	43.7						
ME0710178-~~3C~~ [1]					UNK	10/08/07 02:13:45 pm	-0.008	26	4.92	
Replicates	25.0	27.8	25.9	27.2						
ME0710178-04C					UNK	10/08/07 02:15:10 pm	-0.007	29	7.27	
Replicates	30.1	31.1	26.4	28.0						
ME0710178-05C					UNK	10/08/07 02:16:35 pm	-0.002	46	9.93	
Replicates	46.9	41.2	43.8	51.8						
ME0710178-05CMS					UNK	10/08/07 02:18:00 pm	1.920	6765	0.66	
Replicates	6708.1	6756.4	6779.7	6815.3						
ME0710178-05CMSD					UNK	10/08/07 02:19:26 pm	1.880	6636	0.49	
Replicates	6599.6	6624.1	6643.9	6676.4						
ME0710178-06C					UNK	10/08/07 02:20:53 pm	-0.013	10	87.73	
Replicates	20.1	14.9	5.6	0.2						
CCV					CCV	10/08/07 02:22:20 pm	5.040	17669	0.72	
Replicates	17510.8	17634.5	17723.2	17809.0						
% Recovery	100.86									
CCB					CCB	10/08/07 02:23:48 pm	-0.007	31	19.10	
Replicates	38.9	30.6	25.6	27.5						

Sample Name					Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags
ME0710207-09B					UNK	10/08/07 02:25:15 pm	-0.001	53	2.32	
Replicates	52.0	52.9	51.4	54.2						
ME0710205-01C					UNK	10/08/07 02:26:42 pm	-0.003	44	1.89	
Replicates	43.8	43.4	45.3	44.6						
ME0710205-01CMS					UNK	10/08/07 02:28:09 pm	1.890	6664	0.53	
Replicates	6623.2	6651.8	6675.4	6706.5						
ME0710205-01CMSD					UNK	10/08/07 02:29:37 pm	1.910	6712	0.66	
Replicates	6657.4	6701.7	6726.1	6762.9						
ME0710255-02A					UNK	10/08/07 02:43:06 pm	0.008	84	3.16	
Replicates	81.9	81.2	85.2	86.7						
ME0710255-02AMS					UNK	10/08/07 02:44:32 pm	1.270	4498	1.81	
Replicates	4406.1	4464.4	4525.5	4595.4						
ME0710255-02AMSD					UNK	10/08/07 02:45:59 pm	1.170	4154	2.07	
Replicates	4061.8	4109.4	4190.2	4255.7						
ME0710255-02APDS					UNK	10/08/07 02:47:26 pm	1.600	5626	2.86	
Replicates	5441.0	5556.1	5697.8	5808.5						
~~ME071025-01A~~ [2]					UNK	10/08/07 03:13:46 pm	0.006	76	5.29	
Replicates	73.0	75.3	74.3	82.0						
CCV					CCV	10/08/07 03:15:13 pm	4.840	16970	1.62	
Replicates	16668.5	16841.3	17074.1	17297.5						
% Recovery	96.86									
CCB					CCB	10/08/07 03:16:42 pm	-0.035	-67	13.61	
Replicates	-55.5	-64.9	-75.8	-73.3						

Summary of Comments

Number of Comments: 2

1: metals1: StrikeOut: October 08, 2007 15:32 page 4: "3C:misentered sample fraction, should be -03C AC"
2: metals1: StrikeOut: October 08, 2007 15:32 page 5: "ME071025-01A:misenterd sample ID, ME0710255-01A AC"

DIGESTION LOG(S)

Microbac Laboratories, Inc.

PREP BATCH REPORT

Prep Batch **56285** Prep Code: **HGPREP_W** Technician: **Amanda Couch**

Prep Start Date: **10/6/2007 10:35:00 AM**
Prep End Date: **10/6/2007 12:35:00 PM**

Sample ID	Matrix	pH	wt (g)	Ini vol (mL)	Sol Added	Sol Recov	Fin Vol (mL)	factor	PrepStart	PrepEnd
LCS071006-7				25	0	0	25	1	10/6/2007	10/6/2007
MB071006-7				25	0	0	25	1	10/6/2007	10/6/2007
ME0710178-02C	Aqueous			25	0	0	25	1	10/6/2007	10/6/2007
ME0710178-03C	Aqueous			25	0	0	25	1	10/6/2007	10/6/2007
ME0710178-04C	Aqueous			25	0	0	25	1	10/6/2007	10/6/2007
ME0710178-05C	Aqueous			25	0	0	25	1	10/6/2007	10/6/2007
ME0710178-05CM	Aqueous			25	0	0	25	1	10/6/2007	10/6/2007
ME0710178-05CM	Aqueous			25	0	0	25	1	10/6/2007	10/6/2007
ME0710178-06C	Aqueous			25	0	0	25	1	10/6/2007	10/6/2007
ME0710205-01C	Aqueous			25	0	0	25	1	10/6/2007	10/6/2007
ME0710205-01CM	Aqueous			25	0	0	25	1	10/6/2007	10/6/2007
ME0710205-01CM	Aqueous			25	0	0	25	1	10/6/2007	10/6/2007
ME0710207-09B	Aqueous			25	0	0	25	1	10/6/2007	10/6/2007

PCB/PESTICIDE RAW DATA

METHOD BLANK RAW DATA

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100807\C100827.D
Acq On : 8 Oct 2007 23:53
Sample : ,mblk,bk-3-100607,1,
Misc : 8081-82_pestpcb_w
IntFile : EVENTS.E
Quant Time: Oct 9 8:48 2007 Quant Results File: CPESTK.RES

Vial: 20
Operator: als
Inst : #2 ECD
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Tetrachloro-m-xylene	3.73	298433	0.014 ug/ml
Spiked Amount 0.020	Recovery	=	70.00%
2) S Decachlorobiphenyl	20.50	653270	0.017 ug/ml
Spiked Amount 0.020	Recovery	=	85.00%
Target Compounds			
3) alpha-BHC	0.00	0	N.D. ug/mld
4) gamma-BHC	0.00	0	N.D. ug/mld
5) beta-BHC	0.00	0	N.D. ug/mld
6) delta-BHC	0.00	0	N.D. ug/mld
7) Heptachlor	0.00	0	N.D. ug/mld
8) Aldrin	0.00	0	N.D. ug/mld
9) Heptachlor epoxide	0.00	0	N.D. ug/mld
10) Endosulfan I	0.00	0	N.D. ug/mld
11) 4,4'-DDE	0.00	0	N.D. ug/mld
12) Dieldrin	0.00	0	N.D. ug/mld
13) Endrin	0.00	0	N.D. ug/mld
14) Endosulfan II	0.00	0	N.D. ug/mld
15) 4,4'-DDD	0.00	0	N.D. ug/mld
16) Endrin Aldehyde	0.00	0	N.D. ug/mld
17) 4,4'-DDT	0.00	0	N.D. ug/mld
18) Endosulfan Sulfate	0.00	0	N.D. ug/mld
19) Endrin Ketone	0.00	0	N.D. ug/mld
20) Methoxychlor	0.00	0	N.D. ug/mld

AS 10/9/07

(f)=RT Delta > 1/2 Window (m)=manual int.

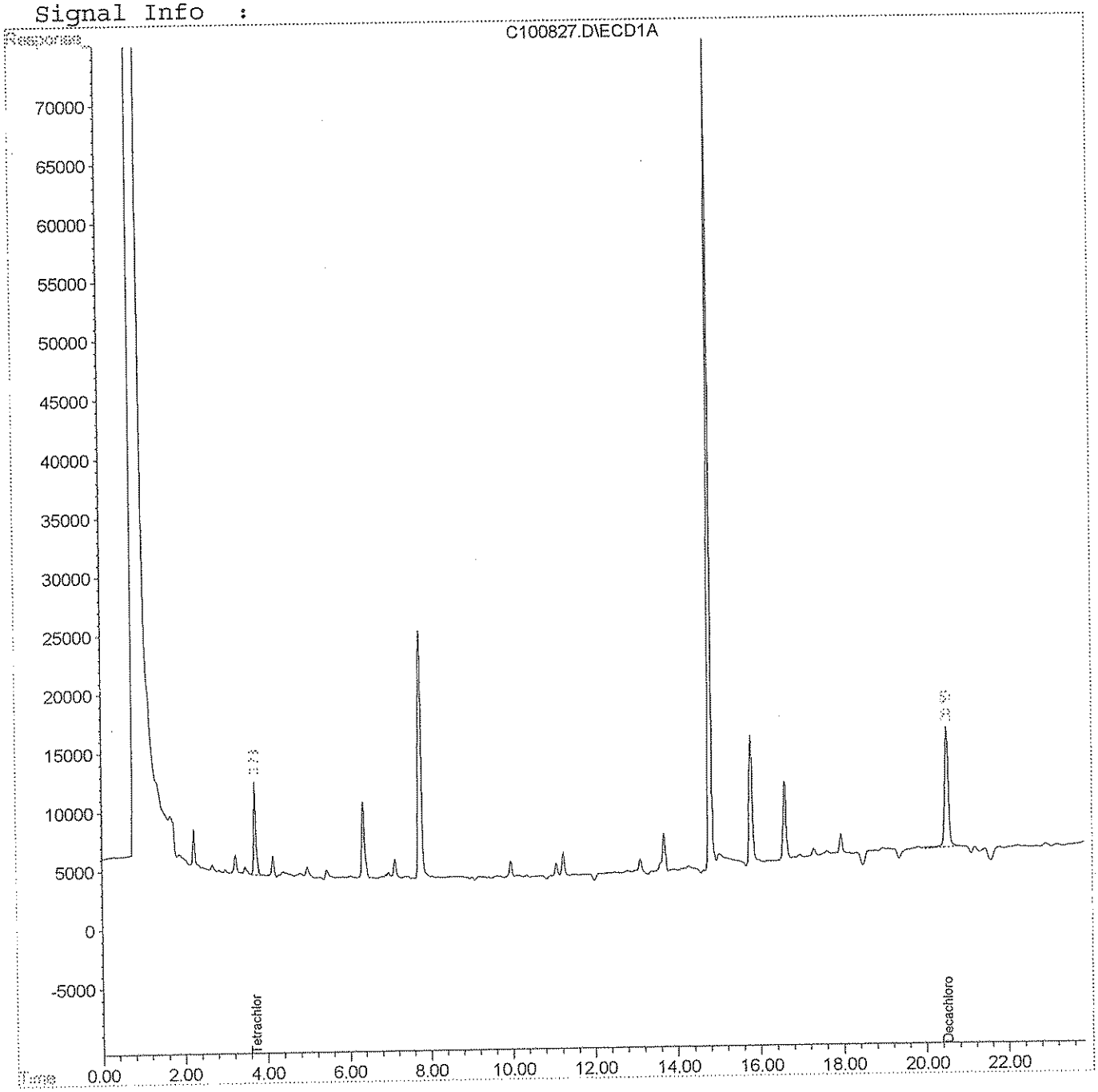
Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100807\C100827.D
Acq On : 8 Oct 2007 23:53
Sample : ,mblk,bk-3-100607,1,
Misc : 8081-82_pestpcb_w
IntFile : EVENTS.E
Quant Time: Oct 9 8:48 2007 Quant Results File: CPESTK.RES

Vial: 20
Operator: als
Inst : #2 ECD
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



LABORATORY CONTROL SAMPLE RAW DATA

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100807\C100828.D Vial: 21
Acq On : 9 Oct 2007 00:20 Operator: als
Sample : ,lcs,lcs-3a-100607,1, Inst : #2 ECD
Misc : 8081-82_pestpcb_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 9 8:49 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Tetrachloro-m-xylene	3.73	380206	0.018 ug/ml
Spiked Amount 0.020	Recovery	=	90.00%
2) S Decachlorobiphenyl	20.50	588366	0.016 ug/mlm3
Spiked Amount 0.020	Recovery	=	80.00%
Target Compounds			
3) alpha-BHC	4.75	1117934	0.041 ug/ml
4) gamma-BHC	5.57	1109361	0.039 ug/ml
5) beta-BHC	6.26	582914	0.038 ug/ml
6) delta-BHC	6.84	788438	0.028 ug/ml
7) Heptachlor	7.13	1158147	0.038 ug/ml
8) Aldrin	8.05	943693	0.035 ug/ml
9) Heptachlor epoxide	9.42	1023973	0.042 ug/ml
10) Endosulfan I	10.53	975607	0.044 ug/ml
11) 4,4'-DDE	11.35	973120	0.038 ug/ml
12) Dieldrin	11.42	980273	0.038 ug/ml
13) Endrin	12.09	830560	0.039 ug/ml
14) Endosulfan II	12.89	943874	0.041 ug/ml
15) 4,4'-DDD	13.01	691609	0.037 ug/ml
16) Endrin Aldehyde	13.33	774616	0.034 ug/ml
17) 4,4'-DDT	14.01	760743	0.037 ug/ml
18) Endosulfan Sulfate	14.11	835115	0.037 ug/ml
19) Endrin Ketone	15.51	1195142	0.040 ug/ml
20) Methoxychlor	15.81	1296268	0.064 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

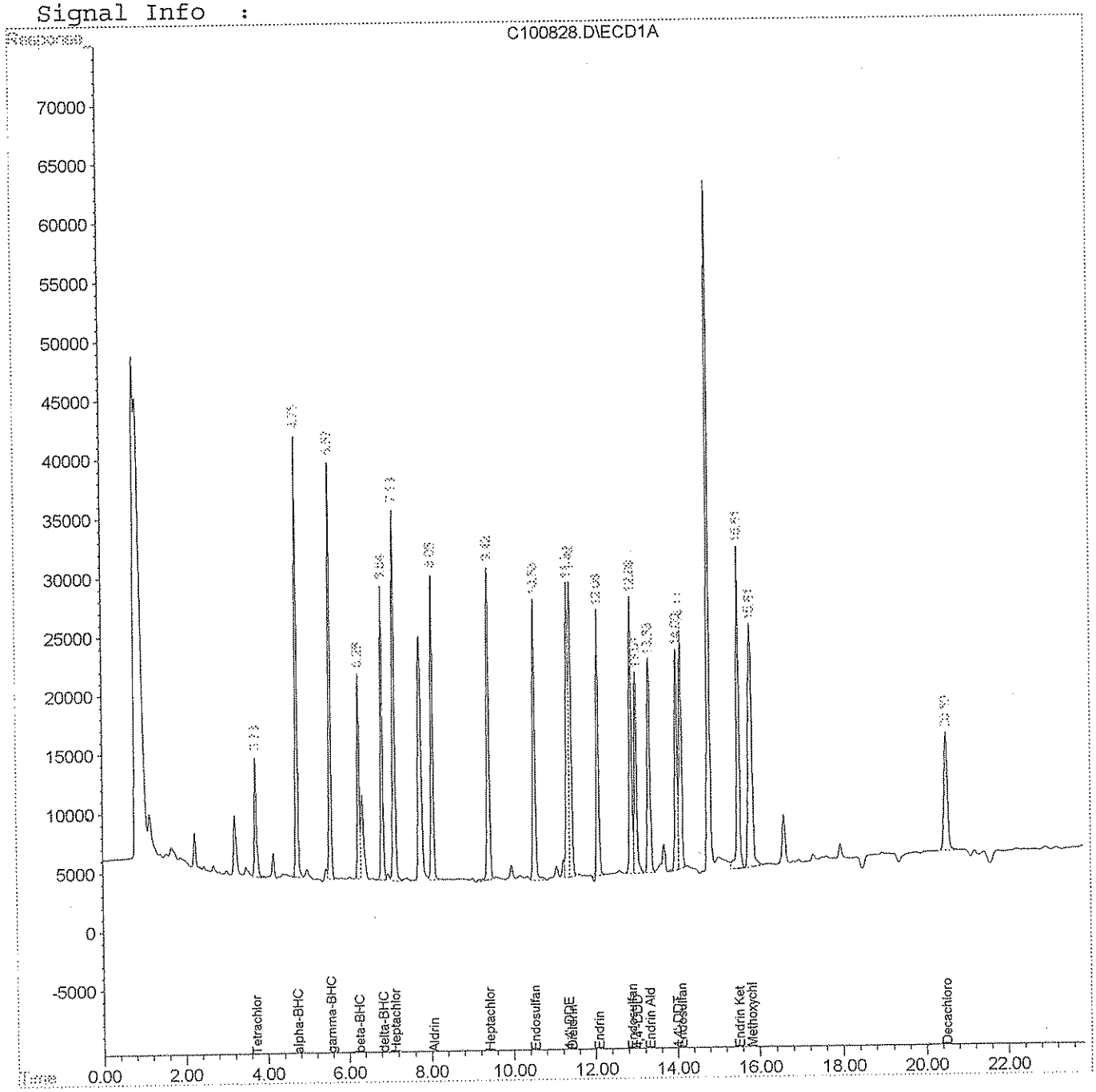
Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100807\C100828.D
Acq On : 9 Oct 2007 00:20
Sample : ,lcs,lcs-3a-100607,1,
Misc : 8081-82_pestpcb_w
IntFile : EVENTS.E
Quant Time: Oct 9 8:49 2007 Quant Results File: CPESTK.RES

Vial: 21
Operator: als
Inst : #2 ECD
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100807\C100829.D Vial: 22
Acq On : 9 Oct 2007 00:48 Operator: als
Sample : ,lcs,lcs-3b-100607,1, Inst : #2 ECD
Misc : 8081-82_pestpcb_w Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 9 8:49 2007 Quant Results File: C1660G.RES

Quant Method : C:\HPCHEM\2\METHODS\C1660G.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-Col A-MR-1-Ar 1660-mtd 8082
Last Update : Mon Oct 08 13:35:17 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1)	S Tetrachloro-m-xylene	3.73	359598	0.015 ug/ml
2)	S Decachlorobiphenyl	20.50	588855	0.014 ug/ml
	Target Compounds			
3)	Ar1016peak1	4.69	218269	0.437 ug/ml
4)	Ar1016peak2	6.09	290080	0.449 ug/ml
5)	Ar1016peak3	6.96	860243	0.419 ug/ml
6)	Ar1016peak4	7.14	374076	0.413 ug/ml
7)	Ar1016peak5	7.41	274715	0.415 ug/ml
8)	Ar1260peak1	13.86	950392	0.421 ug/ml
9)	Ar1260peak2	14.19	608405	0.387 ug/ml
10)	Ar1260peak3	14.37	334790	0.427 ug/ml
11)	Ar1260peak4	14.80	3286781	2.241 ug/ml
12)	Ar1260peak5	16.82	825779	0.356 ug/ml

10/9/07

(f)=RT Delta > 1/2 Window (m)=manual int.

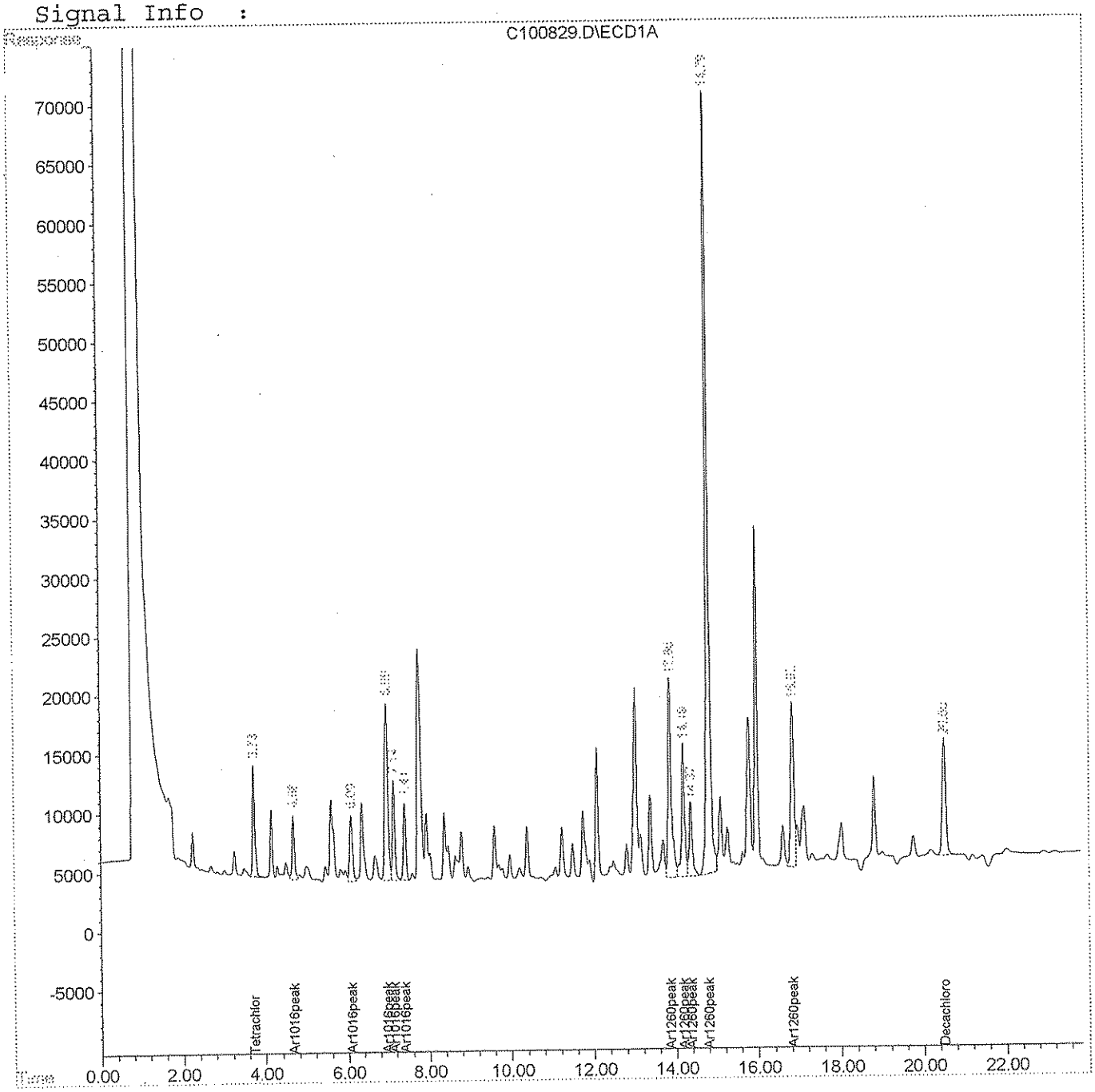
Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100807\C100829.D
Acq On : 9 Oct 2007 00:48
Sample : ,lcs,lcs-3b-100607,1,
Misc : 8081-82_pestpcb_w
IntFile : events.e
Quant Time: Oct 9 8:49 2007 Quant Results File: C1660G.RES

Vial: 22
Operator: als
Inst : #2 ECD
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\C1660G.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-Col A-MR-1-Ar 1660-mtd 8082
Last Update : Mon Oct 08 13:35:17 2007
Response via : Single Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



MATRIX SPIKE/MATRIX SPIKE DUPLICATE RAW DATA

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100807\C100834.D Vial: 27
Acq On : 9 Oct 2007 3:07 Operator: als
Sample : ,ms,me0710178-05bms,1, Inst : #2 ECD
Misc : 8081-82_pestpcb_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 9 8:53 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Tetrachloro-m-xylene	3.73	367339	0.017 ug/ml
Spiked Amount 0.020	Recovery	=	85.00%
2) S Decachlorobiphenyl	20.50	645109	0.017 ug/ml
Spiked Amount 0.020	Recovery	=	85.00%
Target Compounds			
3) alpha-BHC	4.75	1106636	0.040 ug/ml
4) gamma-BHC	5.57	1111603	0.039 ug/ml
5) beta-BHC	6.26	591975	0.039 ug/ml
6) delta-BHC	6.84	793840	0.028 ug/ml
7) Heptachlor	7.13	1159683	0.038 ug/ml
8) Aldrin	8.05	991458	0.037 ug/ml
9) Heptachlor epoxide	9.42	1036581	0.043 ug/ml
10) Endosulfan I	10.53	991696	0.044 ug/ml
11) 4,4'-DDE	11.34	991781	0.039 ug/ml
12) Dieldrin	11.42	1025002	0.040 ug/ml
13) Endrin	12.09	904777	0.042 ug/ml
14) Endosulfan II	12.89	975204	0.042 ug/ml
15) 4,4'-DDD	13.01	731430	0.039 ug/ml
16) Endrin Aldehyde	13.33	803332	0.035 ug/ml
17) 4,4'-DDT	14.01	797749	0.039 ug/ml
18) Endosulfan Sulfate	14.11	867772	0.038 ug/ml
19) Endrin Ketone	15.52	1246758	0.042 ug/ml
20) Methoxychlor	15.81	1338646	0.066 ug/ml

AS 10/9/07

(f)=RT Delta > 1/2 Window (m)=manual int.

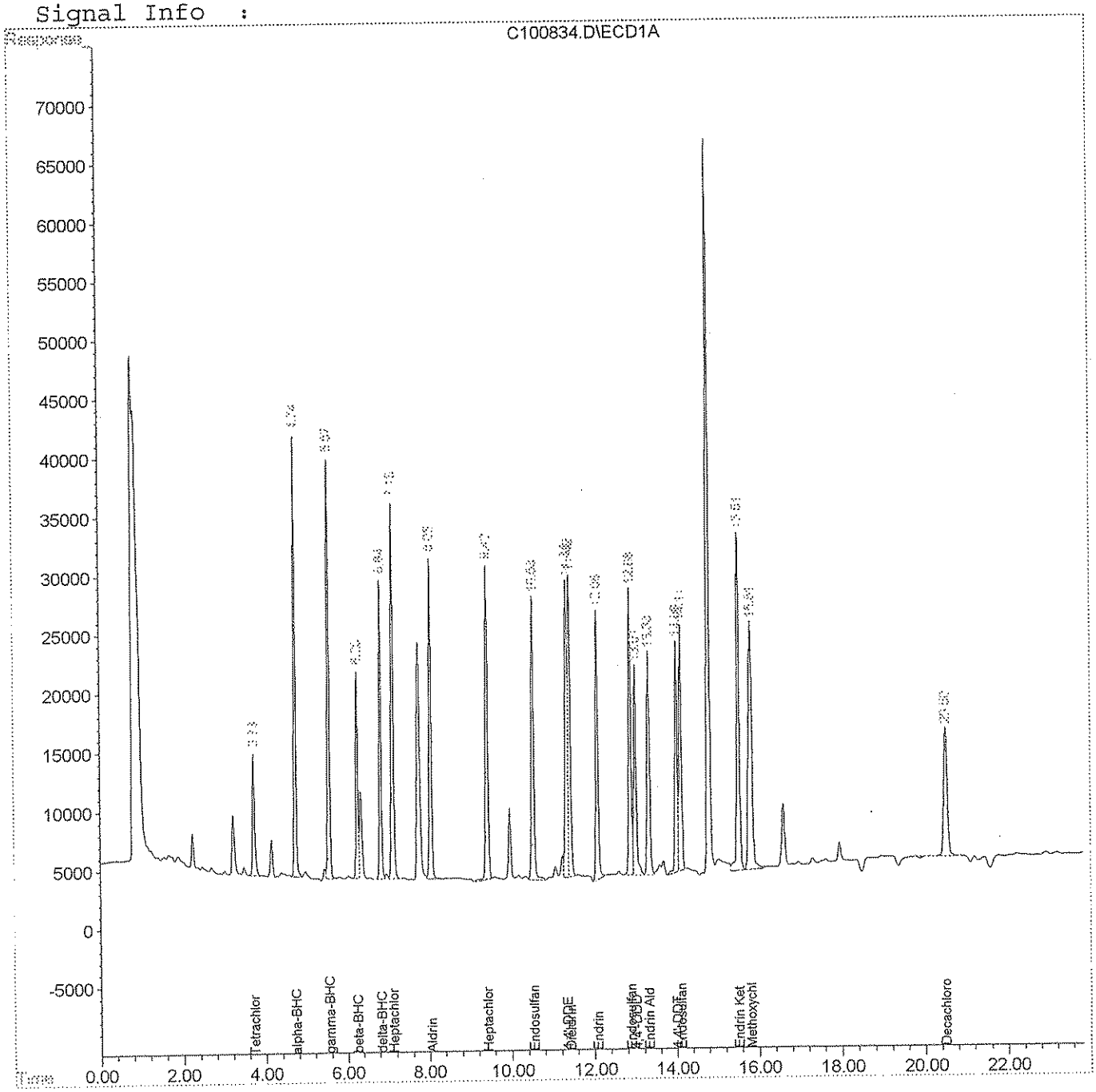
Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100807\C100834.D
Acq On : 9 Oct 2007 3:07
Sample : ,ms,me0710178-05bms,1,
Misc : 8081-82_pestpcb_w
IntFile : EVENTS.E
Quant Time: Oct 9 8:53 2007 Quant Results File: CPESTK.RES

Vial: 27
Operator: als
Inst : #2 ECD
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100807\C100835.D Vial: 28
Acq On : 9 Oct 2007 3:34 Operator: als
Sample : ,msd,me0710178-05bmsd,1, Inst : #2 ECD
Misc : 8081-82_pestpcb_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 9 8:53 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Tetrachloro-m-xylene	3.73	378837	0.018 ug/ml
Spiked Amount 0.020	Recovery	=	90.00%
2) S Decachlorobiphenyl	20.50	661737	0.018 ug/ml
Spiked Amount 0.020	Recovery	=	90.00%
Target Compounds			
3) alpha-BHC	4.75	1160617	0.042 ug/ml
4) gamma-BHC	5.57	1132945	0.040 ug/ml
5) beta-BHC	6.26	599688	0.039 ug/ml
6) delta-BHC	6.84	807999	0.028 ug/ml
7) Heptachlor	7.13	1191987	0.039 ug/ml
8) Aldrin	8.05	998504	0.037 ug/ml
9) Heptachlor epoxide	9.42	1044601	0.043 ug/ml
10) Endosulfan I	10.53	944381	0.042 ug/ml
11) 4,4'-DDE	11.35	1008706	0.039 ug/ml
12) Dieldrin	11.42	1012422	0.040 ug/ml
13) Endrin	12.09	851724	0.040 ug/ml
14) Endosulfan II	12.89	972208	0.042 ug/ml
15) 4,4'-DDD	13.01	726508	0.039 ug/ml
16) Endrin Aldehyde	13.33	811554	0.036 ug/ml
17) 4,4'-DDT	14.00	796768	0.039 ug/ml
18) Endosulfan Sulfate	14.11	858139	0.038 ug/ml
19) Endrin Ketone	15.52	1195897	0.040 ug/ml
20) Methoxychlor	15.81	1307029	0.064 ug/ml

AS 10/9/07

(f)=RT Delta > 1/2 Window (m)=manual int.

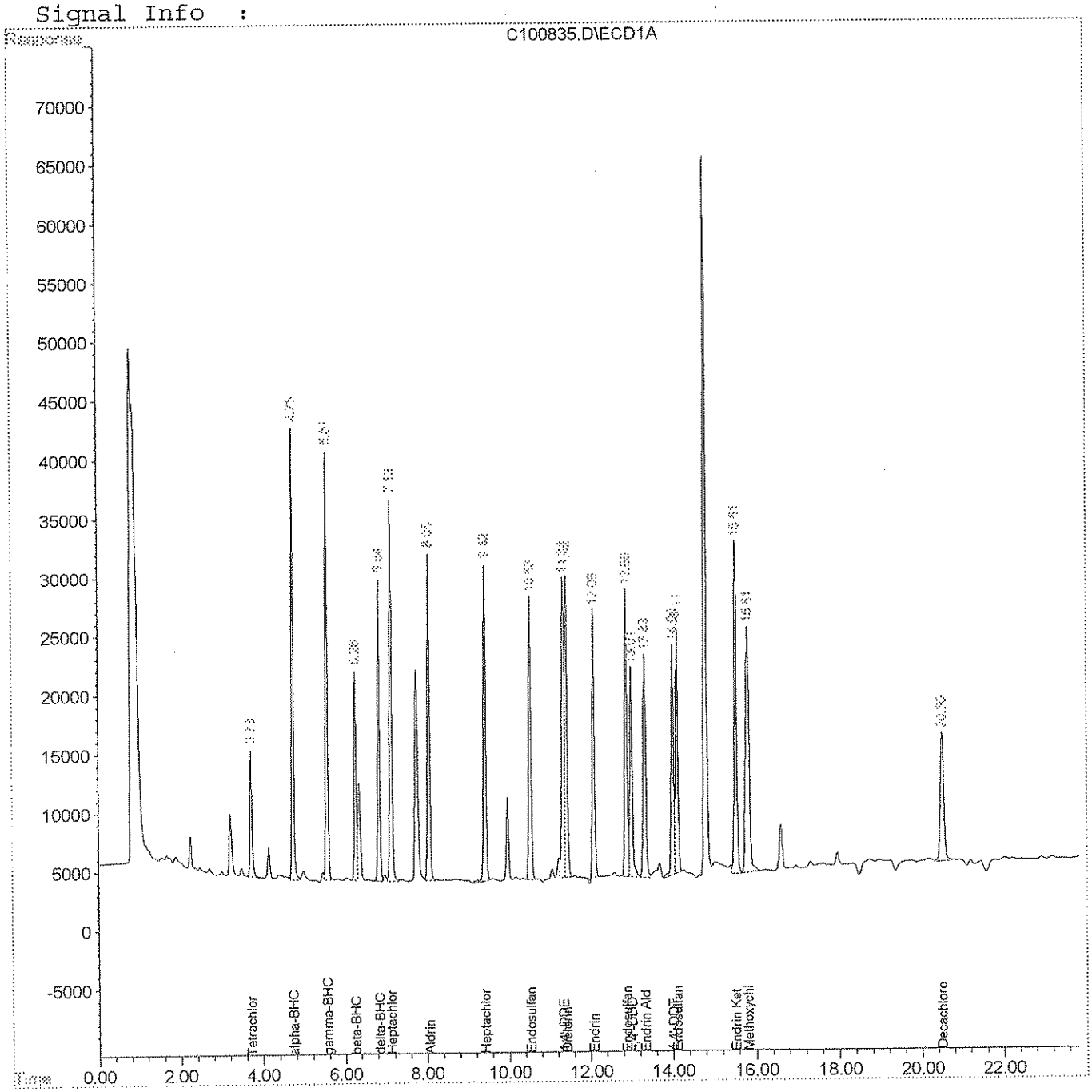
Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100807\C100835.D
Acq On : 9 Oct 2007 3:34
Sample : ,msd,me0710178-05bmsd,1,
Misc : 8081-82_pestpcb_w
IntFile : EVENTS.E
Quant Time: Oct 9 8:53 2007 Quant Results File: CPESTK.RES

Vial: 28
Operator: als
Inst : #2 ECD
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



INITIAL CALIBRATION RAW DATA

Response Factor Report #2 ECD

Method : C:\HPCHEM\2\METHODS\C1660G.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-Col A-MR-1-Ar 1660-mtd 8082/~~608~~
Last Update : Mon Oct 08 13:35:17 2007

Calibration Files — not used in ICAL AS101807

0.05	=C100521.D	~~0.10~~	~~=C100522~~.D	0.20	=C100523.D
0.5	=C100524.D	1.0	=C100525.D	2.00	=C100526.D

		Compound	0.05	0.10	0.20	0.5	1.0	2.00	Avg	%RSD
1)	S	Tetrachloro-m-xylen	2.222		2.467	2.369	2.296	2.292	2.329 E7	3.99
2)	S	Decachlorobiphenyl	4.223		4.527	4.241	3.973	3.835	4.160 E7	6.42
3)		Ar1016peak1	5.630		5.724	4.989	4.522	4.129	4.999 E5	13.82
4)		Ar1016peak2	6.898		7.232	6.559	5.976	5.662	6.465 E5	9.99
5)		Ar1016peak3 Avg = 12.82.	2.352		2.352	2.062	1.812	1.694	2.055 E6	14.72
6)		Ar1016peak4	1.081		1.049	0.896	0.776	0.725	0.905 E6	17.54
7)		Ar1016peak5	6.815		7.295	6.820	6.160	6.045	6.627 E5	7.82
8)		Ar1260peak1	2.347		2.503	2.315	2.106	2.029	2.260 E6	8.47
9)		Ar1260peak2	1.698		1.748	1.610	1.443	1.366	1.573 E6	10.42
10)		Ar1260peak3 Avg = 8.12.	7.663		8.396	8.139	7.597	7.448	7.849 E5	5.19
11)		Ar1260peak4	1.421		1.741	1.475	1.372	1.327	1.467 E6	11.09
12)		Ar1260peak5	2.214		2.504	2.409	2.258	2.218	2.320 E6	5.58

AS101807

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100507\C100521.D Vial: 12
Acq On : 5 Oct 2007 21:01 Operator: als
Sample : ,ical,ar1660 lin 1 0.05ug/ml,1, Inst : #2 ECD
Misc : 8081pcb_w Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 8 13:29 2007 Quant Results File: C1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\C1660F.M (Chemstation Integrator)
Title : 09/18/07-ECD#2-Col A-DB608-Ar 1660-mtd 8082/608
Last Update : Mon Oct 08 13:28:27 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	Tetrachloro-m-xylene	3.72	44438	0.002 ug/ml
2)	S	Decachlorobiphenyl	20.50	84452	0.003 ug/mlm3
		Target Compounds			
3)		Ar1016peak1	4.68	28150	0.057 ug/ml
4)		Ar1016peak2	6.09	34488	0.033 ug/ml
5)		Ar1016peak3	6.96	117613	0.058 ug/ml
6)		Ar1016peak4	7.14	54042	0.072 ug/ml
7)		Ar1016peak5	7.41	34073	0.066 ug/ml
8)		Ar1260peak1	13.86	117351	0.239 ug/ml
9)		Ar1260peak2	14.19	84908	0.105 ug/ml
10)		Ar1260peak3	14.37	38317	0.018 ug/ml
11)		Ar1260peak4	14.85	71043	0.104 ug/ml
12)		Ar1260peak5	16.83	110709	0.099 ug/ml

As 10/8/07

m 10/8/07

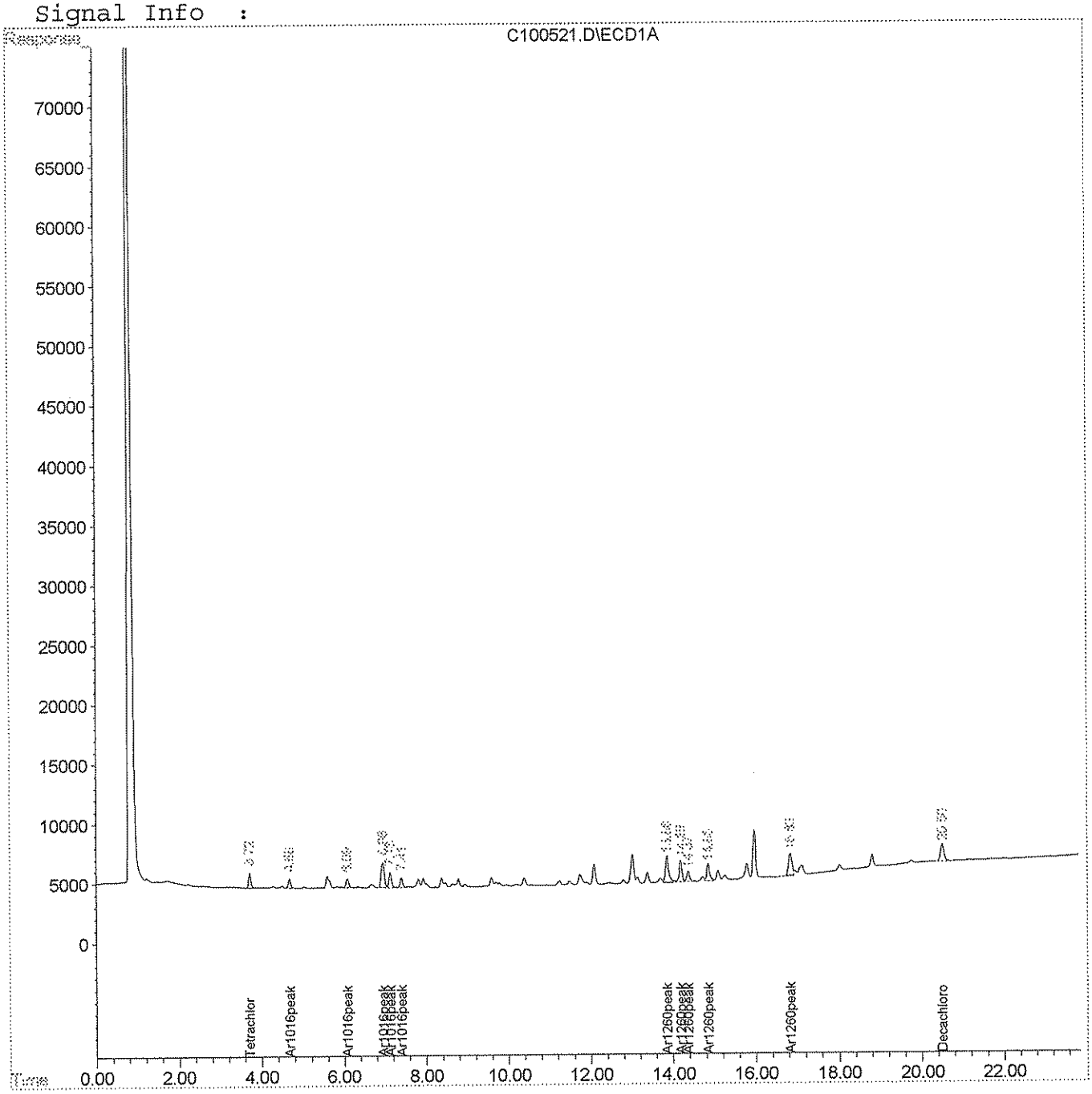
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100507\C100521.D Vial: 12
Acq On : 5 Oct 2007 21:01 Operator: als
Sample : ,ical,ar1660 lin 1 0.05ug/ml,1, Inst : #2 ECD
Misc : 8081pcb_w Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 8 13:29 2007 Quant Results File: C1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\C1660F.M (Chemstation Integrator)
Title : 09/18/07-ECD#2-Col A-DB608-Ar 1660-mtd 8082/608
Last Update : Mon Oct 08 13:28:27 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100507\C100522.D Vial: 13
Acq On : 5 Oct 2007 21:28 Operator: als
Sample : ,ical,ar1660 lin 2 0.1ug/ml,1, Inst : #2 ECD
Misc : 8081pcb_w Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 8 13:29 2007 Quant Results File: C1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\C1660F.M (Chemstation Integrator)
Title : 09/18/07-ECD#2-Col A-DB608-Ar 1660-mtd 8082/608
Last Update : Mon Oct 08 13:28:27 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	Tetrachloro-m-xylene	3.72	100856	0.005 ug/ml
2)	S	Decachlorobiphenyl	20.50	189364	0.006 ug/mlm3
		Target Compounds			
3)		Ar1016peak1	4.68	61692	0.124 ug/ml
4)		Ar1016peak2	6.09	76921	0.074 ug/ml
5)		Ar1016peak3	6.96	256086	0.127 ug/ml
6)		Ar1016peak4	7.13	128521	0.171 ug/ml
7)		Ar1016peak5	7.41	77352	0.150 ug/ml
8)		Ar1260peak1	13.86	257162	0.524 ug/ml
9)		Ar1260peak2	14.19	189505	0.235 ug/ml
10)		Ar1260peak3	14.37	87636	0.041 ug/ml
11)		Ar1260peak4	14.85	165287	0.242 ug/ml
12)		Ar1260peak5	16.83	260348	0.234 ug/ml

AS 10/8/07

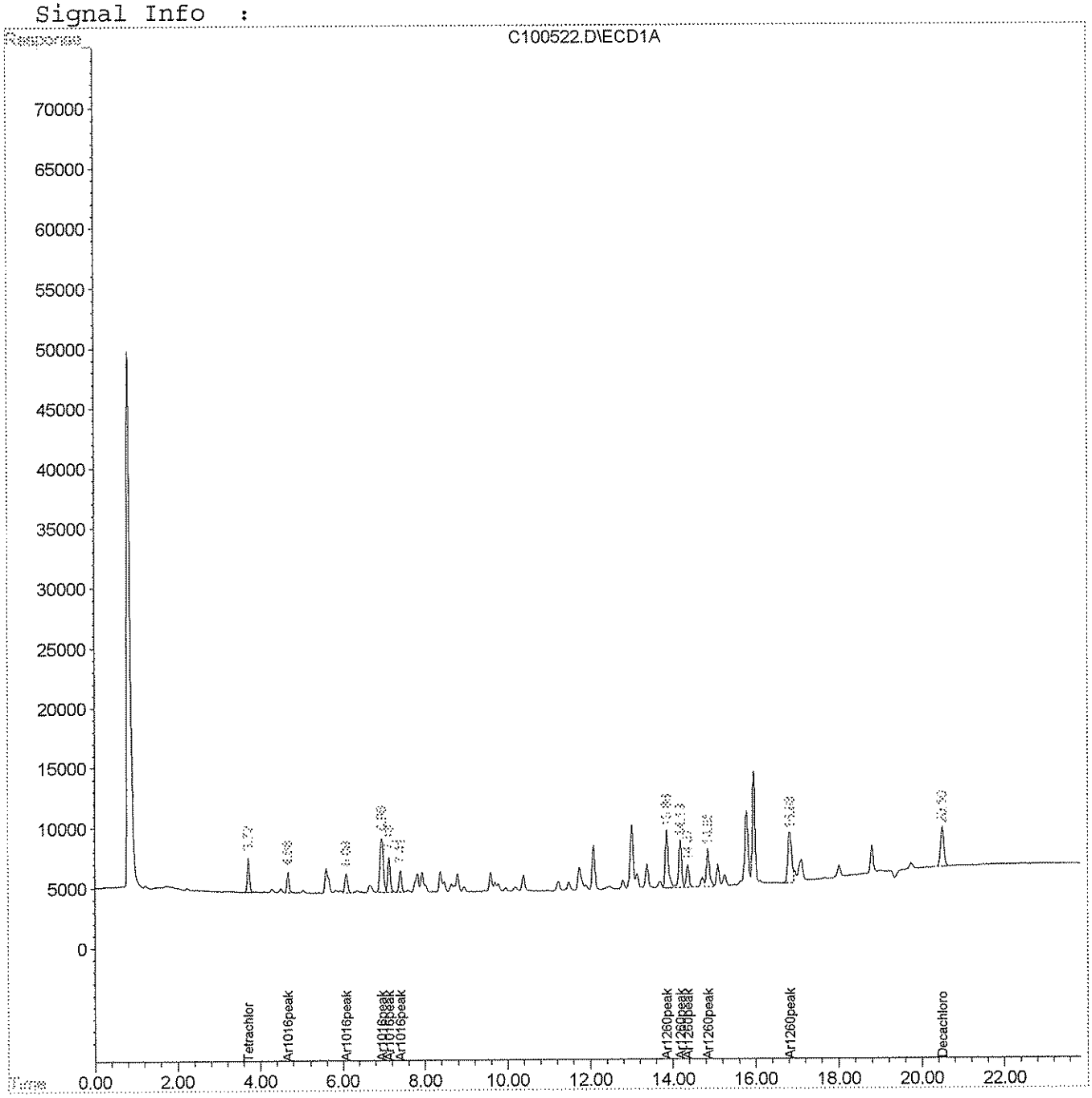
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100507\C100522.D Vial: 13
Acq On : 5 Oct 2007 21:28 Operator: als
Sample : ,ical,ar1660 lin 2 0.1ug/ml,1, Inst : #2 ECD
Misc : 8081pcb_w Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 8 13:29 2007 Quant Results File: C1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\C1660F.M (Chemstation Integrator)
Title : 09/18/07-ECD#2-Col A-DB608-Ar 1660-mtd 8082/608
Last Update : Mon Oct 08 13:28:27 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100507\C100523.D Vial: 14
Acq On : 5 Oct 2007 21:56 Operator: als
Sample : ,ical,ar1660 lin 3 0.2ug/ml,1, Inst : #2 ECD
Misc : 8081pcb_w Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 8 13:28 2007 Quant Results File: C1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\C1660F.M (Chemstation Integrator)
Title : 09/18/07-ECD#2-Col A-DB608-Ar 1660-mtd 8082/608
Last Update : Mon Oct 08 13:28:27 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	Tetrachloro-m-xylene	3.72	197364	0.009 ug/ml
2)	S	Decachlorobiphenyl	20.50	362134	0.012 ug/mlm3
		Target Compounds			
3)		Ar1016peak1	4.68	114478	0.230 ug/ml
4)		Ar1016peak2	6.09	144639	0.139 ug/ml
5)		Ar1016peak3	6.96	470457	0.234 ug/ml
6)		Ar1016peak4	7.13	209847	0.280 ug/ml
7)		Ar1016peak5	7.41	145893	0.283 ug/ml
8)		Ar1260peak1	13.86	500542	1.019 ug/ml
9)		Ar1260peak2	14.19	349505	0.434 ug/ml
10)		Ar1260peak3	14.37	167921	0.078 ug/ml
11)		Ar1260peak4	14.85	348166	0.509 ug/ml
12)		Ar1260peak5	16.83	500752	0.450 ug/ml

AS 10/8/07

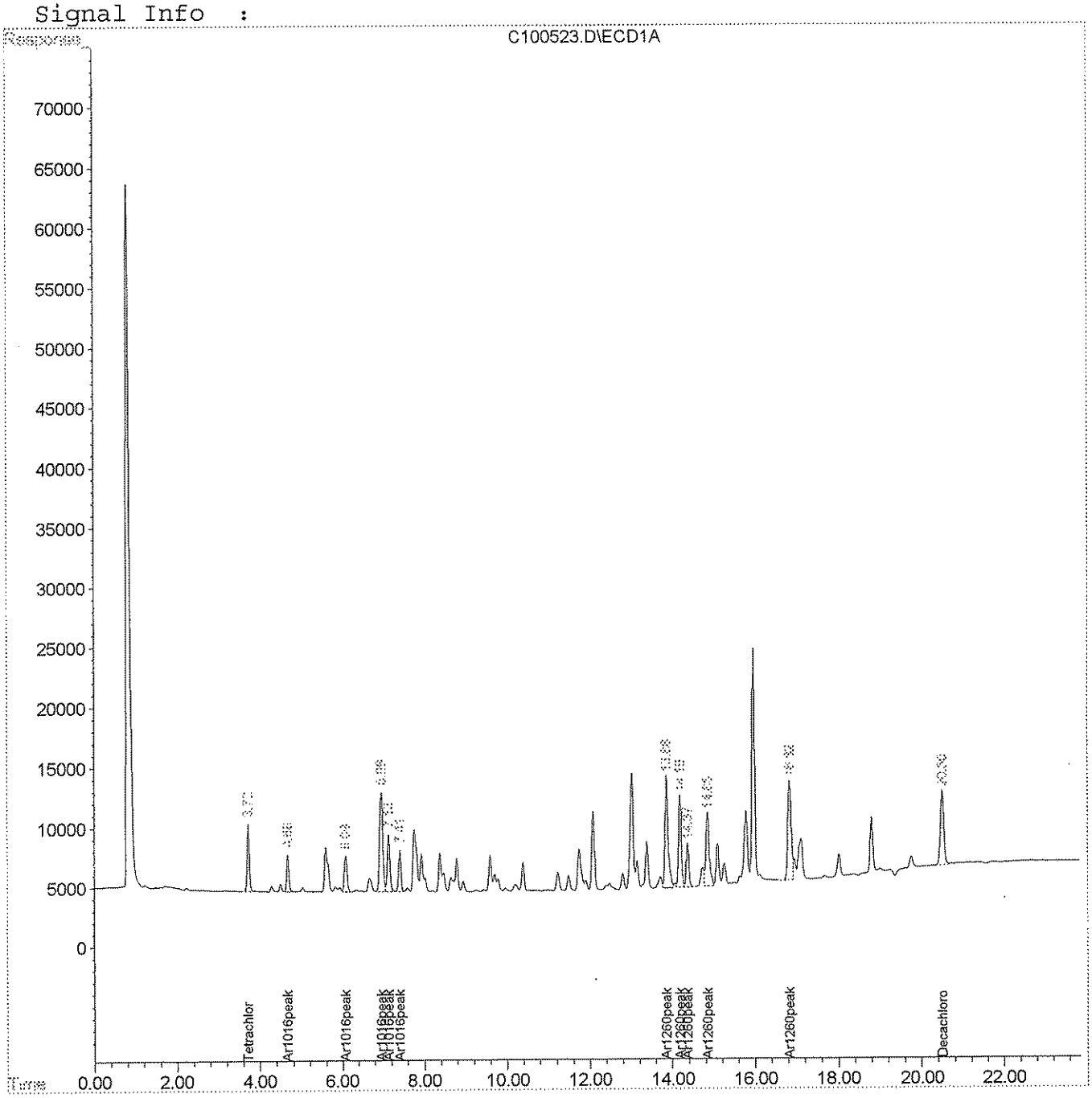
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100507\C100523.D Vial: 14
Acq On : 5 Oct 2007 21:56 Operator: als
Sample : ,ical,ar1660 lin 3 0.2ug/ml,1, Inst : #2 ECD
Misc : 8081pcb_w Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 8 13:28 2007 Quant Results File: C1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\C1660F.M (Chemstation Integrator)
Title : 09/18/07-ECD#2-Col A-DB608-Ar 1660-mtd 8082/608
Last Update : Mon Oct 08 13:28:27 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100507\C100524.D Vial: 15
Acq On : 5 Oct 2007 22:24 Operator: als
Sample : ,ical,ar1660 lin 4 0.5ug/ml,1, Inst : #2 ECD
Misc : 8081pcb_w Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 8 13:30 2007 Quant Results File: C1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\C1660F.M (Chemstation Integrator)
Title : 09/18/07-ECD#2-Col A-DB608-Ar 1660-mtd 8082/608
Last Update : Mon Oct 08 13:28:27 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	Tetrachloro-m-xylene	3.72	473705	0.023 ug/ml
2)	S	Decachlorobiphenyl	20.50	848283	0.028 ug/ml
		Target Compounds			
3)		Ar1016peak1	4.68	249446	0.502 ug/ml
4)		Ar1016peak2	6.09	327946	0.316 ug/ml
5)		Ar1016peak3	6.96	1031100	0.512 ug/ml
6)		Ar1016peak4	7.13	447845	0.597 ug/ml
7)		Ar1016peak5	7.41	341010	0.662 ug/ml
8)		Ar1260peak1	13.86	1157578	2.358 ug/ml
9)		Ar1260peak2	14.19	805236	1.000 ug/ml
10)		Ar1260peak3	14.37	406955	0.190 ug/ml
11)		Ar1260peak4	14.85	737250	1.078 ug/ml
12)		Ar1260peak5	16.83	1204274	1.082 ug/ml

AS 10/8/07

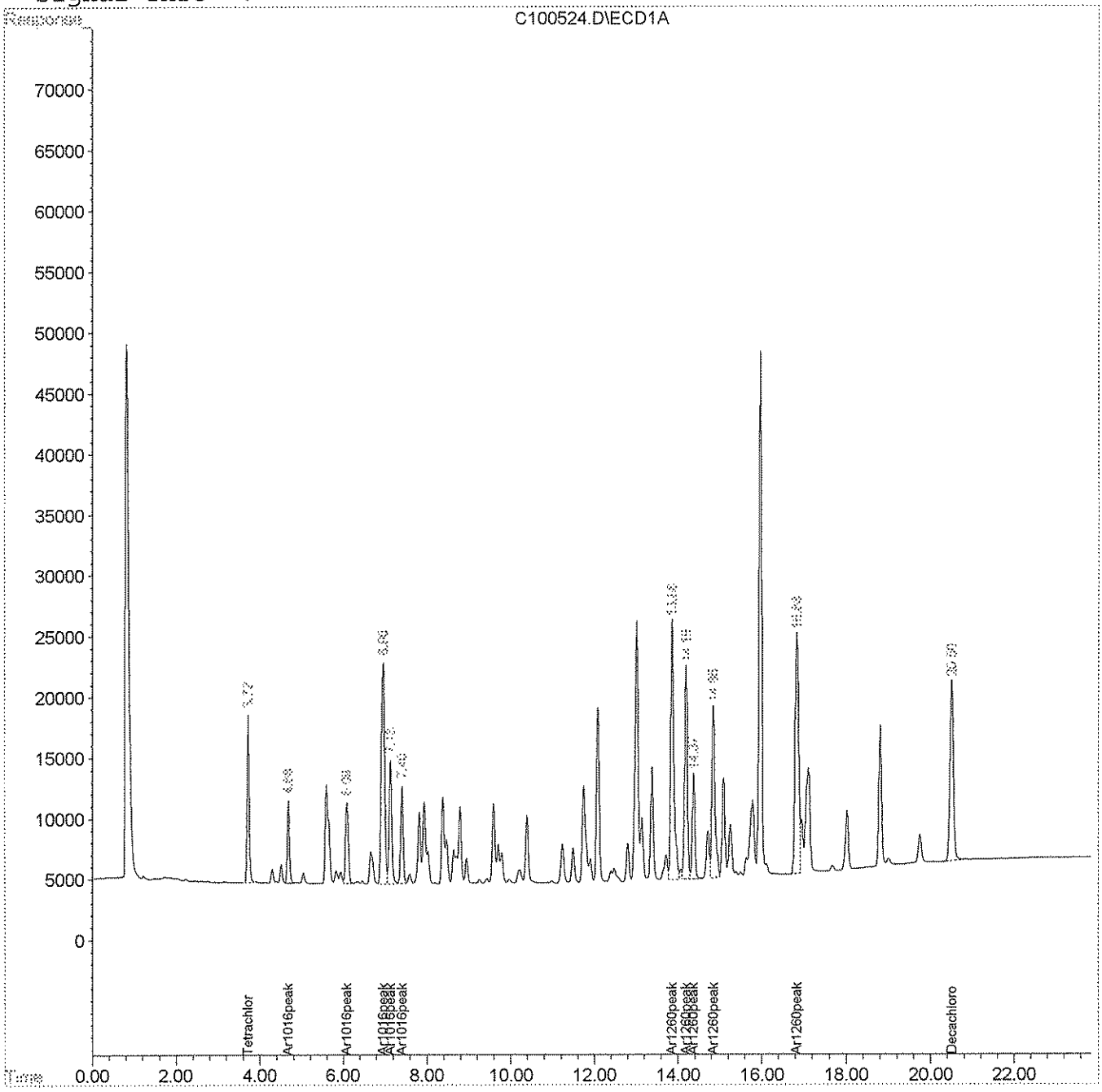
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100507\C100524.D Vial: 15
Acq On : 5 Oct 2007 22:24 Operator: als
Sample : ,ical,ar1660 lin 4 0.5ug/ml,1, Inst : #2 ECD
Misc : 8081pcb_w Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 8 13:30 2007 Quant Results File: C1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\C1660F.M (Chemstation Integrator)
Title : 09/18/07-ECD#2-Col A-DB608-Ar 1660-mtd 8082/608
Last Update : Mon Oct 08 13:28:27 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100507\C100525.D Vial: 16
Acq On : 5 Oct 2007 22:52 Operator: als
Sample : ,ical,ar1660 lin 5 1.0ug/ml,1, Inst : #2 ECD
Misc : 8081pcb_w Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 8 13:30 2007 Quant Results File: C1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\C1660F.M (Chemstation Integrator)
Title : 09/18/07-ECD#2-Col A-DB608-Ar 1660-mtd 8082/608
Last Update : Mon Oct 08 13:28:27 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	Tetrachloro-m-xylene	3.72	918503	0.044 ug/ml
2)	S	Decachlorobiphenyl	20.50	1589244	0.052 ug/ml
		Target Compounds			
3)		Ar1016peak1	4.68	452245	0.910 ug/ml
4)		Ar1016peak2	6.09	597605	0.575 ug/ml
5)		Ar1016peak3	6.96	1812224	0.900 ug/ml
6)		Ar1016peak4	7.13	775743	1.034 ug/ml
7)		Ar1016peak5	7.41	616045	1.196 ug/ml
8)		Ar1260peak1	13.86	2106380	4.290 ug/ml
9)		Ar1260peak2	14.18	1442857	1.791 ug/ml
10)		Ar1260peak3	14.37	759748	0.354 ug/ml
11)		Ar1260peak4	14.85	1371753	2.006 ug/ml
12)		Ar1260peak5	16.83	2257927	2.028 ug/ml

AS 10/8/07

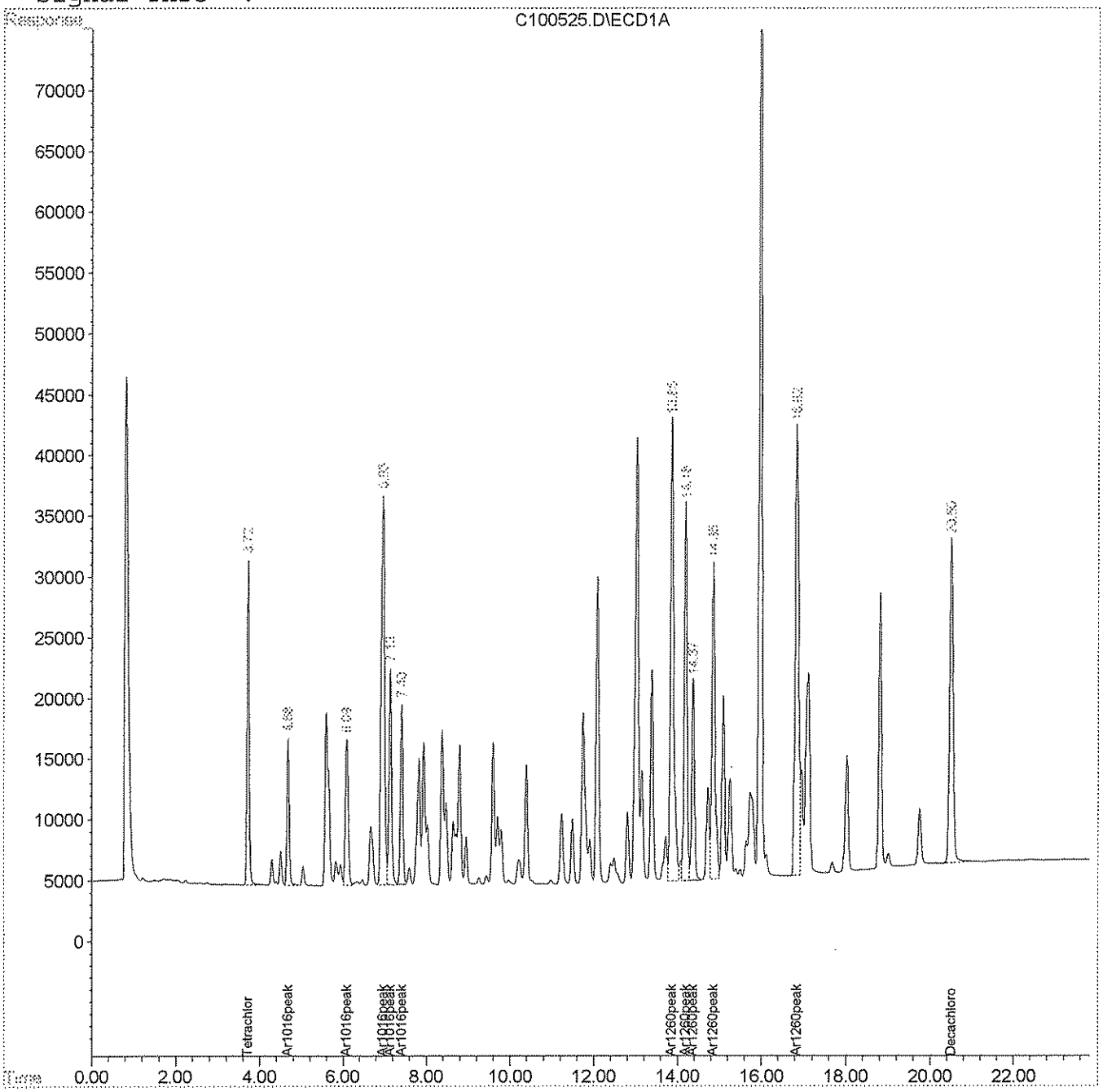
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100507\C100525.D Vial: 16
Acq On : 5 Oct 2007 22:52 Operator: als
Sample : ,ical,ar1660 lin 5 1.0ug/ml,1, Inst : #2 ECD
Misc : 8081pcb_w Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 8 13:30 2007 Quant Results File: C1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\C1660F.M (Chemstation Integrator)
Title : 09/18/07-ECD#2-Col A-DB608-Ar 1660-mtd 8082/608
Last Update : Mon Oct 08 13:28:27 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100507\C100526.D Vial: 17
Acq On : 5 Oct 2007 23:19 Operator: als
Sample : ,ical,ar1660 lin 6 2.0ug/ml,1, Inst : #2 ECD
Misc : 8081pcb_w Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 8 13:30 2007 Quant Results File: C1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\C1660F.M (Chemstation Integrator)
Title : 09/18/07-ECD#2-Col A-DB608-Ar 1660-mtd 8082/608
Last Update : Mon Oct 08 13:28:27 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	Tetrachloro-m-xylene	3.72	1833561	0.088 ug/ml
2)	S	Decachlorobiphenyl	20.50	3067927	0.100 ug/ml
		Target Compounds			
3)		Ar1016peak1	4.68	825758	1.662 ug/ml
4)		Ar1016peak2	6.09	1132302	1.090 ug/ml
5)		Ar1016peak3	6.96	3388803	1.683 ug/ml
6)		Ar1016peak4	7.13	1450206	1.933 ug/ml
7)		Ar1016peak5	7.40	1208979	2.347 ug/ml
8)		Ar1260peak1	13.86	4058253	8.265 ug/ml
9)		Ar1260peak2	14.19	2731177	3.391 ug/ml
10)		Ar1260peak3	14.37	1489693	0.695 ug/ml
11)		Ar1260peak4	14.85	2653327	3.880 ug/ml
12)		Ar1260peak5	16.83	4435645	3.984 ug/ml

AS 10/8/07

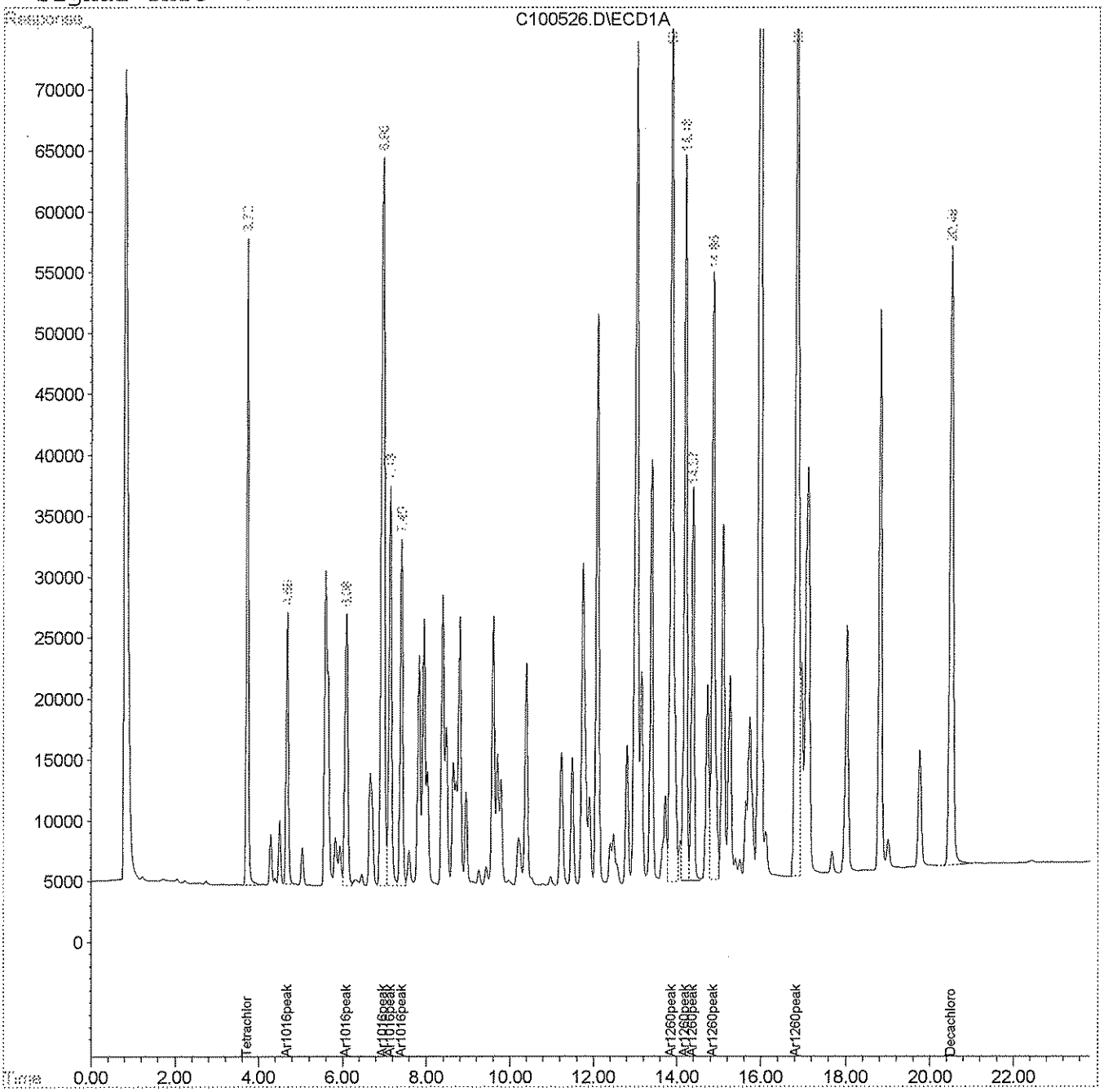
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100507\C100526.D Vial: 17
Acq On : 5 Oct 2007 23:19 Operator: als
Sample : ,ical,ar1660 lin 6 2.0ug/ml,1, Inst : #2 ECD
Misc : 8081pcb_w Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 8 13:30 2007 Quant Results File: C1660F.RES

Quant Method : C:\HPCHEM\2\METHODS\C1660F.M (Chemstation Integrator)
Title : 09/18/07-ECD#2-Col A-DB608-Ar 1660-mtd 8082/608
Last Update : Mon Oct 08 13:28:27 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



Response Factor Report #2 ECD

Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081/~~608~~
Last Update : Mon Oct 08 14:04:48 2007

not shown 0.2 = C100518.D

Calibration Files
.005 =C100512.D 0.01 =C100513.D 0.02 =C100514.D
0.04 =C100515.D 0.05 =C100516.D 0.10 =C100517.D

		Compound	.005	0.01	0.02	0.04	0.05	0.10	Avg		%RSD
1)	S	Tetrachloro-m-xylen	1.803	2.082	1.998	2.223	2.206	2.252	2.115	E7	7.90
2)	S	Decachlorobiphenyl	3.651	3.842	3.686	3.924	3.879	3.971	3.763	E7	5.43
3)		alpha-BHC	1.582	2.058	2.296	3.066	3.193	3.452	2.742	E7	27.74
4)		gamma-BHC		2.156	2.341	2.974	3.079	3.254	2.851	E7	17.01
5)		beta-BHC		1.471	1.414	1.564	1.581	1.571	1.525	E7	4.42
6)		delta-BHC		2.004	2.191	2.925	3.079	3.360	2.838	E7	21.45
7)		Heptachlor		2.835	2.690	3.086	3.157	3.243	3.044	E7	7.58
8)		Aldrin	1.961	2.289	2.312	2.861	2.988	3.175	2.688	E7	18.48
9)		Heptachlor epoxide		2.131	2.095	2.451	2.526	2.628	2.413	E7	10.08
10)		Endosulfan I		1.922	1.926	2.297	2.342	2.447	2.236	E7	11.21
11)		4,4'-DDE		2.034	2.148	2.651	2.777	2.856	2.567	E7	14.88
12)		Dieldrin	1.909	2.156	2.176	2.716	2.830	2.969	2.547	E7	17.98
13)		Endrin		1.750	1.763	2.165	2.239	2.389	2.138	E7	14.96
14)		Endosulfan II		2.051	2.012	2.367	2.440	2.517	2.321	E7	10.04
15)		4,4'-DDD		1.464	1.480	1.850	1.959	2.170	1.870	E7	18.44
16)		Endrin Aldehyde		2.193	2.094	2.312	2.344	2.347	2.266	E7	4.47
17)		4,4'-DDT		1.559	1.622	2.059	2.182	2.400	2.057	E7	19.24
18)		Endosulfan Sulfate		1.988	1.970	2.308	2.374	2.492	2.271	E7	10.47
19)		Endrin Ketone		2.596	2.655	3.085	3.174	3.198	2.968	E7	9.08
20)		Methoxychlor			2.826	2.201	1.995	1.718	2.035	E7	25.94

Avg = 14.62%

AS 10/8/07

(#) = Out of Range ### Number of calibration levels exceeded format ###
CPESTK.M Mon Oct 08 14:04:52 2007 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100507\C100512.D Vial: 3
Acq On : 5 Oct 2007 17:18 Operator: als
Sample : ,ical,pesticide lin 1 0.005ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 8 13:58 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081/608
Last Update : Mon Oct 08 13:57:54 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Tetrachloro-m-xylene	3.74	36059	0.002 ug/ml
Spiked Amount 0.020	Recovery	= 10.00%	
2) S Decachlorobiphenyl	20.51	73010	0.002 ug/mlm3
Spiked Amount 0.020	Recovery	= 10.00%	
Target Compounds			
3) alpha-BHC	4.76	79075	0.003 ug/ml
4) gamma-BHC	5.59	86868	0.003 ug/ml
5) beta-BHC	6.28	59309	0.004 ug/ml
6) delta-BHC	6.86	72012	0.003 ug/ml
7) Heptachlor	7.15	122229	0.004 ug/ml
8) Aldrin	8.07	98039	0.004 ug/ml
9) Heptachlor epoxide	9.43	110520	0.004 ug/ml
10) Endosulfan I	10.55	90334	0.004 ug/ml
11) 4,4'-DDE	11.36	93915	0.005 ug/ml
12) Dieldrin	11.44	95438	0.004 ug/ml
13) Endrin	12.10	76984	0.005 ug/ml
14) Endosulfan II	12.90	90212	0.006 ug/ml
15) 4,4'-DDD	13.03	63656	0.003 ug/ml
16) Endrin Aldehyde	13.35	96837	0.007 ug/ml
17) 4,4'-DDT	14.02	65757	0.003 ug/ml
18) Endosulfan Sulfate	14.13	86633	0.004 ug/ml
19) Endrin Ketone	15.53	117691	0.013 ug/ml
20) Methoxychlor	15.81	346928	0.014 ug/ml

AS 10/8/07

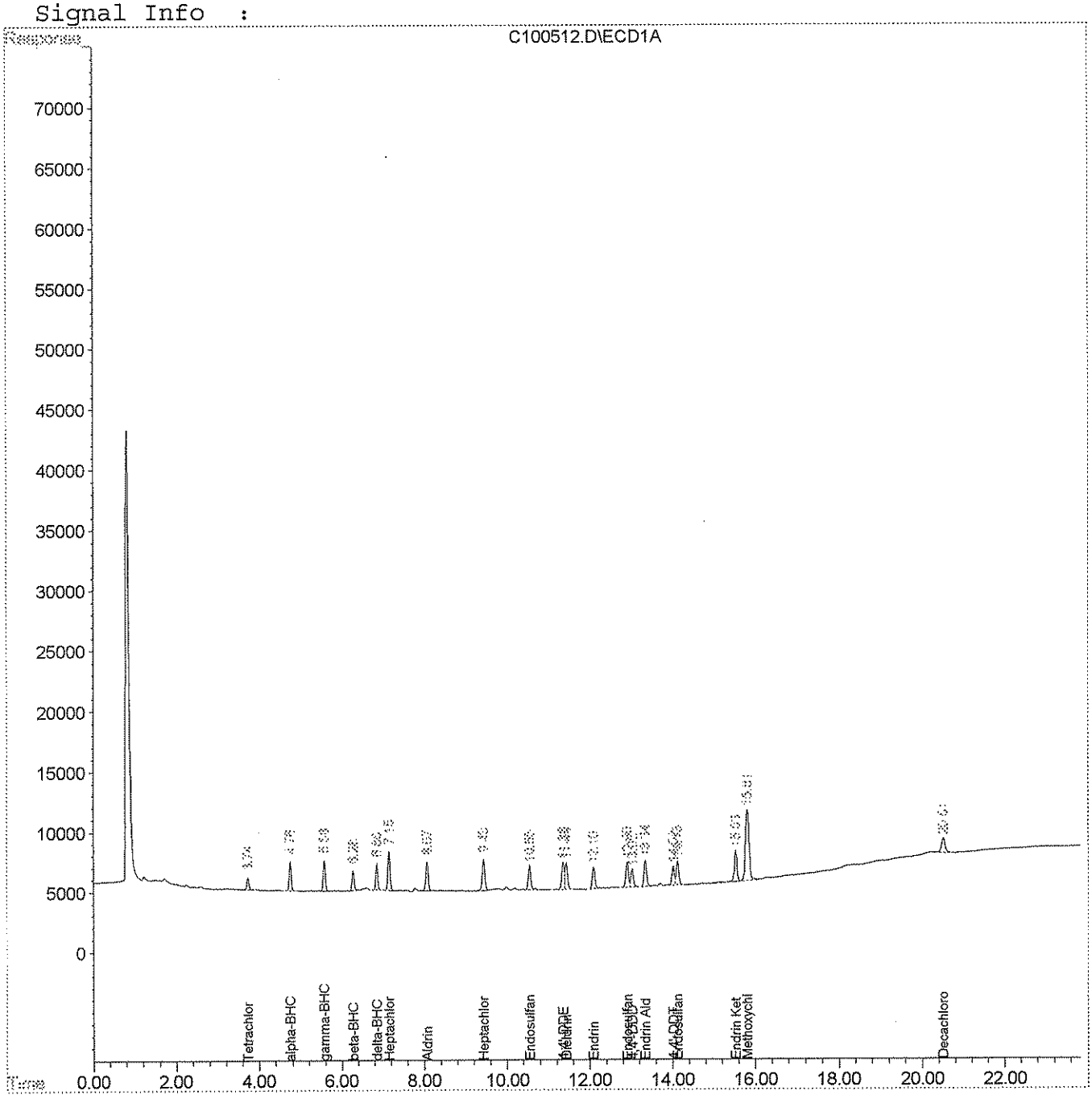
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100507\C100512.D Vial: 3
Acq On : 5 Oct 2007 17:18 Operator: als
Sample : ,ical,pesticide lin 1 0.005ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 8 13:58 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081/608
Last Update : Mon Oct 08 13:57:54 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

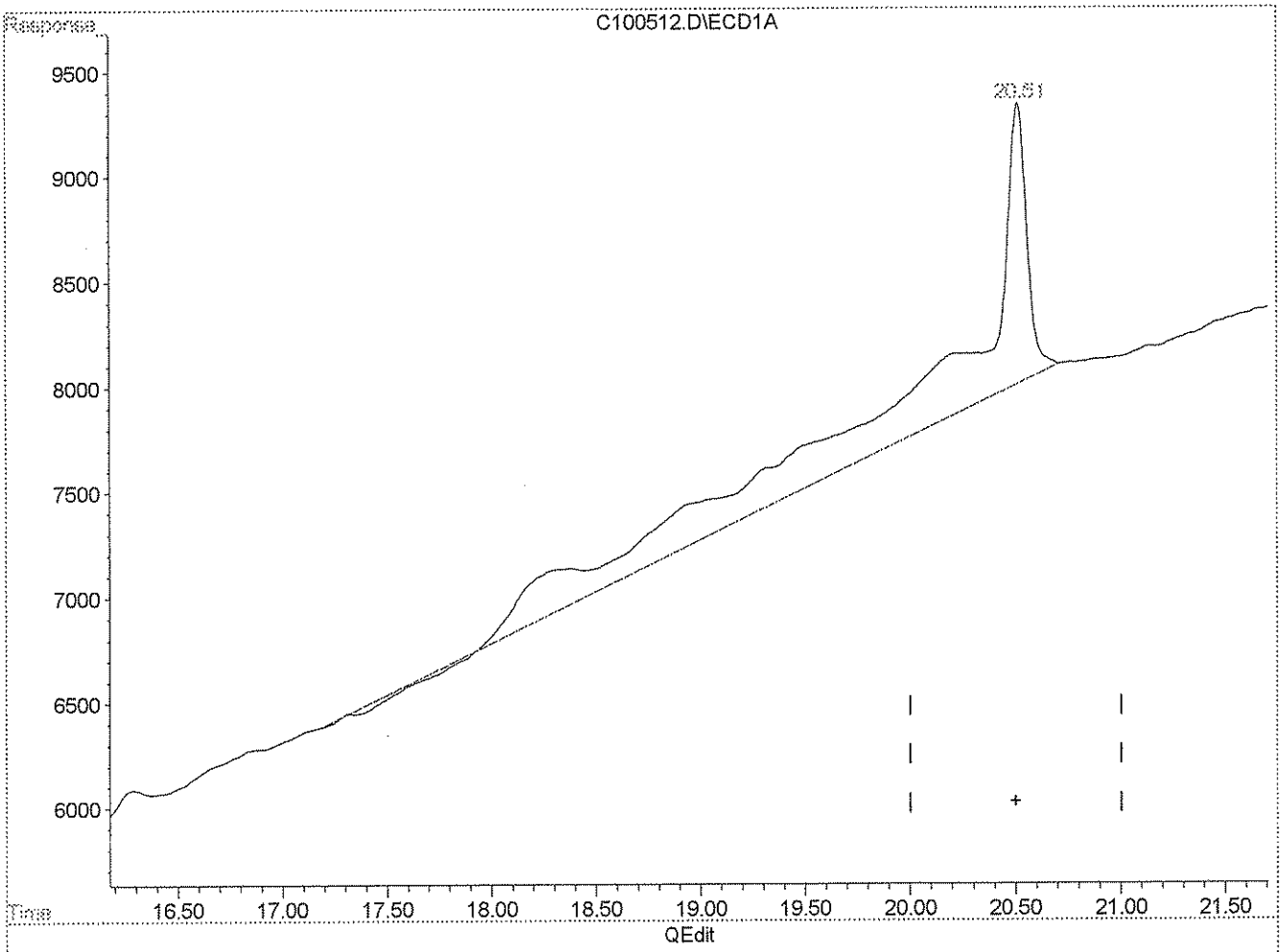
Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100507\C100512.D Vial: 3
Acq On : 5 Oct 2007 17:18 Operator: als
Sample : ,ical,pesticide lin 1 0.005ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 8 13:58 2007 Quant Results File: CPESTK.RES

Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081/608
Last Update : Mon Oct 08 13:57:54 2007
Response via : Multiple Level Calibration



(2) Decachlorobiphenyl (S)

20.51min 0.011ug/ml

response 332057

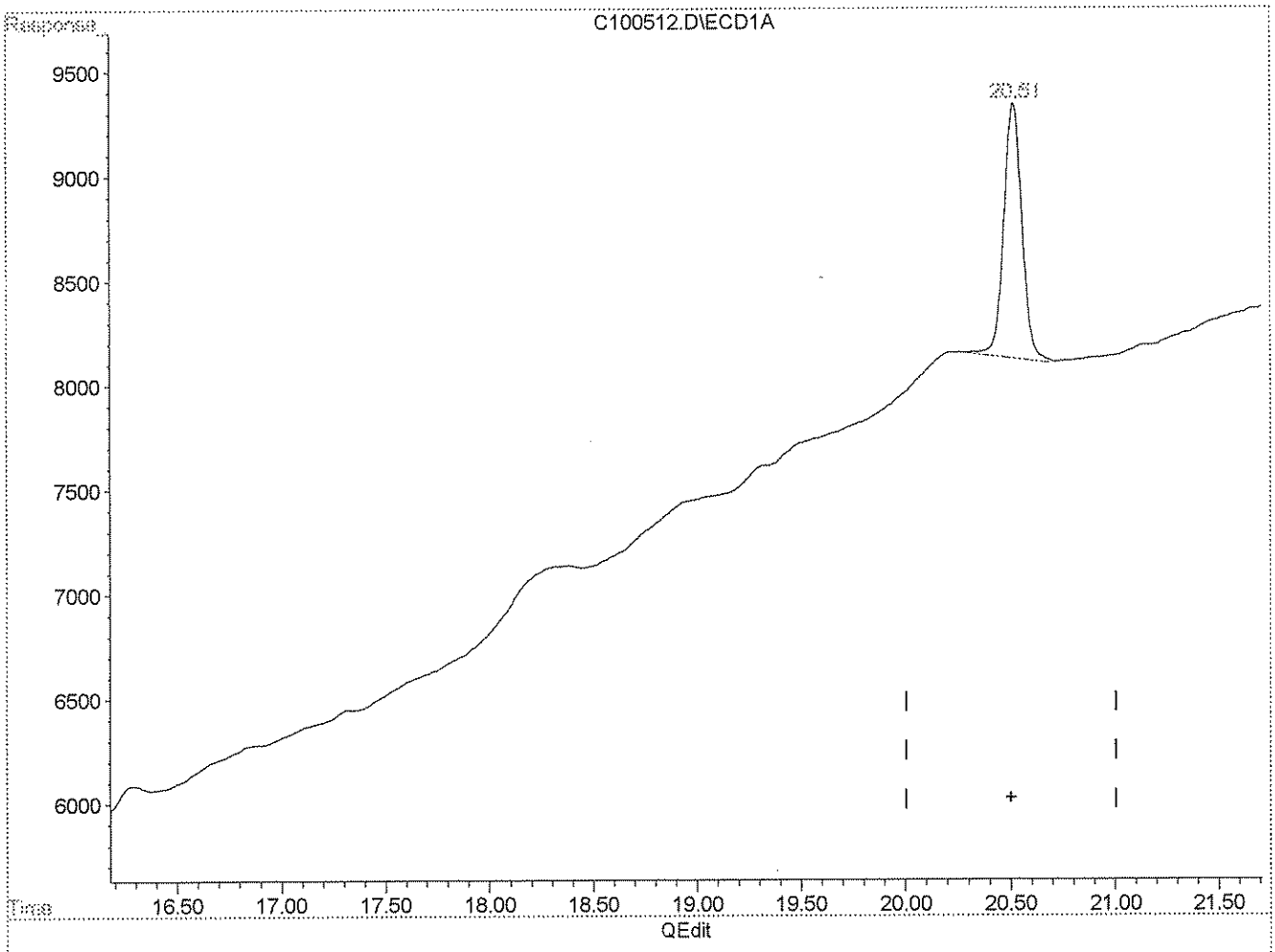
(+) = Expected Retention Time

C100512.D CPESTK.M Mon Oct 08 13:58:44 2007

Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100507\C100512.D Vial: 3
Acq On : 5 Oct 2007 17:18 Operator: als
Sample : ,ical,pesticide lin 1 0.005ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 8 13:58 2007 Quant Results File: CPESTK.RES

Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081/608
Last Update : Mon Oct 08 13:57:54 2007
Response via : Multiple Level Calibration



(2) Decachlorobiphenyl (S)

20.51min 0.002ug/ml m

response 73010

(+) = Expected Retention Time

C100512.D CPESTK.M Mon Oct 08 13:58:48 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100507\C100513.D Vial: 4
Acq On : 5 Oct 2007 17:46 Operator: als
Sample : ,ical,pesticide lin 2 0.01ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 8 13:59 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081/608
Last Update : Mon Oct 08 13:57:54 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Tetrachloro-m-xylene	3.72	83276	0.004 ug/ml
Spiked Amount 0.020	Recovery	= 20.00%	
2) S Decachlorobiphenyl	20.50	153673	0.005 ug/ml
Spiked Amount 0.020	Recovery	= 25.00%	
Target Compounds			
3) alpha-BHC	4.74	205795	0.008 ug/ml
4) gamma-BHC	5.57	215558	0.008 ug/ml
5) beta-BHC	6.26	147135	0.010 ug/ml
6) delta-BHC	6.84	200365	0.008 ug/ml
7) Heptachlor	7.13	283458	0.010 ug/ml
8) Aldrin	8.05	228921	0.009 ug/ml
9) Heptachlor epoxide	9.42	213064	0.009 ug/ml
10) Endosulfan I	10.53	192206	0.008 ug/ml
11) 4,4'-DDE	11.35	203416	0.010 ug/ml
12) Dieldrin	11.42	215627	0.010 ug/ml
13) Endrin	12.09	174971	0.010 ug/ml
14) Endosulfan II	12.89	205116	0.014 ug/ml
15) 4,4'-DDD	13.01	146411	0.007 ug/ml
16) Endrin Aldehyde	13.33	219284	0.017 ug/ml
17) 4,4'-DDT	14.01	155916	0.008 ug/ml
18) Endosulfan Sulfate	14.11	198762	0.009 ug/ml
19) Endrin Ketone	15.52	259576	0.028 ug/ml
20) Methoxychlor	15.81	442504	0.018 ug/ml

10/18/07

10/18/07

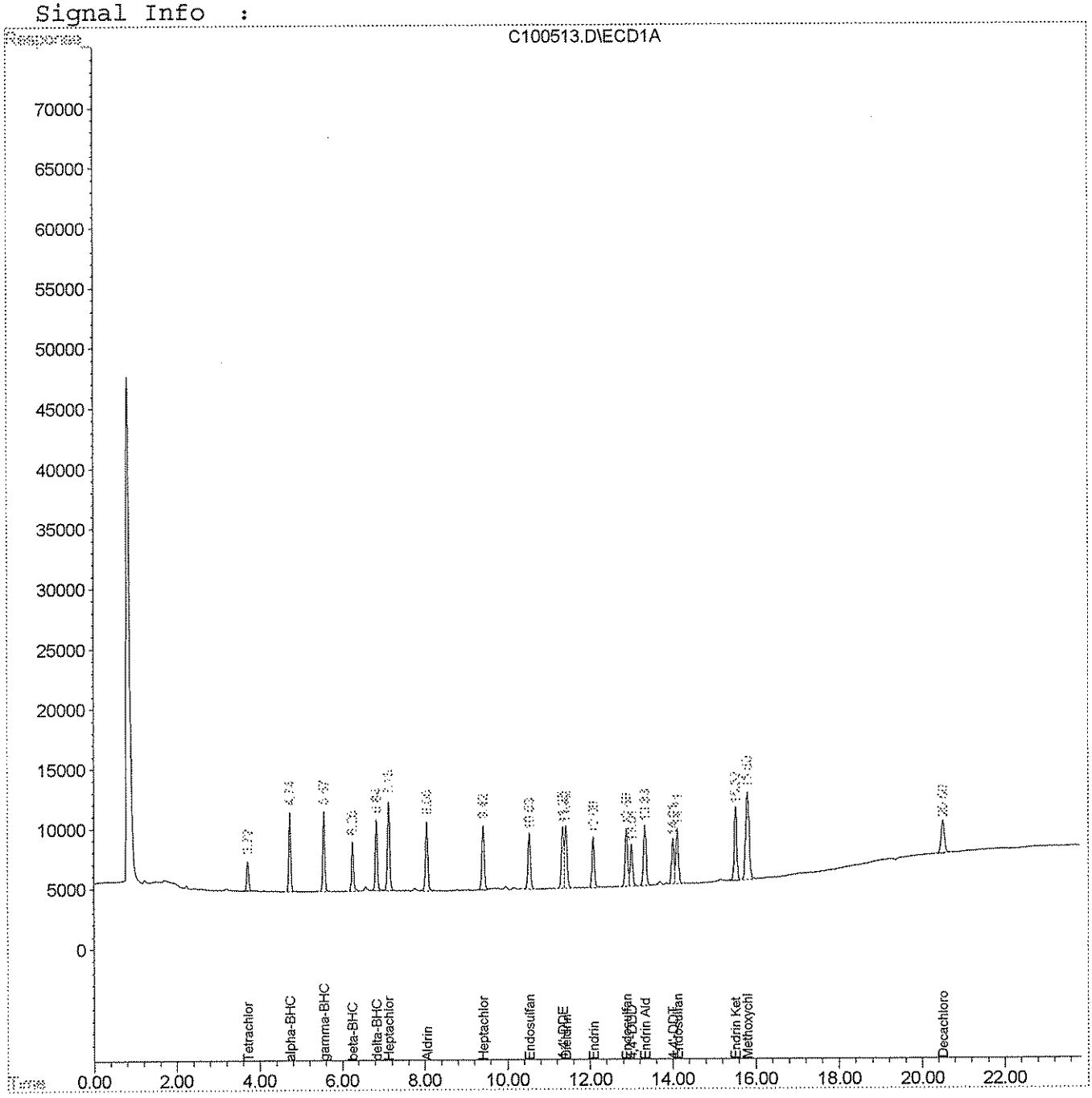
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100507\C100513.D Vial: 4
Acq On : 5 Oct 2007 17:46 Operator: als
Sample : ,ical,pesticide lin 2 0.01ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 8 13:59 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081/608
Last Update : Mon Oct 08 13:57:54 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100507\C100514.D Vial: 5
Acq On : 5 Oct 2007 18:14 Operator: als
Sample : ,ical,pesticide lin 3 0.02ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 8 13:59 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081/608
Last Update : Mon Oct 08 13:57:54 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Tetrachloro-m-xylene	3.72	159838	0.007 ug/ml
Spiked Amount 0.020	Recovery	=	35.00%
2) S Decachlorobiphenyl	20.50	294893	0.010 ug/ml
Spiked Amount 0.020	Recovery	=	50.00%
Target Compounds			
3) alpha-BHC	4.74	459273	0.018 ug/ml
4) gamma-BHC	5.57	468228	0.018 ug/ml
5) beta-BHC	6.26	282731	0.019 ug/ml
6) delta-BHC	6.84	438198	0.017 ug/ml
7) Heptachlor	7.13	538085	0.020 ug/ml
8) Aldrin	8.05	462465	0.019 ug/ml
9) Heptachlor epoxide	9.42	418930	0.017 ug/ml
10) Endosulfan I	10.53	385279	0.017 ug/ml
11) 4,4'-DDE	11.34	429647	0.021 ug/ml
12) Dieldrin	11.42	435227	0.020 ug/ml
13) Endrin	12.08	352673	0.021 ug/ml
14) Endosulfan II	12.89	402372	0.027 ug/ml
15) 4,4'-DDD	13.01	296022	0.014 ug/ml
16) Endrin Aldehyde	13.33	418824	0.032 ug/ml
17) 4,4'-DDT	14.00	324461	0.017 ug/ml
18) Endosulfan Sulfate	14.11	393952	0.018 ug/ml
19) Endrin Ketone	15.52	531029	0.057 ug/ml
20) Methoxychlor	15.82	565261	0.024 ug/ml

AS 10/8/07

10/9/07

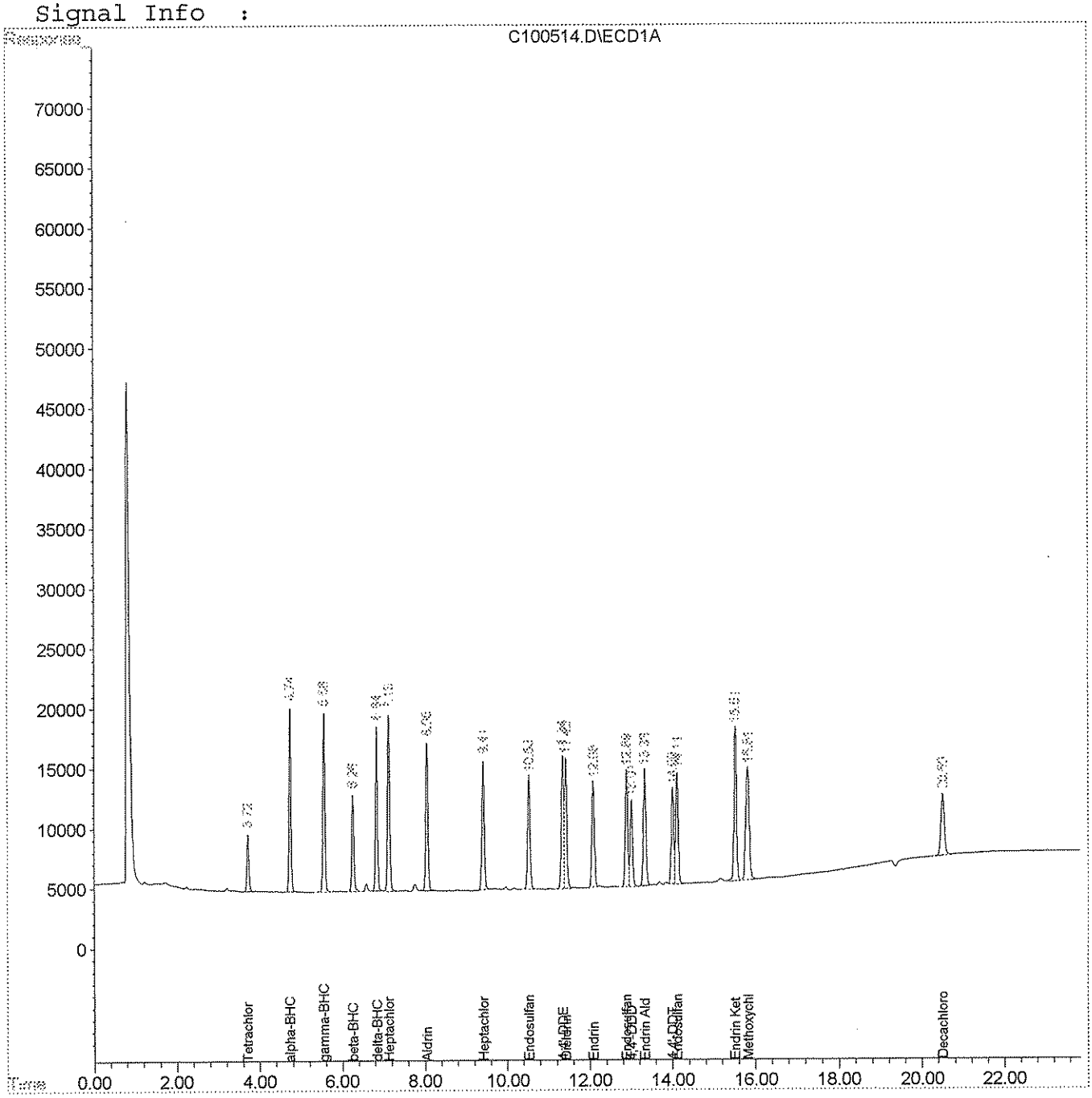
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100507\C100514.D Vial: 5
Acq On : 5 Oct 2007 18:14 Operator: als
Sample : ,ical,pesticide lin 3 0.02ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 8 13:59 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081/608
Last Update : Mon Oct 08 13:57:54 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100507\C100515.D Vial: 6
Acq On : 5 Oct 2007 18:42 Operator: als
Sample : ,ical,pesticide lin 4 0.04ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 8 14:00 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081/608
Last Update : Mon Oct 08 13:57:54 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Tetrachloro-m-xylene	3.72	355755	0.016 ug/ml
Spiked Amount 0.020	Recovery	= 80.00%	
2) S Decachlorobiphenyl	20.50	627919	0.020 ug/mlm3
Spiked Amount 0.020	Recovery	= 100.00%	
Target Compounds			
3) alpha-BHC	4.74	1226590	0.048 ug/ml
4) gamma-BHC	5.57	1189691	0.047 ug/ml
5) beta-BHC	6.26	625445	0.042 ug/ml
6) delta-BHC	6.84	1170113	0.045 ug/ml
7) Heptachlor	7.13	1234349	0.045 ug/ml
8) Aldrin	8.05	1144503	0.047 ug/ml
9) Heptachlor epoxide	9.42	980206	0.040 ug/ml
10) Endosulfan I	10.53	918629	0.040 ug/ml
11) 4,4'-DDE	11.35	1060441	0.052 ug/ml
12) Dieldrin	11.42	1086564	0.051 ug/ml
13) Endrin	12.08	865932	0.051 ug/ml
14) Endosulfan II	12.89	946989	0.063 ug/ml
15) 4,4'-DDD	13.01	740047	0.035 ug/ml
16) Endrin Aldehyde	13.33	924803	0.071 ug/ml
17) 4,4'-DDT	14.01	823767	0.044 ug/ml
18) Endosulfan Sulfate	14.11	923045	0.043 ug/ml
19) Endrin Ketone	15.52	1233939	0.132 ug/ml
20) Methoxychlor	15.82	880441	0.037 ug/ml

AS 10/8/07

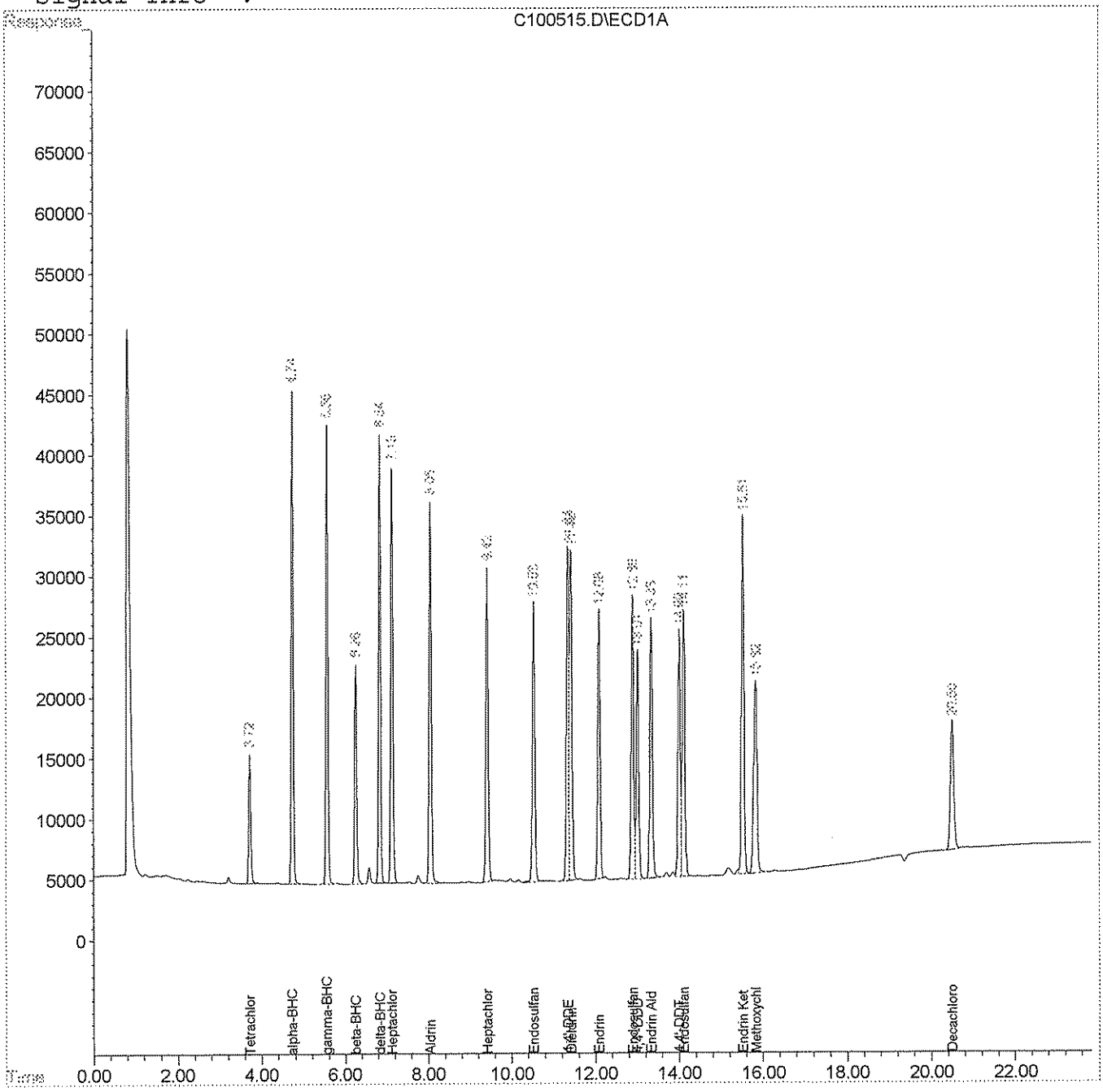
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100507\C100515.D Vial: 6
Acq On : 5 Oct 2007 18:42 Operator: als
Sample : ,ical,pesticide lin 4 0.04ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 8 14:00 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081/608
Last Update : Mon Oct 08 13:57:54 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

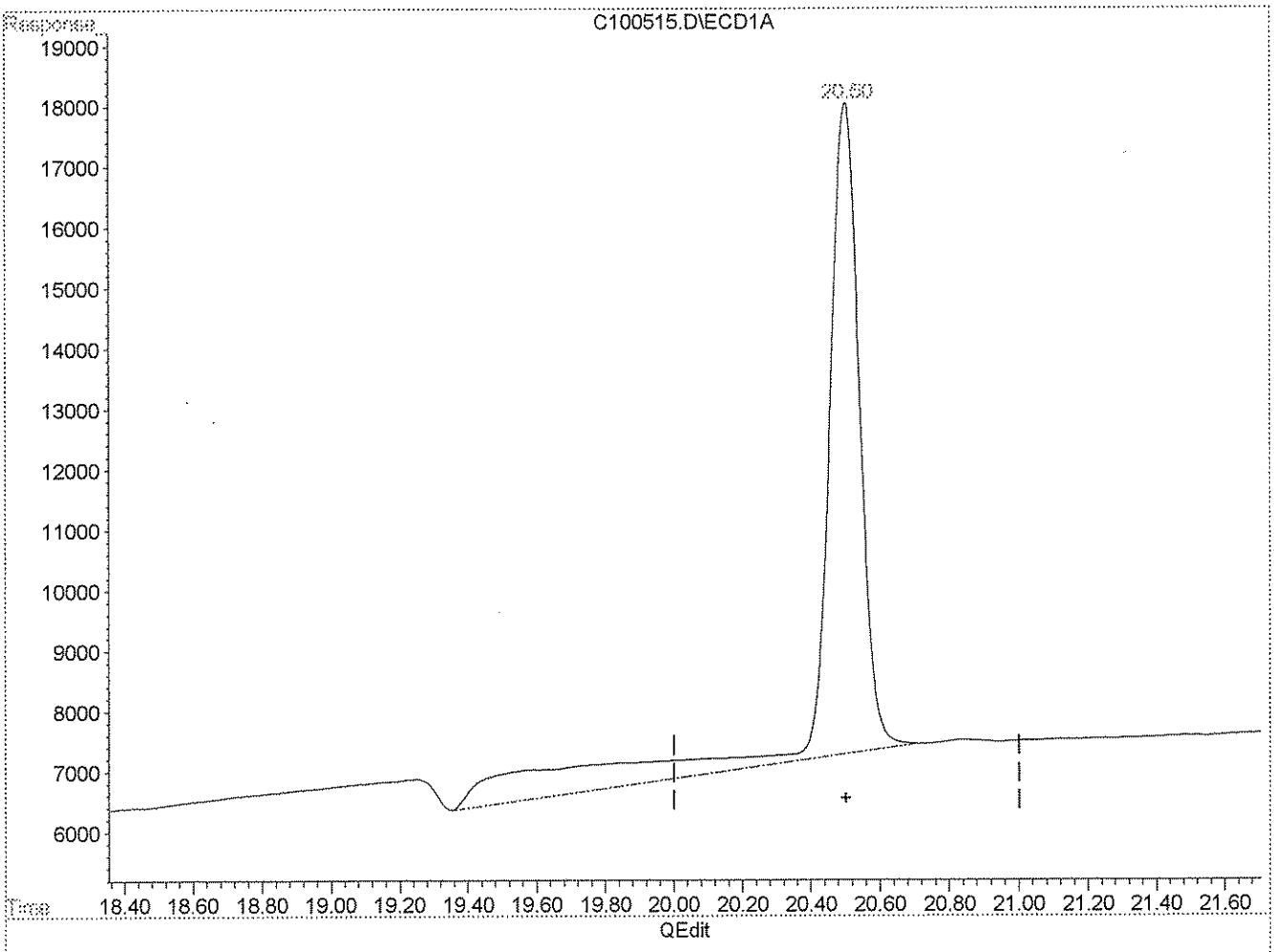
Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100507\C100515.D Vial: 6
Acq On : 5 Oct 2007 18:42 Operator: als
Sample : ,ical,pesticide lin 4 0.04ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 8 14:00 2007 Quant Results File: CPESTK.RES

Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081/608
Last Update : Mon Oct 08 13:57:54 2007
Response via : Multiple Level Calibration



(2) Decachlorobiphenyl (S)

20.50min 0.027ug/ml

response 825193

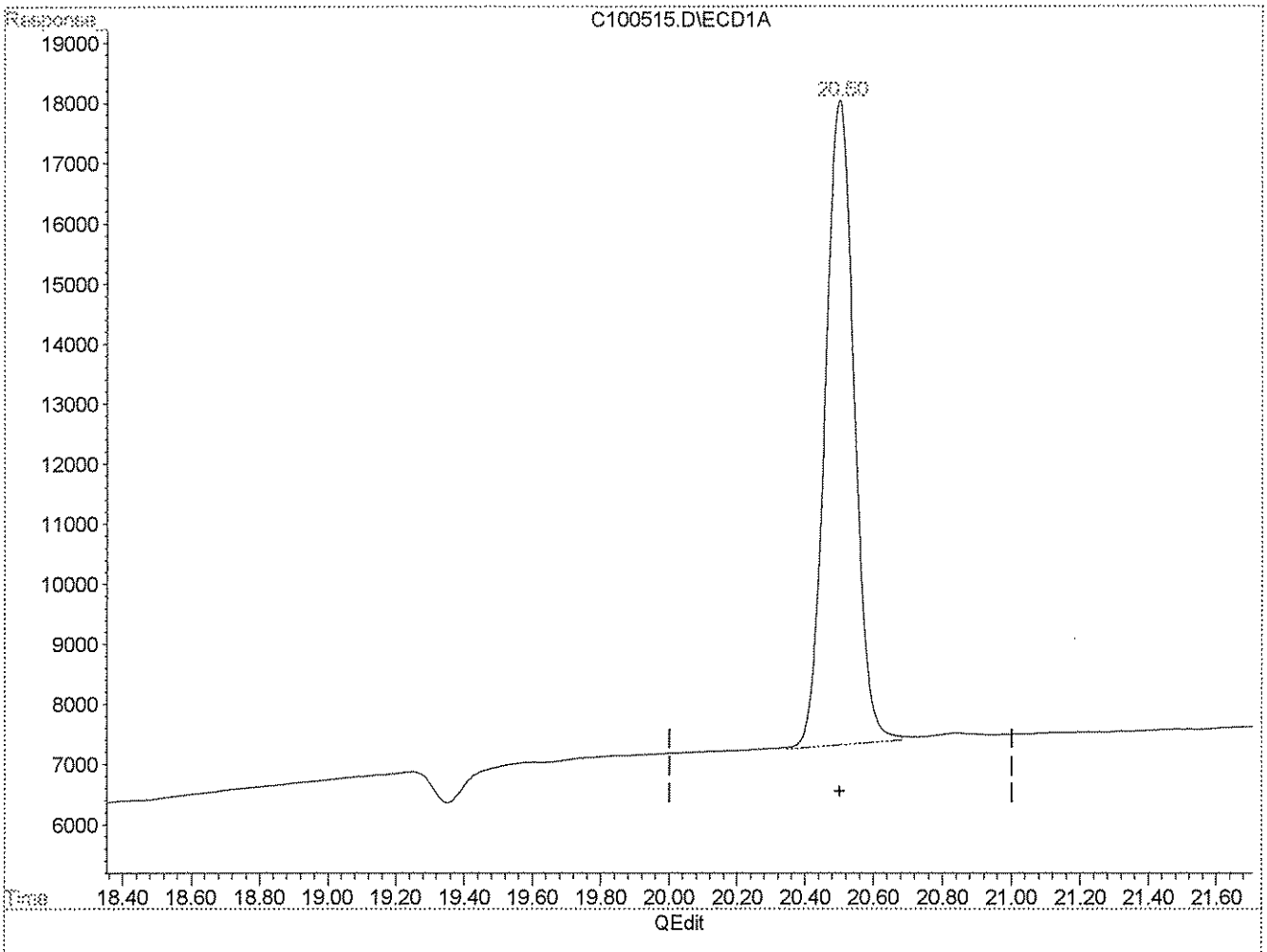
(+) = Expected Retention Time

C100515.D CPESTK.M Mon Oct 08 14:00:07 2007

Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100507\C100515.D Vial: 6
Acq On : 5 Oct 2007 18:42 Operator: als
Sample : ,ical,pesticide lin 4 0.04ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 8 14:00 2007 Quant Results File: CPESTK.RES

Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081/608
Last Update : Mon Oct 08 13:57:54 2007
Response via : Multiple Level Calibration



(2) Decachlorobiphenyl (S)

20.50min 0.020ug/ml m

response 627919

(+) = Expected Retention Time

C100515.D CPESTK.M Mon Oct 08 14:00:12 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100507\C100516.D Vial: 7
Acq On : 5 Oct 2007 19:10 Operator: als
Sample : ,ical,pesticide lin 5 0.05ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 8 14:00 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081/608
Last Update : Mon Oct 08 13:57:54 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1)	S Tetrachloro-m-xylene	3.72	441139	0.019 ug/ml
Spiked Amount	0.020	Recovery	=	95.00%
2)	S Decachlorobiphenyl	20.50	775754	0.025 ug/ml
Spiked Amount	0.020	Recovery	=	125.00%
	Target Compounds			
3)	alpha-BHC	4.74	1596671	0.063 ug/ml
4)	gamma-BHC	5.57	1539276	0.060 ug/ml
5)	beta-BHC	6.26	790500	0.053 ug/ml
6)	delta-BHC	6.84	1539689	0.059 ug/ml
7)	Heptachlor	7.13	1578699	0.058 ug/ml
8)	Aldrin	8.05	1494180	0.061 ug/ml
9)	Heptachlor epoxide	9.42	1263111	0.051 ug/ml
10)	Endosulfan I	10.53	1170984	0.051 ug/ml
11)	4,4'-DDE	11.34	1388318	0.068 ug/ml
12)	Dieldrin	11.42	1415057	0.066 ug/ml
13)	Endrin	12.09	1119642	0.066 ug/ml
14)	Endosulfan II	12.89	1220046	0.081 ug/ml
15)	4,4'-DDD	13.01	979742	0.046 ug/ml
16)	Endrin Aldehyde	13.33	1171935	0.089 ug/ml
17)	4,4'-DDT	14.01	1091190	0.058 ug/ml
18)	Endosulfan Sulfate	14.11	1186939	0.056 ug/ml
19)	Endrin Ketone	15.52	1587233	0.170 ug/ml
20)	Methoxychlor	15.83	997537	0.042 ug/ml

AS 10/8/07

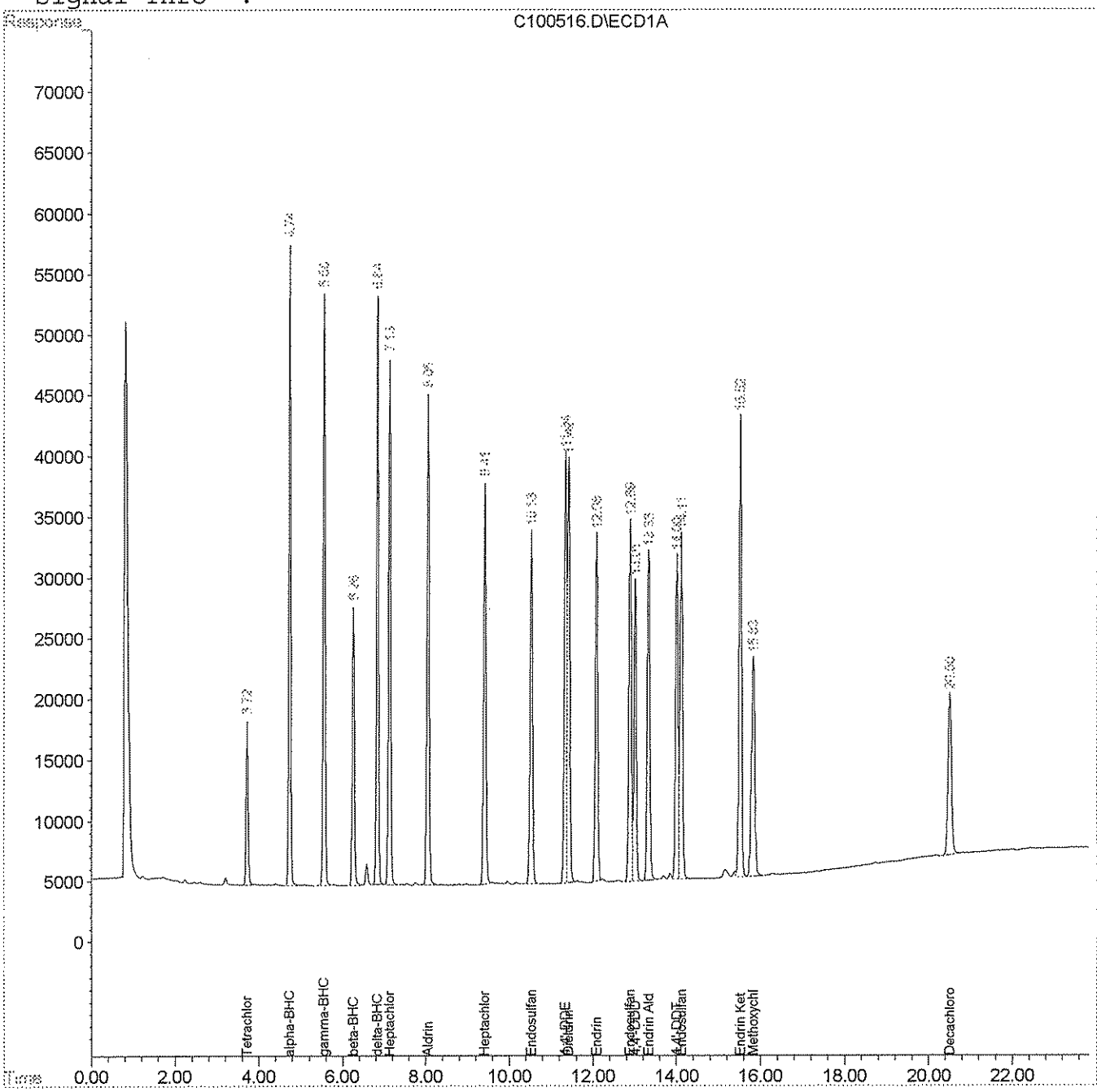
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100507\C100516.D Vial: 7
Acq On : 5 Oct 2007 19:10 Operator: als
Sample : ,ical,pesticide lin 5 0.05ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 8 14:00 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081/608
Last Update : Mon Oct 08 13:57:54 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100507\C100517.D Vial: 8
Acq On : 5 Oct 2007 19:37 Operator: als
Sample : ,ical,pesticide lin 6 0.1ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 8 14:01 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081/608
Last Update : Mon Oct 08 13:57:54 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1)	S Tetrachloro-m-xylene	3.72	900944	0.039 ug/ml
Spiked Amount	0.020	Recovery	=	195.00%
2)	S Decachlorobiphenyl	20.50	1588587	0.052 ug/ml
Spiked Amount	0.020	Recovery	=	260.00%
	Target Compounds			
3)	alpha-BHC	4.74	3451952	0.136 ug/ml
4)	gamma-BHC	5.56	3253627	0.128 ug/ml
5)	beta-BHC	6.26	1571410	0.104 ug/ml
6)	delta-BHC	6.84	3359598	0.128 ug/ml
7)	Heptachlor	7.13	3242803	0.119 ug/ml
8)	Aldrin	8.05	3174741	0.130 ug/ml
9)	Heptachlor epoxide	9.41	2627956	0.106 ug/ml
10)	Endosulfan I	10.53	2446869	0.107 ug/ml
11)	4,4'-DDE	11.34	2855906	0.140 ug/ml
12)	Dieldrin	11.42	2969372	0.138 ug/ml
13)	Endrin	12.08	2389133	0.141 ug/ml
14)	Endosulfan II	12.89	2517272	0.166 ug/ml
15)	4,4'-DDD	13.01	2169796	0.102 ug/ml
16)	Endrin Aldehyde	13.33	2347061	0.179 ug/ml
17)	4,4'-DDT	14.00	2400376	0.127 ug/ml
18)	Endosulfan Sulfate	14.11	2492132	0.117 ug/ml
19)	Endrin Ketone	15.51	3197944	0.343 ug/ml
20)	Methoxychlor	15.83	1718479	0.072 ug/ml

AS 10/8/07

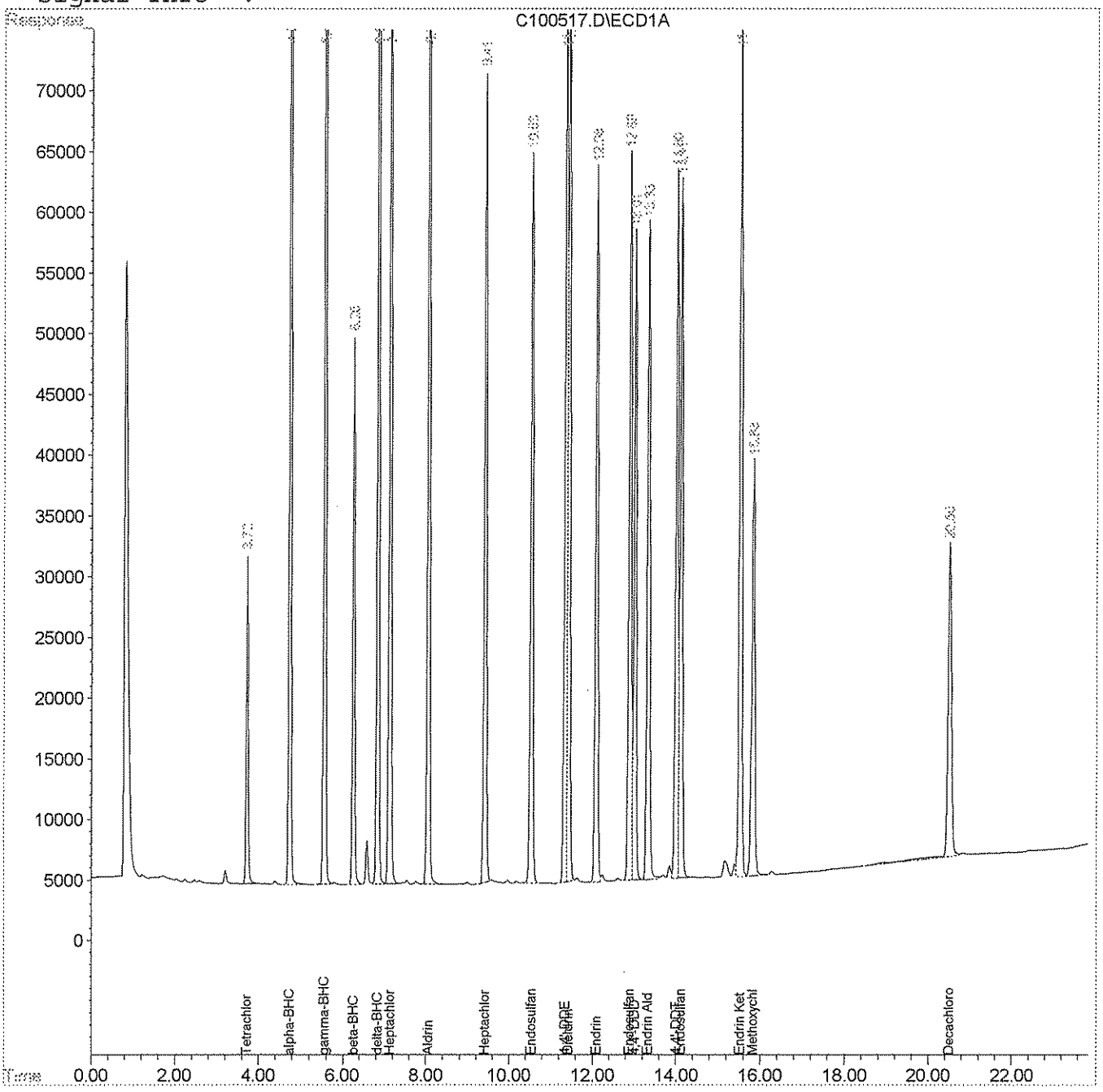
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100507\C100517.D Vial: 8
Acq On : 5 Oct 2007 19:37 Operator: als
Sample : ,ical,pesticide lin 6 0.1ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 8 14:01 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081/608
Last Update : Mon Oct 08 13:57:54 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100507\C100518.D Vial: 9
Acq On : 5 Oct 2007 20:05 Operator: als
Sample : ,ical,pesticide lin 7 0.2ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 8 14:01 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081/608
Last Update : Mon Oct 08 13:57:54 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S Tetrachloro-m-xylene	3.72	1794352	0.079	ug/ml
Spiked Amount	0.020	Recovery	=	395.00%	
2)	S Decachlorobiphenyl	20.50	2708226	0.088	ug/ml
Spiked Amount	0.020	Recovery	=	440.00%	
	Target Compounds				
3)	alpha-BHC	4.74	7090303	0.280	ug/ml
4)	gamma-BHC	5.56	6601965	0.259	ug/ml
5)	beta-BHC	6.26	3100224	0.206	ug/ml
6)	delta-BHC	6.84	6942828	0.265	ug/ml
7)	Heptachlor	7.13	6502038	0.239	ug/ml
8)	Aldrin	8.05	6461611	0.264	ug/ml
9)	Heptachlor epoxide	9.41	5293003	0.214	ug/ml
10)	Endosulfan I	10.53	4963371	0.217	ug/ml
11)	4,4'-DDE	11.34	5871944	0.288	ug/ml
12)	Dieldrin	11.42	6140035	0.286	ug/ml
13)	Endrin	12.08	5040243	0.298	ug/ml
14)	Endosulfan II	12.89	5080996	0.336	ug/ml
15)	4,4'-DDD	13.01	4586903	0.215	ug/ml
16)	Endrin Aldehyde	13.33	4613338	0.352	ug/ml
17)	4,4'-DDT	14.00	5035627	0.267	ug/ml
18)	Endosulfan Sulfate	14.11	4993653	0.234	ug/ml
19)	Endrin Ketone	15.52	6197948	0.665	ug/ml
20)	Methoxychlor	15.83	2872349	0.120	ug/ml

AS 10/8/07

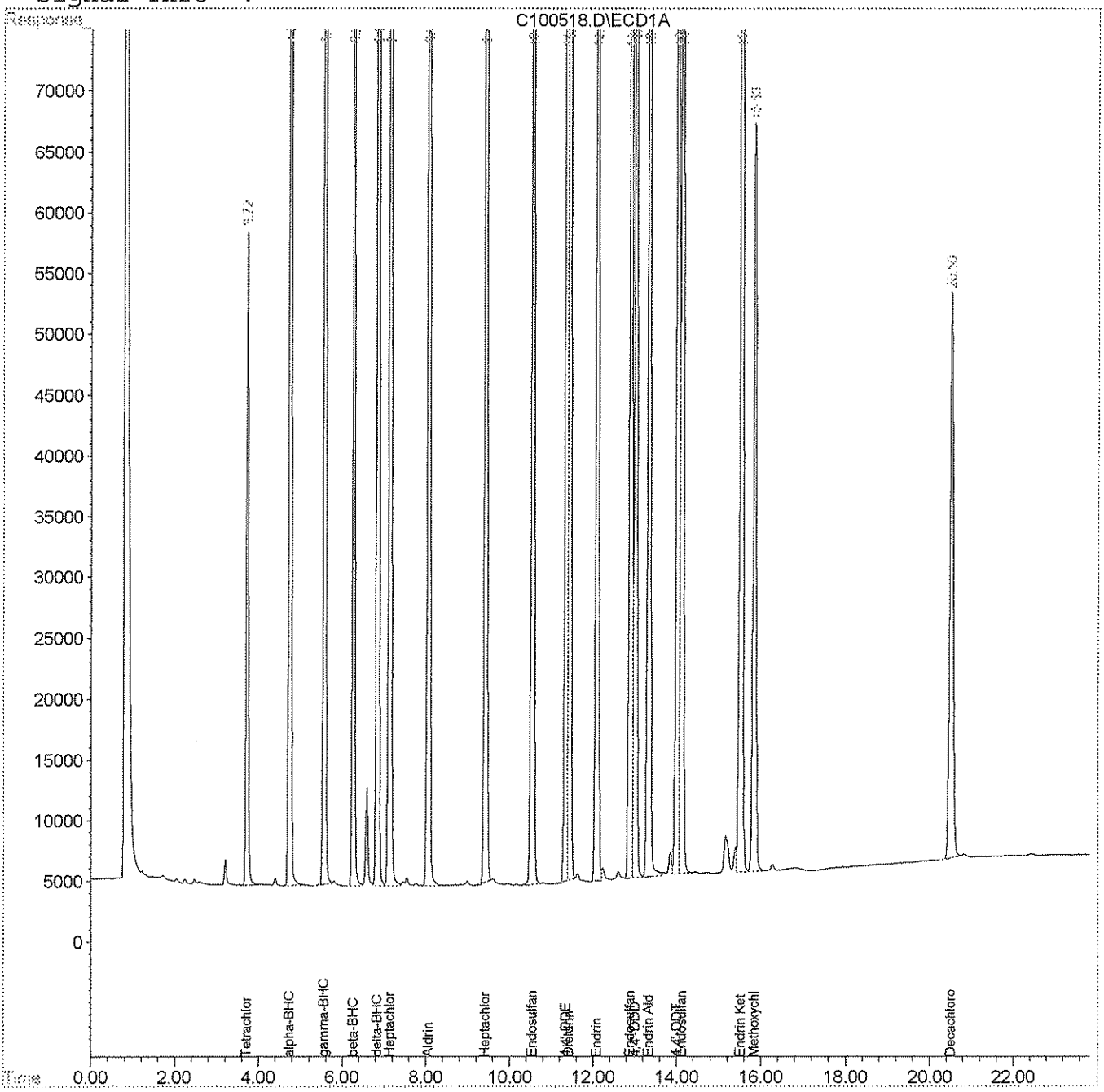
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100507\C100518.D Vial: 9
Acq On : 5 Oct 2007 20:05 Operator: als
Sample : ,ical,pesticide lin 7 0.2ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 8 14:01 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081/608
Last Update : Mon Oct 08 13:57:54 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



CONTINUING CALIBRATION RAW DATA

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\C100807\C100808C.D
Acq On : 8 Oct 2007 15:05
Sample : ,ccv,Ar 1016/1260 ccv1 1.0ug/ml,1,
Misc : 8081pcb_w
IntFile : events.e

Vial: 4
Operator: als
Inst : #2 ECD
Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\C1660G.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-Col A-MR-1-Ar 1660-mtd 8082/608
Last Update : Mon Oct 08 13:35:17 2007
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene	23.291	21.211	E6	8.9	92	0.02
2	S	Decachlorobiphenyl	41.597	34.090	E6	18.0	86	0.02
3		Ar1016peak1	499.881	407.612	E3	18.5	90	0.02
4		Ar1016peak2	646.521	585.014	E3	9.5	98	0.02
5		Ar1016peak3 Avg=132	2.055	1.750	E6	14.8	97	0.02
6		Ar1016peak4	0.905	0.798	E6	11.8	103	0.02
7		Ar1016peak5	662.696	594.933	E3	10.2	97	0.02
8		Ar1260peak1	2.260	2.019	E6	10.7	96	0.02
9		Ar1260peak2	1.573	1.352	E6	14.0	94	0.02
10		Ar1260peak3 Avg=11.72	784.890	688.579	E3	12.3	91	0.02
11		Ar1260peak4	1.467	1.409	E6	4.0	103	0.02
12		Ar1260peak5	2.320	1.915	E6	17.5	85	0.01

AS 10/8/07

(#) = Out of Range SPCC's out = 0 CCC's out = 0
C100808C.D C1660G.M Mon Oct 08 16:20:46 2007 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100807\C100808C.D Vial: 4
Acq On : 8 Oct 2007 15:05 Operator: als
Sample : ,ccv,Ar 1016/1260 ccv1 1.0ug/ml,1, Inst : #2 ECD
Misc : 8081pcb_w Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 8 16:20 2007 Quant Results File: C1660G.RES

Quant Method : C:\HPCHEM\2\METHODS\C1660G.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-Col A-MR-1-Ar 1660-mtd 8082/608
Last Update : Mon Oct 08 13:35:17 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1)	S Tetrachloro-m-xylene	3.74	848443	0.036 ug/ml
2)	S Decachlorobiphenyl	20.52	1363587	0.033 ug/ml
	Target Compounds			
3)	Ar1016peak1	4.70	407612	0.815 ug/ml
4)	Ar1016peak2	6.11	585014	0.905 ug/ml
5)	Ar1016peak3	6.98	1749910	0.852 ug/ml
6)	Ar1016peak4	7.16	798104	0.882 ug/ml
7)	Ar1016peak5	7.43	594933	0.898 ug/mlm3
8)	Ar1260peak1	13.88	2018886	0.893 ug/ml
9)	Ar1260peak2	14.21	1352293	0.860 ug/ml
10)	Ar1260peak3	14.39	688579	0.877 ug/mlm3
11)	Ar1260peak4	14.87	1409113	0.961 ug/ml
12)	Ar1260peak5	16.84	1914800	0.825 ug/mlm3

AS 10/8/07

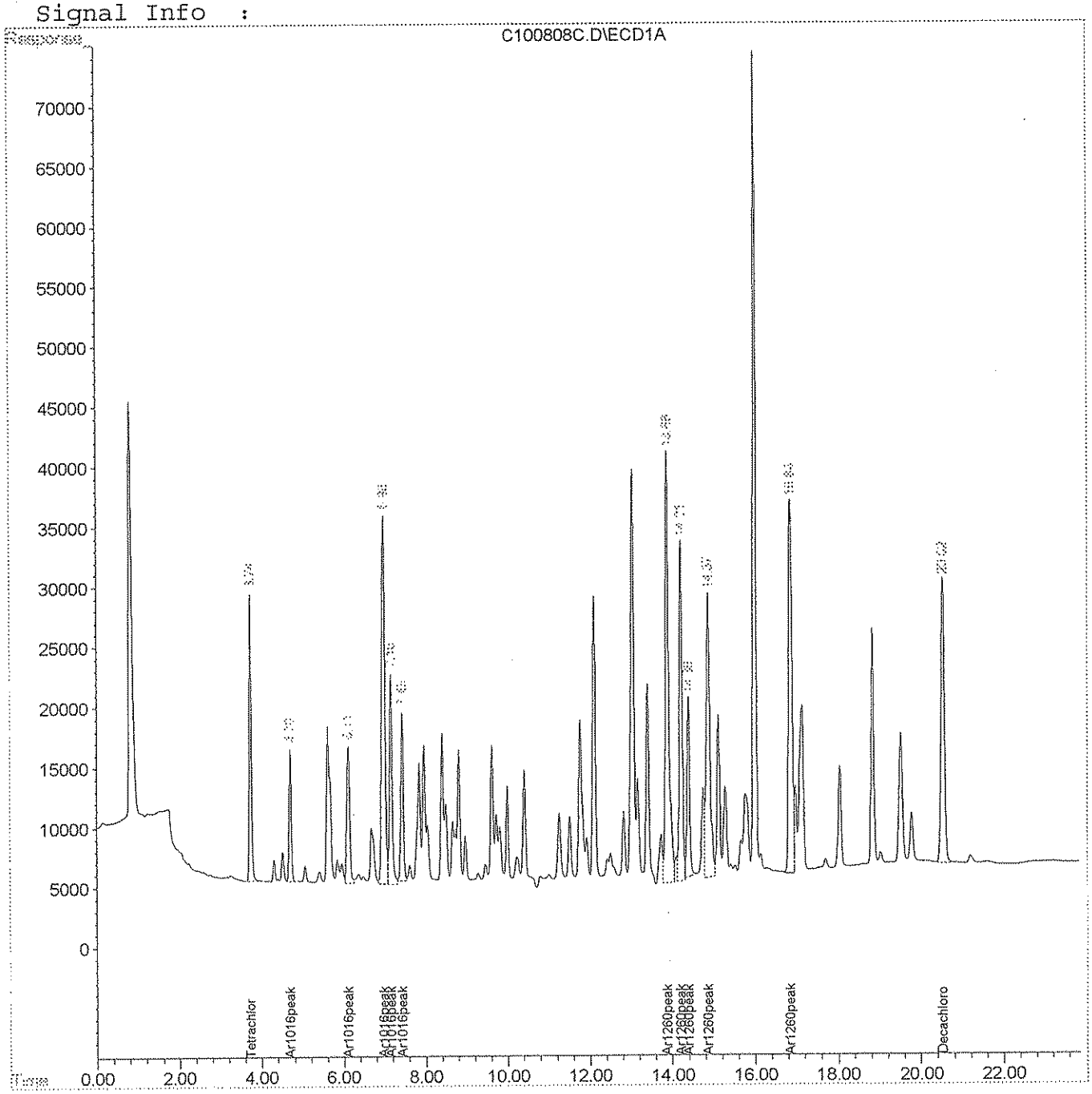
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100807\C100808C.D Vial: 4
Acq On : 8 Oct 2007 15:05 Operator: als
Sample : ,ccv,Ar 1016/1260 ccv1 1.0ug/ml,1, Inst : #2 ECD
Misc : 8081pcb_w Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 8 16:20 2007 Quant Results File: C1660G.RES

Quant Method : C:\HPCHEM\2\METHODS\C1660G.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-Col A-MR-1-Ar 1660-mtd 8082/608
Last Update : Mon Oct 08 13:35:17 2007
Response via : Single Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100807\C100824.D Vial: 2
Acq On : 8 Oct 2007 22:29 Operator: als
Sample : ,ccv,DDT/Endrin ccv1 0.5ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 9 8:45 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Tetrachloro-m-xylene	0.00	0	N.D.	ug/ml
Spiked Amount 0.020	Recovery	=	0.00%	
2) S Decachlorobiphenyl	0.00	0	N.D.	ug/mld
Spiked Amount 0.020	Recovery	=	0.00%	
Target Compounds				
3) alpha-BHC	0.00	0	N.D.	ug/mld
4) gamma-BHC	0.00	0	N.D.	ug/mld
5) beta-BHC	0.00	0	N.D.	ug/mld
6) delta-BHC	0.00	0	N.D.	ug/mld
7) Heptachlor	0.00	0	N.D.	ug/mld
8) Aldrin	0.00	0	N.D.	ug/mld
9) Heptachlor epoxide	0.00	0	N.D.	ug/mld
10) Endosulfan I	0.00	0	N.D.	ug/mld
11) 4,4'-DDE	11.35	105828	0.004	ug/ml
12) Dieldrin	0.00	0	N.D.	ug/mld
13) Endrin	12.08	12174644	0.570	ug/ml
14) Endosulfan II	0.00	0	N.D.	ug/mld
15) 4,4'-DDD	13.01	211156	0.011	ug/ml
16) Endrin Aldehyde	13.33	255984	0.011	ug/ml
17) 4,4'-DDT	14.00	10968790	0.533	ug/ml
18) Endosulfan Sulfate	0.00	0	N.D.	ug/mld
19) Endrin Ketone	15.52	207499	0.007	ug/ml
20) Methoxychlor	0.00	0	N.D.	ug/mld

$$DDT = \frac{105828 + 211156}{\left(\frac{\cancel{126984}}{316984}\right) + 10968790} \times 100 = 2.8\%$$

$$Endrin = \frac{255984 + 207499}{\left(\frac{463483}{}\right) + 12174644} \times 100 = 3.7\%$$

Als 10/9/07

(f)=RT Delta > 1/2 Window (m)=manual int.

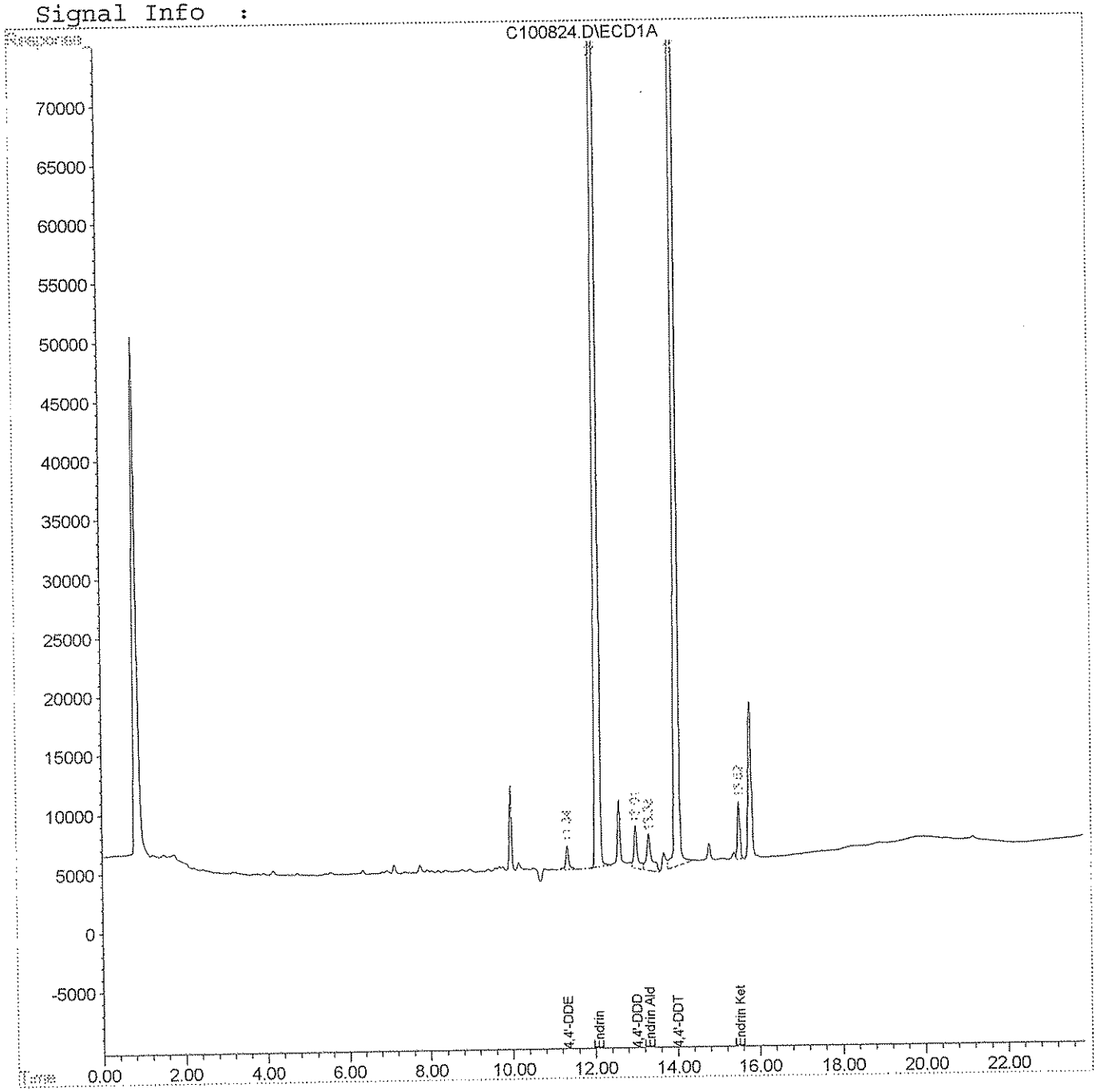
Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100807\C100824.D
Acq On : 8 Oct 2007 22:29
Sample : ,ccv,DDT/Endrin ccv1 0.5ug/ml,1,
Misc : 8081_w
IntFile : EVENTS.E
Quant Time: Oct 9 8:45 2007 Quant Results File: CPESTK.RES

Vial: 2
Operator: als
Inst : #2 ECD
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\C100807\C100825.D
Acq On : 8 Oct 2007 22:57
Sample : ,ccv,Pesticide ccv1 0.05ug/ml,1,
Misc : 8081_w
IntFile : EVENTS.E

Vial: 3
Operator: als
Inst : #2 ECD
Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene	21.153	24.776 E6	-17.1	112	-0.01
2	S	Decachlorobiphenyl	37.626	36.068 E6	4.1	93	-0.01
3		alpha-BHC	27.418	35.944 E6	-31.1#	113	-0.02
4		gamma-BHC	28.507	34.436 E6	-20.8	112	-0.02
5		beta-BHC	15.252	17.485 E6	-14.6	111	-0.02
6		delta-BHC	28.384	35.089 E6	-23.6	114	-0.02
7		Heptachlor	30.437	35.034 E6	-15.1	111	-0.02
8		Aldrin	26.882	32.915 E6	-22.4	110	-0.02
9		Heptachlor epoxide	24.127	27.546 E6	-14.2	109	-0.02
10		Endosulfan I	22.359	25.358 E6	-13.4	108	-0.02
11		4,4'-DDE	25.670	29.472 E6	-14.8	106	-0.02
12		Dieldrin	25.467	30.243 E6	-18.8	107	-0.02
13		Endrin	21.377	25.054 E6	-17.2	112	-0.02
14		Endosulfan II	23.214	26.070 E6	-12.3	107	-0.02
15		4,4'-DDD	18.695	21.167 E6	-13.2	108	-0.02
16		Endrin Aldehyde	22.661	23.665 E6	-4.4	101	-0.02
17		4,4'-DDT	20.569	22.926 E6	-11.5	105	-0.02
18		Endosulfan Sulfate	22.713	24.928 E6	-9.8	105	-0.02
19		Endrin Ketone	29.679	31.278 E6	-5.4	99	-0.01
20		Methoxychlor	20.354	20.482 E6	-0.6	103	0.02

Avg = 14.62

AS 10/9/07

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100807\C100825.D Vial: 3
Acq On : 8 Oct 2007 22:57 Operator: als
Sample : ,ccv,Pesticide ccv1 0.05ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 9 8:46 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Tetrachloro-m-xylene	3.73	495523	0.023 ug/ml
Spiked Amount 0.020	Recovery	= 115.00%	
2) S Decachlorobiphenyl	20.50	721361	0.019 ug/ml
Spiked Amount 0.020	Recovery	= 95.00%	
Target Compounds			
3) alpha-BHC	4.75	1797208	0.066 ug/ml
4) gamma-BHC	5.57	1721793	0.060 ug/ml
5) beta-BHC	6.26	874259	0.057 ug/ml
6) delta-BHC	6.84	1754466	0.062 ug/ml
7) Heptachlor	7.13	1751693	0.058 ug/ml
8) Aldrin	8.05	1645725	0.061 ug/ml
9) Heptachlor epoxide	9.42	1377298	0.057 ug/ml
10) Endosulfan I	10.53	1267877	0.057 ug/ml
11) 4,4'-DDE	11.35	1473595	0.057 ug/ml
12) Dieldrin	11.42	1512163	0.059 ug/ml
13) Endrin	12.09	1252689	0.059 ug/ml
14) Endosulfan II	12.89	1303492	0.056 ug/ml
15) 4,4'-DDD	13.01	1058334	0.057 ug/ml
16) Endrin Aldehyde	13.33	1183245	0.052 ug/ml
17) 4,4'-DDT	14.01	1146301	0.056 ug/ml
18) Endosulfan Sulfate	14.11	1246411	0.055 ug/ml
19) Endrin Ketone	15.52	1563893	0.053 ug/ml
20) Methoxychlor	15.83	1024122	0.050 ug/ml

AS 10/9/07

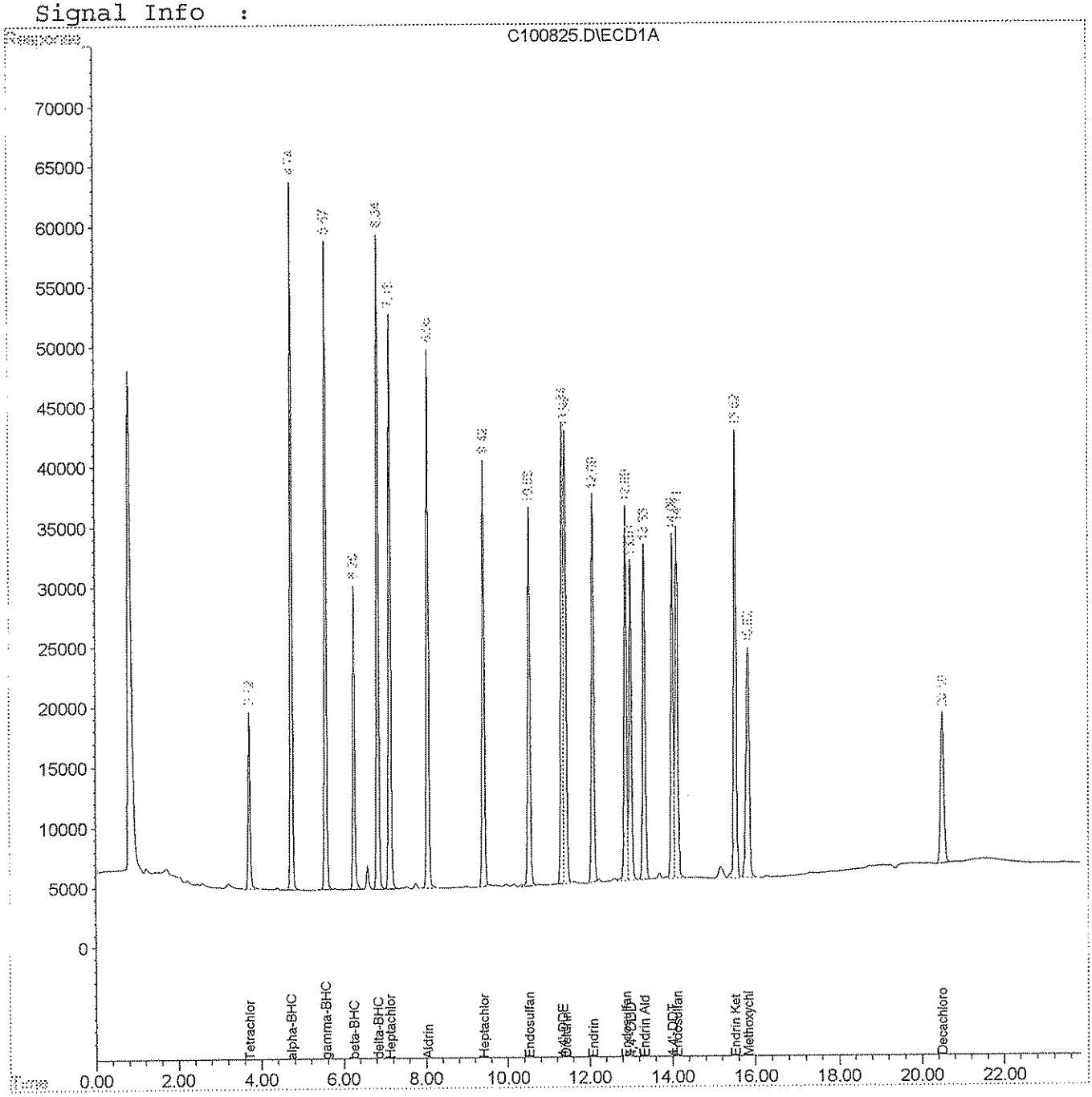
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100807\C100825.D Vial: 3
Acq On : 8 Oct 2007 22:57 Operator: als
Sample : ,ccv,Pesticide ccv1 0.05ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 9 8:46 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100807\C100826.D Vial: 5
Acq On : 8 Oct 2007 23:25 Operator: als
Sample : ,ccv,a/g-chlordane ccv1 0.05ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 9 8:48 2007 Quant Results File: CAGCHLOR.RES

Quant Method : C:\HPCHEM\2\METHODS\CAGCHLOR.M (Chemstation Integrator)
Title : ECD#2-front col-DB608
Last Update : Tue Oct 09 08:47:17 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Target Compounds			
1) gamma-chlordane	10.24	25809505	1.000 ug/ml
2) alpha-chlordane	10.47	25159809	1.000 ug/ml

AS 10/9/07

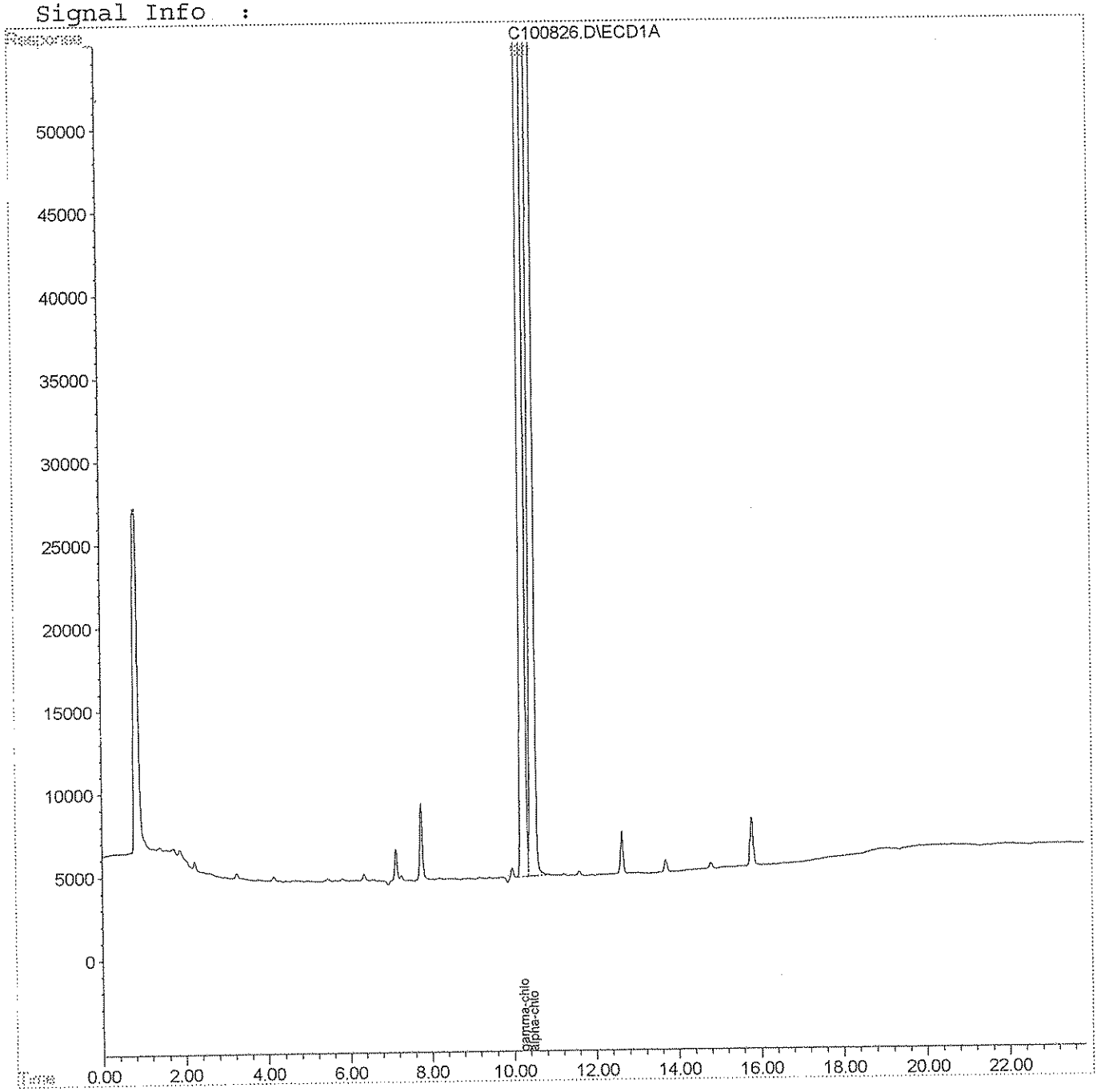
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : C:\HPCHEM\2\DATA\C100807\C100826.D
Acq On : 8 Oct 2007 23:25
Sample : ,ccv,a/g-chlordane ccv1 0.05ug/ml,1,
Misc : 8081_w
IntFile : EVENTS.E
Quant Time: Oct 9 8:48 2007 Quant Results File: CAGCHLOR.RES

Vial: 5
Operator: als
Inst : #2 ECD
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\CAGCHLOR.M (Chemstation Integrator)
Title : ECD#2-front col-DB608
Last Update : Tue Oct 09 08:47:17 2007
Response via : Single Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\C100807\C100839.D
Acq On : 9 Oct 2007 5:25
Sample : ,ccv,Pesticide ccv1 0.05ug/ml,1,
Misc : 8081_w
IntFile : EVENTS.E

Vial: 30
Operator: als
Inst : #2 ECD
Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene	21.153	22.686 E6	-7.2	103	-0.02
2	S	Decachlorobiphenyl	37.626	34.404 E6	8.6	89	-0.02
3		alpha-BHC	27.418	32.976 E6	-20.3	103	-0.02
4		gamma-BHC	28.507	31.715 E6	-11.3	103	-0.02
5		beta-BHC	15.252	16.267 E6	-6.7	103	-0.02
6		delta-BHC	28.384	32.164 E6	-13.3	104	-0.02
7		Heptachlor	30.437	32.274 E6	-6.0	102	-0.02
8		Aldrin	26.882	30.375 E6	-13.0	102	-0.02
9		Heptachlor epoxide	24.127	25.586 E6	-6.0	101	-0.02
10		Endosulfan I	22.359	23.143 E6	-3.5	99	-0.02
11		4,4'-DDE	25.670	26.312 E6	-2.5	95	-0.02
12		Dieldrin	25.467	26.992 E6	-6.0	95	-0.02
13		Endrin	21.377	21.741 E6	-1.7	97	-0.02
14		Endosulfan II	23.214	23.930 E6	-3.1	98	-0.02
15		4,4'-DDD	18.695	19.438 E6	-4.0	99	-0.02
16		Endrin Aldehyde	22.661	22.725 E6	-0.3	97	-0.02
17		4,4'-DDT	20.569	21.413 E6	-4.1	98	-0.02
18		Endosulfan Sulfate	22.713	23.777 E6	-4.7	100	-0.02
19		Endrin Ketone	29.679	30.364 E6	-2.3	96	-0.02
20		Methoxychlor	20.354	19.542 E6	4.0	98	0.01

Avg = 6.32
AS 10/9/07

(#) = Out of Range SPCC's out = 0 CCC's out = 0
C100839.D CPESTK.M Tue Oct 09 08:55:15 2007 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100807\C100839.D Vial: 30
Acq On : 9 Oct 2007 5:25 Operator: als
Sample : ,ccv,Pesticide ccv1 0.05ug/ml,1, Inst : #2 ECD
Misc : 8081_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 9 8:54 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Tetrachloro-m-xylene	3.73	453728	0.021 ug/ml
Spiked Amount 0.020	Recovery	= 105.00%	
2) S Decachlorobiphenyl	20.50	688087	0.018 ug/mlm 3
Spiked Amount 0.020	Recovery	= 90.00%	
Target Compounds			
3) alpha-BHC	4.74	1648780	0.060 ug/ml
4) gamma-BHC	5.57	1585774	0.056 ug/ml
5) beta-BHC	6.26	813326	0.053 ug/ml
6) delta-BHC	6.84	1608212	0.057 ug/ml
7) Heptachlor	7.13	1613719	0.053 ug/ml
8) Aldrin	8.05	1518736	0.056 ug/ml
9) Heptachlor epoxide	9.41	1279318	0.053 ug/ml
10) Endosulfan I	10.53	1157173	0.052 ug/ml
11) 4,4'-DDE	11.34	1315623	0.051 ug/ml
12) Dieldrin	11.42	1349622	0.053 ug/ml
13) Endrin	12.08	1087034	0.051 ug/ml
14) Endosulfan II	12.88	1196513	0.052 ug/ml
15) 4,4'-DDD	13.01	971877	0.052 ug/ml
16) Endrin Aldehyde	13.33	1136232	0.050 ug/ml
17) 4,4'-DDT	14.00	1070626	0.052 ug/ml
18) Endosulfan Sulfate	14.11	1188845	0.052 ug/ml
19) Endrin Ketone	15.51	1518213	0.051 ug/ml
20) Methoxychlor	15.82	977085	0.048 ug/ml

AS 10/9/07

(f)=RT Delta > 1/2 Window (m)=manual int.

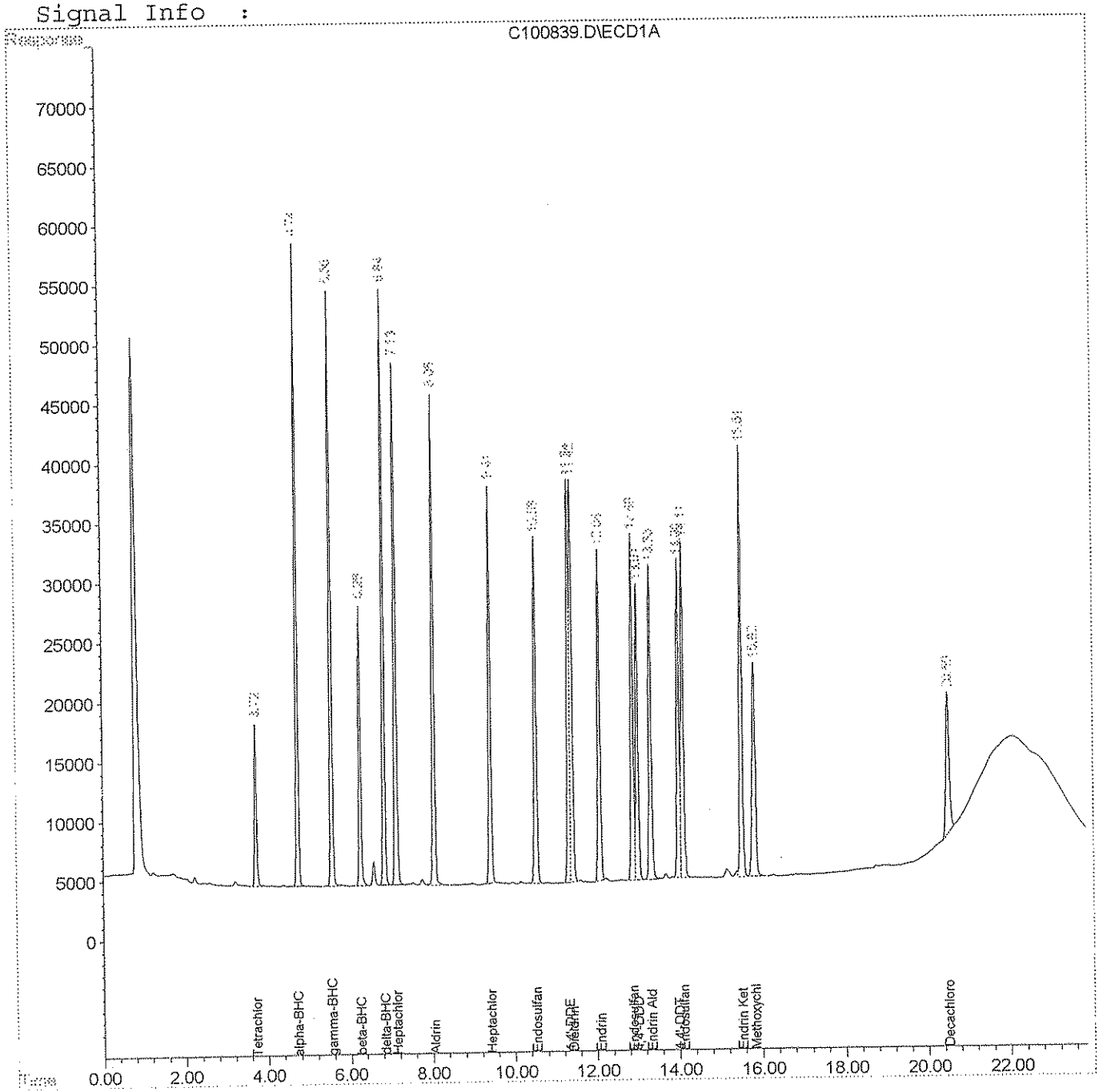
Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100807\C100839.D
Acq On : 9 Oct 2007 5:25
Sample : ,ccv,Pesticide ccv1 0.05ug/ml,1,
Misc : 8081_w
IntFile : EVENTS.E
Quant Time: Oct 9 8:54 2007 Quant Results File: CPESTK.RES

Vial: 30
Operator: als
Inst : #2 ECD
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\C100807\C100840.D
Acq On : 9 Oct 2007 5:53
Sample : ,ccv,Ar 1016/1260 ccv1 1.0ug/ml,1,
Misc : 8081pcb_w
IntFile : events.e

Vial: 31
Operator: als
Inst : #2 ECD
Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\C1660G.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-Col A-MR-1-Ar 1660-mtd 8082
Last Update : Mon Oct 08 13:35:17 2007
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene	23.291	24.103	E6	-3.5	105	0.00
2	S	Decachlorobiphenyl	41.597	36.250	E6	12.9	91	0.00
3		Ar1016peak1	499.881	469.724	E3	6.0	104	0.00
4		Ar1016peak2	646.521	619.431	E3	4.2	104	0.00
5		Ar1016peak3	2.055	1.881	E6	8.5	104	0.00
6		Ar1016peak4	0.905	0.800	E6	11.6	103	0.00
7		Ar1016peak5	662.696	641.455	E3	3.2	104	0.00
8		Ar1260peak1	2.260	2.080	E6	8.0	99	0.00
9		Ar1260peak2	1.573	1.385	E6	12.0	96	0.00
10		Ar1260peak3	784.890	742.726	E3	5.4	98	0.00
11		Ar1260peak4	1.467	1.340	E6	8.7	98	0.00
12		Ar1260peak5	2.320	2.112	E6	9.0	94	0.00

AS 10/19/07

(#) = Out of Range SPCC's out = 0 CCC's out = 0
C100840.D C1660G.M Tue Oct 09 08:55:53 2007 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100807\C100840.D Vial: 31
Acq On : 9 Oct 2007 5:53 Operator: als
Sample : ,ccv,Ar 1016/1260 ccv1 1.0ug/ml,1, Inst : #2 ECD
Misc : 8081pcb_w Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 9 8:55 2007 Quant Results File: C1660G.RES

Quant Method : C:\HPCHEM\2\METHODS\C1660G.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-Col A-MR-1-Ar 1660-mtd 8082
Last Update : Mon Oct 08 13:35:17 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1)	S Tetrachloro-m-xylene	3.72	964129	0.041 ug/ml
2)	S Decachlorobiphenyl	20.49	1450002	0.035 ug/mlm3
	Target Compounds			
3)	Ar1016peak1	4.68	469724	0.940 ug/ml
4)	Ar1016peak2	6.09	619431	0.958 ug/ml
5)	Ar1016peak3	6.96	1881170	0.916 ug/ml
6)	Ar1016peak4	7.13	799941	0.884 ug/ml
7)	Ar1016peak5	7.40	641455	0.968 ug/ml
8)	Ar1260peak1	13.86	2079509	0.920 ug/ml
9)	Ar1260peak2	14.19	1385403	0.881 ug/ml
10)	Ar1260peak3	14.37	742726	0.946 ug/ml
11)	Ar1260peak4	14.85	1340214	0.914 ug/ml
12)	Ar1260peak5	16.82	2111527	0.910 ug/ml

AS 10/9/07

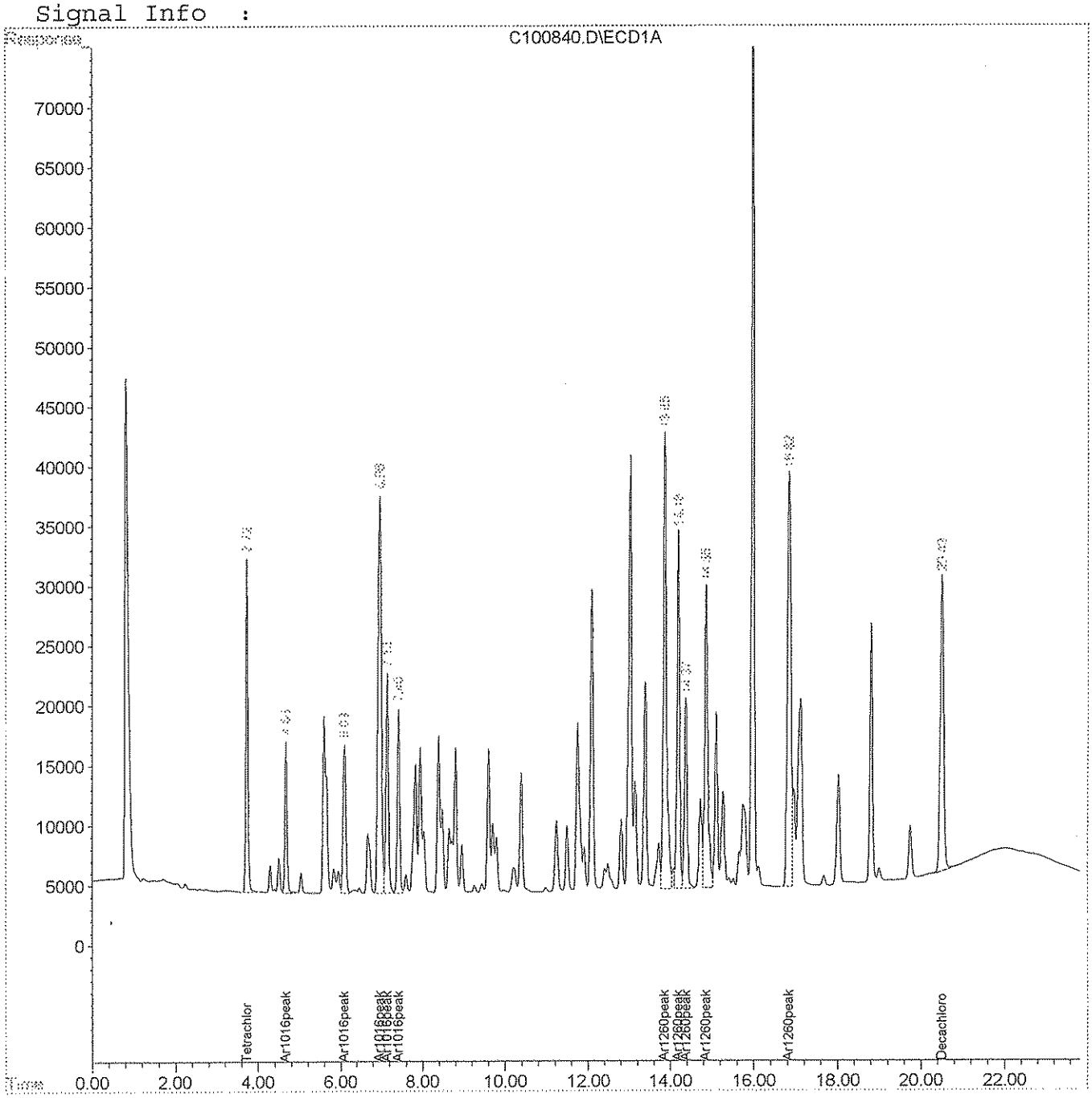
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100807\C100840.D Vial: 31
Acq On : 9 Oct 2007 5:53 Operator: als
Sample : ,ccv,Ar 1016/1260 ccv1 1.0ug/ml,1, Inst : #2 ECD
Misc : 8081pcb_w Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 9 8:55 2007 Quant Results File: C1660G.RES

Quant Method : C:\HPCHEM\2\METHODS\C1660G.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-Col A-MR-1-Ar 1660-mtd 8082
Last Update : Mon Oct 08 13:35:17 2007
Response via : Single Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



SAMPLE RAW DATA

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100807\C100830.D Vial: 23
Acq On : 9 Oct 2007 1:16 Operator: als
Sample : ,samp,me0710178-02b,1, Inst : #2 ECD
Misc : 8081-82_pestpcb_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 9 8:50 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Tetrachloro-m-xylene	3.73	319594	0.015	ug/ml
Spiked Amount 0.020	Recovery	=	75.00%	
2) S Decachlorobiphenyl	20.50	593448	0.016	ug/mlm3
Spiked Amount 0.020	Recovery	=	80.00%	
Target Compounds				
3) alpha-BHC	0.00	0	N.D.	ug/ml
4) gamma-BHC	0.00	0	N.D.	ug/mld
5) beta-BHC	0.00	0	N.D.	ug/mld
6) delta-BHC	0.00	0	N.D.	ug/mld
7) Heptachlor	0.00	0	N.D.	ug/mld
8) Aldrin	0.00	0	N.D.	ug/mld
9) Heptachlor epoxide	0.00	0	N.D.	ug/mld
10) Endosulfan I	0.00	0	N.D.	ug/mld
11) 4,4'-DDE	0.00	0	N.D.	ug/mld
12) Dieldrin	0.00	0	N.D.	ug/mld
13) Endrin	0.00	0	N.D.	ug/mld
14) Endosulfan II	0.00	0	N.D.	ug/mld
15) 4,4'-DDD	0.00	0	N.D.	ug/mld
16) Endrin Aldehyde	0.00	0	N.D.	ug/mld
17) 4,4'-DDT	0.00	0	N.D.	ug/mld
18) Endosulfan Sulfate	0.00	0	N.D.	ug/mld
19) Endrin Ketone	0.00	0	N.D.	ug/mld
20) Methoxychlor	0.00	0	N.D.	ug/mld

AS 10/9/07

(f)=RT Delta > 1/2 Window (m)=manual int.

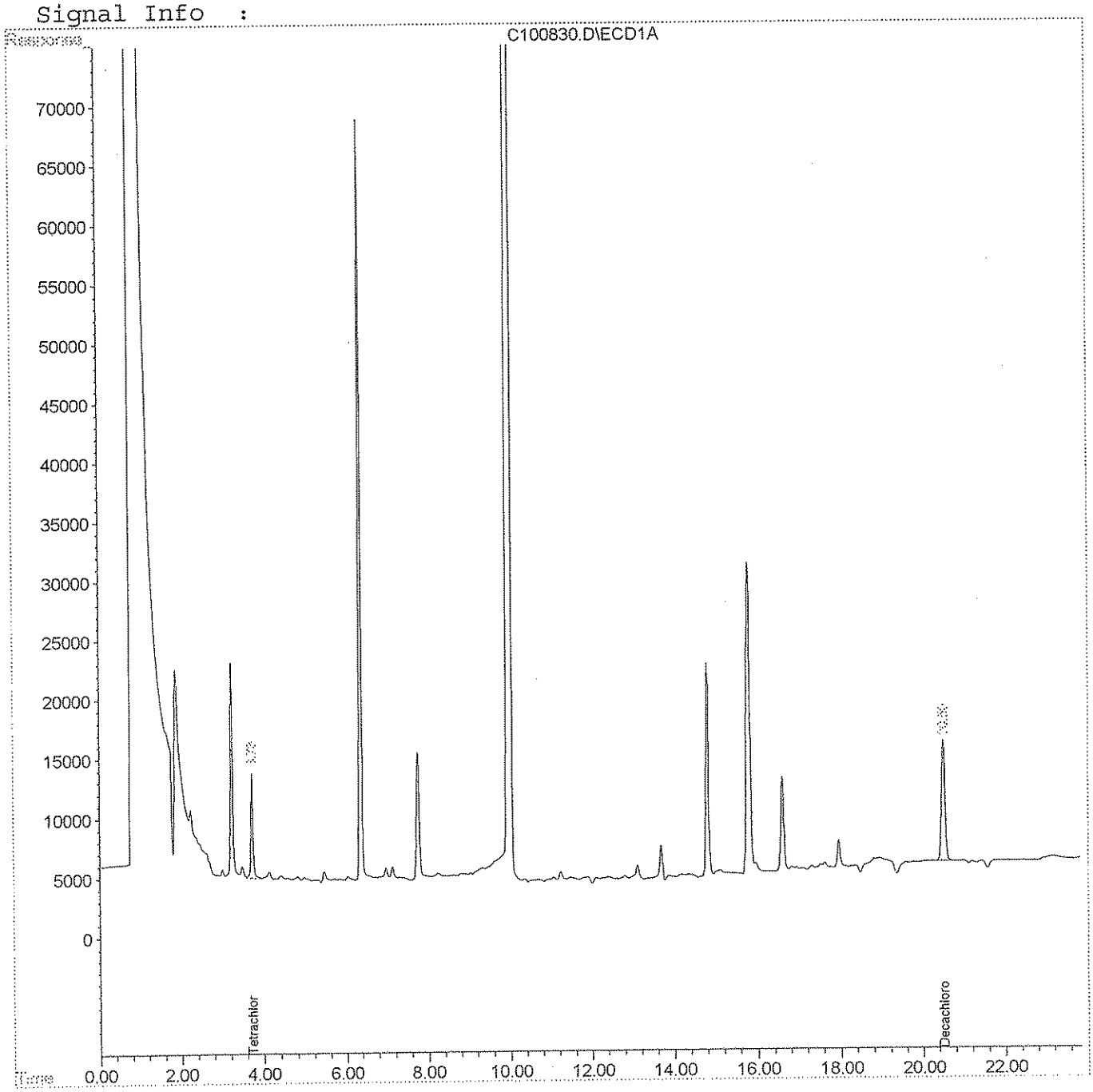
Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100807\C100830.D
Acq On : 9 Oct 2007 1:16
Sample : ,samp,me0710178-02b,1,
Misc : 8081-82_pestpcb_w
IntFile : EVENTS.E
Quant Time: Oct 9 8:50 2007 Quant Results File: CPESTK.RES

Vial: 23
Operator: als
Inst : #2 ECD
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100807\C100831.D Vial: 24
Acq On : 9 Oct 2007 1:43 Operator: als
Sample : ,samp,me0710178-03b,1, Inst : #2 ECD
Misc : 8081-82_pestpcb_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 9 8:51 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Tetrachloro-m-xylene	3.73	334306	0.016	ug/ml
Spiked Amount 0.020	Recovery	=	80.00%	
2) S Decachlorobiphenyl	20.50	652312	0.017	ug/ml m3
Spiked Amount 0.020	Recovery	=	85.00%	
Target Compounds				
3) alpha-BHC	0.00	0	N.D.	ug/ml d
4) gamma-BHC	0.00	0	N.D.	ug/ml d
5) beta-BHC	0.00	0	N.D.	ug/ml d
6) delta-BHC	0.00	0	N.D.	ug/ml d
7) Heptachlor	0.00	0	N.D.	ug/ml d
8) Aldrin	0.00	0	N.D.	ug/ml d
9) Heptachlor epoxide	0.00	0	N.D.	ug/ml d
10) Endosulfan I	0.00	0	N.D.	ug/ml d
11) 4,4'-DDE	0.00	0	N.D.	ug/ml d
12) Dieldrin	0.00	0	N.D.	ug/ml d
13) Endrin	0.00	0	N.D.	ug/ml d
14) Endosulfan II	0.00	0	N.D.	ug/ml d
15) 4,4'-DDD	0.00	0	N.D.	ug/ml d
16) Endrin Aldehyde	0.00	0	N.D.	ug/ml d
17) 4,4'-DDT	0.00	0	N.D.	ug/ml d
18) Endosulfan Sulfate	0.00	0	N.D.	ug/ml d
19) Endrin Ketone	0.00	0	N.D.	ug/ml d
20) Methoxychlor	0.00	0	N.D.	ug/ml d

AS 10/9/07

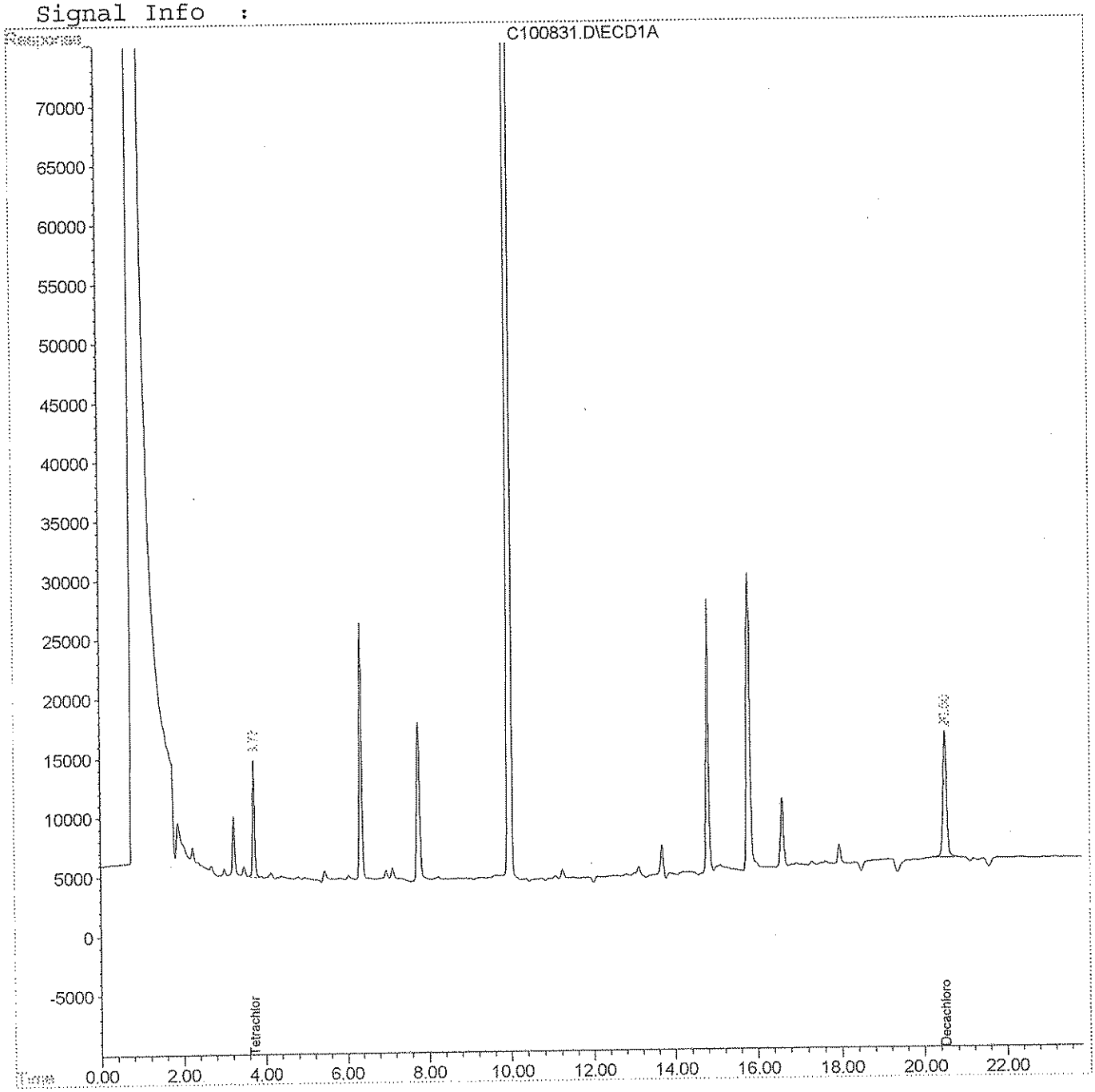
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : C:\HPCHEM\2\DATA\C100807\C100831.D
Acq On : 9 Oct 2007 1:43
Sample : ,samp,me0710178-03b,1,
Misc : 8081-82_pestpcb_w
IntFile : EVENTS.E
Quant Time: Oct 9 8:51 2007 Quant Results File: CPESTK.RES

Vial: 24
Operator: als
Inst : #2 ECD
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100807\C100832.D
Acq On : 9 Oct 2007 2:11
Sample : ,samp,me0710178-04b,1,
Misc : 8081-82_pestpcb_w
IntFile : EVENTS.E
Quant Time: Oct 9 8:52 2007 Quant Results File: CPESTK.RES

Vial: 25
Operator: als
Inst : #2 ECD
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Tetrachloro-m-xylene	3.73	345456	0.016	ug/ml
Spiked Amount 0.020	Recovery	=	80.00%	
2) S Decachlorobiphenyl	20.50	672760	0.018	ug/mlm3
Spiked Amount 0.020	Recovery	=	90.00%	
Target Compounds				
3) alpha-BHC	0.00	0	N.D.	ug/mld
4) gamma-BHC	0.00	0	N.D.	ug/mld
5) beta-BHC	0.00	0	N.D.	ug/mld
6) delta-BHC	0.00	0	N.D.	ug/mld
7) Heptachlor	0.00	0	N.D.	ug/mld
8) Aldrin	0.00	0	N.D.	ug/mld
9) Heptachlor epoxide	0.00	0	N.D.	ug/mld
10) Endosulfan I	0.00	0	N.D.	ug/mld
11) 4,4'-DDE	0.00	0	N.D.	ug/mld
12) Dieldrin	0.00	0	N.D.	ug/mld
13) Endrin	0.00	0	N.D.	ug/mld
14) Endosulfan II	0.00	0	N.D.	ug/mld
15) 4,4'-DDD	0.00	0	N.D.	ug/mld
16) Endrin Aldehyde	0.00	0	N.D.	ug/mld
17) 4,4'-DDT	0.00	0	N.D.	ug/mld
18) Endosulfan Sulfate	0.00	0	N.D.	ug/mld
19) Endrin Ketone	0.00	0	N.D.	ug/mld
20) Methoxychlor	0.00	0	N.D.	ug/mld

A 10/9/07

A 10/9/07

(f)=RT Delta > 1/2 Window (m)=manual int.

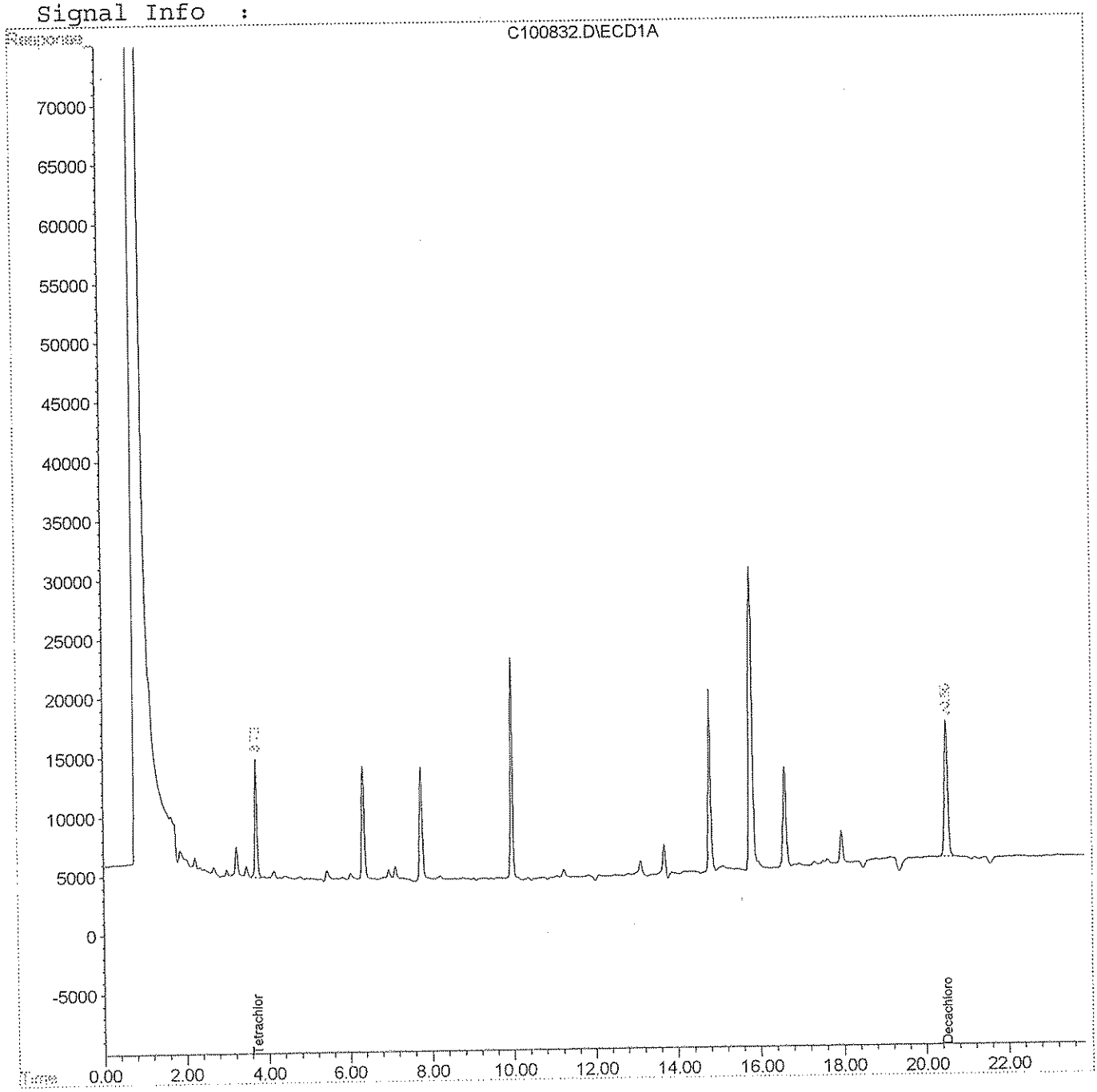
Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100807\C100832.D
Acq On : 9 Oct 2007 2:11
Sample : ,samp,me0710178-04b,1,
Misc : 8081-82_pestpcb_w
IntFile : EVENTS.E
Quant Time: Oct 9 8:52 2007 Quant Results File: CPESTK.RES

Vial: 25
Operator: als
Inst : #2 ECD
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100807\C100833.D Vial: 26
Acq On : 9 Oct 2007 2:39 Operator: als
Sample : ,samp,me0710178-05b,1, Inst : #2 ECD
Misc : 8081-82_pestpcb_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 9 8:52 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Tetrachloro-m-xylene	3.73	319042	0.015	ug/ml
Spiked Amount 0.020	Recovery	=	75.00%	
2) S Decachlorobiphenyl	20.50	666885	0.018	ug/mlm3
Spiked Amount 0.020	Recovery	=	90.00%	
Target Compounds				
3) alpha-BHC	0.00	0	N.D.	ug/ml
4) gamma-BHC	0.00	0	N.D.	ug/mld
5) beta-BHC	0.00	0	N.D.	ug/mld
6) delta-BHC	0.00	0	N.D.	ug/mld
7) Heptachlor	0.00	0	N.D.	ug/mld
8) Aldrin	0.00	0	N.D.	ug/mld
9) Heptachlor epoxide	0.00	0	N.D.	ug/mld
10) Endosulfan I	0.00	0	N.D.	ug/mld
11) 4,4'-DDE	0.00	0	N.D.	ug/mld
12) Dieldrin	0.00	0	N.D.	ug/mld
13) Endrin	0.00	0	N.D.	ug/mld
14) Endosulfan II	0.00	0	N.D.	ug/mld
15) 4,4'-DDD	0.00	0	N.D.	ug/mld
16) Endrin Aldehyde	0.00	0	N.D.	ug/mld
17) 4,4'-DDT	0.00	0	N.D.	ug/mld
18) Endosulfan Sulfate	0.00	0	N.D.	ug/mld
19) Endrin Ketone	0.00	0	N.D.	ug/mld
20) Methoxychlor	0.00	0	N.D.	ug/mld

AS 10/9/07

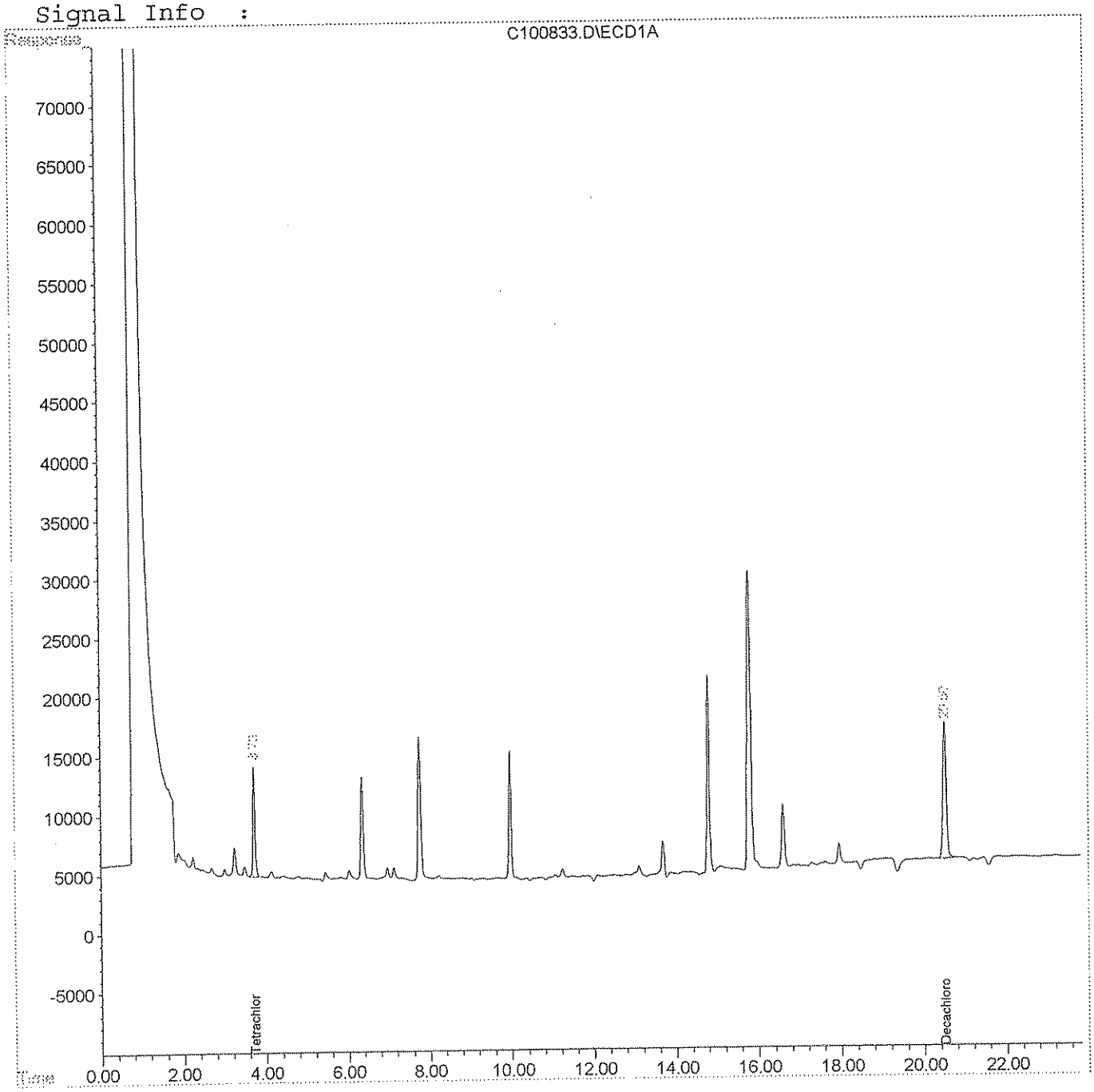
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : C:\HPCHEM\2\DATA\C100807\C100833.D
Acq On : 9 Oct 2007 2:39
Sample : ,samp,me0710178-05b,1,
Misc : 8081-82_pestpcb_w
IntFile : EVENTS.E
Quant Time: Oct 9 8:52 2007 Quant Results File: CPESTK.RES

Vial: 26
Operator: als
Inst : #2 ECD
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\C100807\C100836.D Vial: 29
Acq On : 9 Oct 2007 4:02 Operator: als
Sample : ,samp,me0710178-06b,1, Inst : #2 ECD
Misc : 8081-82_pestpcb_w Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Oct 9 8:54 2007 Quant Results File: CPESTK.RES

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Initial Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S Tetrachloro-m-xylene	3.73	345674	0.016	ug/ml
Spiked Amount 0.020	Recovery	=	80.00%	
2) S Decachlorobiphenyl	20.50	635037	0.017	ug/mlm3
Spiked Amount 0.020	Recovery	=	85.00%	
Target Compounds				
3) alpha-BHC	0.00	0	N.D.	ug/ml
4) gamma-BHC	0.00	0	N.D.	ug/mld
5) beta-BHC	0.00	0	N.D.	ug/mld
6) delta-BHC	0.00	0	N.D.	ug/mld
7) Heptachlor	0.00	0	N.D.	ug/mld
8) Aldrin	0.00	0	N.D.	ug/mld
9) Heptachlor epoxide	0.00	0	N.D.	ug/mld
10) Endosulfan I	0.00	0	N.D.	ug/mld
11) 4,4'-DDE	0.00	0	N.D.	ug/mld
12) Dieldrin	0.00	0	N.D.	ug/mld
13) Endrin	0.00	0	N.D.	ug/mld
14) Endosulfan II	0.00	0	N.D.	ug/mld
15) 4,4'-DDD	0.00	0	N.D.	ug/mld
16) Endrin Aldehyde	0.00	0	N.D.	ug/mld
17) 4,4'-DDT	0.00	0	N.D.	ug/mld
18) Endosulfan Sulfate	0.00	0	N.D.	ug/mld
19) Endrin Ketone	0.00	0	N.D.	ug/mld
20) Methoxychlor	0.00	0	N.D.	ug/mld

AS 10/9/07

(f)=RT Delta > 1/2 Window (m)=manual int.

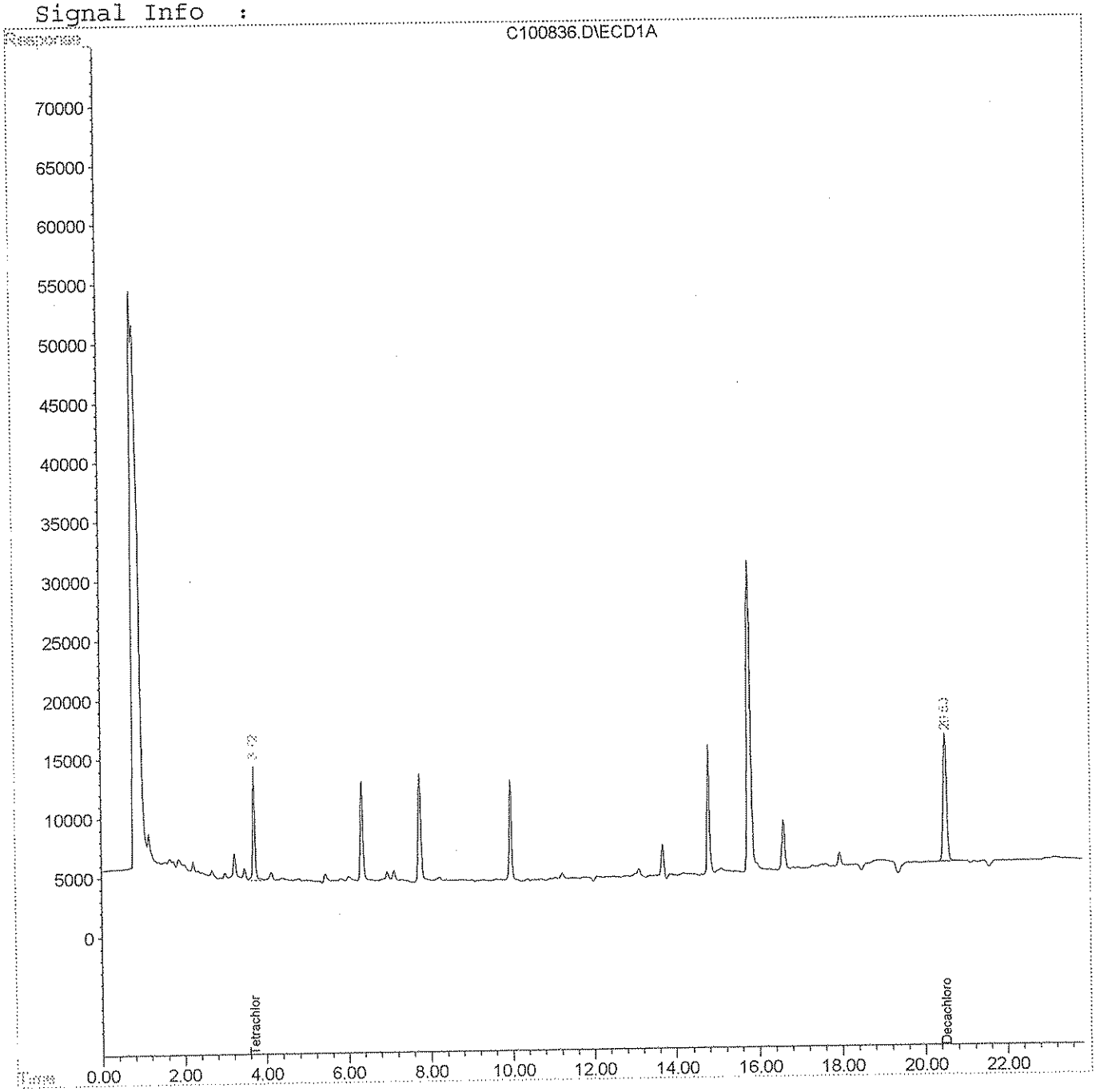
Quantitation Report

Data File : C:\HPCHEM\2\DATA\C100807\C100836.D
Acq On : 9 Oct 2007 4:02
Sample : ,samp,me0710178-06b,1,
Misc : 8081-82_pestpcb_w
IntFile : EVENTS.E
Quant Time: Oct 9 8:54 2007 Quant Results File: CPESTK.RES

Vial: 29
Operator: als
Inst : #2 ECD
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\CPESTK.M (Chemstation Integrator)
Title : 10/05/07-ECD#2-PEST ICAL-Col A-MR-1-mtd8081
Last Update : Mon Oct 08 14:04:30 2007
Response via : Multiple Level Calibration
DataAcq Meth : PESTPCBC.M

Volume Inj. :
Signal Phase :
Signal Info :



EXTRACTION LOG(S)

Microbac Laboratories, Inc.

PREP BATCH REPORT

Prep Batch **56278** Prep Code: **3510_P** Technician: **Jennifer White**

Prep Start Date: **10/6/2007 1:15:00 PM**
Prep End Date: **10/8/2007**

Sample ID	Matrix	pH	wt (g)	Ini vol (mL)	Sol Added	Sol Recov	Fin Vol (mL)	factor	PrepStart	PrepEnd
BK-3-100607				1000	0	0	10	0.01	10/6/2007	10/8/2007
LCS-3A-100607				1000	0	0	10	0.01	10/6/2007	10/8/2007
LCS-3B-100607				1000	0	0	10	0.01	10/6/2007	10/8/2007
ME0710178-02B	Aqueous			1000	0	0	10	0.01	10/6/2007	10/8/2007
ME0710178-03B	Aqueous			990	0	0	10	0.0101010	10/6/2007	10/8/2007
ME0710178-04B	Aqueous			960	0	0	10	0.0104167	10/6/2007	10/8/2007
ME0710178-05B	Aqueous			950	0	0	10	0.0105263	10/6/2007	10/8/2007
ME0710178-05BM	Aqueous			500	0	0	10	0.02	10/6/2007	10/8/2007
ME0710178-05BM	Aqueous			480	0	0	10	0.0208333	10/6/2007	10/8/2007
ME0710178-06B	Aqueous			990	0	0	10	0.0101010	10/6/2007	10/8/2007

Spk ID	Spike Name	SampType	AmtAdd
1MLSPAB402	PCB		0
1MLSPAB6-05	PEST		0
1MLSRAB13-16			0

Injection Log

Directory:C:\HPCHEM\2\DATA\C100807\

Vial	FileName	SampleName	MiscInfo	Injected
1	C100801.D	rinse		8 Oct 07 7:53
2	C100802.D	,ccv,DDT/Endrin ccv1 0.5ug/ml,1,	8081_w	8 Oct 07 8:26
3	C100803.D	,ccv,Pesticide ccv1 0.05ug/ml,1,	8081_w	8 Oct 07 8:53
4	C100804.D	,ccv,Ar 1016/1260 ccv1 1.0ug/ml,1,	8081pcb_w	8 Oct 07 9:2
5	C100805.D	,samp,me0709899-01a,10,	8081-82_pestpcb_s	8 Oct 07 9:
6	C100806.D	,samp,me0709900-01a,10,	8081-82_pestpcb_s	8 Oct 07 10:
7	C100807.D	,samp,me0709901-01a,10,	8081-82_pestpcb_s	8 Oct 07 10:
3	C100808.D	,ccv,Pesticide ccv1 0.05ug/ml,1,	8081_w	8 Oct 07 11:12
8	C100808A.D	,ccv,Ar 1248 ccv1 0.5ug/ml,1,	8081_w	8 Oct 07 11:40
4	C100808B.D	,ccv,Ar 1016/1260 ccv1 1.0ug/ml,1,	8081pcb_w	8 Oct 07 13:
4	C100808C.D	,ccv,Ar 1016/1260 ccv1 1.0ug/ml,1,	8081pcb_w	8 Oct 07 15:
12	C100809.D	,samp,me0710270-01a,1,	8081pcb_wipe	8 Oct 07 15:33
13	C100810.D	,samp,me0710270-02a,1,	8081pcb_wipe	8 Oct 07 16:01
3	C100811.D	,ccv,Pesticide ccv1 0.05ug/ml,1,	8081_w	8 Oct 07 16:29
9	C100812.D	,mblk,bk-3-100807,1,	8081pcb_wipe	8 Oct 07 16:56
10	C100813.D	,lcs,lcs-3a-100807,1,	8081pcb_wipe	8 Oct 07 17:24
11	C100814.D	,lcs,lcs-3b-100807,1,	8081pcb_wipe	8 Oct 07 17:52
14	C100815.D	,mblk,bk-4-100807,1,	pcb_o	8 Oct 07 18:20
15	C100816.D	,lcs,lcs-4-100807,1,	pcb_o	8 Oct 07 18:47
16	C100817.D	,samp,me0710266-01a,1,	pcb_o	8 Oct 07 19:15
17	C100818.D	,samp,me0709899-01a,1,	8081-82_pestpcb_s	8 Oct 07 19:
18	C100819.D	,samp,me0709900-01a,1,	8081-82_pestpcb_s	8 Oct 07 20:
19	C100820.D	,samp,me0709901-01a,1,	8081-82_pestpcb_s	8 Oct 07 20:
1	C100821.D	rinse	8081-82_pestpcb_s	8 Oct 07 21:
1	C100822.D	rinse	8081-82_pestpcb_s	8 Oct 07 21:
4	C100823.D	,ccv,Ar 1016/1260 ccv1 1.0ug/ml,1,	8081pcb_w	8 Oct 07 22:0
2	C100824.D	,ccv,DDT/Endrin ccv1 0.5ug/ml,1,	8081_w	8 Oct 07 22:29
3	C100825.D	,ccv,Pesticide ccv1 0.05ug/ml,1,	8081_w	8 Oct 07 22:57
5	C100826.D	,ccv,a/g-chlordane ccv1 0.05ug/ml,1,	8081_w	8 Oct 07 23
20	C100827.D	,mblk,bk-3-100607,1,	8081-82_pestpcb_w	8 Oct 07 23:
21	C100828.D	,lcs,lcs-3a-100607,1,	8081-82_pestpcb_w	9 Oct 07 00:
22	C100829.D	,lcs,lcs-3b-100607,1,	8081-82_pestpcb_w	9 Oct 07 00:
23	C100830.D	,samp,me0710178-02b,1,	8081-82_pestpcb_w	9 Oct 07 1:
24	C100831.D	,samp,me0710178-03b,1,	8081-82_pestpcb_w	9 Oct 07 1:
25	C100832.D	,samp,me0710178-04b,1,	8081-82_pestpcb_w	9 Oct 07 2:
26	C100833.D	,samp,me0710178-05b,1,	8081-82_pestpcb_w	9 Oct 07 2:
27	C100834.D	,ms,me0710178-05bms,1,	8081-82_pestpcb_w	9 Oct 07 3:
28	C100835.D	,msd,me0710178-05bmsd,1,	8081-82_pestpcb_w	9 Oct 07 3:
29	C100836.D	,samp,me0710178-06b,1,	8081-82_pestpcb_w	9 Oct 07 4:
1	C100837.D	rinse	8081-82_pestpcb_w	9 Oct 07 4:
1	C100838.D	rinse	8081-82_pestpcb_w	9 Oct 07 4:
30	C100839.D	,ccv,Pesticide ccv1 0.05ug/ml,1,	8081_w	9 Oct 07 5:25
31	C100840.D	,ccv,Ar 1016/1260 ccv1 1.0ug/ml,1,	8081pcb_w	9 Oct 07 5:5

GC & HPLC Standards (AS)

Acquisition Method PESTPCBC.M

Initial Linearity Date 10/5/07

ICV Std # T48-06, T50-17

CCV Std # AB18-20, AB18-12 10/9/07

SVOA GC/MS
RAW DATA

METHOD BLANK RAW DATA

Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100804.D
Acq On : 8 Oct 2007 6:50 pm
Sample : ,mblk,bk-1-100607,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 67 Sample Multiplier: 1

Quant Time: Oct 08 19:30:36 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.408	152	44908	40.00	ug/ml	-0.04
19) Naphthalene-d8	5.711	136	170932	40.00	ug/ml	-0.04
36) Acenaphthene-d10	7.661	164	116659	40.00	ug/ml	-0.04
56) Phenanthrene-d10	9.306	188	214632	40.00	ug/ml	-0.04
69) Chrysene-d12	11.609	240	295856	40.00	ug/ml	-0.03
78) Perylene-d12	12.837	264	255867	40.00	ug/ml	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	3.280	112	51443	40.02	ug/ml	-0.02
Spiked Amount 150.000			Recovery =	26.68%		
5) Phenol-d5	4.082	99	43609	28.00	ug/ml	-0.01
Spiked Amount 150.000			Recovery =	18.67%		
20) Nitrobenzene-d5	4.958	82	56611	41.80	ug/ml	-0.04
Spiked Amount 100.000			Recovery =	41.80%		
40) 2-Fluorobiphenyl	6.902	172	164285	41.81	ug/ml	-0.04
Spiked Amount 100.000			Recovery =	41.81%		
60) 2,4,6-Tribromophenol	8.558	330	98481	77.83	ug/ml	-0.04
Spiked Amount 150.000			Recovery =	51.89%		
72) Terphenyl-d14	10.754	244	425075	63.93	ug/ml	-0.03
Spiked Amount 100.000			Recovery =	63.93%		
Target Compounds						Qvalue
~~10)~~ 1,3-Dichlorobenzene	4.424	146	6401	3.59	ug/ml	98
11) 1,4-Dichlorobenzene	4.424	146	6401	3.45	ug/ml	98
~~12)~~ 1,2-Dichlorobenzene	4.424	146	6401	3.70	ug/ml	97
73) Butyl benzyl phthalate	11.144	149	6146	1.50	ug/ml	92
82) Benzo[a]pyrene	12.784	252	14382	1.76	ug/ml	98
83) Indeno[1,2,3cd]pyrene	14.066	276	18895	1.99	ug/ml	93
84) Dibenz[a,h]anthracene	14.072	278	13060	2.24	ug/ml	95
85) Benzo[g,h,i]perylene	14.435	276	20121	2.45	ug/ml	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

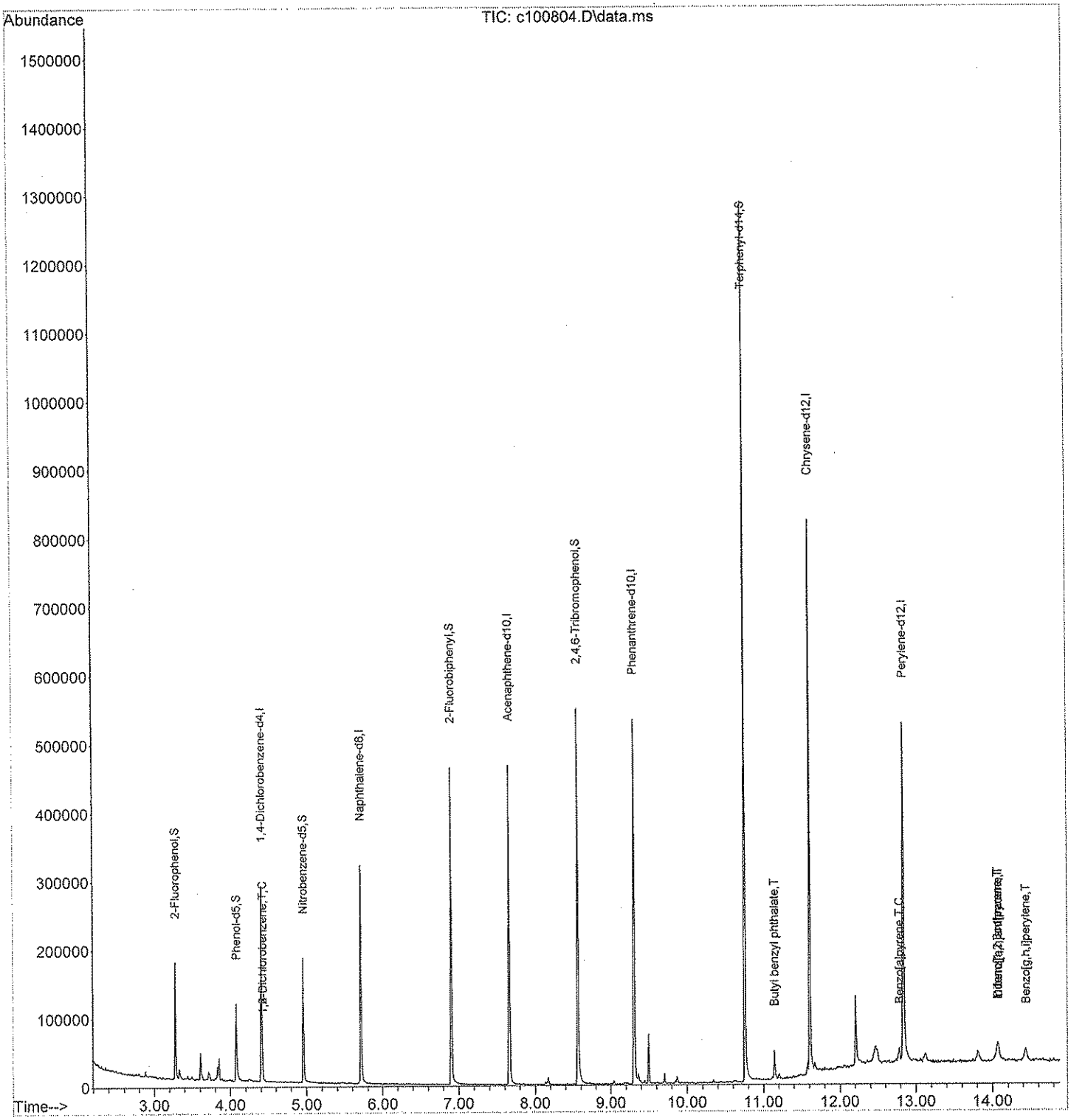
10/8/07

10/10/07

Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100804.D
Acq On : 8 Oct 2007 6:50 pm
Sample : ,mblk,bk-1-100607,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 67 Sample Multiplier: 1

Quant Time: Oct 08 19:30:36 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M



LABORATORY CONTROL SAMPLE RAW DATA

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100805.D
Acq On : 8 Oct 2007 7:15 pm
Sample : ,lcs,lcs-1-100607,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 68 Sample Multiplier: 1

Quant Time: Oct 08 19:32:12 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.406	152	70855	40.00	ug/ml	-0.04
19) Naphthalene-d8	5.715	136	273068	40.00	ug/ml	-0.04
36) Acenaphthene-d10	7.660	164	182027	40.00	ug/ml	-0.04
56) Phenanthrene-d10	9.310	188	340331	40.00	ug/ml	-0.04
69) Chrysene-d12	11.608	240	474161	40.00	ug/ml	-0.03
78) Perylene-d12	12.842	264	400484	40.00	ug/ml	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	3.279	112	90642	44.69	ug/ml	-0.02
Spiked Amount 150.000			Recovery =	29.79%		
5) Phenol-d5	4.080	99	80737	32.86	ug/ml	-0.01
Spiked Amount 150.000			Recovery =	21.91%		
20) Nitrobenzene-d5	4.957	82	113240	52.33	ug/ml	-0.04
Spiked Amount 100.000			Recovery =	52.33%		
40) 2-Fluorobiphenyl	6.906	172	334597	54.57	ug/ml	-0.04
Spiked Amount 100.000			Recovery =	54.57%		
60) 2,4,6-Tribromophenol	8.562	330	189167	94.28	ug/ml	-0.03
Spiked Amount 150.000			Recovery =	62.85%		
72) Terphenyl-d14	10.758	244	744243	69.84	ug/ml	-0.03
Spiked Amount 100.000			Recovery =	69.84%		
Target Compounds						Qvalue
2) Pyridine	2.344	79	32054	16.21	ug/ml	98
3) n-Nitrosodimethylamine	2.301	74	20657	18.64	ug/ml	89
6) Phenol	4.096	94	39505	15.58	ug/ml#	1
7) Aniline	4.096	93	124790	47.10	ug/ml	91
8) bis(2-Chloroethyl)ether	4.139	93	45553m2	24.93	ug/ml	
9) 2-Chlorophenol	4.219	128	60558	24.81	ug/ml	96
10) 1,3-Dichlorobenzene	4.353	146	63681	22.62	ug/ml	98
11) 1,4-Dichlorobenzene	4.422	146	71319	24.37	ug/ml	100
12) 1,2-Dichlorobenzene	4.572	146	66861	24.50	ug/ml	99
13) Benzyl alcohol	4.540	108	108349	77.31	ug/ml	96
14) bis(2-chloroisopropyl)eth	4.663	45	54748	24.68	ug/ml#	1
15) 2-Methylphenol	4.663	108	50272m2	25.00	ug/ml	
16) Hexachloroethane	4.908	117	25856	22.72	ug/ml	95
17) N-Nitrosodi-n-propylamine	4.791	70	41160	31.14	ug/ml	91
18) 3/4-Methylphenol	4.818	108	49070	22.66	ug/ml	96
21) Nitrobenzene	4.978	77	59326m1	27.36	ug/ml	
22) Acetophenone	4.802	105	260118	81.40	ug/ml	83
23) Isophorone	5.224	82	118492	31.12	ug/ml	95
24) 2-Nitrophenol	5.309	139	38313	26.42	ug/ml	94
25) 2,4-Dimethylphenol	5.363	107	65723	29.62	ug/ml	97
26) bis(2-Chloroethoxy)methan	5.448	93	69280	26.73	ug/ml	98
27) 2,4-Dichlorophenol	5.582	162	67266m1	28.14	ug/ml	
28) Benzoic acid	5.469	122	43138	31.16	ug/ml	92
29) 1,2,4-Trichlorobenzene	5.651	180	68688	25.69	ug/ml	100
30) Naphthalene	5.736	128	186495	25.24	ug/ml	99
31) 2,6-Dichlorophenol	5.811	162	165127	67.32	ug/ml	96
32) 4-Chloroaniline	5.806	127	98682	34.41	ug/ml	96
33) Hexachlorobutadiene	5.859	225	44361	26.01	ug/ml	99

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100805.D
Acq On : 8 Oct 2007 7:15 pm
Sample : ,lcs,lcs-1-100607,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 68 Sample Multiplier: 1

Quant Time: Oct 08 19:32:12 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

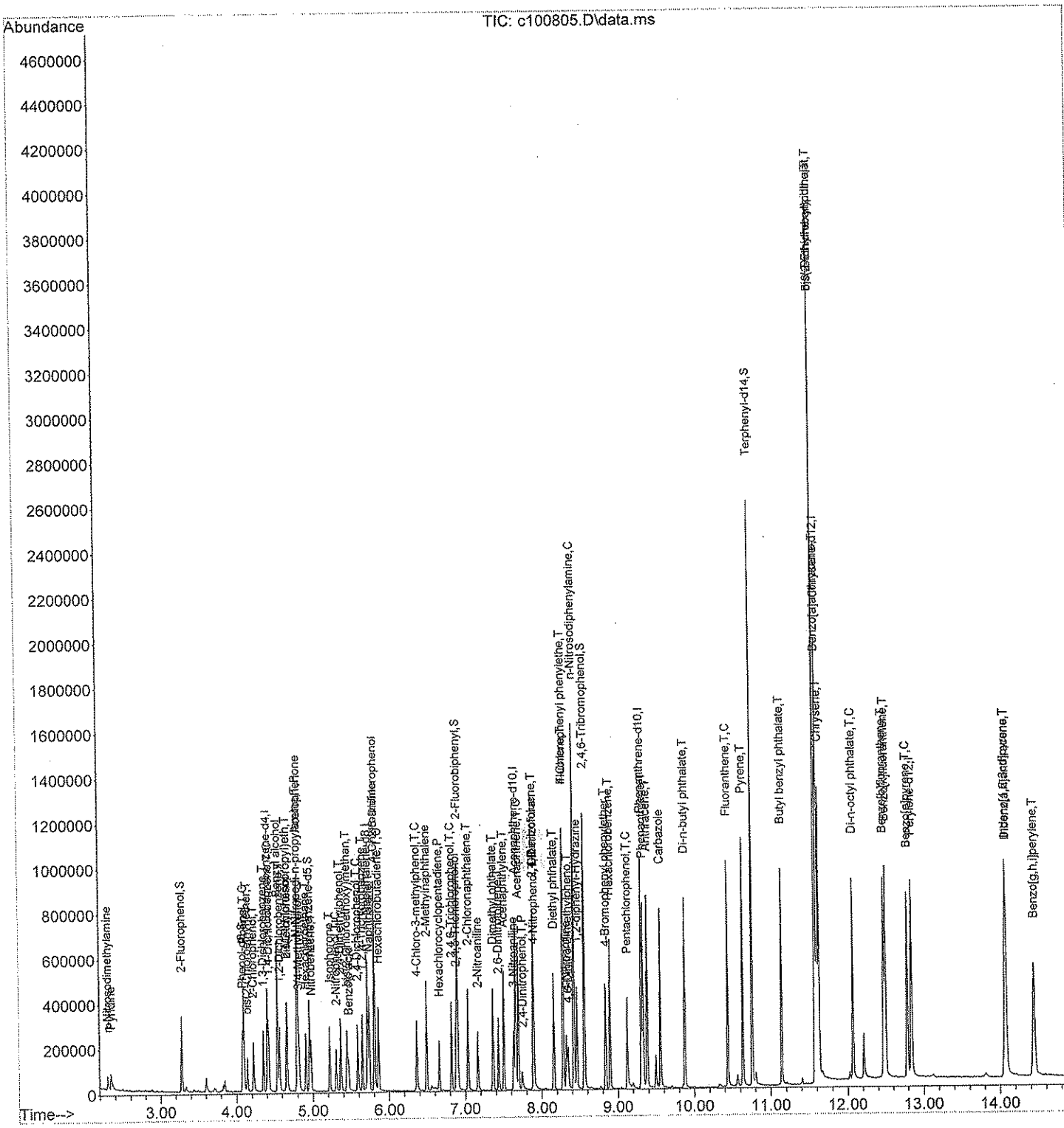
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
34) 4-Chloro-3-methylphenol	6.367	107	59522	30.99 ug/ml	96
35) 2-Methylnaphthalene	6.495	142	137632	27.58 ug/ml	98
37) Hexachlorocyclopentadiene	6.661	237	34440	20.88 ug/ml	100
38) 2,4,5-Trichlorophenol	6.885	196	64704	30.06 ug/ml	99
39) 2,4,6-Trichlorophenol	6.821	196	58685	29.27 ug/ml	99
41) 2-Chloronaphthalene	7.040	162	150758	23.60 ug/ml	98
42) 2-Nitroaniline	7.168	65	38773	31.60 ug/ml	97
43) Acenaphthylene	7.505	152	253647	30.15 ug/ml	99
44) Dimethyl phthalate	7.366	163	196635	31.47 ug/ml	99
45) 2,6-Dinitrotoluene	7.435	165	45388	31.60 ug/ml	97
46) 3-Nitroaniline	7.633	138	48584	31.95 ug/ml	98
47) Acenaphthene	7.697	153	160077	29.31 ug/ml	98
48) 2,4-Dinitrophenol	7.750	184	15654	21.17 ug/ml	97
49) Dibenzofuran	7.895	168	248445	30.78 ug/ml	97
50) 4-Nitrophenol	7.900	109	10838	12.30 ug/ml#	1
51) 2,4-Dinitrotoluene	7.889	165	63586	32.94 ug/ml	91
52) Fluorene	8.285	166	204823	31.21 ug/ml	100
53) 4-Chlorophenyl phenylethe	8.285	204	100092	31.04 ug/ml	95
54) Diethyl phthalate	8.162	149	213681	34.38 ug/ml	98
55) 4-Nitroaniline	8.327	138	45632	32.14 ug/ml	93
57) 4,6-Dinitro-2-methylpheno	8.349	198	31154	24.36 ug/ml	97
58) n-Nitrosodiphenylamine	8.424	169	437680	48.58 ug/ml	99
59) 1,2-diphenyl-Hydrazine	8.466	77	176503	30.91 ug/ml	98
61) 4-Bromophenyl phenylether	8.840	248	70938	26.82 ug/ml	97
62) Hexachlorobenzene	8.894	284	100252	29.65 ug/ml	94
63) Pentachlorophenol	9.123	266	39349	21.04 ug/ml	98
64) Phenanthrene	9.332	178	310317	28.65 ug/ml	99
65) Anthracene	9.385	178	316778	29.14 ug/ml	99
66) Carbazole	9.556	167	311548	27.65 ug/ml	99
67) Di-n-butyl phthalate	9.877	149	431073	32.76 ug/ml	99
68) Fluoranthene	10.438	202	423096	33.91 ug/ml	97
71) Pyrene	10.635	202	435596	31.83 ug/ml	89
73) Butyl benzyl phthalate	11.143	149	220489	33.54 ug/ml	90
74) Benzo[a]anthracene	11.602	228	394873	29.82 ug/ml	99
75) 3,3'-Dichlorobenzidine	11.575	252	597431	92.96 ug/ml	99
76) Chrysene	11.629	228	390131	31.91 ug/ml	100
77) bis(2-Ethylhexyl)phthalat	11.575	149	350053	39.45 ug/ml	99
79) Di-n-octyl phthalate	12.067	149	496969	33.29 ug/ml	100
80) Benzo[b]fluoranthene	12.473	252	445310	29.59 ug/ml	98
81) Benzo[k]fluoranthene	12.500	252	379792	30.67 ug/ml	99
82) Benzo[a]pyrene	12.788	252	405194	31.67 ug/ml	99
83) Indeno[1,2,3cd]pyrene	14.070	276	492970	33.09 ug/ml	97
84) Dibenz[a,h]anthracene	14.081	278	418034	45.76 ug/ml	98
85) Benzo[g,h,i]perylene	14.439	276	419501	32.60 ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100805.D
Acq On : 8 Oct 2007 7:15 pm
Sample : ,lcs,lcs-1-100607,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 68 Sample Multiplier: 1

Quant Time: Oct 08 19:32:12 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M



MATRIX SPIKE/MATRIX SPIKE DUPLICATE RAW DATA

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100812.D
Acq On : 8 Oct 2007 10:07 pm
Sample : ,ms,me0810178-05bms,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 75 Sample Multiplier: 1

Quant Time: Oct 09 15:16:22 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.407	152	102632	40.00	ug/ml	-0.04
19) Naphthalene-d8	5.716	136	385900	40.00	ug/ml	-0.04
36) Acenaphthene-d10	7.661	164	272781	40.00	ug/ml	-0.04
56) Phenanthrene-d10	9.311	188	516988	40.00	ug/ml	-0.03
69) Chrysene-d12	11.608	240	741324	40.00	ug/ml	-0.03
78) Perylene-d12	12.837	264	631430	40.00	ug/ml	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	3.280	112	205956	70.11	ug/ml	-0.02
Spiked Amount 150.000			Recovery = 46.74%			
5) Phenol-d5	4.076	99	205810	57.83	ug/ml	-0.02
Spiked Amount 150.000			Recovery = 38.55%			
20) Nitrobenzene-d5	4.957	82	177209	57.95	ug/ml	-0.04
Spiked Amount 100.000			Recovery = 57.95%			
40) 2-Fluorobiphenyl	6.907	172	534612	58.18	ug/ml	-0.03
Spiked Amount 100.000			Recovery = 58.18%			
60) 2,4,6-Tribromophenol	8.563	330	310274	101.80	ug/ml	-0.03
Spiked Amount 150.000			Recovery = 67.87%			
72) Terphenyl-d14	10.759	244	1251022	75.09	ug/ml	-0.03
Spiked Amount 100.000			Recovery = 75.09%			
Target Compounds						Qvalue
2) Pyridine	2.345	79	74236	25.93	ug/ml	99
3) n-Nitrosodimethylamine	2.302	74	45415	28.30	ug/ml	89
6) Phenol	4.092	94	88786	24.18	ug/ml#	40
7) Aniline	4.097	93	201381	52.47	ug/ml	91
8) bis(2-Chloroethyl)ether	4.140	93	75908m	28.68	ug/ml	
9) 2-Chlorophenol	4.220	128	99027	28.01	ug/ml	96
10) 1,3-Dichlorobenzene	4.354	146	104453	25.61	ug/ml	100
11) 1,4-Dichlorobenzene	4.423	146	109109	25.74	ug/ml	99
12) 1,2-Dichlorobenzene	4.573	146	106012	26.81	ug/ml	99
13) Benzyl alcohol	4.546	108	193370	95.25	ug/ml	98
14) bis(2-chloroisopropyl)eth	4.658	45	83279	25.91	ug/ml#	18
15) 2-Methylphenol	4.664	108	88122m	30.25	ug/ml	
16) Hexachloroethane	4.909	117	43222	26.22	ug/ml	98
17) N-Nitrosodi-n-propylamine	4.792	70	63776	33.31	ug/ml	93
18) 3/4-Methylphenol	4.819	108	89640	28.58	ug/ml	97
21) Nitrobenzene	4.979	77	91019m	29.70	ug/ml	
22) Acetophenone	4.803	105	412883	91.42	ug/ml	83
23) Isophorone	5.225	82	175048	32.53	ug/ml	97
24) 2-Nitrophenol	5.310	139	60664	29.60	ug/ml	98
25) 2,4-Dimethylphenol	5.363	107	102080	32.56	ug/ml	97
26) bis(2-Chloroethoxy)methan	5.449	93	104293	28.48	ug/ml	97
27) 2,4-Dichlorophenol	5.582	162	103742m	30.71	ug/ml	
28) Benzoic acid	5.497	122	118391	60.52	ug/ml	91
29) 1,2,4-Trichlorobenzene	5.652	180	106693	28.24	ug/ml	99
30) Naphthalene	5.737	128	288741	27.65	ug/ml	100
31) 2,6-Dichlorophenol	5.812	162	263085	75.90	ug/ml	91
32) 4-Chloroaniline	5.807	127	156641	38.65	ug/ml	98
33) Hexachlorobutadiene	5.860	225	68703	28.50	ug/ml	99

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100812.D
Acq On : 8 Oct 2007 10:07 pm
Sample : ,ms,me0610178-05bms,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 75 Sample Multiplier: 1

Quant Time: Oct 09 15:16:22 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
34) 4-Chloro-3-methylphenol	6.362	107	93406	34.41 ug/ml	96
35) 2-Methylnaphthalene	6.496	142	205324	29.12 ug/ml	99
37) Hexachlorocyclopentadiene	6.662	237	58763	23.77 ug/ml	99
38) 2,4,5-Trichlorophenol	6.886	196	100461	31.14 ug/ml	98
39) 2,4,6-Trichlorophenol	6.822	196	88049	29.30 ug/ml	99
41) 2-Chloronaphthalene	7.041	162	232394	24.28 ug/ml	99
42) 2-Nitroaniline	7.169	65	58490	31.81 ug/ml	96
43) Acenaphthylene	7.506	152	383256	30.40 ug/ml	99
44) Dimethyl phthalate	7.367	163	296254	31.64 ug/ml	99
45) 2,6-Dinitrotoluene	7.436	165	69481	32.28 ug/ml	98
46) 3-Nitroaniline	7.634	138	80107	35.15 ug/ml	99
47) Acenaphthene	7.698	153	243197	29.72 ug/ml	99
48) 2,4-Dinitrophenol	7.751	184	28787	25.98 ug/ml	98
49) Dibenzofuran	7.896	168	389712	32.22 ug/ml	86
50) 4-Nitrophenol	7.896	109	29275	22.17 ug/ml#	1
51) 2,4-Dinitrotoluene	7.890	165	102882	35.56 ug/ml	87
52) Fluorene	8.280	166	327644	33.31 ug/ml	100
53) 4-Chlorophenyl phenylethe	8.286	204	161205	33.36 ug/ml	98
54) Diethyl phthalate	8.163	149	334552	35.92 ug/ml	99
55) 4-Nitroaniline	8.328	138	75096	35.29 ug/ml	90
57) 4,6-Dinitro-2-methylpheno	8.350	198	51681	26.60 ug/ml	98
58) n-Nitrosodiphenylamine	8.425	169	714507	52.21 ug/ml	100
59) 1,2-diphenyl-Hydrazine	8.462	77	267875	30.88 ug/ml	99
61) 4-Bromophenyl phenylether	8.841	248	111855	27.84 ug/ml	97
62) Hexachlorobenzene	8.895	284	158943	30.94 ug/ml	97
63) Pentachlorophenol	9.124	266	77700	27.35 ug/ml	97
64) Phenanthrene	9.333	178	504699	30.67 ug/ml	99
65) Anthracene	9.386	178	524829	31.78 ug/ml	99
66) Carbazole	9.557	167	500701	29.25 ug/ml	100
67) Di-n-butyl phthalate	9.878	149	696507	34.84 ug/ml	99
68) Fluoranthene	10.438	202	671499	35.43 ug/ml	98
71) Pyrene	10.636	202	699177	32.68 ug/ml	90
73) Butyl benzyl phthalate	11.144	149	350470	34.10 ug/ml	96
74) Benzo[a]anthracene	11.598	228	693904	33.51 ug/ml	99
75) 3,3'-Dichlorobenzidine	11.576	252	970249	96.57 ug/ml	99
76) Chrysene	11.630	228	630580	32.99 ug/ml	99
77) bis(2-Ethylhexyl)phthalat	11.576	149	573065	41.30 ug/ml	99
79) Di-n-octyl phthalate	12.063	149	805038	34.20 ug/ml	100
80) Benzo[b]fluoranthene	12.474	252	718904	30.30 ug/ml	99
81) Benzo[k]fluoranthene	12.495	252	630511	32.29 ug/ml	98
82) Benzo[a]pyrene	12.784	252	648218	32.13 ug/ml	100
83) Indeno[1,2,3cd]pyrene	14.071	276	796105	33.89 ug/ml	96
84) Dibenz[a,h]anthracene	14.076	278	677512	47.03 ug/ml	97
85) Benzo[g,h,i]perylene	14.440	276	663116	32.68 ug/ml	98

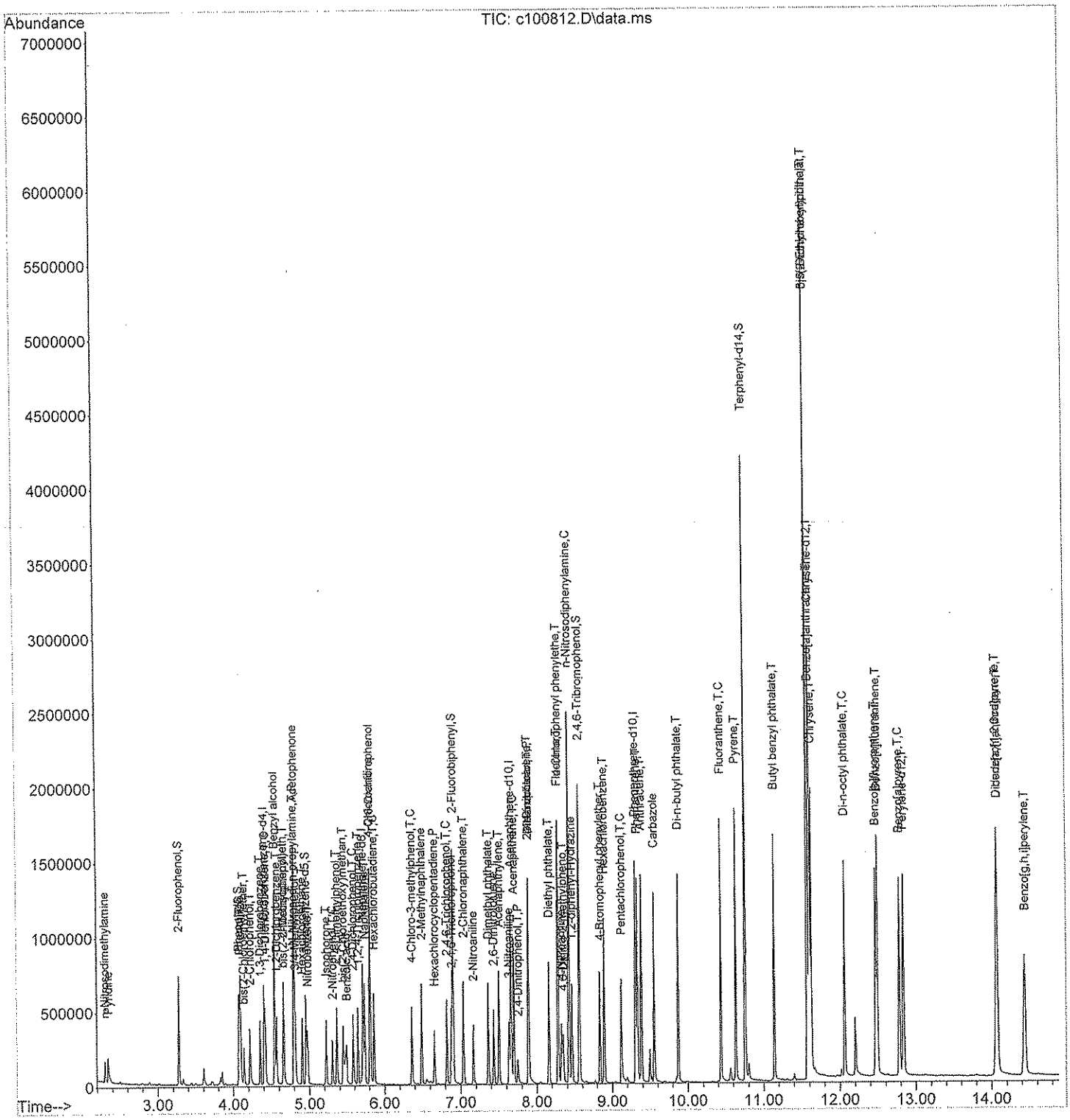
(#) = qualifier out of range (m) = manual integration (+) = signals summed

10-9-07

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100812.D
Acq On : 8 Oct 2007 10:07 pm
Sample : ,ms,me0610178-05bms,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 75 Sample Multiplier: 1

Quant Time: Oct 09 15:16:22 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M



Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100813.D
Acq On : 8 Oct 2007 10:32 pm
Sample : ,msd,me0610178-05bmsd,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 76 Sample Multiplier: 1

Quant Time: Oct 09 15:18:46 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.405	152	59413	40.00	ug/ml	-0.04
19) Naphthalene-d8	5.714	136	220964	40.00	ug/ml	-0.04
36) Acenaphthene-d10	7.659	164	146904	40.00	ug/ml	-0.04
56) Phenanthrene-d10	9.310	188	260682	40.00	ug/ml	-0.04
69) Chrysene-d12	11.607	240	340930	40.00	ug/ml	-0.03
78) Perylene-d12	12.841	264	309052	40.00	ug/ml	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	3.278	112	121551	71.48	ug/ml	-0.03
Spiked Amount 150.000			Recovery =	47.65%		
5) Phenol-d5	4.080	99	122785	59.59	ug/ml	-0.01
Spiked Amount 150.000			Recovery =	39.73%		
20) Nitrobenzene-d5	4.956	82	109834	62.73	ug/ml	-0.04
Spiked Amount 100.000			Recovery =	62.73%		
40) 2-Fluorobiphenyl	6.906	172	314592	63.58	ug/ml	-0.04
Spiked Amount 100.000			Recovery =	63.58%		
60) 2,4,6-Tribromophenol	8.562	330	158689	103.26	ug/ml	-0.04
Spiked Amount 150.000			Recovery =	68.84%		
72) Terphenyl-d14	10.757	244	605664	79.05	ug/ml	-0.03
Spiked Amount 100.000			Recovery =	79.05%		
Target Compounds						Qvalue
2) Pyridine	2.343	79	47301	28.53	ug/ml	98
3) n-Nitrosodimethylamine	2.301	74	27718	29.84	ug/ml	88
6) Phenol	4.090	94	53927	25.37	ug/ml#	43
7) Aniline	4.096	93	122727	55.24	ug/ml	84
8) bis(2-Chloroethyl)ether	4.144	93	50188m2	32.76	ug/ml	
9) 2-Chlorophenol	4.218	128	60764	29.69	ug/ml	94
10) 1,3-Dichlorobenzene	4.352	146	65158	27.60	ug/ml	100
11) 1,4-Dichlorobenzene	4.421	146	69086	28.15	ug/ml	98
12) 1,2-Dichlorobenzene	4.571	146	66487	29.05	ug/ml	98
13) Benzyl alcohol	4.544	108	117344	99.85	ug/ml	97
14) bis(2-chloroisopropyl)eth	4.662	45	55101	29.62	ug/ml#	1
15) 2-Methylphenol	4.662	108	54501m2	32.32	ug/ml	
16) Hexachloroethane	4.908	117	26876	28.17	ug/ml	89
17) N-Nitrosodi-n-propylamine	4.790	70	40433	36.48	ug/ml	88
18) 3/4-Methylphenol	4.817	108	53957	29.72	ug/ml	96
21) Nitrobenzene	4.977	77	55227m2	31.47	ug/ml	
22) Acetophenone	4.801	105	248588	96.13	ug/ml	83
23) Isophorone	5.223	82	111503	36.19	ug/ml	99
24) 2-Nitrophenol	5.308	139	37062	31.58	ug/ml	98
25) 2,4-Dimethylphenol	5.362	107	62295	34.70	ug/ml	99
26) bis(2-Chloroethoxy)methan	5.447	93	67993	32.42	ug/ml	99
27) 2,4-Dichlorophenol	5.581	162	63696m1	32.93	ug/ml	
28) Benzoic acid	5.479	122	63644	56.81	ug/ml	91
29) 1,2,4-Trichlorobenzene	5.650	180	65640	30.34	ug/ml	98
30) Naphthalene	5.736	128	175013	29.27	ug/ml	99
31) 2,6-Dichlorophenol	5.810	162	153025	77.10	ug/ml	96
32) 4-Chloroaniline	5.805	127	93305	40.21	ug/ml	98
33) Hexachlorobutadiene	5.864	225	43107	31.23	ug/ml	97

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100813.D
Acq On : 8 Oct 2007 10:32 pm
Sample : ,msd,me0610178-05bmsd,1, Inst : SVOA3
Misc : 8270_w 7
Operator : mills
ALS Vial : 76 Sample Multiplier: 1

Quant Time: Oct 09 15:18:46 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
34) 4-Chloro-3-methylphenol	6.366	107	56647	36.44 ug/ml	99
35) 2-Methylnaphthalene	6.494	142	129272	32.02 ug/ml	98
37) Hexachlorocyclopentadiene	6.660	237	31693	23.81 ug/ml	96
38) 2,4,5-Trichlorophenol	6.884	196	55085	31.71 ug/ml	97
39) 2,4,6-Trichlorophenol	6.820	196	53021	32.77 ug/ml	99
41) 2-Chloronaphthalene	7.039	162	135659	26.32 ug/ml	99
42) 2-Nitroaniline	7.167	65	34703	35.05 ug/ml	97
43) Acenaphthylene	7.504	152	228299	33.63 ug/ml	99
44) Dimethyl phthalate	7.365	163	171435	34.00 ug/ml	99
45) 2,6-Dinitrotoluene	7.434	165	39844	34.37 ug/ml	97
46) 3-Nitroaniline	7.632	138	43663	35.58 ug/ml	100
47) Acenaphthene	7.696	153	143439	32.55 ug/ml	99
48) 2,4-Dinitrophenol	7.750	184	10963	18.37 ug/ml	91
49) Dibenzofuran	7.894	168	218390	33.53 ug/ml	88
50) 4-Nitrophenol	7.899	109	14372	20.21 ug/ml#	1
51) 2,4-Dinitrotoluene	7.889	165	54004	34.66 ug/ml	88
52) Fluorene	8.284	166	178393	33.68 ug/ml	100
53) 4-Chlorophenyl phenylethe	8.284	204	88016	33.82 ug/ml	96
54) Diethyl phthalate	8.161	149	183480	36.58 ug/ml	97
55) 4-Nitroaniline	8.327	138	38099	33.25 ug/ml	92
57) 4,6-Dinitro-2-methylpheno	8.348	198	23566	24.05 ug/ml	96
58) n-Nitrosodiphenylamine	8.423	169	381190	55.24 ug/ml	100
59) 1,2-diphenyl-Hydrazine	8.465	77	156956	35.88 ug/ml	96
61) 4-Bromophenyl phenylether	8.839	248	62522	30.86 ug/ml	96
62) Hexachlorobenzene	8.893	284	85134	32.87 ug/ml	95
63) Pentachlorophenol	9.123	266	34737	24.25 ug/ml	94
64) Phenanthrene	9.331	178	270081	32.55 ug/ml	99
65) Anthracene	9.384	178	277443	33.32 ug/ml	100
66) Carbazole	9.555	167	266401	30.87 ug/ml	99
67) Di-n-butyl phthalate	9.876	149	362062	35.92 ug/ml	99
68) Fluoranthene	10.437	202	339392	35.51 ug/ml	96
71) Pyrene	10.634	202	358119	36.39 ug/ml	91
73) Butyl benzyl phthalate	11.142	149	177705	37.59 ug/ml	94
74) Benzo[a]anthracene	11.596	228	318625	33.46 ug/ml	98
75) 3,3'-Dichlorobenzidine	11.575	252	467289	101.13 ug/ml	100
76) Chrysene	11.628	228	320879	36.50 ug/ml	99
77) bis(2-Ethylhexyl)phthalat	11.575	149	281068	44.05 ug/ml	99
79) Di-n-octyl phthalate	12.066	149	400078	34.73 ug/ml	100
80) Benzo[b]fluoranthene	12.472	252	330739	28.48 ug/ml	99
81) Benzo[k]fluoranthene	12.499	252	330073	34.54 ug/ml	98
82) Benzo[a]pyrene	12.787	252	316385	32.04 ug/ml	99
83) Indeno[1,2,3cd]pyrene	14.064	276	384735	33.46 ug/ml	98
84) Dibenz[a,h]anthracene	14.075	278	321104	45.54 ug/ml	97
85) Benzo[g,h,i]perylene	14.438	276	322864	32.51 ug/ml	97

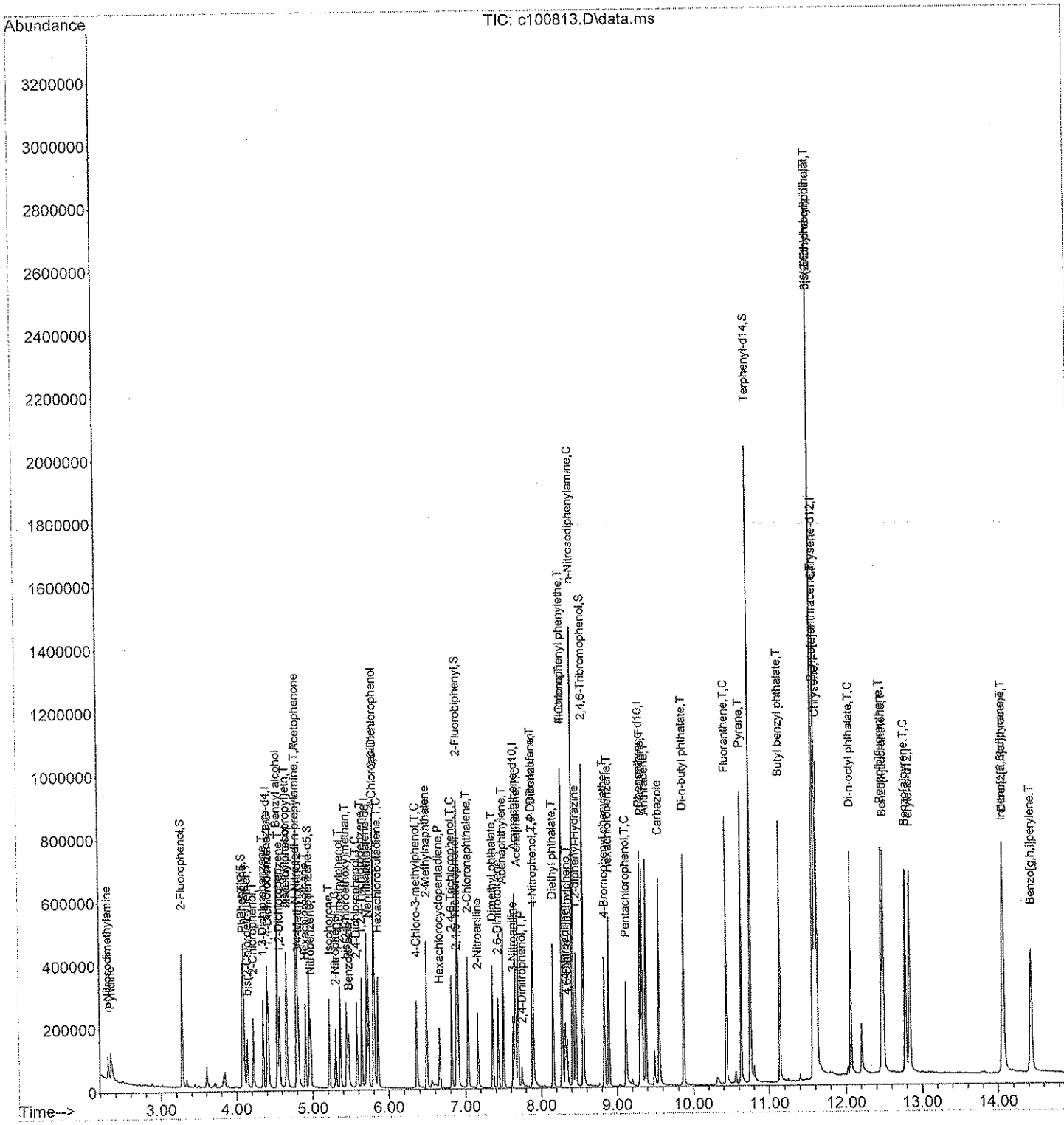
(#) = qualifier out of range (m) = manual integration (+) = signals summed

10-9-07

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100813.D
Acq On : 8 Oct 2007 10:32 pm
Sample : ,msd,me0610178-05bmsd,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 76 Sample Multiplier: 1

Quant Time: Oct 09 15:18:46 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M



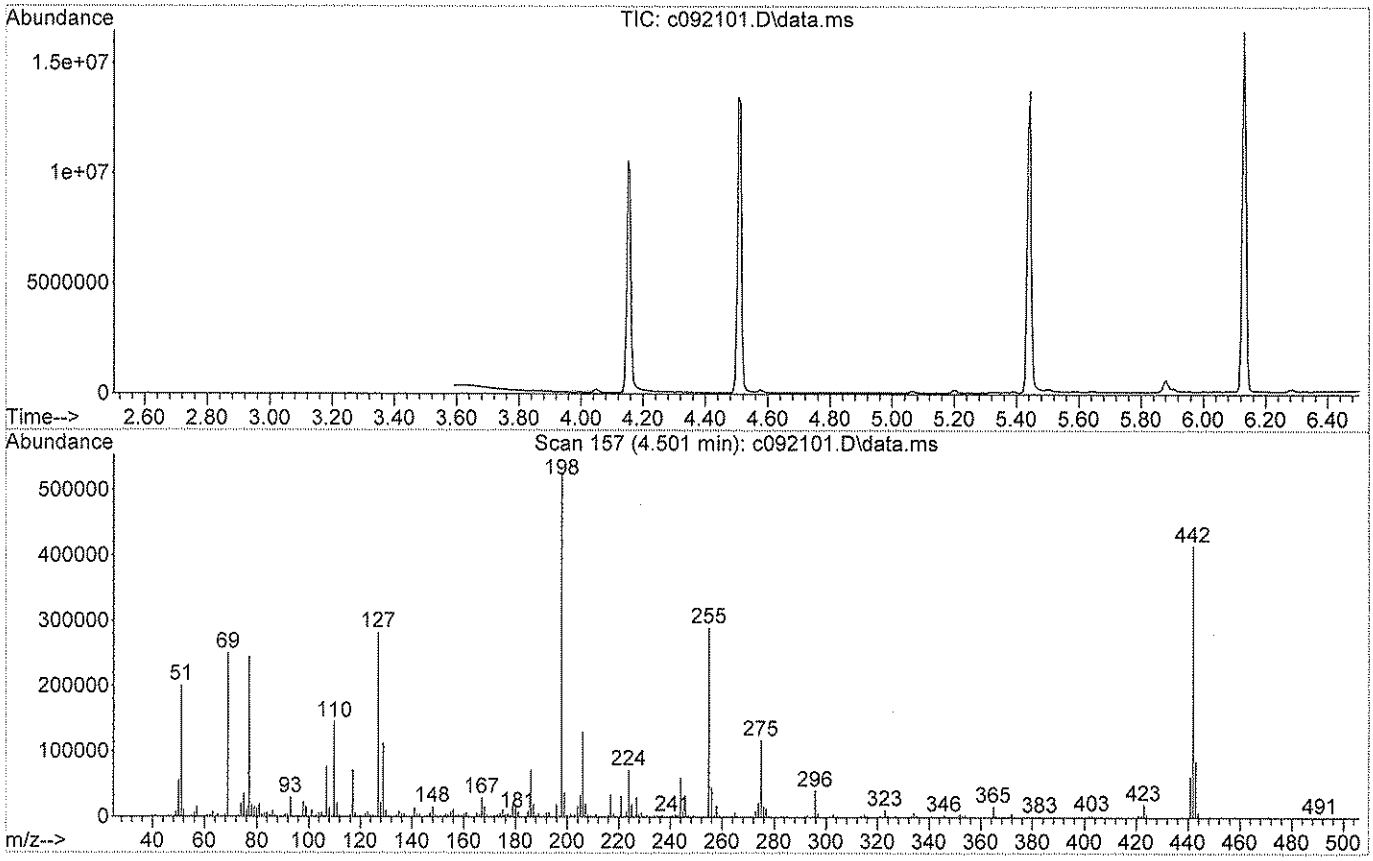
TUNING RAW DATA

6.2

Data File: C:\msdchem\1\DATA\C\c092107\c092101.D
Acq On : 24 Sep 2007 3:29 pm
Sample : ,tune,dftpp tune,1, Inst : SVOA3
Operator : mills
Misc : dftpp
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\DFTPP.M
Title : DFTPP Tune
Last Update : Mon Sep 24 15:37:09 2007

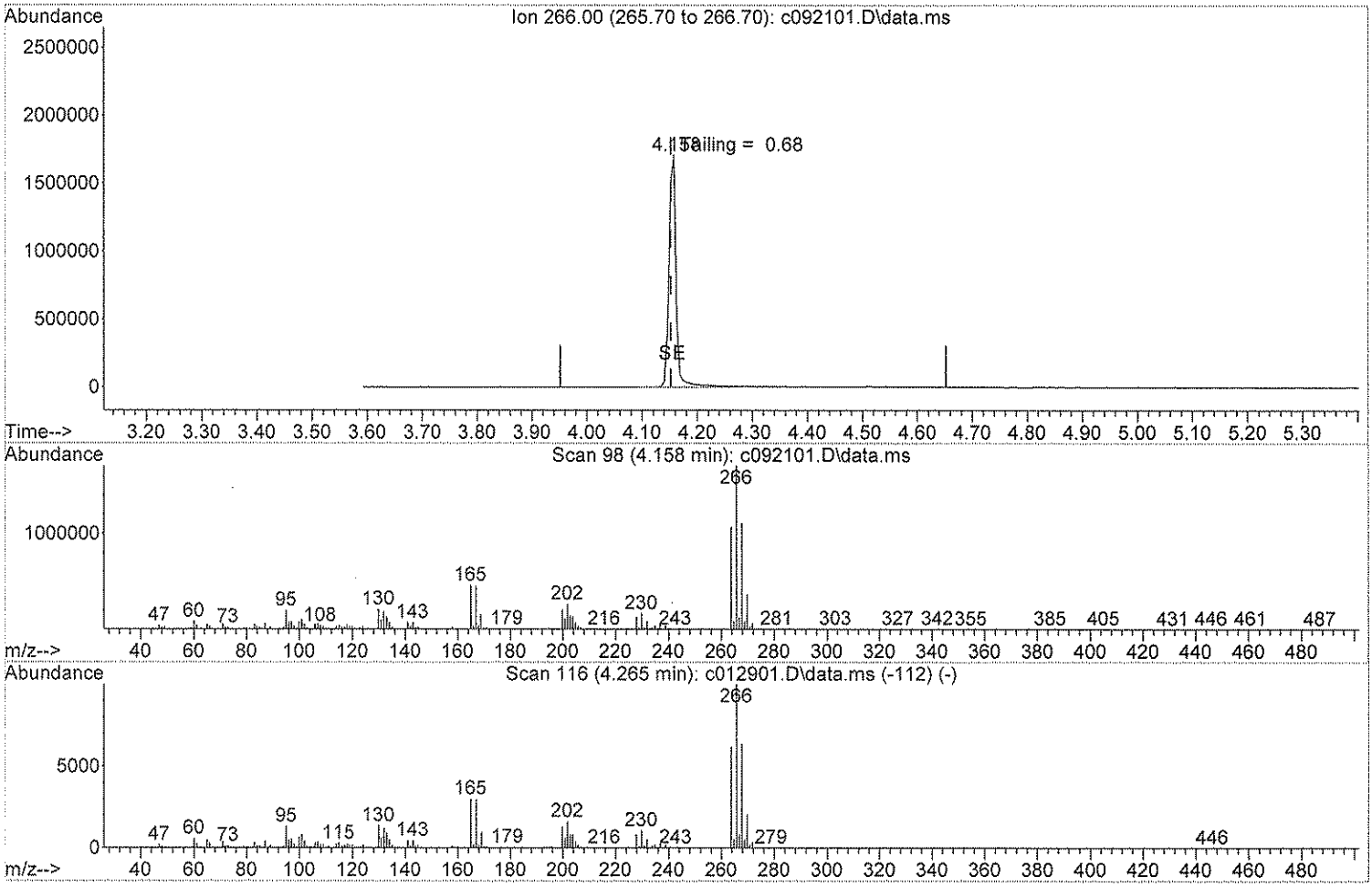


Spectrum Information: Scan 157

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.1	201024	PASS
68	69	0.00	2	1.4	3421	PASS
69	198	0.00	100	47.5	250624	PASS
70	69	0.00	2	0.6	1486	PASS
127	198	40	60	53.6	282560	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	527488	PASS
199	198	5	9	7.1	37208	PASS
275	198	10	32	22.2	117224	PASS
365	198	1	100	3.1	16568	PASS
441	443	0.01	100	71.6	61576	PASS
442	198	40	250	78.8	415552	PASS
443	442	17	23	20.7	86000	PASS

Data File: C:\msdchem\1\DATA\C\c092107\c092101.D
Acq On : 24 Sep 2007 3:29 pm
Sample : ,tune,dftpp tune,1, Inst : SVOA3
Misc : dftpp
Operator : mills
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 15:37:04 2007
Quant Method : C:\msdchem\1\METHODS\DFTPP.M
Quant Title : DFTPP Tune
QLast Update : Thu Sep 20 17:39:03 2007
Response via : Continuing Cal File: C:\msdchem\1\DATA\C\c092007\c092001.D
DataAcq Meth:DFTPP.M



TIC: c092101.D\data.ms

(1) Pentachlorophenol

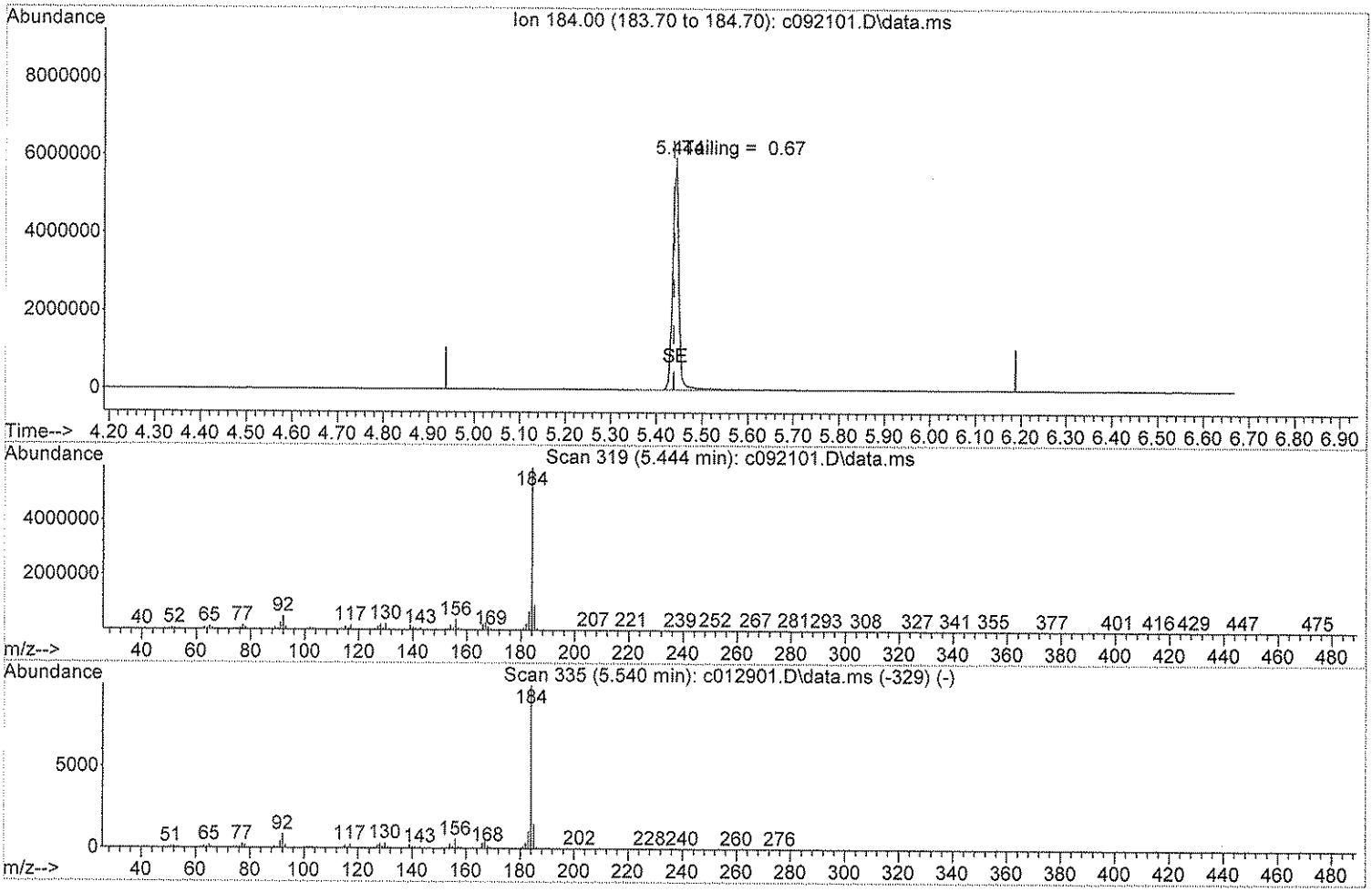
4.158min (+0.005) 136.02 ug

response 1569209

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File: C:\msdchem\1\DATA\C\c092107\c092101.D
Acq On : 24 Sep 2007 3:29 pm
Sample : ,tune,dftpp tune,1, Inst : SVOA3
Misc : dftpp
Operator : mills
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 24 15:37:04 2007
Quant Method : C:\msdchem\1\METHODS\DFTPP.M
Quant Title : DFTPP Tune
QLast Update : Thu Sep 20 17:39:03 2007
Response via : Continuing Cal File: C:\msdchem\1\DATA\C\c092007\c092001.D
DataAcq Meth:DFTPP.M



TIC: c092101.D\data.ms

(3) Benzidine

5.444min (+0.005) 147.16 ug

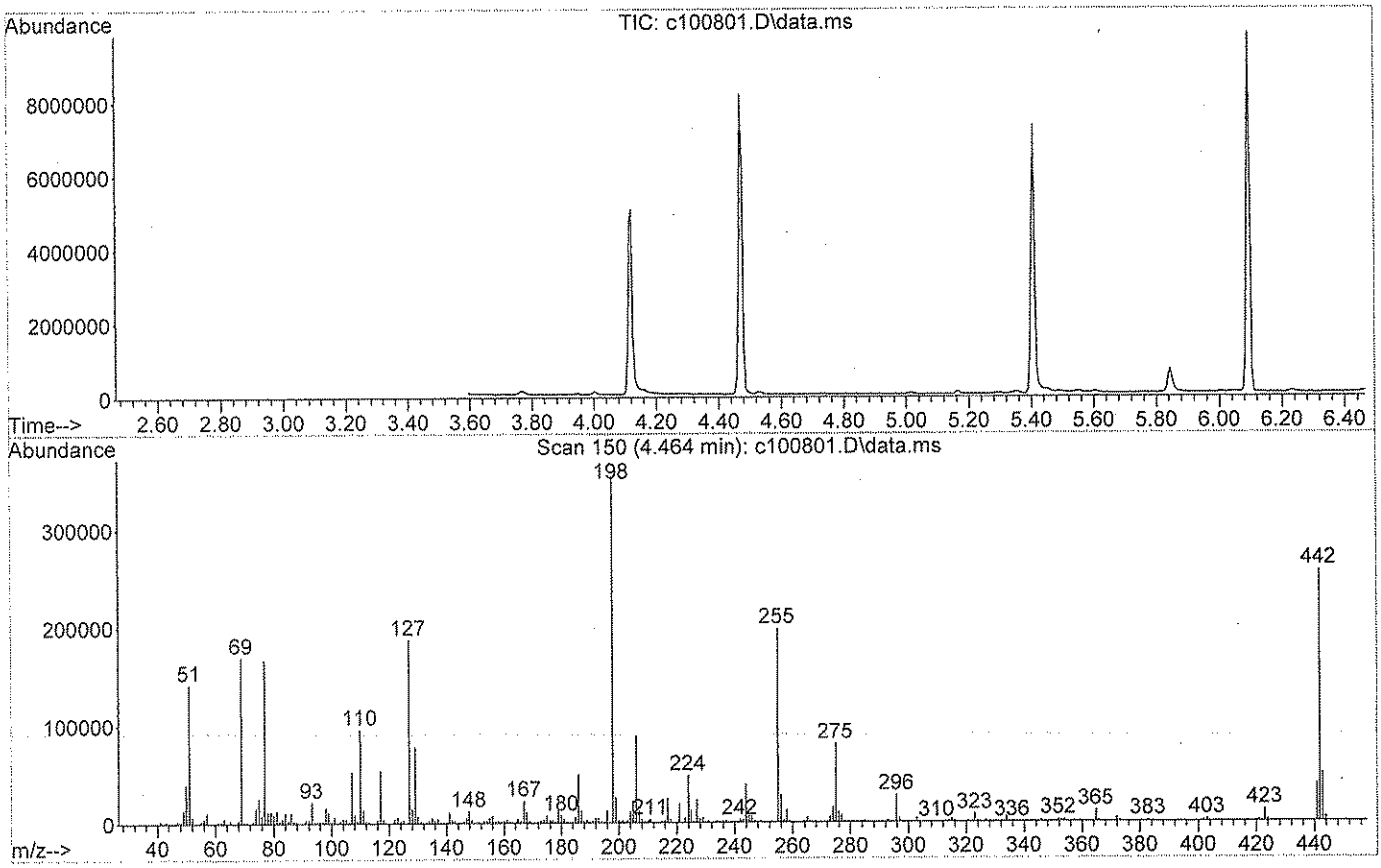
response 5535389

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File: C:\msdchem\1\DATA\C\c100807\c100801.D
Acq On : 8 Oct 2007 5:36 pm
Sample : ,tune,dftpp tune,1, Inst : SVOA3
Operator : mills
Misc : dftpp
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\DFTPP.M
Title : DFTPP Tune
Last Update : Fri Oct 05 17:50:38 2007

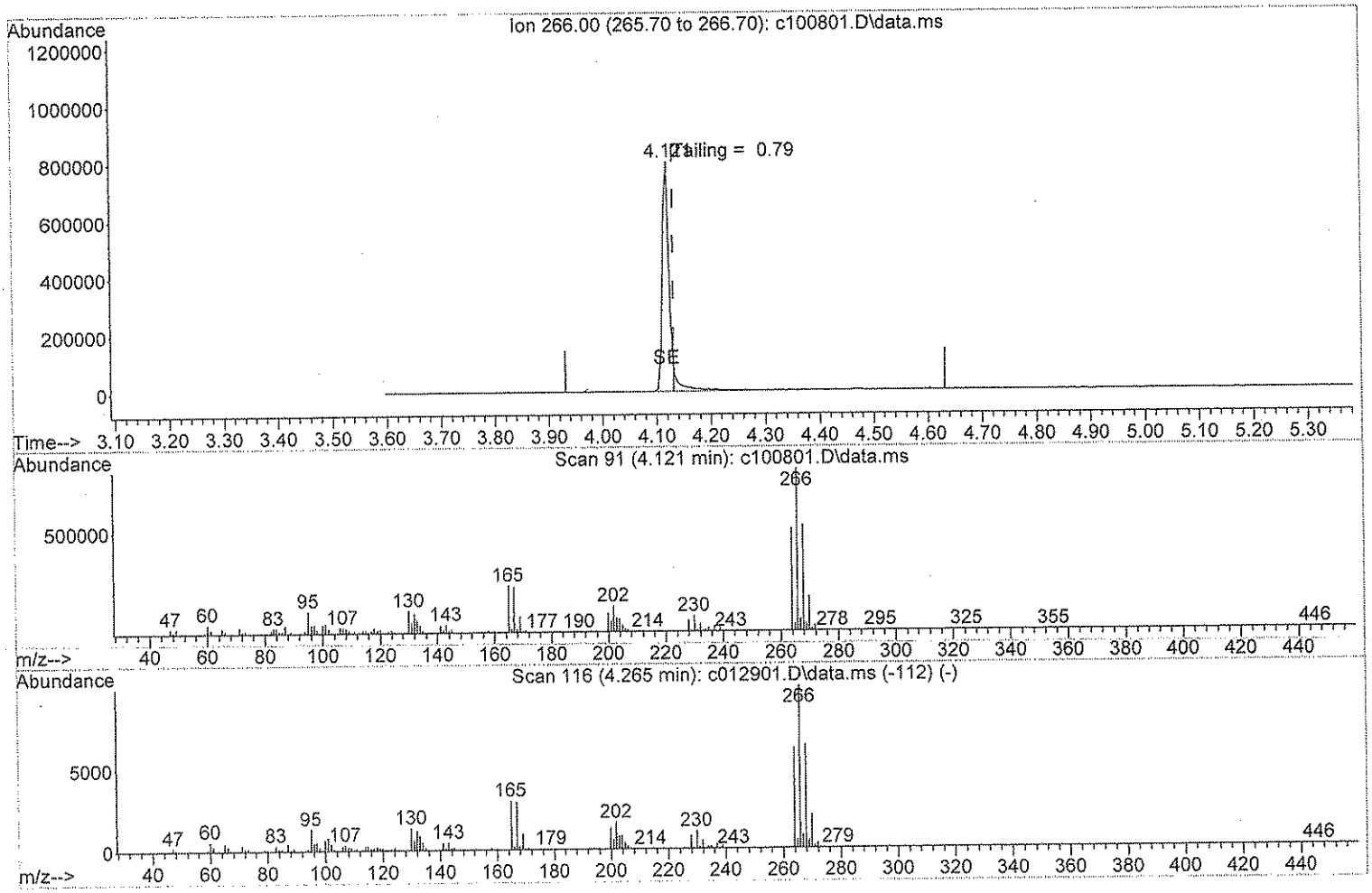


Spectrum Information: Scan 150

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.1	142016	PASS
68	69	0.00	2	1.7	2853	PASS
69	198	0.00	100	47.9	169536	PASS
70	69	0.00	2	0.8	1328	PASS
127	198	40	60	52.9	187328	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	354048	PASS
199	198	5	9	7.3	25776	PASS
275	198	10	32	22.7	80264	PASS
365	198	1	100	3.2	11378	PASS
441	443	0.01	100	78.6	38904	PASS
442	198	40	250	72.5	256640	PASS
443	442	17	23	19.3	49504	PASS

Data File: C:\msdchem\1\DATA\C\c100807\c100801.D
Acq On : 8 Oct 2007 5:36 pm
Sample : ,tune,dftpp tune,1, Inst : SVOA3
Misc : dftpp
Operator : mills
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 08 17:51:17 2007
Quant Method : C:\msdchem\1\METHODS\DFTPP.M
Quant Title : DFTPP Tune
QLast Update : Fri Oct 05 17:50:38 2007
Response via : Continuing Cal File: C:\msdchem\1\DATA\C\c100507\c100501.D
DataAcq Meth:DFTPP.M



TIC: c100801.D\data.ms

(1) Pentachlorophenol

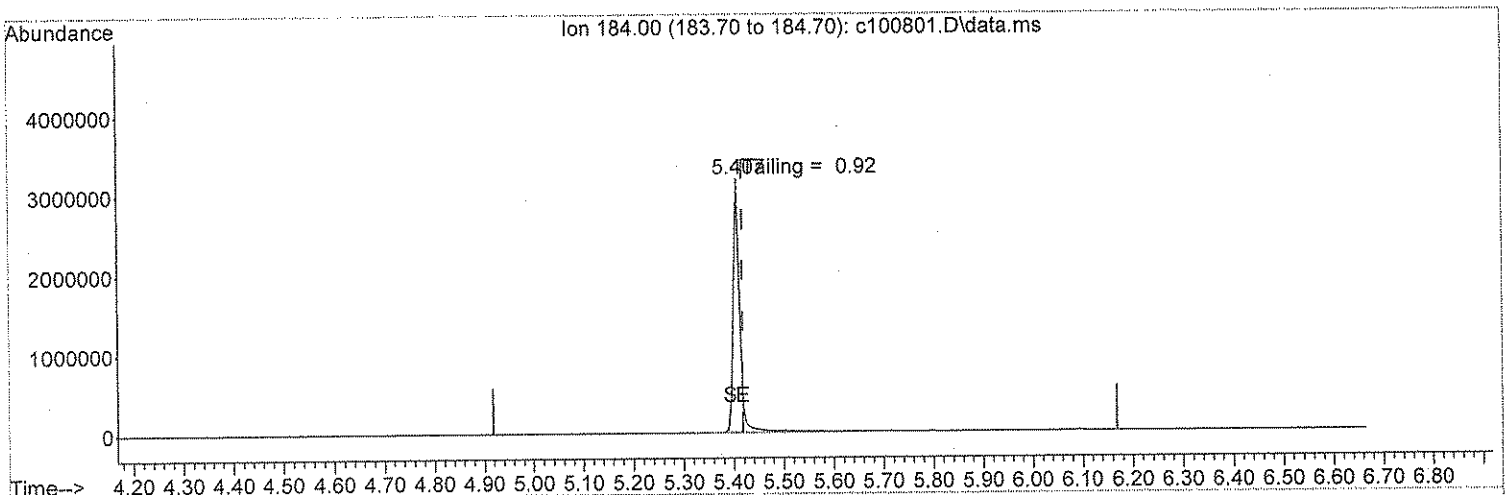
4.121min (-0.011) 71.98 ug

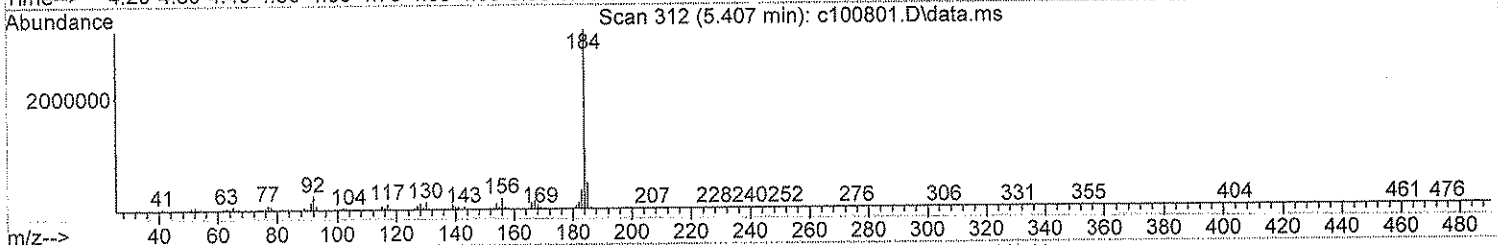
response 736350

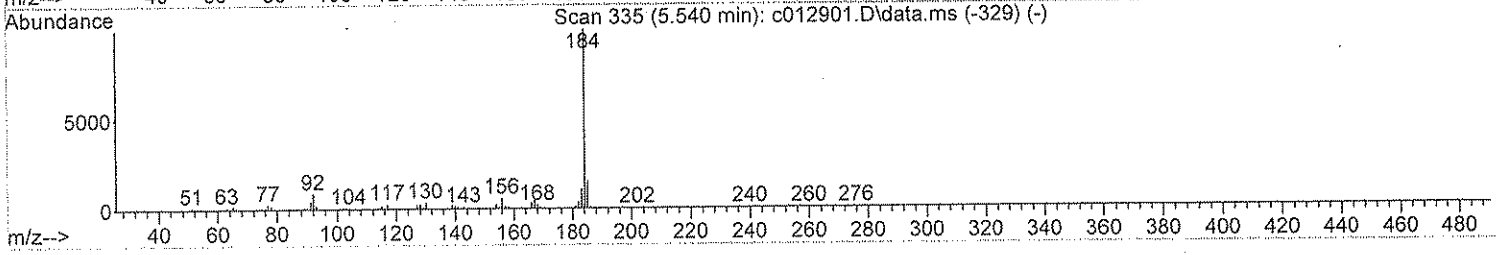
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File: C:\msdchem\1\DATA\C\c100807\c100801.D
Acq On : 8 Oct 2007 5:36 pm
Sample : ,tune,dftpp tune,1, Inst : SVOA3
Misc : dftpp
Operator : mills
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 08 17:51:17 2007
Quant Method : C:\msdchem\1\METHODS\DFTPP.M
Quant Title : DFTPP Tune
QLast Update : Fri Oct 05 17:50:38 2007
Response via : Continuing Cal File: C:\msdchem\1\DATA\C\c100507\c100501.D
DataAcq Meth:DFTPP.M







TIC: c100801.D\data.ms

(3) Benzidine

5.407min (-0.011) 77.56 ug

response 2881418

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

INITIAL CALIBRATION RAW DATA

Response Factor Report SVOA3

Method Path : C:\msdchem\1\METHODS\
Method File : SVOA0924.M
Title : BNA Quantitation
Last Update : Mon Sep 24 18:32:18 2007
Response Via : Initial Calibration

Avg = 6.2%

Calibration Files
10 =c092102.D 20 =c092103.D 50 =c092104.D 80 =c092105.D 120 =c092107.D 160 =c092108.D 100 =c092106.D

		Compound	10	20	50	80	120	160	100	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	ISTD								
2)		Pyridine	1.086	1.101	1.166	1.034	1.160	1.153	1.111	1.116	4.27
3)		n-Nitrosodimet...	0.570	0.601	0.638	0.613	0.658	0.659	0.639	0.625	5.24
4)	S	2-Fluorophenol	1.087	1.100	1.142	1.086	1.200	1.231	1.169	1.145	5.04
5)	S	Phenol-d5	1.293	1.318	1.390	1.332	1.415	1.539	1.423	1.387	6.03
6)	T,C	Phenol	1.308	1.330	1.446	1.410	1.454	1.615	1.456	1.431	7.05#
7)		Aniline	1.507	1.512	1.604	1.473	1.443	1.414	1.519	1.496	4.11
8)	T	bis(2-Chloroet...	0.968	0.993	1.050	0.998	1.055	1.118	1.039	1.031	4.86
9)	T	2-Chlorophenol	1.271	1.307	1.396	1.342	1.409	1.494	1.426	1.378	5.51
0)	T	1,3-Dichlorobe...	1.501	1.517	1.640	1.539	1.619	1.677	1.635	1.590	4.36
1)	T,C	1,4-Dichlorobe...	1.577	1.611	1.693	1.589	1.701	1.743	1.651	1.652	3.80#
2)	T	1,2-Dichlorobe...	1.468	1.491	1.590	1.503	1.541	1.622	1.571	1.541	3.66
3)		Benzyl alcohol	0.728	0.715	0.799	0.767	0.801	0.886	0.843	0.791	7.69
4)	T	bis(2-chlorois...	1.250	1.242	1.299	1.216	1.206	1.300	1.254	1.253	2.91
5)		2-Methylphenol	1.016	1.070	1.133	1.115	1.159	1.263	1.190	1.135	7.07
6)	T	Hexachloroethane	0.612	0.622	0.672	0.626	0.656	0.661	0.647	0.642	3.53
7)	T,P	N-Nitrosodi-n-...	0.682	0.730	0.780	0.765	0.692	0.795	0.779	0.746	6.07
8)		3/4-Methylphenol	1.084	1.148	1.244	1.247	1.178	1.354	1.303	1.222	7.59
9)	I	Naphthalene-d8	ISTD								
_0)	S	Nitrobenzene-d5	0.304	0.308	0.323	0.307	0.325	0.329	0.322	0.317	3.16
21)	T	Nitrobenzene	0.308	0.311	0.324	0.307	0.321	0.328	0.324	0.318	2.73
22)		Acetophenone	0.432	0.455	0.484	0.468	0.468	0.482	0.488	0.468	4.21
23)	T	Isophorone	0.521	0.545	0.572	0.548	0.558	0.576	0.585	0.558	3.91
24)	T,C	2-Nitrophenol	0.194	0.204	0.212	0.208	0.226	0.225	0.218	0.212	5.44#
25)	T	2,4-Dimethylph...	0.308	0.314	0.324	0.318	0.334	0.340	0.337	0.325	3.71
26)	T	bis(2-Chloroet...	0.356	0.369	0.385	0.372	0.394	0.397	0.385	0.380	3.87
27)	T,C	2,4-Dichloroph...	0.316	0.330	0.353	0.339	0.372	0.372	0.368	0.350	6.42#
28)		Benzoic acid	0.106	0.179	0.212	0.215	0.228	0.240	0.238	0.203	23.46
29)	T	1,2,4-Trichlor...	0.361	0.382	0.397	0.378	0.417	0.407	0.401	0.392	4.94
30)	T	Naphthalene	1.008	1.053	1.103	1.056	1.109	1.124	1.122	1.082	4.04
31)		2,6-Dichloroph...	0.321	0.342	0.352	0.357	0.373	0.386	0.383	0.359	6.49
32)		4-Chloroaniline	0.409	0.440	0.440	0.424	0.398	0.392	0.439	0.420	4.94
33)	T,C	Hexachlorobuta...	0.229	0.248	0.252	0.243	0.269	0.257	0.252	0.250	4.88#
34)	T,C	4-Chloro-3-met...	0.246	0.262	0.282	0.282	0.294	0.298	0.305	0.281	7.42#
35)		2-Methylnaphth...	0.661	0.699	0.742	0.714	0.757	0.778	0.765	0.731	5.69
36)	I	Acenaphthene-d10	ISTD								

9-24-07

Method Path : C:\msdchem\1\METHODS\
Method File : SVOA0924.M

37)	P	Hexachlorocycl...	0.347	0.354	0.367	0.344	0.400	0.359	0.366	0.362	5.17
38)		2,4,5-Trichlor...	0.426	0.442	0.481	0.459	0.510	0.505	0.489	0.473	6.74
39)	T,C	2,4,6-Trichlor...	0.402	0.424	0.439	0.425	0.468	0.469	0.456	0.441	5.75#
40)	S	2-Fluorobiphenyl	1.273	1.300	1.384	1.291	1.386	1.412	1.386	1.347	4.21
41)	T	2-Chloronaphth...	1.271	1.353	1.452	1.359	1.499	1.492	1.398	1.404	5.91
42)		2-Nitroaniline	0.243	0.253	0.279	0.265	0.282	0.281	0.284	0.270	5.91
43)	T	Acenaphthylene	1.713	1.820	1.860	1.820	1.920	1.911	1.897	1.849	3.92
44)	T	Dimethyl phtha...	1.232	1.320	1.398	1.327	1.467	1.434	1.433	1.373	6.07
45)	T	2,6-Dinitrotol...	0.277	0.294	0.320	0.310	0.343	0.337	0.328	0.316	7.54
46)		3-Nitroaniline	0.289	0.322	0.336	0.328	0.360	0.356	0.349	0.334	7.34
47)	T,C	Acenaphthene	1.118	1.142	1.227	1.186	1.230	1.255	1.243	1.200	4.39#
48)	T,P	2,4-Dinitrophenol	0.109	0.125	0.151	0.166	0.210	0.194	0.184	0.162	22.69
49)		Dibenzofuran	1.608	1.700	1.804	1.751	1.838	1.858	1.856	1.773	5.26
50)	T,P	4-Nitrophenol	0.171	0.185	0.194	0.195	0.192	0.215	0.204	0.194	7.12
51)	T	2,4-Dinitrotol...	0.354	0.391	0.420	0.421	0.474	0.462	0.448	0.424	9.87
52)	T	Fluorene	1.277	1.404	1.504	1.453	1.460	1.487	1.511	1.442	5.65
53)	T	4-Chlorophenyl...	0.612	0.673	0.738	0.710	0.739	0.740	0.747	0.709	7.04
54)	T	Diethyl phthalate	1.215	1.313	1.375	1.353	1.471	1.446	1.389	1.366	6.26
55)		4-Nitroaniline	0.260	0.299	0.311	0.306	0.346	0.327	0.334	0.312	9.04
56)	I	Phenanthrene-d10	----------ISTD----------								
57)	T	4,6-Dinitro-2-...	0.119	0.129	0.152	0.150	0.171	0.168	0.163	0.150	13.06
58)	C	n-Nitrosodiphe...	0.945	1.012	1.105	1.065	1.073	1.112	1.099	1.059	5.74#
59)		1,2-diphenyl-H...	0.643	0.656	0.716	0.664	0.662	0.669	0.688	0.671	3.61
60)	S	2,4,6-Tribromo...	0.207	0.216	0.243	0.234	0.257	0.250	0.245	0.236	7.77
61)	T	4-Bromophenyl ...	0.283	0.289	0.319	0.307	0.328	0.326	0.324	0.311	6.03
62)	T	Hexachlorobenzene	0.362	0.376	0.410	0.383	0.417	0.421	0.414	0.397	5.88
63)	T,C	Pentachlorophenol	0.162	0.169	0.213	0.220	0.263	0.264	0.248	0.220	19.19#
64)	T	Phenanthrene	1.180	1.208	1.301	1.257	1.294	1.350	1.323	1.273	4.84
65)	T	Anthracene	1.161	1.204	1.316	1.256	1.324	1.358	1.324	1.278	5.69
66)		Carbazole	1.137	1.289	1.271	1.348	1.391	1.452	1.382	1.324	7.79
67)	T	Di-n-butyl pht...	1.407	1.467	1.619	1.511	1.610	1.616	1.598	1.547	5.53
68)	T,C	Fluoranthene	1.341	1.410	1.486	1.426	1.495	1.580	1.528	1.467	5.47#
69)	I	Chrysene-d12	----------ISTD----------								
70)		Benzidine	0.465	0.451	0.421	0.371	0.316	0.269	0.350	0.378	19.12
71)	T	Pyrene	1.148	1.145	1.198	1.153	1.100	1.127	1.211	1.154	3.36
72)	S	Terphenyl-d14	0.884	0.892	0.932	0.906	0.874	0.873	0.932	0.899	2.82
73)	T	Butyl benzyl p...	0.545	0.539	0.574	0.553	0.565	0.542	0.565	0.555	2.45
74)	T	Benzo[a]anthra...	1.128	1.110	1.172	1.095	1.105	1.084	1.125	1.117	2.60
75)	T	3,3'-Dichlorob...	0.503	0.518	0.566	0.554	0.565	0.546	0.544	0.542	4.37
76)	T	Chrysene	1.002	1.040	1.106	1.081	0.979	1.002	1.010	1.031	4.50
77)	T	bis(2-Ethylhex...	0.767	0.738	0.822	0.752	0.682	0.709	0.770	0.749	6.06
78)	I	Perylene-d12	----------ISTD----------								
79)	T,C	Di-n-octyl pht...	1.453	1.434	1.501	1.471	1.519	1.498	1.561	1.491	2.86#
80)	T	Benzo[b]fluora...	1.356	1.404	1.518	1.480	1.578	1.687	1.498	1.503	7.28
81)	T	Benzo[k]fluora...	1.207	1.239	1.171	1.223	1.297	1.188	1.334	1.237	4.77

Method Path : C:\msdchem\1\METHODS\
Method File : SVOA0924.M

82)	T,C	Benzo[a]pyrene	1.178	1.237	1.265	1.261	1.363	1.317	1.325	1.278	4.84#
83)	T	Indeno[1,2,3cd...	1.411	1.401	1.448	1.469	1.596	1.569	1.522	1.488	5.11
84)	T	Dibenz[a,h]ant...	0.844	0.840	0.912	0.891	0.989	0.997	0.914	0.913	6.84
85)	T	Benzo[g,h,i]pe...	1.252	1.265	1.262	1.262	1.350	1.300	1.305	1.285	2.74

(#) = Out of Range

9-24-07

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c092107\c092102.D
Acq On : 24 Sep 2007 3:44 pm
Sample : ,ical,svoa ical 10ug/ml,1,ab15-02 Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 24 16:34:09 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Tue Sep 18 15:49:33 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.440	152	238337	40.00	ug/ml	-0.01
19) Naphthalene-d8	5.749	136	845931	40.00	ug/ml	-0.01
36) Acenaphthene-d10	7.694	164	497736	40.00	ug/ml	-0.01
56) Phenanthrene-d10	9.345	188	841690	40.00	ug/ml	0.00
69) Chrysene-d12	11.636	240	1051320	40.00	ug/ml	-0.02
78) Perylene-d12	12.886	264	855704	40.00	ug/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.303	112	64775	11.52	ug/ml	-0.01
Spiked Amount 150.000			Recovery =	7.68%		
5) Phenol-d5	4.088	99	77019	11.36	ug/ml	-0.01
Spiked Amount 150.000			Recovery =	7.57%		
20) Nitrobenzene-d5	4.991	82	64353	12.24	ug/ml	-0.01
Spiked Amount 100.000			Recovery =	12.24%		
40) 2-Fluorobiphenyl	6.935	172	158464	10.22	ug/ml	-0.01
Spiked Amount 100.000			Recovery =	10.22%		
60) 2,4,6-Tribromophenol	8.591	330	43498	8.51	ug/ml	-0.01
Spiked Amount 150.000			Recovery =	5.67%		
72) Terphenyl-d14	10.787	244	232430	10.49	ug/ml	0.00
Spiked Amount 100.000			Recovery =	10.49%		
Target Compounds						Qvalue
2) Pyridine	2.405	79	64716	13.95	ug/ml	100
3) n-Nitrosodimethylamine	2.362	74	33950	12.70	ug/ml	78
6) Phenol	4.099	94	77908	11.76	ug/ml	92
7) Aniline	4.131	93	89791	13.44	ug/ml	97
8) bis(2-Chloroethyl)ether	4.179	93	57666	11.33	ug/ml	96
9) 2-Chlorophenol	4.248	128	75747	11.19	ug/ml	95
10) 1,3-Dichlorobenzene	4.387	146	89440	11.31	ug/ml	99
11) 1,4-Dichlorobenzene	4.456	146	93953	11.63	ug/ml	98
12) 1,2-Dichlorobenzene	4.606	146	87492	11.30	ug/ml	99
13) Benzyl alcohol	4.569	108	43362	10.64	ug/ml	87
14) bis(2-chloroisopropyl)eth	4.692	45	74454	12.81	ug/ml	96
15) 2-Methylphenol	4.681	108	60545	10.93	ug/ml	99
16) Hexachloroethane	4.943	117	36453	12.26	ug/ml	81
17) N-Nitrosodi-n-propylamine	4.825	70	40625	12.74	ug/ml	85
18) 3/4-Methylphenol	4.830	108	64582	11.77	ug/ml	99
21) Nitrobenzene	5.007	77	65158	13.51	ug/ml	88
22) Acetophenone	4.830	105	91345	12.73	ug/ml#	71
23) Isophorone	5.252	82	110152	12.09	ug/ml	90
24) 2-Nitrophenol	5.338	139	41094	10.66	ug/ml	85
25) 2,4-Dimethylphenol	5.386	107	65222	12.01	ug/ml	93
26) bis(2-Chloroethoxy)methan	5.477	93	75261	11.68	ug/ml	97
27) 2,4-Dichlorophenol	5.605	162	66821	10.48	ug/ml	99
29) 1,2,4-Trichlorobenzene	5.680	180	76266	10.49	ug/ml	98
30) Naphthalene	5.771	128	213184	11.49	ug/ml	99
31) 2,6-Dichlorophenol	5.840	162	67991	10.99	ug/ml	93
32) 4-Chloroaniline	5.829	127	86457	13.07	ug/ml	97
33) Hexachlorobutadiene	5.894	225	48477	10.06	ug/ml	98
34) 4-Chloro-3-methylphenol	6.374	107	51999	10.62	ug/ml	91

9-24-07

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c092107\c092102.D
Acq On : 24 Sep 2007 3:44 pm
Sample : ,ical,svoa ical 10ug/ml,1,ab15-02 Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 24 16:34:09 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Tue Sep 18 15:49:33 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

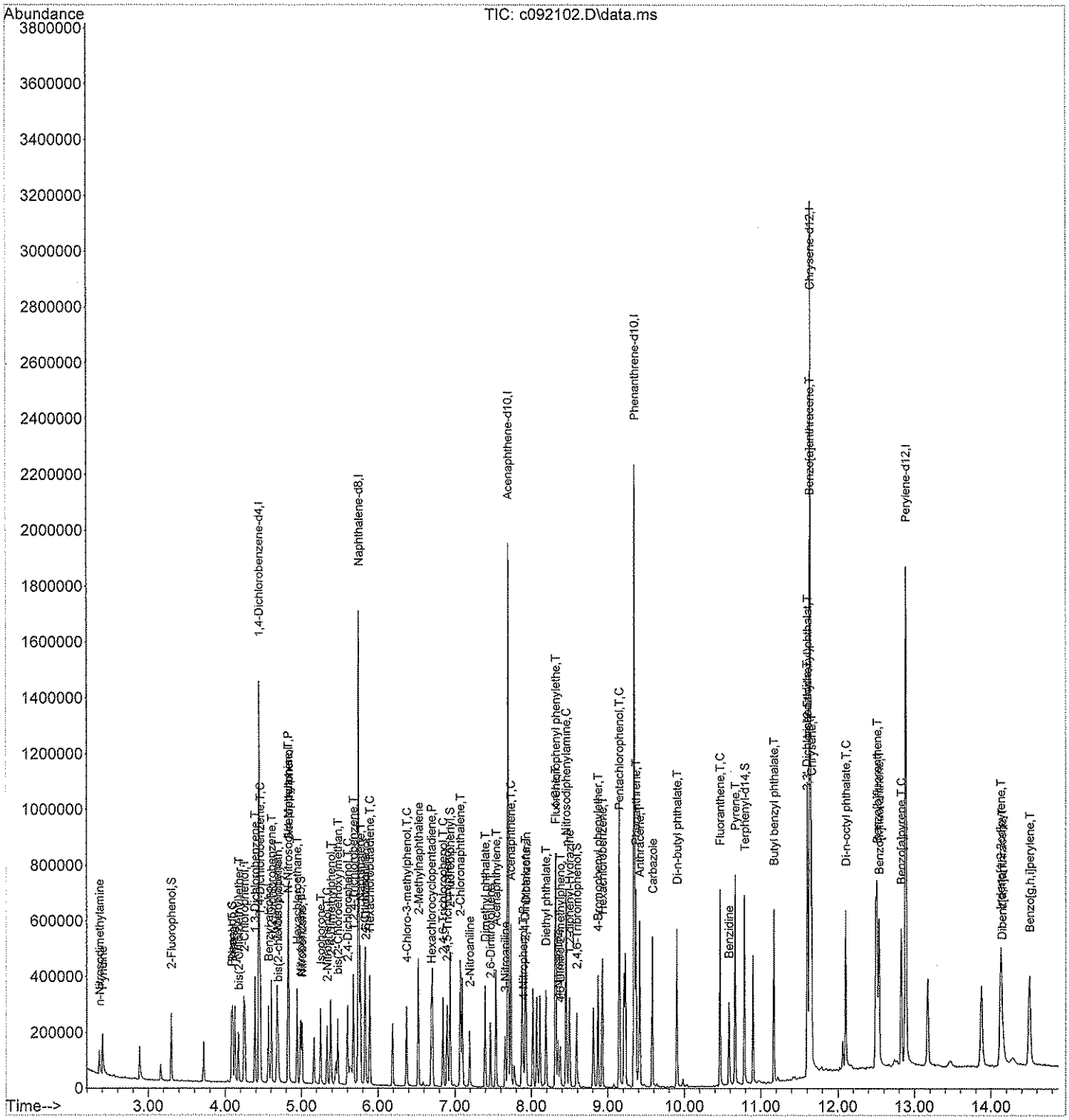
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
35) 2-Methylnaphthalene	6.529	142	139793	10.57 ug/ml	97
37) Hexachlorocyclopentadiene	6.695	237	43157	10.61 ug/ml	96
38) 2,4,5-Trichlorophenol	6.898	196	53019	10.16 ug/ml	99
39) 2,4,6-Trichlorophenol	6.844	196	50035	10.43 ug/ml	99
41) 2-Chloronaphthalene	7.069	162	158213	10.92 ug/ml	98
42) 2-Nitroaniline	7.192	65	30298	13.57 ug/ml	72
43) Acenaphthylene	7.539	152	213178	10.55 ug/ml	100
44) Dimethyl phthalate	7.395	163	153282	10.48 ug/ml	98
45) 2,6-Dinitrotoluene	7.464	165	34429	10.02 ug/ml	84
46) 3-Nitroaniline	7.656	138	35934	10.59 ug/ml	85
47) Acenaphthene	7.731	153	139143	11.54 ug/ml	97
49) Dibenzofuran	7.929	168	200099	11.14 ug/ml	99
50) 4-Nitrophenol	7.891	109	21327	14.15 ug/ml#	82
51) 2,4-Dinitrotoluene	7.918	165	44081	10.54 ug/ml#	81
52) Fluorene	8.314	166	158864	11.36 ug/ml	96
53) 4-Chlorophenyl phenylethe	8.319	204	76123	10.11 ug/ml	95
54) Diethyl phthalate	8.191	149	151140	10.74 ug/ml	96
55) 4-Nitroaniline	8.351	138	32409	10.32 ug/ml	83
57) 4,6-Dinitro-2-methylpheno	8.378	198	25127	8.45 ug/ml#	84
58) n-Nitrosodiphenylamine	8.452	169	198806	10.60 ug/ml	97
59) 1,2-diphenyl-Hydrazine	8.495	77	135281	13.56 ug/ml	84
61) 4-Bromophenyl phenylether	8.869	248	59463	9.57 ug/ml	92
62) Hexachlorobenzene	8.928	284	76114	9.88 ug/ml	96
63) Pentachlorophenol	9.147	266	34040	8.68 ug/ml	99
64) Phenanthrene	9.366	178	248228	11.59 ug/ml	99
65) Anthracene	9.414	178	244396	11.10 ug/ml	99
66) Carbazole	9.585	167	239235	11.21 ug/ml	99
67) Di-n-butyl phthalate	9.905	149	295976	11.74 ug/ml	99
68) Fluoranthene	10.466	202	282134	11.30 ug/ml	98
70) Benzidine	10.584	184	122297	22.65 ug/ml	98
71) Pyrene	10.664	202	301831	10.94 ug/ml	99
73) Butyl benzyl phthalate	11.172	149	143318	11.20 ug/ml	92
74) Benzo[a]anthracene	11.631	228	296599	11.53 ug/ml	98
75) 3,3'-Dichlorobenzidine	11.599	252	132124	11.36 ug/ml	98
76) Chrysene	11.658	228	263463	10.99 ug/ml	98
77) bis(2-Ethylhexyl)phthalat	11.604	149	201657	12.02 ug/ml	91
79) Di-n-octyl phthalate	12.101	149	310931	11.56 ug/ml	100
80) Benzo[b]fluoranthene	12.512	252	290156	10.29 ug/ml	99
81) Benzo[k]fluoranthene	12.539	252	258243	11.85 ug/ml	99
82) Benzo[a]pyrene	12.828	252	251980	10.39 ug/ml	97
83) Indeno[1,2,3cd]pyrene	14.126	276	301766	9.86 ug/ml	99
84) Dibenz[a,h]anthracene	14.142	278	180639	9.28 ug/ml	98
85) Benzo[g,h,i]perylene	14.505	276	267935	10.04 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

9-24-07

Data File: C:\msdchem\1\DATA\C\c092107\c092102.D
Acq On : 24 Sep 2007 3:44 pm
Sample : ,ical,svoa ical 10ug/ml,1,ab15-02 Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 24 16:34:09 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Tue Sep 18 15:49:33 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M



Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c092107\c092103.D
Acq On : 24 Sep 2007 4:09 pm
Sample : ,ical,svoa ical 20ug/ml,1,ab15-03 Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 24 16:35:40 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 16:35:29 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.440	152	143145	40.00	ug/ml	0.00
19) Naphthalene-d8	5.749	136	519401	40.00	ug/ml	0.00
36) Acenaphthene-d10	7.694	164	314895	40.00	ug/ml	0.00
56) Phenanthrene-d10	9.345	188	547603	40.00	ug/ml	0.00
69) Chrysene-d12	11.636	240	709877	40.00	ug/ml	-0.01
78) Perylene-d12	12.886	264	600661	40.00	ug/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.303	112	78723	22.73	ug/ml	0.00
Spiked Amount 150.000			Recovery =	15.15%		
5) Phenol-d5	4.088	99	94344	22.70	ug/ml	0.00
Spiked Amount 150.000			Recovery =	15.13%		
20) Nitrobenzene-d5	4.991	82	80053	24.00	ug/ml	0.00
Spiked Amount 100.000			Recovery =	24.00%		
40) 2-Fluorobiphenyl	6.935	172	204622	21.01	ug/ml	0.00
Spiked Amount 100.000			Recovery =	21.01%		
60) 2,4,6-Tribromophenol	8.591	330	59130	18.13	ug/ml	0.00
Spiked Amount 150.000			Recovery =	12.09%		
72) Terphenyl-d14	10.787	244	316524	21.27	ug/ml	0.00
Spiked Amount 100.000			Recovery =	21.27%		
Target Compounds						Qvalue
2) Pyridine	2.394	79	78827	26.85	ug/ml	92
3) n-Nitrosodimethylamine	2.357	74	42992	25.49	ug/ml	76
6) Phenol	4.099	94	95217	23.35	ug/ml	93
7) Aniline	4.131	93	108203	26.12	ug/ml	96
8) bis(2-Chloroethyl)ether	4.173	93	71076	22.86	ug/ml	93
9) 2-Chlorophenol	4.248	128	93547	22.71	ug/ml	97
10) 1,3-Dichlorobenzene	4.387	146	108541	22.57	ug/ml	100
11) 1,4-Dichlorobenzene	4.456	146	115275	23.41	ug/ml	98
12) 1,2-Dichlorobenzene	4.606	146	106714	22.75	ug/ml	97
13) Benzyl alcohol	4.569	108	51199	20.69	ug/ml	91
14) bis(2-chloroisopropyl)eth	4.691	45	88912	24.74	ug/ml	94
15) 2-Methylphenol	4.681	108	76615	22.79	ug/ml	98
16) Hexachloroethane	4.943	117	44510	24.25	ug/ml	81
17) N-Nitrosodi-n-propylamine	4.825	70	52250	26.79	ug/ml	87
18) 3/4-Methylphenol	4.830	108	82130	24.63	ug/ml	98
21) Nitrobenzene	5.012	77	80825	26.18	ug/ml	96
22) Acetophenone	4.830	105	118162	26.17	ug/ml#	72
23) Isophorone	5.252	82	141562	24.77	ug/ml	91
24) 2-Nitrophenol	5.338	139	52866	22.02	ug/ml	86
25) 2,4-Dimethylphenol	5.386	107	81565	23.78	ug/ml	96
26) bis(2-Chloroethoxy)methan	5.477	93	95858	23.91	ug/ml	99
27) 2,4-Dichlorophenol	5.605	162	85650	21.70	ug/ml	98
28) Benzoic acid	5.466	122	46529	18.88	ug/ml	91
29) 1,2,4-Trichlorobenzene	5.680	180	99150	22.19	ug/ml	99
30) Naphthalene	5.771	128	273557	23.83	ug/ml	99
31) 2,6-Dichlorophenol	5.840	162	88863	23.26	ug/ml	95
32) 4-Chloroaniline	5.829	127	114186	27.57	ug/ml	99
33) Hexachlorobutadiene	5.893	225	64323	21.91	ug/ml	97

Apr 19-2008 rakesh

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c092107\c092103.D
Acq On : 24 Sep 2007 4:09 pm
Sample : ,ical,svoa ical 20ug/ml,1,ab15-03 Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 24 16:35:40 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 16:35:29 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
34) 4-Chloro-3-methylphenol	6.374	107	68171	22.62 ug/ml	93
35) 2-Methylnaphthalene	6.529	142	181573	22.57 ug/ml	98
37) Hexachlorocyclopentadiene	6.695	237	55801	22.32 ug/ml	96
38) 2,4,5-Trichlorophenol	6.898	196	69519	21.06 ug/ml	98
39) 2,4,6-Trichlorophenol	6.844	196	66797	21.84 ug/ml	97
41) 2-Chloronaphthalene	7.074	162	213062	23.00 ug/ml	99
42) 2-Nitroaniline	7.192	65	39895	26.62 ug/ml	73
43) Acenaphthylene	7.539	152	286491	22.53 ug/ml	99
44) Dimethyl phthalate	7.395	163	207857	22.53 ug/ml	99
45) 2,6-Dinitrotoluene	7.464	165	46344	21.23 ug/ml#	80
46) 3-Nitroaniline	7.662	138	50640	23.12 ug/ml	94
47) Acenaphthene	7.731	153	179820	23.40 ug/ml	99
48) 2,4-Dinitrophenol	7.779	184	19618	18.05 ug/ml	82
49) Dibenzofuran	7.929	168	267659	23.56 ug/ml	97
50) 4-Nitrophenol	7.891	109	29105	28.06 ug/ml#	83
51) 2,4-Dinitrotoluene	7.918	165	61524	23.10 ug/ml#	80
52) Fluorene	8.319	166	220982	25.03 ug/ml	98
53) 4-Chlorophenyl phenylethe	8.319	204	105997	22.61 ug/ml	95
54) Diethyl phthalate	8.196	149	206736	23.21 ug/ml	97
55) 4-Nitroaniline	8.351	138	47035	23.03 ug/ml	81
57) 4,6-Dinitro-2-methylpheno	8.378	198	35358	18.16 ug/ml#	80
58) n-Nitrosodiphenylamine	8.458	169	277070	22.99 ug/ml	98
59) 1,2-diphenyl-Hydrazine	8.495	77	179479	26.66 ug/ml	83
61) 4-Bromophenyl phenylether	8.869	248	79027	19.82 ug/ml	95
62) Hexachlorobenzene	8.928	284	102947	20.76 ug/ml	96
63) Pentachlorophenol	9.152	266	46144	18.19 ug/ml	98
64) Phenanthrene	9.366	178	330788	23.69 ug/ml	98
65) Anthracene	9.414	178	329603	23.07 ug/ml	99
66) Carbazole	9.580	167	353006	25.44 ug/ml#	98
67) Di-n-butyl phthalate	9.905	149	401589	24.28 ug/ml	99
68) Fluoranthene	10.466	202	386131	23.84 ug/ml	98
70) Benzidine	10.584	184	160222	43.94 ug/ml	98
71) Pyrene	10.664	202	406272	21.73 ug/ml	98
73) Butyl benzyl phthalate	11.172	149	191251	21.83 ug/ml	90
74) Benzo[a]anthracene	11.631	228	394042	22.26 ug/ml	99
75) 3,3'-Dichlorobenzidine	11.599	252	183893	22.98 ug/ml	98
76) Chrysene	11.658	228	369083	22.76 ug/ml	99
77) bis(2-Ethylhexyl)phthalat	11.604	149	261932	22.78 ug/ml	93
79) Di-n-octyl phthalate	12.101	149	430751	23.14 ug/ml	99
80) Benzo[b]fluoranthene	12.512	252	421516	21.90 ug/ml	97
81) Benzo[k]fluoranthene	12.539	252	372218	24.57 ug/ml	98
82) Benzo[a]pyrene	12.828	252	371650	22.39 ug/ml	98
83) Indeno[1,2,3cd]pyrene	14.126	276	420885	20.24 ug/ml	100
84) Dibenz[a,h]anthracene	14.142	278	252181	19.31 ug/ml	99
85) Benzo[g,h,i]perylene	14.505	276	379891	20.93 ug/ml	97

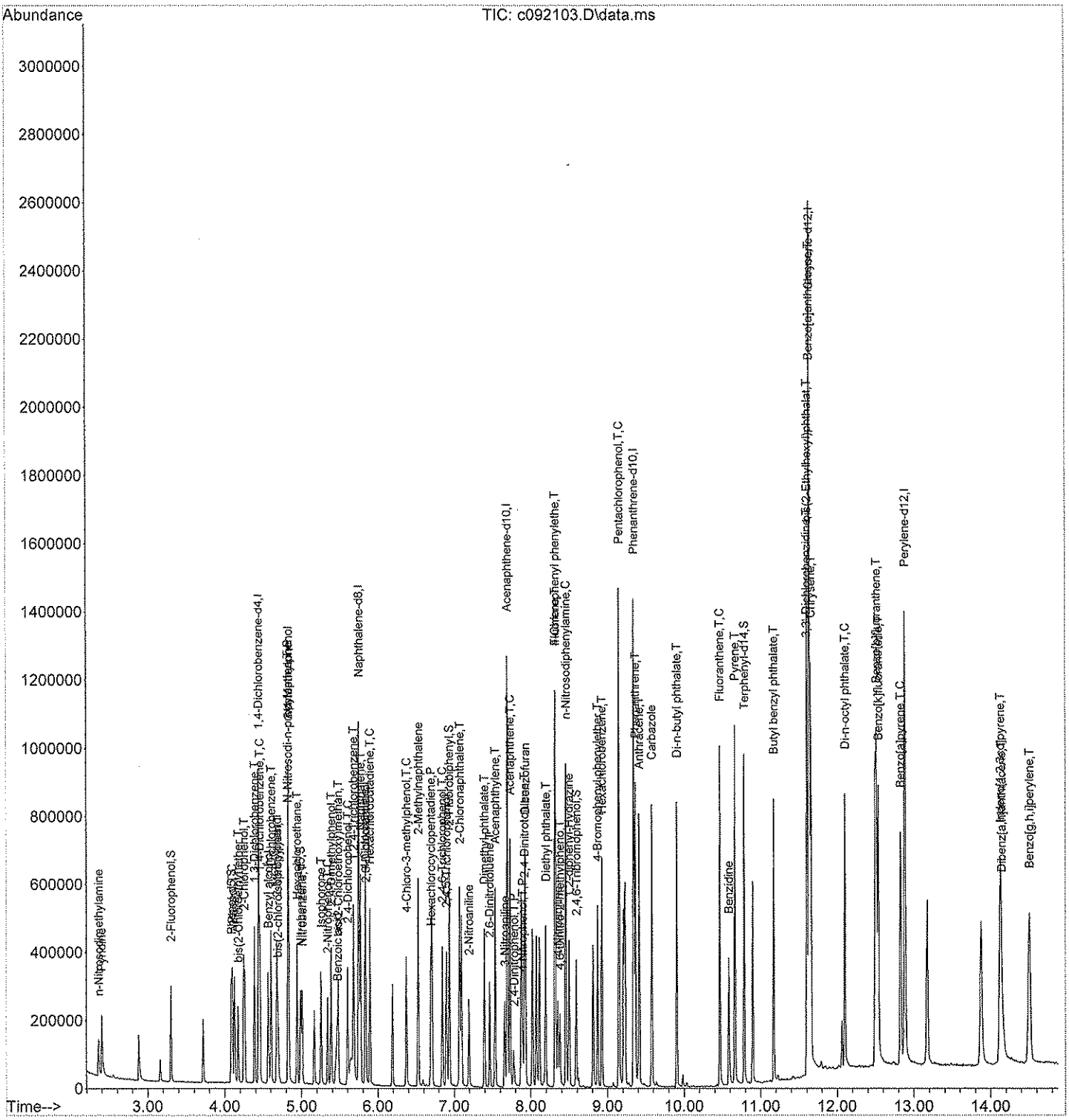
(#) = qualifier out of range (m) = manual integration (+) = signals summed

9-24-07

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c092107\c092103.D
Acq On : 24 Sep 2007 4:09 pm
Sample : ,ical,svoa ical 20ug/ml,1,ab15-03 Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 24 16:35:40 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 16:35:29 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M



Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c092107\c092104.D
Acq On : 24 Sep 2007 4:34 pm
Sample : ,ical,svoa ical 50ug/ml,1,ab14-15 Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 24 17:32:25 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 16:38:43 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.443	152	87199	40.00	ug/ml	0.00
19) Naphthalene-d8	5.747	136	323274	40.00	ug/ml	0.00
36) Acenaphthene-d10	7.697	164	199584	40.00	ug/ml	0.00
56) Phenanthrene-d10	9.342	188	335122	40.00	ug/ml	0.00
69) Chrysene-d12	11.639	240	432229	40.00	ug/ml	0.00
78) Perylene-d12	12.884	264	365964	40.00	ug/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	3.300	112	124505	57.25	ug/ml	0.00
Spiked Amount 150.000			Recovery =	38.17%		
5) Phenol-d5	4.091	99	151545	58.29	ug/ml	0.00
Spiked Amount 150.000			Recovery =	38.86%		
20) Nitrobenzene-d5	4.993	82	130383	60.65	ug/ml	0.00
Spiked Amount 100.000			Recovery =	60.65%		
40) 2-Fluorobiphenyl	6.938	172	345240	56.07	ug/ml	0.00
Spiked Amount 100.000			Recovery =	56.07%		
60) 2,4,6-Tribromophenol	8.594	330	101692	51.65	ug/ml	0.00
Spiked Amount 150.000			Recovery =	34.43%		
72) Terphenyl-d14	10.784	244	503641	55.26	ug/ml	0.00
Spiked Amount 100.000			Recovery =	55.26%		
Target Compounds						Qvalue
2) Pyridine	2.392	79	127138	67.59	ug/ml	96
3) n-Nitrosodimethylamine	2.349	74	69559	64.03	ug/ml#	71
6) Phenol	4.101	94	157558	61.58	ug/ml	95
7) Aniline	4.128	93	174819	66.73	ug/ml	93
8) bis(2-Chloroethyl)ether	4.176	93	114412	58.90	ug/ml	94
9) 2-Chlorophenol	4.251	128	152114	59.26	ug/ml	98
10) 1,3-Dichlorobenzene	4.390	146	178755	59.93	ug/ml	99
11) 1,4-Dichlorobenzene	4.459	146	184550	59.95	ug/ml	100
12) 1,2-Dichlorobenzene	4.609	146	173341	59.47	ug/ml	100
13) Benzyl alcohol	4.566	108	87068	57.18	ug/ml	90
14) bis(2-chloroisopropyl)eth	4.694	45	141589	62.45	ug/ml	98
15) 2-Methylphenol	4.678	108	123488	59.04	ug/ml	98
16) Hexachloroethane	4.945	117	73299	63.34	ug/ml	87
17) N-Nitrosodi-n-propylamine	4.828	70	84979	68.88	ug/ml	90
18) 3/4-Methylphenol	4.833	108	135548	64.73	ug/ml	99
21) Nitrobenzene	5.010	77	130984	64.79	ug/ml	91
22) Acetophenone	4.833	105	195481	66.92	ug/ml#	77
23) Isophorone	5.255	82	230971	62.94	ug/ml	93
24) 2-Nitrophenol	5.341	139	85703	56.21	ug/ml	90
25) 2,4-Dimethylphenol	5.383	107	130774	59.26	ug/ml	96
26) bis(2-Chloroethoxy)methan	5.480	93	155571	60.87	ug/ml	100
27) 2,4-Dichlorophenol	5.602	162	142736	57.40	ug/ml	99
28) Benzoic acid	5.480	122	85733	56.01	ug/ml	97
29) 1,2,4-Trichlorobenzene	5.683	180	160384	56.94	ug/ml	99
30) Naphthalene	5.773	128	445826	61.10	ug/ml	99
31) 2,6-Dichlorophenol	5.838	162	142065	58.62	ug/ml	88
32) 4-Chloroaniline	5.832	127	177931	66.29	ug/ml	98
33) Hexachlorobutadiene	5.896	225	101703	54.99	ug/ml	99

9-24-07

10/9/2007

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c092107\c092104.D
Acq On : 24 Sep 2007 4:34 pm
Sample : ,ical,svoa ical 50ug/ml,1,ab14-15 Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 24 17:32:25 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 16:38:43 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
34) 4-Chloro-3-methylphenol	6.377	107	113859	59.83 ug/ml	94
35) 2-Methylnaphthalene	6.527	142	299648	59.39 ug/ml	100
37) Hexachlorocyclopentadiene	6.698	237	91521	59.08 ug/ml	99
38) 2,4,5-Trichlorophenol	6.901	196	120062	57.07 ug/ml	98
39) 2,4,6-Trichlorophenol	6.847	196	109612	55.83 ug/ml	98
41) 2-Chloronaphthalene	7.072	162	362261	60.42 ug/ml	99
42) 2-Nitroaniline	7.194	65	69635	69.43 ug/ml	75
43) Acenaphthylene	7.536	152	463995	57.04 ug/ml	100
44) Dimethyl phthalate	7.397	163	348668	58.92 ug/ml	99
45) 2,6-Dinitrotoluene	7.467	165	79746	57.05 ug/ml	83
46) 3-Nitroaniline	7.659	138	83726	58.58 ug/ml	82
47) Acenaphthene	7.734	153	306033	61.72 ug/ml	98
48) 2,4-Dinitrophenol	7.782	184	37615	53.48 ug/ml	83
49) Dibenzofuran	7.932	168	449990	61.75 ug/ml	99
50) 4-Nitrophenol	7.894	109	48312	67.99 ug/ml#	82
51) 2,4-Dinitrotoluene	7.921	165	104731	61.12 ug/ml	83
52) Fluorene	8.316	166	375239	65.82 ug/ml	97
53) 4-Chlorophenyl phenylethe	8.322	204	184198	61.89 ug/ml	97
54) Diethyl phthalate	8.193	149	342928	59.86 ug/ml	97
55) 4-Nitroaniline	8.354	138	77587	58.23 ug/ml	81
57) 4,6-Dinitro-2-methylpheno	8.380	198	63514	53.27 ug/ml#	80
58) n-Nitrosodiphenylamine	8.455	169	463092	62.07 ug/ml	98
59) 1,2-diphenyl-Hydrazine	8.498	77	300143	69.50 ug/ml	85
61) 4-Bromophenyl phenylether	8.872	248	133709	55.23 ug/ml	96
62) Hexachlorobenzene	8.931	284	171765	56.61 ug/ml	98
63) Pentachlorophenol	9.150	266	89284	57.95 ug/ml	98
64) Phenanthrene	9.369	178	544919	62.72 ug/ml	99
65) Anthracene	9.417	178	551182	62.21 ug/ml	99
66) Carbazole	9.582	167	532294	61.13 ug/ml#	99
67) Di-n-butyl phthalate	9.908	149	678130	65.58 ug/ml	99
68) Fluoranthene	10.469	202	622642	61.81 ug/ml	97
70) Benzidine	10.587	184	227321	102.39 ug/ml	99
71) Pyrene	10.661	202	647039	56.42 ug/ml	93
73) Butyl benzyl phthalate	11.174	149	310251	57.38 ug/ml	97
74) Benzo[a]anthracene	11.628	228	633473	57.57 ug/ml	99
75) 3,3'-Dichlorobenzidine	11.602	252	305575	61.23 ug/ml	99
76) Chrysene	11.660	228	597331	59.60 ug/ml	98
77) bis(2-Ethylhexyl)phthalat	11.607	149	444259	62.58 ug/ml	95
79) Di-n-octyl phthalate	12.099	149	686801	60.83 ug/ml	99
80) Benzo[b]fluoranthene	12.515	252	694555	59.30 ug/ml	98
81) Benzo[k]fluoranthene	12.537	252	535616	58.29 ug/ml	98
82) Benzo[a]pyrene	12.830	252	578848	57.46 ug/ml	98
83) Indeno[1,2,3cd]pyrene	14.129	276	662596	52.99 ug/ml	99
84) Dibenz[a,h]anthracene	14.139	278	417140	53.90 ug/ml	98
85) Benzo[g,h,i]perylene	14.508	276	577161	52.59 ug/ml	97

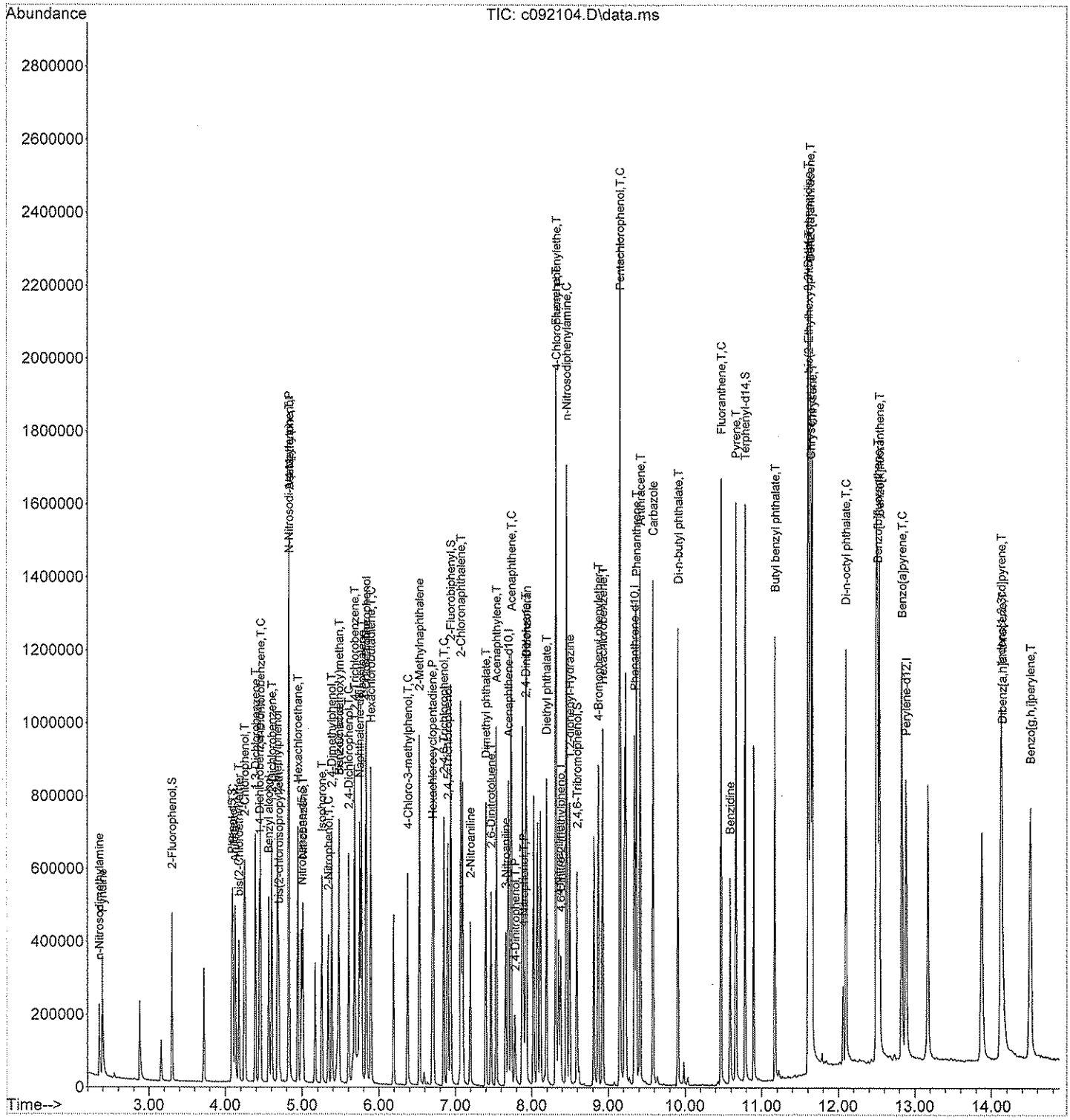
9-24-07

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c092107\c092104.D
Acq On : 24 Sep 2007 4:34 pm
Sample : ,ical,svoa ical 50ug/ml,1,ab14-15 Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 24 17:32:25 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 16:38:43 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M



Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c092107\c092105.D
Acq On : 24 Sep 2007 4:59 pm
Sample : ,ical,svoa ical 80ug/ml,1,ab14-16 Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 24 17:34:24 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 17:34:14 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.442	152	86754	40.00	ug/ml	0.00
19) Naphthalene-d8	5.746	136	327533	40.00	ug/ml	0.00
36) Acenaphthene-d10	7.696	164	207142	40.00	ug/ml	0.00
56) Phenanthrene-d10	9.341	188	353188	40.00	ug/ml	0.00
69) Chrysene-d12	11.638	240	455826	40.00	ug/ml	0.00
78) Perylene-d12	12.883	264	374317	40.00	ug/ml	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	3.299	112	188348	85.53	ug/ml	0.00
Spiked Amount 150.000			Recovery =	57.02%		
5) Phenol-d5	4.090	99	231049	87.53	ug/ml	0.00
Spiked Amount 150.000			Recovery =	58.35%		
20) Nitrobenzene-d5	4.992	82	201380	89.70	ug/ml	0.00
Spiked Amount 100.000			Recovery =	89.70%		
40) 2-Fluorobiphenyl	6.937	172	534876	83.04	ug/ml	0.00
Spiked Amount 100.000			Recovery =	83.04%		
60) 2,4,6-Tribromophenol	8.593	330	165080	80.39	ug/ml	0.00
Spiked Amount 150.000			Recovery =	53.59%		
72) Terphenyl-d14	10.789	244	825707	86.00	ug/ml	0.00
Spiked Amount 100.000			Recovery =	86.00%		
Target Compounds						Qvalue
2) Pyridine	2.385	79	179481	90.58	ug/ml	99
3) n-Nitrosodimethylamine	2.348	74	106336	94.07	ug/ml	96
6) Phenol	4.100	94	244685	93.35	ug/ml	99
7) Aniline	4.132	93	255550	93.58	ug/ml	95
8) bis(2-Chloroethyl)ether	4.175	93	173147	87.75	ug/ml	99
9) 2-Chlorophenol	4.250	128	232927	89.26	ug/ml	98
10) 1,3-Dichlorobenzene	4.389	146	267018	87.88	ug/ml	99
11) 1,4-Dichlorobenzene	4.458	146	275716	87.78	ug/ml	99
12) 1,2-Dichlorobenzene	4.608	146	260752	87.88	ug/ml	99
13) Benzyl alcohol	4.570	108	133035	86.45	ug/ml	98
14) bis(2-chloroisopropyl)eth	4.693	45	211062	90.48	ug/ml	98
15) 2-Methylphenol	4.683	108	193471	91.00	ug/ml	98
16) Hexachloroethane	4.944	117	108675	91.04	ug/ml	96
17) N-Nitrosodi-n-propylamine	4.827	70	132789	102.68	ug/ml	99
18) 3/4-Methylphenol	4.832	108	216278	100.12	ug/ml	99
21) Nitrobenzene	5.014	77	201080	93.76	ug/ml	96
22) Acetophenone	4.832	105	306457	98.68	ug/ml	97
23) Isophorone	5.260	82	359169	93.10	ug/ml	96
24) 2-Nitrophenol	5.340	139	136239	86.96	ug/ml	99
25) 2,4-Dimethylphenol	5.388	107	208597	91.36	ug/ml	100
26) bis(2-Chloroethoxy)methan	5.479	93	243386	91.36	ug/ml	98
27) 2,4-Dichlorophenol	5.601	162	222074	87.04	ug/ml	99
28) Benzoic acid	5.495	122	141131	91.01	ug/ml	97
29) 1,2,4-Trichlorobenzene	5.682	180	247346	85.70	ug/ml	100
30) Naphthalene	5.772	128	692012	91.27	ug/ml	99
31) 2,6-Dichlorophenol	5.842	162	234084	93.59	ug/ml	89
32) 4-Chloroaniline	5.831	127	277464	98.02	ug/ml	99
33) Hexachlorobutadiene	5.895	225	159045	84.33	ug/ml	98

9-24-07

9/25/07

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c092107\c092105.D
Acq On : 24 Sep 2007 4:59 pm
Sample : ,ical,svoa ical 80ug/ml,1,ab14-16 Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 24 17:34:24 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 17:34:14 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
34) 4-Chloro-3-methylphenol	6.376	107	184969	94.19 ug/ml	99
35) 2-Methylnaphthalene	6.531	142	467696	90.14 ug/ml	100
37) Hexachlorocyclopentadiene	6.697	237	142589	86.13 ug/ml	99
38) 2,4,5-Trichlorophenol	6.900	196	189986	85.97 ug/ml	98
39) 2,4,6-Trichlorophenol	6.846	196	175869	85.47 ug/ml	99
41) 2-Chloronaphthalene	7.076	162	563208	87.90 ug/ml	99
42) 2-Nitroaniline	7.193	65	109835	99.23 ug/ml	98
43) Acenaphthylene	7.541	152	753881	88.17 ug/ml	99
44) Dimethyl phthalate	7.402	163	549935	87.94 ug/ml	99
45) 2,6-Dinitrotoluene	7.471	165	128508	87.46 ug/ml	96
46) 3-Nitroaniline	7.664	138	135959	89.78 ug/ml	96
47) Acenaphthene	7.733	153	491504	92.83 ug/ml	99
48) 2,4-Dinitrophenol	7.786	184	68817	93.40 ug/ml	95
49) Dibenzofuran	7.931	168	725550	93.42 ug/ml	99
50) 4-Nitrophenol	7.899	109	80617	103.63 ug/ml	97
51) 2,4-Dinitrotoluene	7.925	165	174326	95.70 ug/ml	100
52) Fluorene	8.321	166	601951	97.89 ug/ml	99
53) 4-Chlorophenyl phenylethe	8.321	204	294309	93.15 ug/ml	99
54) Diethyl phthalate	8.198	149	560358	92.31 ug/ml	99
55) 4-Nitroaniline	8.358	138	126872	90.21 ug/ml	98
57) 4,6-Dinitro-2-methylpheno	8.385	198	105961	84.60 ug/ml	97
58) n-Nitrosodiphenylamine	8.459	169	752352	93.32 ug/ml	99
59) 1,2-diphenyl-Hydrazine	8.502	77	469208	97.47 ug/ml	95
61) 4-Bromophenyl phenylether	8.871	248	216808	84.92 ug/ml	98
62) Hexachlorobenzene	8.930	284	270668	83.78 ug/ml	96
63) Pentachlorophenol	9.154	266	155291	94.10 ug/ml	98
64) Phenanthrene	9.368	178	888245	94.04 ug/ml	99
65) Anthracene	9.421	178	886914	92.45 ug/ml	100
66) Carbazole	9.587	167	952199	100.74 ug/ml	100
67) Di-n-butyl phthalate	9.907	149	1067102	94.18 ug/ml	100
68) Fluoranthene	10.468	202	1007111	92.32 ug/ml	97
70) Benzidine	10.591	184	338074	120.48 ug/ml	98
71) Pyrene	10.666	202	1051450	86.84 ug/ml	96
73) Butyl benzyl phthalate	11.173	149	503739	87.59 ug/ml	97
74) Benzo[a]anthracene	11.627	228	998483	84.93 ug/ml	99
75) 3,3'-Dichlorobenzidine	11.601	252	504684	93.37 ug/ml	100
76) Chrysene	11.659	228	985123	92.04 ug/ml	99
77) bis(2-Ethylhexyl)phthalat	11.606	149	685741	89.88 ug/ml	99
79) Di-n-octyl phthalate	12.097	149	1101188	92.87 ug/ml	99
80) Benzo[b]fluoranthene	12.514	252	1107935	90.32 ug/ml	99
81) Benzo[k]fluoranthene	12.536	252	915671	94.72 ug/ml	99
82) Benzo[a]pyrene	12.829	252	943660	89.39 ug/ml	99
83) Indeno[1,2,3cd]pyrene	14.133	276	1099595	84.98 ug/ml	99
84) Dibenz[a,h]anthracene	14.138	278	667381	83.49 ug/ml	99
85) Benzo[g,h,i]perylene	14.507	276	944565	83.07 ug/ml	100

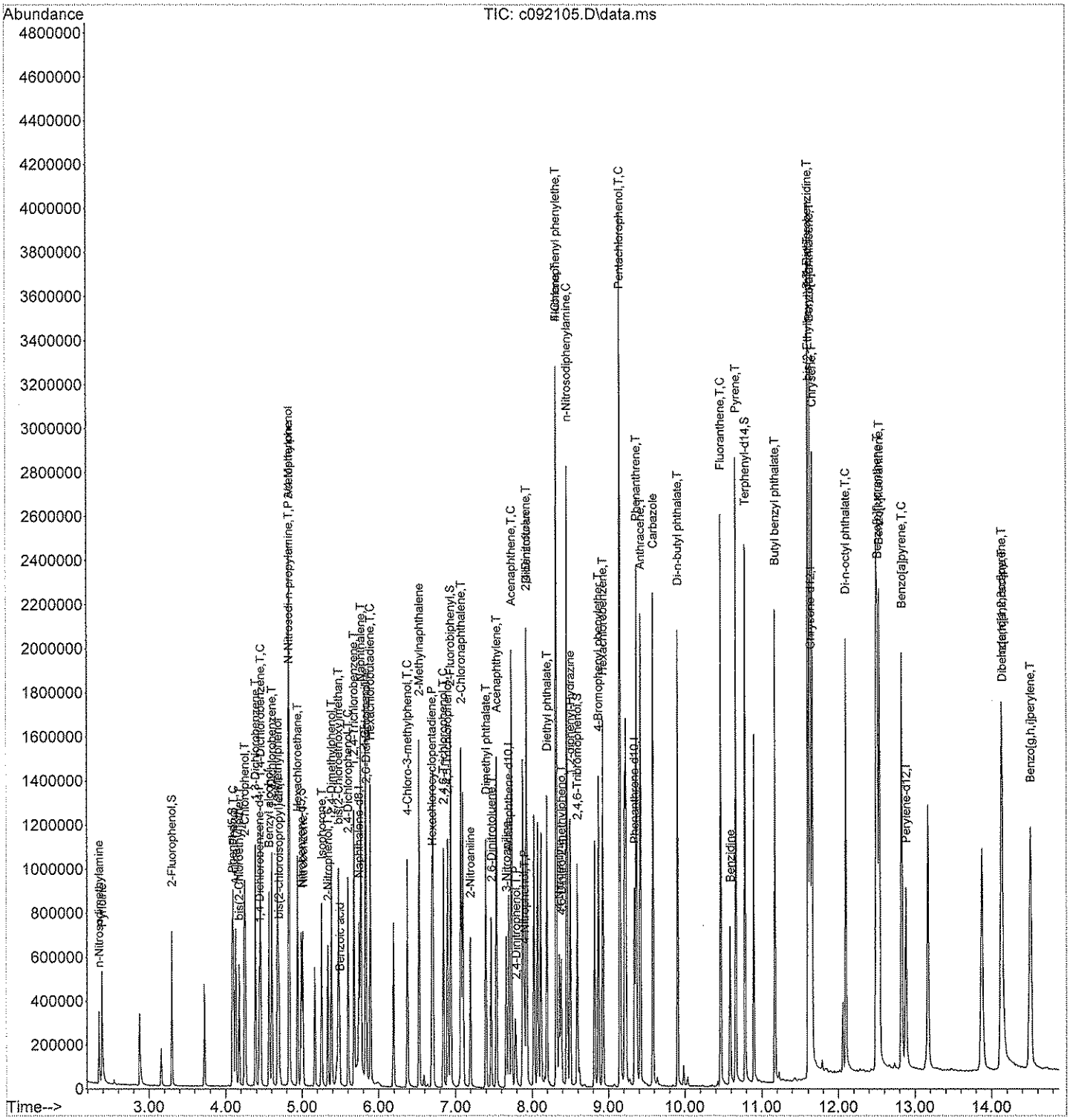
9-24-07

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c092107\c092105.D
Acq On : 24 Sep 2007 4:59 pm
Sample : ,ical,svoa ical 80ug/ml,1,ab14-16 Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 24 17:34:24 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 17:34:14 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M



Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c092107\c092106.D
Acq On : 24 Sep 2007 5:23 pm
Sample : ,ical,svoa ical 100ug/ml,1,ab15-04 Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 24 18:22:05 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 17:37:04 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.442	152	97587	40.00	ug/ml	0.00
19) Naphthalene-d8	5.751	136	361161	40.00	ug/ml	0.00
36) Acenaphthene-d10	7.696	164	233735	40.00	ug/ml	0.00
56) Phenanthrene-d10	9.346	188	401397	40.00	ug/ml	0.00
69) Chrysene-d12	11.638	240	527862	40.00	ug/ml	0.00
78) Perylene-d12	12.883	264	423341	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.299	112	285083	112.86	ug/ml	0.00
Spiked Amount 150.000			Recovery =	75.24%		
5) Phenol-d5	4.090	99	347203	114.98	ug/ml	0.00
Spiked Amount 150.000			Recovery =	76.65%		
20) Nitrobenzene-d5	4.993	82	290416	114.31	ug/ml	0.00
Spiked Amount 100.000			Recovery =	114.31%		
40) 2-Fluorobiphenyl	6.943	172	809717	110.78	ug/ml	0.00
Spiked Amount 100.000			Recovery =	110.78%		
60) 2,4,6-Tribromophenol	8.599	330	245510	106.06	ug/ml	0.00
Spiked Amount 150.000			Recovery =	70.71%		
72) Terphenyl-d14	10.789	244	1230363	109.22	ug/ml	0.00
Spiked Amount 100.000			Recovery =	109.22%		
Target Compounds						Qvalue
2) Pyridine	2.386	79	270977	116.45	ug/ml	100
3) n-Nitrosodimethylamine	2.348	74	155899	117.68	ug/ml	96
6) Phenol	4.101	94	355198	117.03	ug/ml	99
7) Aniline	4.133	93	370540	116.74	ug/ml	98
8) bis(2-Chloroethyl)ether	4.181	93	253377	112.15	ug/ml	96
9) 2-Chlorophenol	4.250	128	347838	116.12	ug/ml	98
10) 1,3-Dichlorobenzene	4.389	146	398767	114.47	ug/ml	99
11) 1,4-Dichlorobenzene	4.458	146	402889	111.56	ug/ml	99
12) 1,2-Dichlorobenzene	4.608	146	383323	112.80	ug/ml	100
13) Benzyl alcohol	4.571	108	205672	117.60	ug/ml	99
14) bis(2-chloroisopropyl)eth	4.693	45	306020	113.48	ug/ml#	88
15) 2-Methylphenol	4.683	108	290391	118.72	ug/ml	99
16) Hexachloroethane	4.945	117	157767	114.04	ug/ml	96
17) N-Nitrosodi-n-propylamine	4.832	70	190121	123.84	ug/ml	97
18) 3/4-Methylphenol	4.838	108	317801	125.28	ug/ml	98
21) Nitrobenzene	5.014	77	292669	119.04	ug/ml	97
22) Acetophenone	4.838	105	440622	122.97	ug/ml	99
23) Isophorone	5.260	82	527952	120.05	ug/ml	100
24) 2-Nitrophenol	5.340	139	197069	112.56	ug/ml	97
25) 2,4-Dimethylphenol	5.388	107	303980	117.29	ug/ml	98
26) bis(2-Chloroethoxy)methan	5.479	93	347850	115.42	ug/ml	99
27) 2,4-Dichlorophenol	5.607	162	332537	116.52	ug/ml	98
28) Benzoic acid	5.505	122	215289	125.57	ug/ml	94
29) 1,2,4-Trichlorobenzene	5.682	180	361641	112.07	ug/ml	99
30) Naphthalene	5.773	128	1012907	118.00	ug/ml	99
31) 2,6-Dichlorophenol	5.842	162	345435	121.61	ug/ml	92
32) 4-Chloroaniline	5.837	127	395974	122.29	ug/ml	98
33) Hexachlorobutadiene	5.895	225	227698	108.49	ug/ml	100

9-24-07

4/09/2008

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c092107\c092106.D
Acq On : 24 Sep 2007 5:23 pm
Sample : ,ical,svoa ical 100ug/ml,1,ab15-04 Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 24 18:22:05 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 17:37:04 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

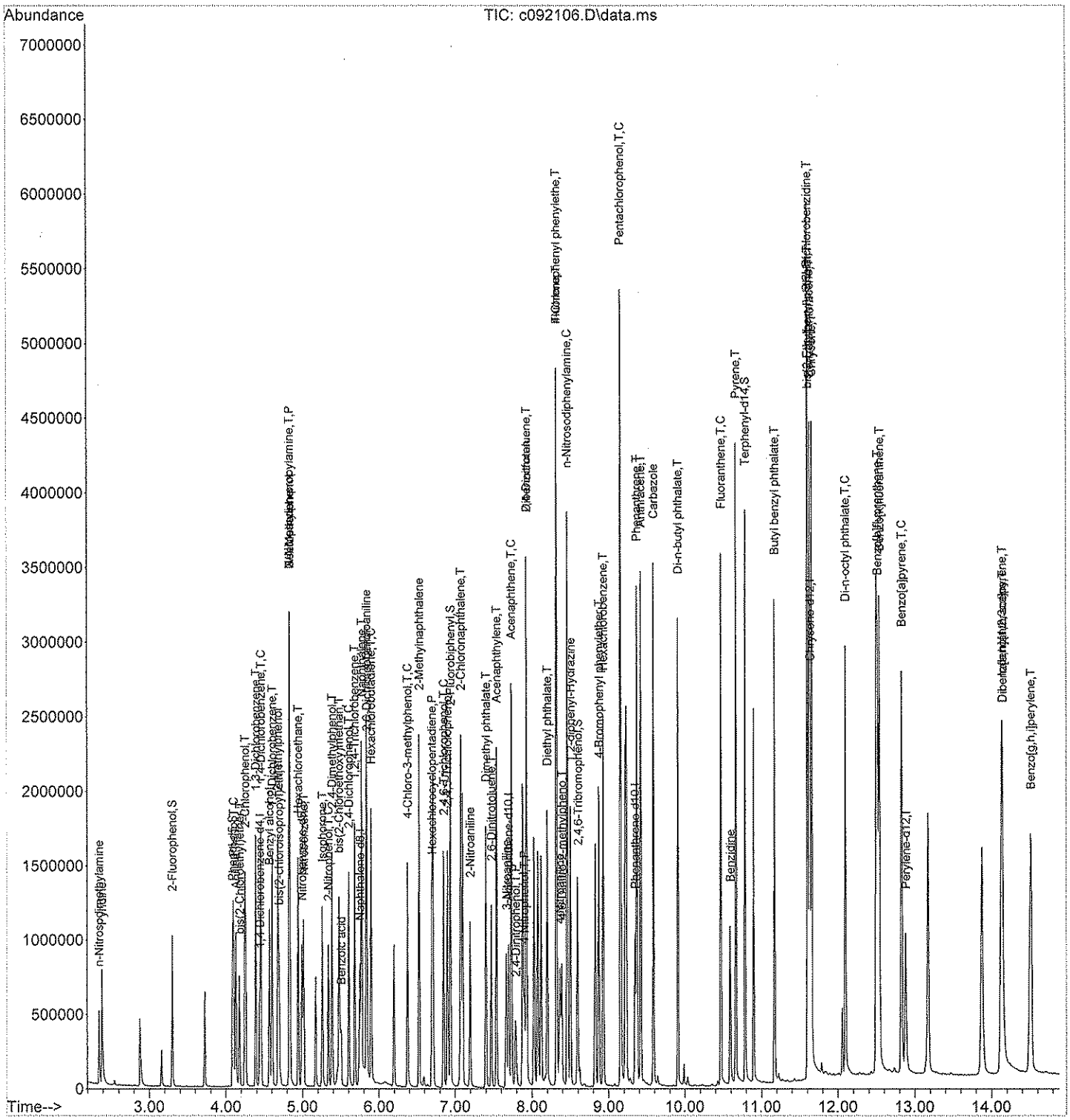
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
34) 4-Chloro-3-methylphenol	6.376	107	275487	123.78 ug/ml	99
35) 2-Methylnaphthalene	6.531	142	690354	118.34 ug/ml	99
37) Hexachlorocyclopentadiene	6.697	237	213756	111.92 ug/ml	100
38) 2,4,5-Trichlorophenol	6.900	196	285807	113.17 ug/ml	100
39) 2,4,6-Trichlorophenol	6.852	196	266711	113.44 ug/ml	99
41) 2-Chloronaphthalene	7.076	162	817045	110.70 ug/ml	99
42) 2-Nitroaniline	7.199	65	165854	126.11 ug/ml	95
43) Acenaphthylene	7.541	152	1108276	112.83 ug/ml	100
44) Dimethyl phthalate	7.402	163	837621	116.31 ug/ml	99
45) 2,6-Dinitrotoluene	7.471	165	191862	113.90 ug/ml	95
46) 3-Nitroaniline	7.669	138	203825	116.45 ug/ml	92
47) Acenaphthene	7.733	153	726043	117.97 ug/ml	99
48) 2,4-Dinitrophenol	7.787	184	107377	125.85 ug/ml	99
49) Dibenzofuran	7.931	168	1084354	119.79 ug/ml	96
50) 4-Nitrophenol	7.899	109	119481	126.94 ug/ml	97
51) 2,4-Dinitrotoluene	7.931	165	261906	123.02 ug/ml	98
52) Fluorene	8.321	166	883099	121.93 ug/ml	99
53) 4-Chlorophenyl phenylethe	8.321	204	436541	118.95 ug/ml	97
54) Diethyl phthalate	8.198	149	811762	114.94 ug/ml	99
55) 4-Nitroaniline	8.364	138	195436	120.13 ug/ml	99
57) 4,6-Dinitro-2-methylpheno	8.390	198	163832	115.09 ug/ml	95
58) n-Nitrosodiphenylamine	8.460	169	1103151	117.12 ug/ml	99
59) 1,2-diphenyl-Hydrazine	8.502	77	690594	120.55 ug/ml	95
61) 4-Bromophenyl phenylether	8.876	248	325629	111.82 ug/ml	97
62) Hexachlorobenzene	8.930	284	415125	112.50 ug/ml	94
63) Pentachlorophenol	9.154	266	249123	129.56 ug/ml	99
64) Phenanthrene	9.368	178	1327634	119.81 ug/ml	98
65) Anthracene	9.421	178	1328739	118.51 ug/ml	99
66) Carbazole	9.587	167	1387165	123.38 ug/ml	100
67) Di-n-butyl phthalate	9.907	149	1603364	120.11 ug/ml	99
68) Fluoranthene	10.474	202	1533002	119.33 ug/ml	97
70) Benzidine	10.591	184	461547	127.20 ug/ml	99
71) Pyrene	10.666	202	1598389	112.40 ug/ml	96
73) Butyl benzyl phthalate	11.173	149	745089	110.10 ug/ml	99
74) Benzo[a]anthracene	11.628	228	1484797	107.98 ug/ml	97
75) 3,3'-Dichlorobenzidine	11.601	252	717290	111.47 ug/ml	99
76) Chrysene	11.660	228	1333401	104.84 ug/ml	98
77) bis(2-Ethylhexyl)phthalat	11.606	149	1015628	112.45 ug/ml	98
79) Di-n-octyl phthalate	12.098	149	1652599	118.66 ug/ml	99
80) Benzo[b]fluoranthene	12.514	252	1585597	110.54 ug/ml	98
81) Benzo[k]fluoranthene	12.541	252	1411716	123.87 ug/ml	99
82) Benzo[a]pyrene	12.830	252	1401922	114.26 ug/ml	99
83) Indeno[1,2,3cd]pyrene	14.138	276	1611097	108.32 ug/ml	98
84) Dibenz[a,h]anthracene	14.144	278	967652	106.21 ug/ml	99
85) Benzo[g,h,i]perylene	14.512	276	1381300	105.98 ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c092107\c092106.D
Acq On : 24 Sep 2007 5:23 pm
Sample : ,ical,svoa ical 100ug/ml,1,ab15-04 Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 24 18:22:05 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 17:37:04 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M



Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c092107\c092107.D
Acq On : 24 Sep 2007 5:48 pm
Sample : ,ical,svoa ical 120ug/ml,1,ab15-05 Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 24 18:24:00 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:23:52 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.443	152	163570	40.00	ug/ml	0.00
19) Naphthalene-d8	5.752	136	574816	40.00	ug/ml	0.00
36) Acenaphthene-d10	7.702	164	358220	40.00	ug/ml	0.00
56) Phenanthrene-d10	9.347	188	641407	40.00	ug/ml	0.00
69) Chrysene-d12	11.645	240	911709	40.00	ug/ml	0.00
78) Perylene-d12	12.889	264	727356	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.305	112	588869	136.24	ug/ml	0.00
Spiked Amount 150.000			Recovery = 90.83%			
5) Phenol-d5	4.096	99	694282	133.72	ug/ml	0.00
Spiked Amount 150.000			Recovery = 89.15%			
20) Nitrobenzene-d5	4.999	82	560645	134.31	ug/ml	0.00
Spiked Amount 100.000			Recovery = 134.31%			
40) 2-Fluorobiphenyl	6.943	172	1489558	131.55	ug/ml	0.00
Spiked Amount 100.000			Recovery = 131.55%			
60) 2,4,6-Tribromophenol	8.600	330	493582	133.80	ug/ml	0.00
Spiked Amount 150.000			Recovery = 89.20%			
72) Terphenyl-d14	10.790	244	2389611	122.34	ug/ml	0.00
Spiked Amount 100.000			Recovery = 122.34%			
Target Compounds						Qvalue
2) Pyridine	2.392	79	569147	139.59	ug/ml	98
3) n-Nitrosodimethylamine	2.355	74	323046	139.89	ug/ml	95
6) Phenol	4.107	94	713357	135.78	ug/ml	98
7) Aniline	4.139	93	707916	127.49	ug/ml	96
8) bis(2-Chloroethyl)ether	4.182	93	517865	133.66	ug/ml	96
9) 2-Chlorophenol	4.256	128	691210	134.18	ug/ml	98
10) 1,3-Dichlorobenzene	4.390	146	794526	132.95	ug/ml	100
11) 1,4-Dichlorobenzene	4.459	146	834797	134.99	ug/ml	100
12) 1,2-Dichlorobenzene	4.609	146	756227	130.03	ug/ml	99
13) Benzyl alcohol	4.577	108	392920	130.56	ug/ml	98
14) bis(2-chloroisopropyl)eth	4.700	45	591896	126.97	ug/ml	90
15) 2-Methylphenol	4.689	108	568894	134.54	ug/ml	99
16) Hexachloroethane	4.945	117	322045	134.78	ug/ml	96
17) N-Nitrosodi-n-propylamine	4.839	70	339726	125.25	ug/ml	96
18) 3/4-Methylphenol	4.844	108	577854	129.63	ug/ml	98
21) Nitrobenzene	5.020	77	553664	135.15	ug/ml	94
22) Acetophenone	4.844	105	806930	134.93	ug/ml	96
23) Isophorone	5.271	82	962862	131.56	ug/ml	95
24) 2-Nitrophenol	5.346	139	389717	137.20	ug/ml	97
25) 2,4-Dimethylphenol	5.394	107	576549	135.29	ug/ml	98
26) bis(2-Chloroethoxy)methan	5.485	93	679681	137.15	ug/ml	98
27) 2,4-Dichlorophenol	5.608	162	642141	137.75	ug/ml	99
28) Benzoic acid	5.538	122	393781	141.05	ug/ml	92
29) 1,2,4-Trichlorobenzene	5.688	180	719190	137.58	ug/ml	99
30) Naphthalene	5.774	128	1912129	135.23	ug/ml	99
31) 2,6-Dichlorophenol	5.843	162	644054	137.06	ug/ml	98
32) 4-Chloroaniline	5.838	127	685489	126.64	ug/ml	98
33) Hexachlorobutadiene	5.896	225	463271	137.20	ug/ml	99

9-24-07

naphth

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c092107\c092107.D
Acq On : 24 Sep 2007 5:48 pm
Sample : ,ical,svoa ical 120ug/ml,1,ab15-05 Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 24 18:24:00 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:23:52 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

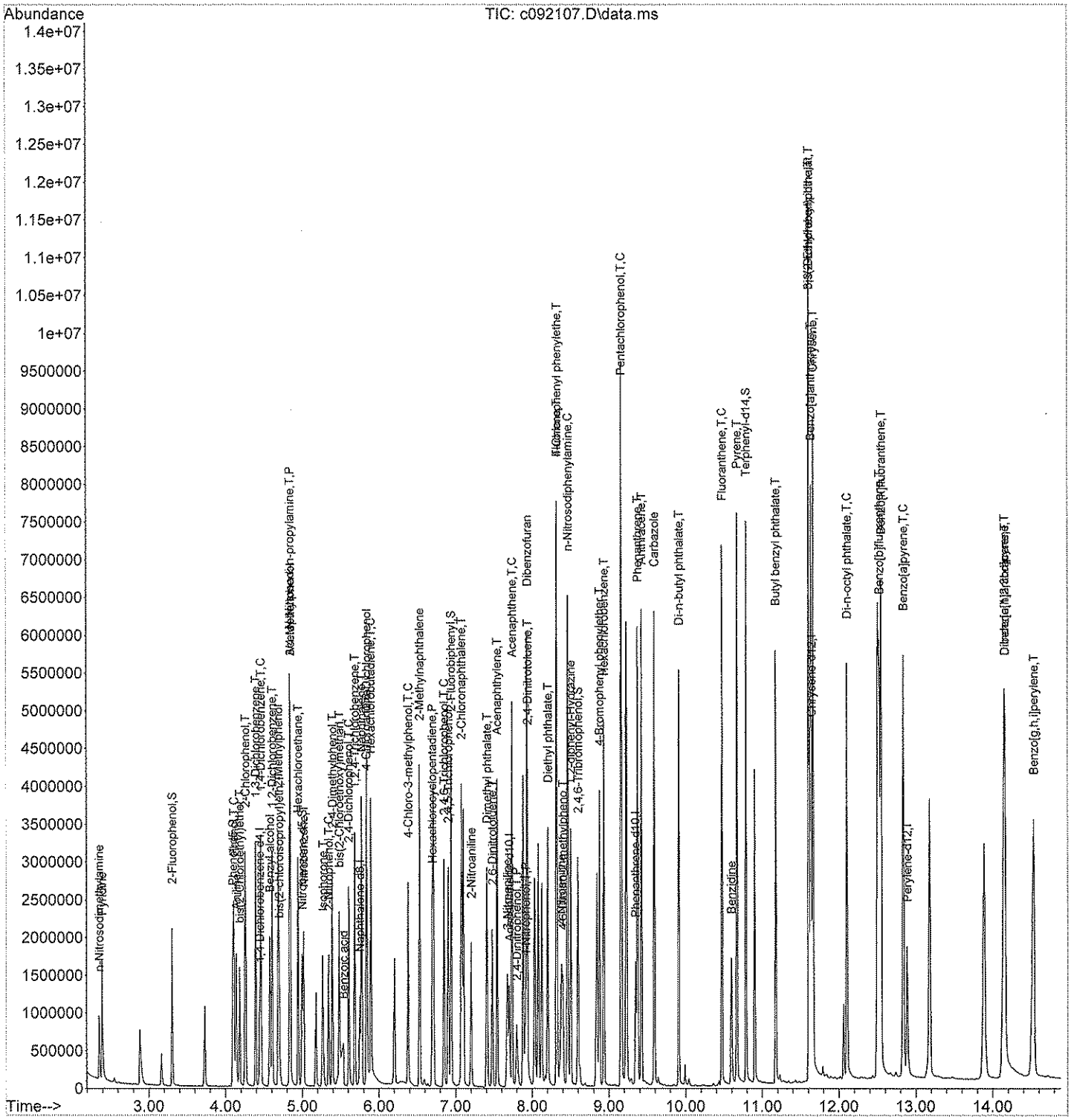
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) 4-Chloro-3-methylphenol	6.383	107	506624	137.30	ug/ml	98
35) 2-Methylnaphthalene	6.532	142	1306260	136.37	ug/ml	100
37) Hexachlorocyclopentadiene	6.698	237	430026	141.70	ug/ml	99
38) 2,4,5-Trichlorophenol	6.906	196	547540	138.78	ug/ml	99
39) 2,4,6-Trichlorophenol	6.853	196	503377	136.90	ug/ml	98
41) 2-Chloronaphthalene	7.077	162	1611151	139.33	ug/ml	98
42) 2-Nitroaniline	7.205	65	302719	141.37	ug/ml	90
43) Acenaphthylene	7.542	152	2063854	134.32	ug/ml	98
44) Dimethyl phthalate	7.408	163	1576759	138.94	ug/ml	99
45) 2,6-Dinitrotoluene	7.478	165	369120	139.79	ug/ml	98
46) 3-Nitroaniline	7.675	138	386391	139.57	ug/ml	93
47) Acenaphthene	7.739	153	1321405	135.30	ug/ml	99
48) 2,4-Dinitrophenol	7.798	184	225498	165.55	ug/ml	100
49) Dibenzofuran	7.937	168	1975064	137.42	ug/ml	93
50) 4-Nitrophenol	7.916	109	206195	133.18	ug/ml	95
51) 2,4-Dinitrotoluene	7.942	165	509770	149.99	ug/ml	89
52) Fluorene	8.327	166	1569069	135.39	ug/ml	98
53) 4-Chlorophenyl phenylethe	8.327	204	794644	136.99	ug/ml	98
54) Diethyl phthalate	8.210	149	1580580	141.88	ug/ml	98
55) 4-Nitroaniline	8.386	138	372038	143.70	ug/ml	97
57) 4,6-Dinitro-2-methylpheno	8.402	198	329826	142.42	ug/ml	97
58) n-Nitrosodiphenylamine	8.471	169	2065321	133.18	ug/ml	100
59) 1,2-diphenyl-Hydrazine	8.509	77	1273877	132.29	ug/ml	89
61) 4-Bromophenyl phenylether	8.877	248	631942	134.34	ug/ml	98
62) Hexachlorobenzene	8.936	284	802194	133.88	ug/ml	95
63) Pentachlorophenol	9.160	266	506707	158.25	ug/ml	98
64) Phenanthrene	9.374	178	2489606	135.51	ug/ml	98
65) Anthracene	9.428	178	2548310	137.67	ug/ml	99
66) Carbazole	9.593	167	2676068	142.26	ug/ml	100
67) Di-n-butyl phthalate	9.914	149	3098487	139.67	ug/ml	99
68) Fluoranthene	10.475	202	2876786	135.27	ug/ml	98
70) Benzidine	10.597	184	865235	125.71	ug/ml	99
71) Pyrene	10.672	202	3007320	120.88	ug/ml	96
73) Butyl benzyl phthalate	11.174	149	1546033	131.03	ug/ml	98
74) Benzo[a]anthracene	11.634	228	3023597	126.48	ug/ml	97
75) 3,3'-Dichlorobenzidine	11.607	252	1545798	136.92	ug/ml	99
76) Chrysene	11.666	228	2677675	120.95	ug/ml	97
77) bis(2-Ethylhexyl)phthalat	11.607	149	1865886	117.76	ug/ml	96
79) Di-n-octyl phthalate	12.104	149	3314810	133.50	ug/ml	98
80) Benzo[b]fluoranthene	12.526	252	3444360	136.66	ug/ml	97
81) Benzo[k]fluoranthene	12.553	252	2829715	137.65	ug/ml	98
82) Benzo[a]pyrene	12.841	252	2973276	137.28	ug/ml	98
83) Indeno[1,2,3cd]pyrene	14.155	276	3482100	134.88	ug/ml	97
84) Dibenz[a,h]anthracene	14.161	278	2157863	136.87	ug/ml	99
85) Benzo[g,h,i]perylene	14.535	276	2946677	130.19	ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c092107\c092107.D
Acq On : 24 Sep 2007 5:48 pm
Sample : ,ical,svoa ical 120ug/ml,1,ab15-05 Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 24 18:24:00 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:23:52 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M



Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c092107\c092108.D
Acq On : 24 Sep 2007 6:13 pm
Sample : ,ical,svoa ical 160ug/ml,1,ab15-06 Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 24 18:29:09 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:25:44 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.442	152	76327	40.00	ug/ml	0.00
19) Naphthalene-d8	5.751	136	296545	40.00	ug/ml	0.00
36) Acenaphthene-d10	7.700	164	188668	40.00	ug/ml	0.00
56) Phenanthrene-d10	9.346	188	329651	40.00	ug/ml	0.00
69) Chrysene-d12	11.638	240	486232	40.00	ug/ml	0.00
78) Perylene-d12	12.888	264	393442	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.304	112	375897	179.50	ug/ml	0.00
Spiked Amount 150.000			Recovery =	119.67%		
5) Phenol-d5	4.089	99	469955	186.98	ug/ml	0.00
Spiked Amount 150.000			Recovery =	124.65%		
20) Nitrobenzene-d5	4.997	82	390657	173.83	ug/ml	0.00
Spiked Amount 100.000			Recovery =	173.83%		
40) 2-Fluorobiphenyl	6.942	172	1065232	173.80	ug/ml	0.00
Spiked Amount 100.000			Recovery =	173.80%		
60) 2,4,6-Tribromophenol	8.598	330	330163	171.75	ug/ml	0.00
Spiked Amount 150.000			Recovery =	114.50%		
72) Terphenyl-d14	10.788	244	1697189	159.46	ug/ml	0.00
Spiked Amount 100.000			Recovery =	159.46%		
Target Compounds						Qvalue
2) Pyridine	2.385	79	352095	174.83	ug/ml	99
3) n-Nitrosodimethylamine	2.348	74	201327	177.28	ug/ml	97
6) Phenol	4.105	94	493118	192.24	ug/ml	97
7) Aniline	4.132	93	431620	159.19	ug/ml	97
8) bis(2-Chloroethyl)ether	4.180	93	341297	181.64	ug/ml	96
9) 2-Chlorophenol	4.249	128	456076	182.31	ug/ml	96
10) 1,3-Dichlorobenzene	4.388	146	511962	176.72	ug/ml	100
11) 1,4-Dichlorobenzene	4.458	146	532079	176.92	ug/ml	99
12) 1,2-Dichlorobenzene	4.607	146	495125	176.40	ug/ml	99
13) Benzyl alcohol	4.575	108	270551	187.26	ug/ml	96
14) bis(2-chloroisopropyl)eth	4.698	45	396899	175.37	ug/ml	95
15) 2-Methylphenol	4.682	108	385515	187.80	ug/ml	100
16) Hexachloroethane	4.944	117	201806	173.02	ug/ml	97
17) N-Nitrosodi-n-propylamine	4.832	70	242867	182.85	ug/ml	98
18) 3/4-Methylphenol	4.837	108	413367	189.89	ug/ml	98
21) Nitrobenzene	5.013	77	389198	174.76	ug/ml	100
22) Acetophenone	4.837	105	572166	175.49	ug/ml	100
23) Isophorone	5.264	82	682811	173.14	ug/ml	97
24) 2-Nitrophenol	5.345	139	266872	175.71	ug/ml	97
25) 2,4-Dimethylphenol	5.387	107	402746	175.24	ug/ml	98
26) bis(2-Chloroethoxy)methan	5.483	93	470394	175.74	ug/ml	99
27) 2,4-Dichlorophenol	5.606	162	441777	177.09	ug/ml	99
28) Benzoic acid	5.521	122	285058	194.53	ug/ml	95
29) 1,2,4-Trichlorobenzene	5.686	180	482888	172.58	ug/ml	99
30) Naphthalene	5.772	128	1333490	174.74	ug/ml	99
31) 2,6-Dichlorophenol	5.841	162	458348	180.93	ug/ml	96
32) 4-Chloroaniline	5.836	127	464851	158.46	ug/ml	99
33) Hexachlorobutadiene	5.900	225	304678	169.33	ug/ml	99

9-24-07

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c092107\c092108.D
Acq On : 24 Sep 2007 6:13 pm
Sample : ,ical,svoa ical 160ug/ml,1,ab15-06 Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 24 18:29:09 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:25:44 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
34) 4-Chloro-3-methylphenol	6.381	107	353737	177.90 ug/ml	97
35) 2-Methylnaphthalene	6.530	142	923383	179.22 ug/ml	100
37) Hexachlorocyclopentadiene	6.696	237	270841	163.05 ug/ml	98
38) 2,4,5-Trichlorophenol	6.904	196	381298	177.19 ug/ml	99
39) 2,4,6-Trichlorophenol	6.851	196	354088	176.75 ug/ml	98
41) 2-Chloronaphthalene	7.075	162	1125953	177.87 ug/ml	99
42) 2-Nitroaniline	7.204	65	211698	176.50 ug/ml	89
43) Acenaphthylene	7.540	152	1442221	171.96 ug/ml	99
44) Dimethyl phthalate	7.407	163	1082196	173.55 ug/ml	100
45) 2,6-Dinitrotoluene	7.476	165	254057	176.49 ug/ml	94
46) 3-Nitroaniline	7.674	138	268999	177.15 ug/ml	92
47) Acenaphthene	7.738	153	946877	176.06 ug/ml	99
48) 2,4-Dinitrophenol	7.791	184	146156	193.85 ug/ml	98
49) Dibenzofuran	7.935	168	1401886	176.67 ug/ml	97
50) 4-Nitrophenol	7.909	109	162121	189.19 ug/ml	98
51) 2,4-Dinitrotoluene	7.935	165	348335	183.55 ug/ml	97
52) Fluorene	8.320	166	1121912	174.64 ug/ml	99
53) 4-Chlorophenyl phenylethe	8.325	204	558165	175.06 ug/ml	99
54) Diethyl phthalate	8.203	149	1091356	177.46 ug/ml	100
55) 4-Nitroaniline	8.373	138	246877	173.48 ug/ml	97
57) 4,6-Dinitro-2-methylpheno	8.395	198	220912	181.27 ug/ml	95
58) n-Nitrosodiphenylamine	8.464	169	1466687	176.68 ug/ml	100
59) 1,2-diphenyl-Hydrazine	8.502	77	882059	168.91 ug/ml	96
61) 4-Bromophenyl phenylether	8.876	248	430052	172.95 ug/ml	98
62) Hexachlorobenzene	8.934	284	554612	174.76 ug/ml	98
63) Pentachlorophenol	9.159	266	347653	200.79 ug/ml	98
64) Phenanthrene	9.372	178	1779721	179.40 ug/ml	99
65) Anthracene	9.426	178	1791171	179.82 ug/ml	99
66) Carbazole	9.591	167	1914735	188.04 ug/ml	99
67) Di-n-butyl phthalate	9.907	149	2130400	177.09 ug/ml	99
68) Fluoranthene	10.473	202	2083913	182.46 ug/ml	100
70) Benzidine	10.596	184	523994	132.83 ug/ml	99
71) Pyrene	10.671	202	2191367	161.29 ug/ml	93
73) Butyl benzyl phthalate	11.173	149	1053209	161.67 ug/ml	96
74) Benzo[a]anthracene	11.632	228	2107530	159.94 ug/ml	98
75) 3,3'-Dichlorobenzidine	11.605	252	1062452	168.67 ug/ml	99
76) Chrysene	11.664	228	1948203	160.60 ug/ml	97
77) bis(2-Ethylhexyl)phthalat	11.605	149	1378502	158.47 ug/ml	98
79) Di-n-octyl phthalate	12.102	149	2356834	168.74 ug/ml	99
80) Benzo[b]fluoranthene	12.524	252	2655051	187.87 ug/ml	98
81) Benzo[k]fluoranthene	12.546	252	1869081	161.23 ug/ml	98
82) Benzo[a]pyrene	12.834	252	2072587	171.03 ug/ml	98
83) Indeno[1,2,3cd]pyrene	14.143	276	2468976	173.37 ug/ml	98
84) Dibenz[a,h]anthracene	14.154	278	1568947	180.82 ug/ml	98
85) Benzo[g,h,i]perylene	14.522	276	2046304	164.83 ug/ml	98

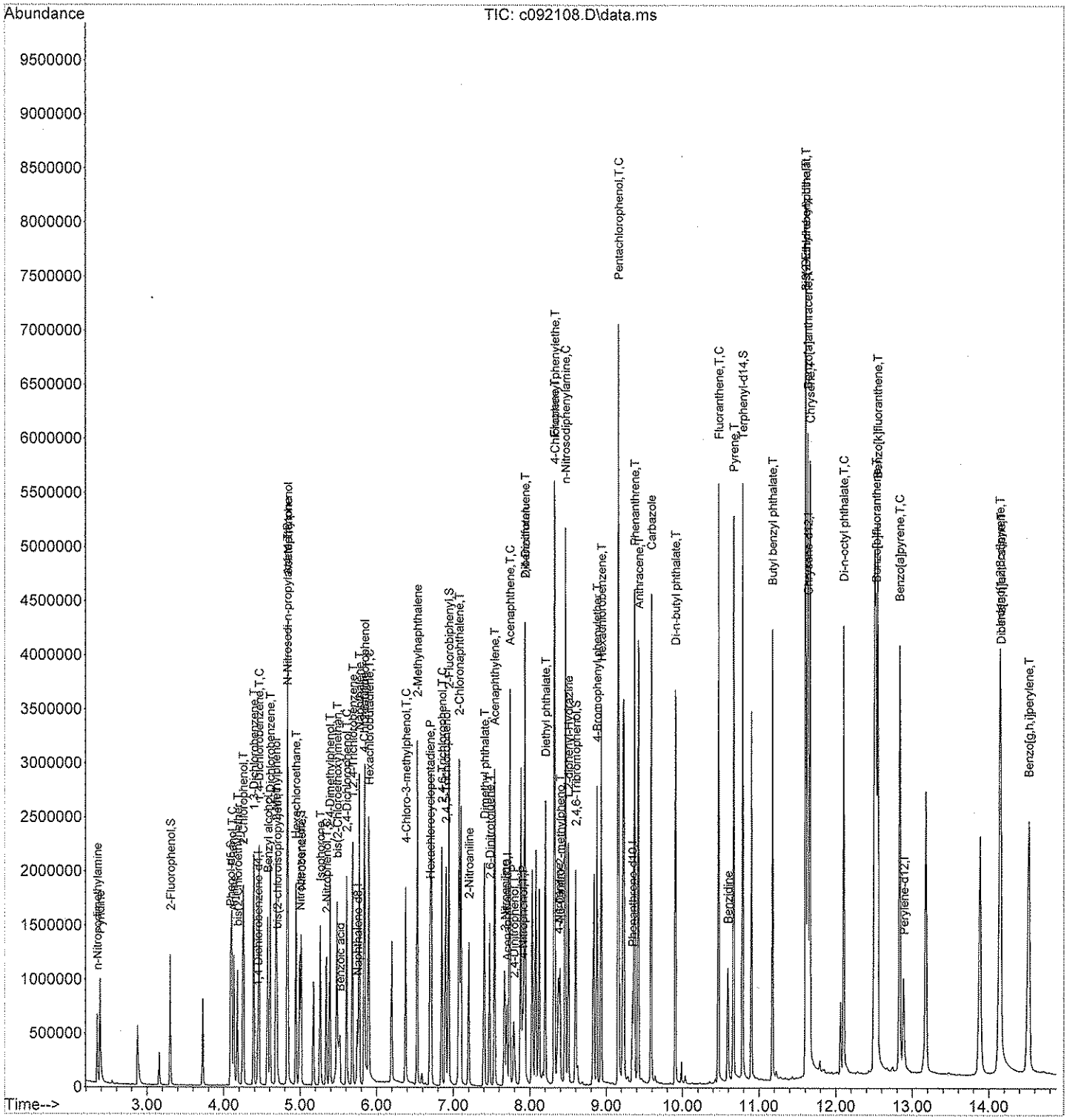
(#) = qualifier out of range (m) = manual integration (+) = signals summed

9/24/07

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c092107\c092108.D
Acq On : 24 Sep 2007 6:13 pm
Sample : ,ical,svoa ical 160ug/ml,1,ab15-06 Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 24 18:29:09 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:25:44 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M



CONTINUING CALIBRATION RAW DATA

Evaluate Continuing Calibration Report

Data File: C:\msdchem\1\DATA\C\c100807\c100802.D
Acq On : 8 Oct 2007 5:58 pm
Sample : ,ccv,svoa ccv 80ug/ml,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 18:20:40 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	75	-0.04
2		Pyridine	1.116	1.221	-9.4	88	-0.06
3		n-Nitrosodimethylamine	0.625	0.696	-11.4	85	-0.06
4	S	2-Fluorophenol	1.145	1.125	1.7	78	-0.02
5	S	Phenol-d5	1.387	1.449	-4.5	82	-0.01
6	T,C	Phenol	1.431	1.635	-14.3	87	-0.01
7		Aniline	1.496	1.643	-9.8	84	-0.04
8	T	bis(2-Chloroethyl)ether	1.031	1.014	1.6	76	-0.03
9	T	2-Chlorophenol	1.378	1.463	-6.2	82	-0.03
10	T	1,3-Dichlorobenzene	1.590	1.596	-0.4	78	-0.04
11	T,C	1,4-Dichlorobenzene	1.652	1.678	-1.6	79	-0.04
12	T	1,2-Dichlorobenzene	1.541	1.551	-0.6	77	-0.04
13		Benzyl alcohol	0.791	0.839	-6.1	82	-0.03
14	T	bis(2-chloroisopropyl)eth	1.253	1.212	3.3	75	-0.04
15		2-Methylphenol	1.135	1.240	-9.3	83	-0.02
16	T	Hexachloroethane	0.642	0.648	-0.9	78	-0.04
17	T,P	N-Nitrosodi-n-propylamine	0.746	0.818	-9.7	80	-0.03
18		3/4-Methylphenol	1.222	1.291	-5.6	78	-0.01
19	I	Naphthalene-d8	1.000	1.000	0.0	78	-0.04
20	S	Nitrobenzene-d5	0.317	0.320	-0.9	81	-0.03
21	T	Nitrobenzene	0.318	0.321	-0.9	81	-0.04
22		Acetophenone	0.468	0.488	-4.3	81	-0.03
23	T	Isophorone	0.558	0.581	-4.1	82	-0.04
24	T,C	2-Nitrophenol	0.212	0.213	-0.5	80	-0.03
25	T	2,4-Dimethylphenol	0.325	0.347	-6.8	85	-0.02
26	T	bis(2-Chloroethoxy)methan	0.380	0.380	0.0	80	-0.03
27	T,C	2,4-Dichlorophenol	0.350	0.377	-7.7	86	-0.02
28		Benzoic acid	0.203	0.226	-11.3	81	0.00
29	T	1,2,4-Trichlorobenzene	0.392	0.400	-2.0	82	-0.03
30	T	Naphthalene	1.082	1.119	-3.4	82	-0.04
31		2,6-Dichlorophenol	0.359	0.394	-9.7	86	-0.03
32		4-Chloroaniline	0.420	0.485	-15.5	89	-0.03
33	T,C	Hexachlorobutadiene	0.250	0.253	-1.2	81	-0.04
34	T,C	4-Chloro-3-methylphenol	0.281	0.325	-15.7	90	-0.01
35		2-Methylnaphthalene	0.731	0.796	-8.9	87	-0.04
36	I	Acenaphthene-d10	1.000	1.000	0.0	86	-0.04
37	P	Hexachlorocyclopentadiene	0.362	0.257	29.0#	64	-0.04
38		2,4,5-Trichlorophenol	0.473	0.519	-9.7	98	-0.02
39	T,C	2,4,6-Trichlorophenol	0.441	0.443	-0.5	90	-0.03
40	S	2-Fluorobiphenyl	1.347	1.356	-0.7	91	-0.03
41	T	2-Chloronaphthalene	1.404	1.352	3.7	86	-0.04
42		2-Nitroaniline	0.270	0.291	-7.8	95	-0.03
43	T	Acenaphthylene	1.849	1.921	-3.9	91	-0.04
44	T	Dimethyl phthalate	1.373	1.478	-7.6	96	-0.04
45	T	2,6-Dinitrotoluene	0.316	0.344	-8.9	96	-0.03

Evaluate Continuing Calibration Report

Data File: C:\msdchem\1\DATA\C\c100807\c100802.D
Acq On : 8 Oct 2007 5:58 pm
Sample : ,ccv,svoa ccv 80ug/ml,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 18:20:40 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
46		3-Nitroaniline	0.334	0.373	-11.7	98	-0.03	
47	T,C	Acenaphthene	1.200	1.274	-6.2	93	-0.03	
48	T,P	2,4-Dinitrophenol	0.162	0.181	-11.7	94	-0.03	
49		Dibenzofuran	1.773	1.951	-10.0	96	-0.04	
50	T,P	4-Nitrophenol	0.194	0.221	-13.9	98	0.00	
51	T	2,4-Dinitrotoluene	0.424	0.508	-19.8	104	-0.04	
52	T	Fluorene	1.442	1.661	-15.2	99	-0.04	
53	T	4-Chlorophenyl phenylethe	0.709	0.791	-11.6	96	-0.04	
54	T	Diethyl phthalate	1.366	1.536	-12.4	98	-0.03	
55		4-Nitroaniline	0.312	0.364	-16.7	103	-0.03	
56	I	Phenanthrene-d10	1.000	1.000	0.0	95	-0.03	
57	T	4,6-Dinitro-2-methylpheno	0.150	0.155	-3.3	99	-0.04	
58	C	n-Nitrosodiphenylamine	1.059	1.114	-5.2	100	-0.03	
59		1,2-diphenyl-Hydrazine	0.671	0.669	0.3	96	-0.04	
60	S	2,4,6-Tribromophenol	0.236	0.237	-0.4	97	-0.03	
61	T	4-Bromophenyl phenylether	0.311	0.308	1.0	96	-0.03	
62	T	Hexachlorobenzene	0.397	0.408	-2.8	101	-0.03	
63	T,C	Pentachlorophenol	0.220	0.187	15.0	81	-0.03	
64	T	Phenanthrene	1.273	1.370	-7.6	104	-0.03	
65	T	Anthracene	1.278	1.359	-6.3	103	-0.03	
66		Carbazole	1.324	1.432	-8.2	101	-0.03	
67	T	Di-n-butyl phthalate	1.547	1.762	-13.9	111	-0.03	
68	T,C	Fluoranthene	1.467	1.627	-10.9	109	-0.03	
69	I	Chrysene-d12	1.000	1.000	0.0	110	-0.03	
70		Benzidine	0.378	0.346	8.5	103	-0.03	
71	T	Pyrene	1.154	1.193	-3.4	114	-0.03	
72	S	Terphenyl-d14	0.899	0.954	-6.1	116	-0.03	
73	T	Butyl benzyl phthalate	0.555	0.615	-10.8	123	-0.03	
74	T	Benzo[a]anthracene	1.117	1.202	-7.6	121	-0.03	
75	T	3,3'-Dichlorobenzidine	0.542	0.600	-10.7	119	-0.03	
76	T	Chrysene	1.031	1.055	-2.3	108	-0.03	
77	T	bis(2-Ethylhexyl)phthalat	0.749	0.910	-21.5#	133	-0.03	625
78	I	Perylene-d12	1.000	1.000	0.0	116	-0.04	
79	T,C	Di-n-octyl phthalate	1.491	1.671	-12.1	132	-0.03	
80	T	Benzo[b]fluoranthene	1.503	1.651	-9.8	130	-0.04	
81	T	Benzo[k]fluoranthene	1.237	1.398	-13.0	133	-0.03	
82	T,C	Benzo[a]pyrene	1.278	1.411	-10.4	130	-0.04	
83	T	Indeno[1,2,3cd]pyrene	1.488	1.748	-17.5	139	-0.06	
84	T	Dibenz[a,h]anthracene	0.913	1.101	-20.6#	144	-0.06	625
85	T	Benzo[g,h,i]perylene	1.285	1.503	-17.0	139	-0.06	

(#) = Out of Range SPCC's out = 0 CCC's out = 0

10 Oct 2007

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100802.D
Acq On : 8 Oct 2007 5:58 pm
Sample : ,ccv,svoa ccv 80ug/ml,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 18:20:40 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.407	152	65026	40.00	ug/ml	-0.04
19) Naphthalene-d8	5.716	136	254670	40.00	ug/ml	-0.04
36) Acenaphthene-d10	7.661	164	178997	40.00	ug/ml	-0.04
56) Phenanthrene-d10	9.311	188	336471	40.00	ug/ml	-0.03
69) Chrysene-d12	11.614	240	502529	40.00	ug/ml	-0.03
78) Perylene-d12	12.848	264	435992	40.00	ug/ml	-0.04
System Monitoring Compounds						
4) 2-Fluorophenol	3.280	112	146283	78.59	ug/ml	-0.02
Spiked Amount 150.000			Recovery =	52.39%		
5) Phenol-d5	4.082	99	188508	83.60	ug/ml	-0.01
Spiked Amount 150.000			Recovery =	55.73%		
20) Nitrobenzene-d5	4.963	82	163183	80.86	ug/ml	-0.03
Spiked Amount 100.000			Recovery =	80.86%		
40) 2-Fluorobiphenyl	6.907	172	485335	80.50	ug/ml	-0.03
Spiked Amount 100.000			Recovery =	80.50%		
60) 2,4,6-Tribromophenol	8.564	330	159348	80.33	ug/ml	-0.03
Spiked Amount 150.000			Recovery =	53.55%		
72) Terphenyl-d14	10.759	244	959193	84.93	ug/ml	-0.03
Spiked Amount 100.000			Recovery =	84.93%		
Target Compounds						Qvalue
2) Pyridine	2.335	79	158753	87.50	ug/ml	97
3) n-Nitrosodimethylamine	2.297	74	90533	89.04	ug/ml	95
6) Phenol	4.092	94	212670	91.41	ug/ml#	75
7) Aniline	4.098	93	213627	87.85	ug/ml#	57
8) bis(2-Chloroethyl)ether	4.146	93	131934	78.68	ug/ml	97
9) 2-Chlorophenol	4.226	128	190313	84.97	ug/ml	100
10) 1,3-Dichlorobenzene	4.354	146	207559	80.32	ug/ml	99
11) 1,4-Dichlorobenzene	4.423	146	218263	81.27	ug/ml	98
12) 1,2-Dichlorobenzene	4.573	146	201699	80.52	ug/ml	99
13) Benzyl alcohol	4.546	108	109097	84.82	ug/ml	99
14) bis(2-chloroisopropyl)eth	4.658	45	157602	77.40	ug/ml#	57
15) 2-Methylphenol	4.669	108	161261	87.38	ug/ml	98
16) Hexachloroethane	4.910	117	84330	80.76	ug/ml	96
17) N-Nitrosodi-n-propylamine	4.797	70	106352	87.66	ug/ml	96
18) 3/4-Methylphenol	4.824	108	167905	84.51	ug/ml	96
21) Nitrobenzene	4.979	77	163460	80.82	ug/ml	100
22) Acetophenone	4.803	105	248651	83.43	ug/ml	84
23) Isophorone	5.225	82	295821	83.30	ug/ml	97
24) 2-Nitrophenol	5.310	139	108406	80.14	ug/ml	97
25) 2,4-Dimethylphenol	5.369	107	176682	85.38	ug/ml	97
26) bis(2-Chloroethoxy)methan	5.449	93	193628	80.11	ug/ml	97
27) 2,4-Dichlorophenol	5.588	162	191914	86.08	ug/ml	97
28) Benzoic acid	5.497	122	114939	89.02	ug/ml	92
29) 1,2,4-Trichlorobenzene	5.652	180	203866	81.76	ug/ml	99
30) Naphthalene	5.738	128	569719	82.68	ug/ml	100
31) 2,6-Dichlorophenol	5.812	162	200783	87.77	ug/ml	100
32) 4-Chloroaniline	5.807	127	246824	92.29	ug/ml	100
33) Hexachlorobutadiene	5.860	225	128824	80.98	ug/ml	99

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100802.D
Acq On : 8 Oct 2007 5:58 pm
Sample : ,ccv,svoa ccv 80ug/ml,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 18:20:40 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

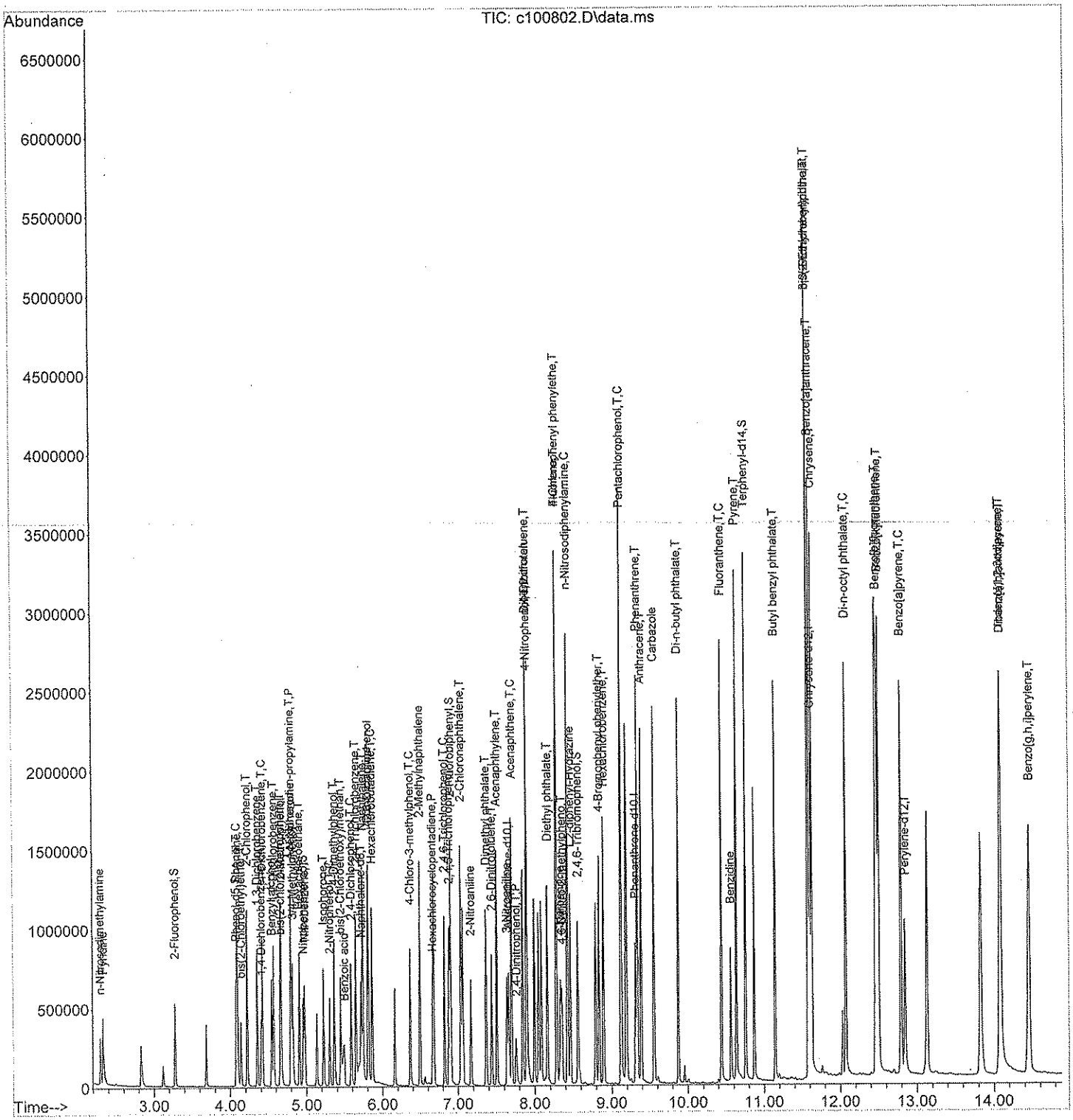
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
34) 4-Chloro-3-methylphenol	6.368	107	165710	92.50 ug/ml	98
35) 2-Methylnaphthalene	6.496	142	405662	87.18 ug/ml	99
37) Hexachlorocyclopentadiene	6.662	237	91878	56.65 ug/ml	99
38) 2,4,5-Trichlorophenol	6.886	196	185657	87.70 ug/ml	99
39) 2,4,6-Trichlorophenol	6.822	196	158651	80.46 ug/ml	99
41) 2-Chloronaphthalene	7.041	162	484179	77.08 ug/ml	99
42) 2-Nitroaniline	7.169	65	104315	86.47 ug/ml	98
43) Acenaphthylene	7.506	152	687582	83.12 ug/ml	99
44) Dimethyl phthalate	7.367	163	529284	86.14 ug/ml	100
45) 2,6-Dinitrotoluene	7.442	165	123100	87.16 ug/ml	99
46) 3-Nitroaniline	7.639	138	133428	89.23 ug/ml	95
47) Acenaphthene	7.703	153	456135	84.94 ug/ml	98
48) 2,4-Dinitrophenol	7.762	184	64786	89.10 ug/ml	100
49) Dibenzofuran	7.896	168	698288	87.99 ug/ml	86
50) 4-Nitrophenol	7.901	109	78938	91.09 ug/ml#	1
51) 2,4-Dinitrotoluene	7.896	165	181733	95.73 ug/ml	79
52) Fluorene	8.286	166	594504	92.12 ug/ml	100
53) 4-Chlorophenyl phenylethe	8.286	204	283227	89.33 ug/ml	95
54) Diethyl phthalate	8.168	149	549925	89.97 ug/ml	100
55) 4-Nitroaniline	8.339	138	130178	93.23 ug/ml	94
57) 4,6-Dinitro-2-methylpheno	8.355	198	104611	82.72 ug/ml	96
58) n-Nitrosodiphenylamine	8.430	169	749567	84.15 ug/ml	99
59) 1,2-diphenyl-Hydrazine	8.467	77	450377	79.77 ug/ml	98
61) 4-Bromophenyl phenylether	8.841	248	207093	79.18 ug/ml	98
62) Hexachlorobenzene	8.900	284	274507	82.11 ug/ml	98
63) Pentachlorophenol	9.130	266	125551	67.91 ug/ml	98
64) Phenanthrene	9.338	178	921915	86.08 ug/ml	99
65) Anthracene	9.392	178	914440	85.09 ug/ml	100
66) Carbazole	9.563	167	963562	86.50 ug/ml	100
67) Di-n-butyl phthalate	9.878	149	1185787	91.14 ug/ml	99
68) Fluoranthene	10.444	202	1094671	88.73 ug/ml	95
70) Benzidine	10.562	184	347291	73.19 ug/ml	99
71) Pyrene	10.636	202	1199428	82.70 ug/ml	95
73) Butyl benzyl phthalate	11.144	149	618348	88.74 ug/ml	92
74) Benzo[a]anthracene	11.603	228	1208456	86.10 ug/ml	98
75) 3,3'-Dichlorobenzidine	11.576	252	602772	88.50 ug/ml	99
76) Chrysene	11.635	228	1059954	81.80 ug/ml	98
77) bis(2-Ethylhexyl)phthalat	11.576	149	914450	97.23 ug/ml	99
79) Di-n-octyl phthalate	12.073	149	1457032	89.64 ug/ml	99
80) Benzo[b]fluoranthene	12.485	252	1439555	87.87 ug/ml	98
81) Benzo[k]fluoranthene	12.511	252	1218749	90.39 ug/ml	99
82) Benzo[a]pyrene	12.795	252	1230605	88.35 ug/ml	99
83) Indeno[1,2,3cd]pyrene	14.087	276	1523899	93.96 ug/ml	97
84) Dibenz[a,h]anthracene	14.093	278	959904	96.51 ug/ml	99
85) Benzo[g,h,i]perylene	14.461	276	1310773	93.57 ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100802.D
Acq On : 8 Oct 2007 5:58 pm
Sample : ,ccv,svoa ccv 80ug/ml,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 18:20:40 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M



SAMPLE RAW DATA

Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100806.D
Acq On : 8 Oct 2007 7:40 pm
Sample : ,samp,me0610178-02b,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Oct 08 22:13:08 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.405	152	90307	40.00	ug/ml	-0.04
19) Naphthalene-d8	5.714	136	318508	40.00	ug/ml	-0.04
36) Acenaphthene-d10	7.659	164	204497	40.00	ug/ml	-0.04
56) Phenanthrene-d10	9.309	188	365282	40.00	ug/ml	-0.04
69) Chrysene-d12	11.607	240	498438	40.00	ug/ml	-0.03
78) Perylene-d12	12.841	264	452700	40.00	ug/ml	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	3.278	112	139591	54.00	ug/ml	-0.03
Spiked Amount 150.000			Recovery = 36.00%			
5) Phenol-d5	4.080	99	108696	34.71	ug/ml	-0.01
Spiked Amount 150.000			Recovery = 23.14%			
20) Nitrobenzene-d5	4.956	82	143147	56.72	ug/ml	-0.04
Spiked Amount 100.000			Recovery = 56.72%			
40) 2-Fluorobiphenyl	6.906	172	407429	59.15	ug/ml	-0.04
Spiked Amount 100.000			Recovery = 59.15%			
60) 2,4,6-Tribromophenol	8.562	330	231816	107.65	ug/ml	-0.04
Spiked Amount 150.000			Recovery = 71.77%			
72) Terphenyl-d14	10.757	244	842331	75.20	ug/ml	-0.03
Spiked Amount 100.000			Recovery = 75.20%			
Target Compounds						Qvalue
82) Benzo[a]pyrene	12.782	252	15300	1.06	ug/ml	95
83) Indeno[1,2,3cd]pyrene	14.064	276	19720	1.17	ug/ml	93
84) Dibenz[a,h]anthracene	14.075	278	17710	1.71	ug/ml#	91
85) Benzo[g,h,i]perylene	14.438	276	17759	1.22	ug/ml	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

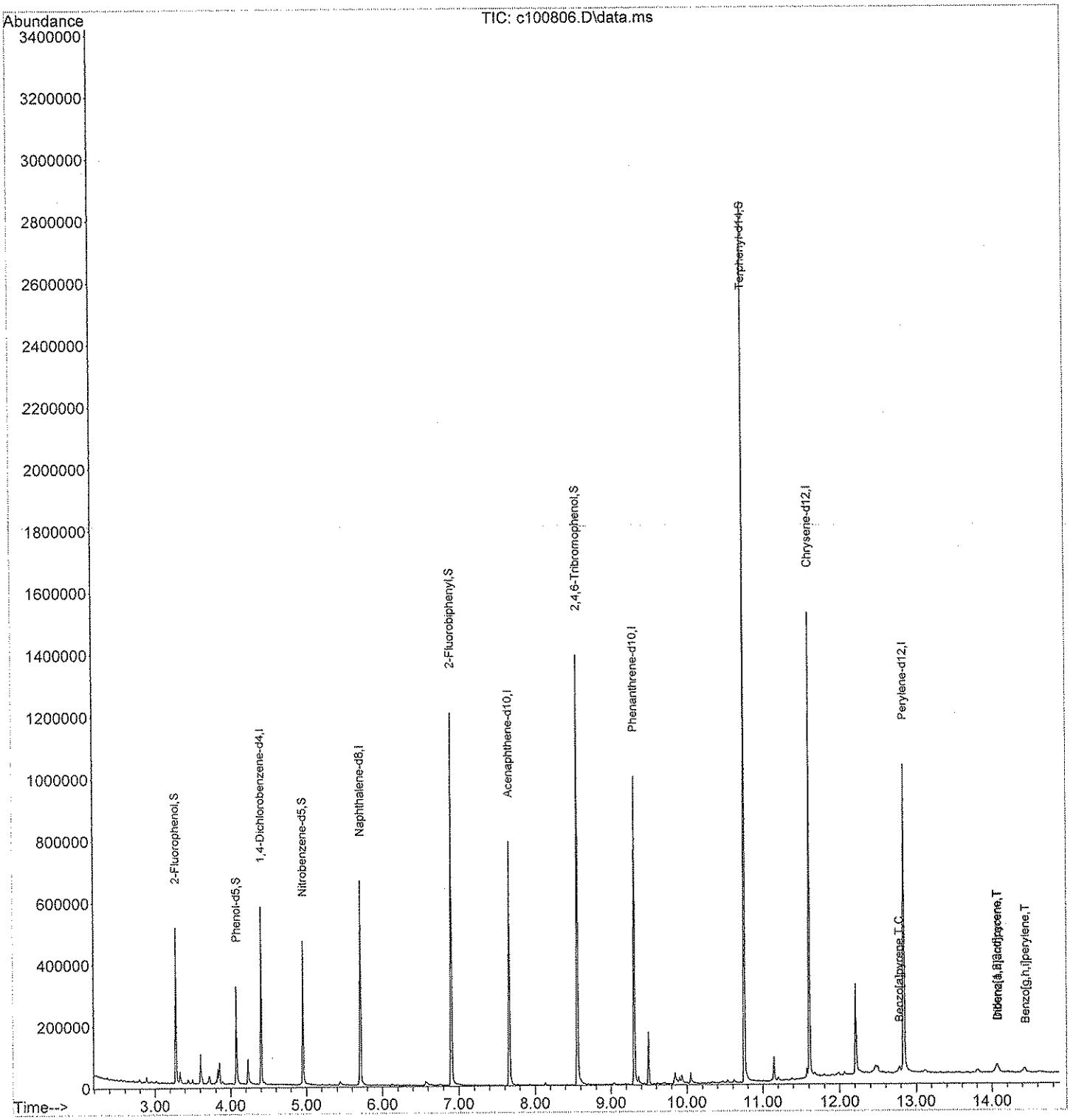
10-9-07

10/10/07

Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100806.D
Acq On : 8 Oct 2007 7:40 pm
Sample : ,samp,me0610178-02b,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Oct 08 22:13:08 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M



Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100807.D
Acq On : 8 Oct 2007 8:29 pm
Sample : ,samp,me0610178-03b,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 70 Sample Multiplier: 1

Quant Time: Oct 08 22:13:13 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.406	152	82057	40.00	ug/ml	-0.04
19) Naphthalene-d8	5.714	136	294673	40.00	ug/ml	-0.04
36) Acenaphthene-d10	7.659	164	201992	40.00	ug/ml	-0.04
56) Phenanthrene-d10	9.310	188	382976	40.00	ug/ml	-0.04
69) Chrysene-d12	11.607	240	497169	40.00	ug/ml	-0.03
78) Perylene-d12	12.841	264	446533	40.00	ug/ml	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	3.278	112	127488	54.28	ug/ml	-0.03
Spiked Amount 150.000			Recovery = 36.19%			
5) Phenol-d5	4.080	99	95698	33.63	ug/ml	-0.01
Spiked Amount 150.000			Recovery = 22.42%			
20) Nitrobenzene-d5	4.956	82	127355	54.54	ug/ml	-0.04
Spiked Amount 100.000			Recovery = 54.54%			
40) 2-Fluorobiphenyl	6.906	172	378424	55.62	ug/ml	-0.04
Spiked Amount 100.000			Recovery = 55.62%			
60) 2,4,6-Tribromophenol	8.562	330	229812	101.79	ug/ml	-0.04
Spiked Amount 150.000			Recovery = 67.86%			
72) Terphenyl-d14	10.757	244	849138	76.00	ug/ml	-0.03
Spiked Amount 100.000			Recovery = 76.00%			
Target Compounds						Qvalue
82) Benzo[a]pyrene	12.782	252	20999	1.47	ug/ml	97
83) Indeno[1,2,3cd]pyrene	14.059	276	24353	1.47	ug/ml	94
84) Dibenz[a,h]anthracene	14.075	278	16327	1.60	ug/ml	88
85) Benzo[g,h,i]perylene	14.433	276	20070	1.40	ug/ml	99

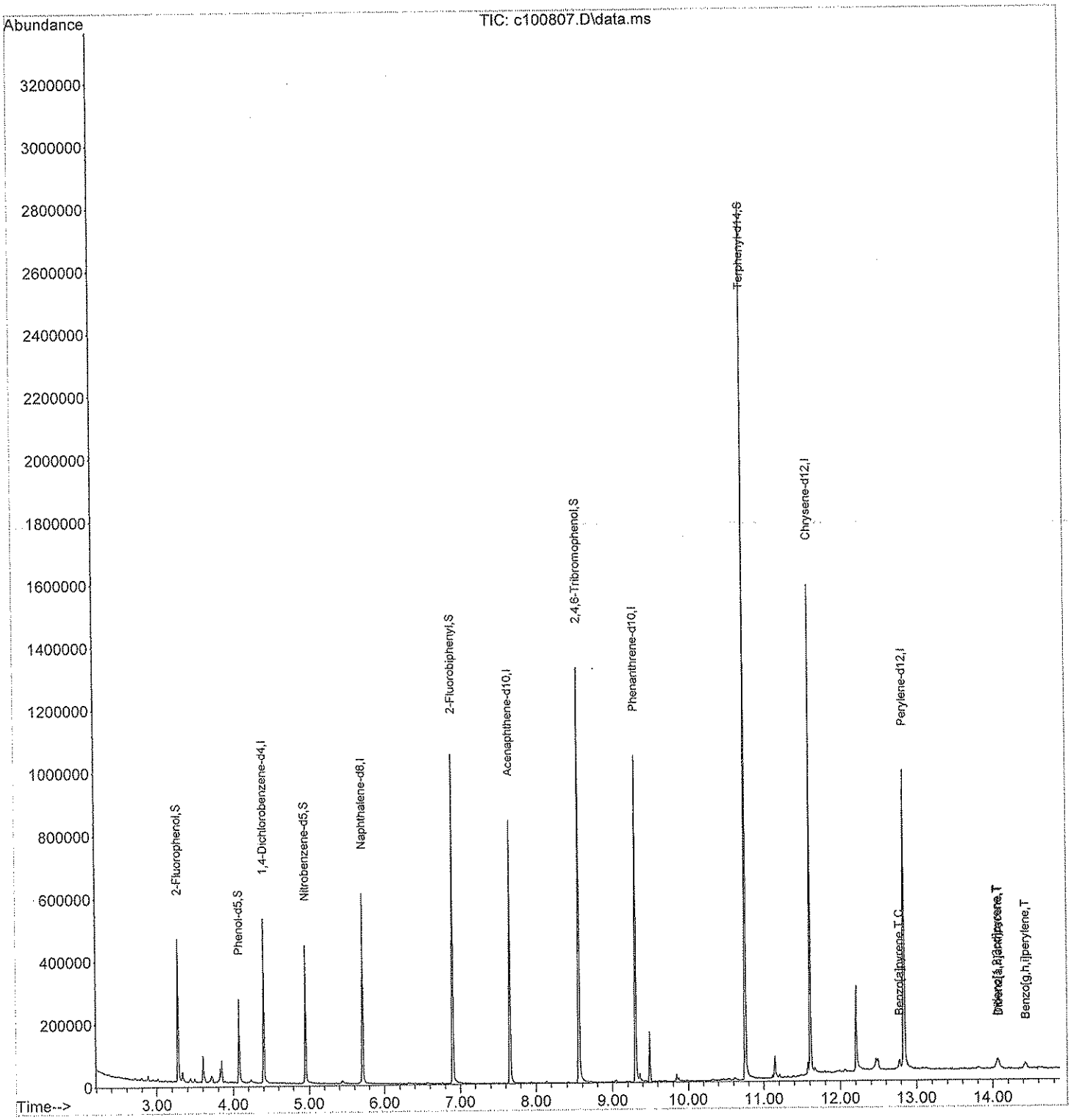
(#) = qualifier out of range (m) = manual integration (+) = signals summed

10-9-07

Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100807.D
Acq On : 8 Oct 2007 8:29 pm
Sample : ,samp,me0610178-03b,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 70 Sample Multiplier: 1

Quant Time: Oct 08 22:13:13 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M



Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100808.D
Acq On : 8 Oct 2007 8:53 pm
Sample : ,samp,me0610178-04b,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 71 Sample Multiplier: 1

Quant Time: Oct 08 22:13:18 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.408	152	56776	40.00	ug/ml	-0.04
19) Naphthalene-d8	5.711	136	206976	40.00	ug/ml	-0.04
36) Acenaphthene-d10	7.661	164	142025	40.00	ug/ml	-0.04
56) Phenanthrene-d10	9.307	188	260316	40.00	ug/ml	-0.04
69) Chrysene-d12	11.604	240	361531	40.00	ug/ml	-0.04
78) Perylene-d12	12.838	264	325904	40.00	ug/ml	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	3.275	112	96179	59.18	ug/ml	-0.03
Spiked Amount 150.000			Recovery = 39.45%			
5) Phenol-d5	4.077	99	71957	36.55	ug/ml	-0.02
Spiked Amount 150.000			Recovery = 24.37%			
20) Nitrobenzene-d5	4.958	82	97328	59.34	ug/ml	-0.04
Spiked Amount 100.000			Recovery = 59.34%			
40) 2-Fluorobiphenyl	6.903	172	292113	61.06	ug/ml	-0.04
Spiked Amount 100.000			Recovery = 61.06%			
60) 2,4,6-Tribromophenol	8.559	330	165459	107.82	ug/ml	-0.04
Spiked Amount 150.000			Recovery = 71.88%			
72) Terphenyl-d14	10.754	244	622431	76.61	ug/ml	-0.03
Spiked Amount 100.000			Recovery = 76.61%			
Target Compounds						Qvalue
83) Indeno[1,2,3cd]pyrene	14.067	276	19162	1.58	ug/ml	96
84) Dibenz[a,h]anthracene	14.072	278	12597	1.69	ug/ml	99
85) Benzo[g,h,i]perylene	14.424	276	15658	1.50	ug/ml	94

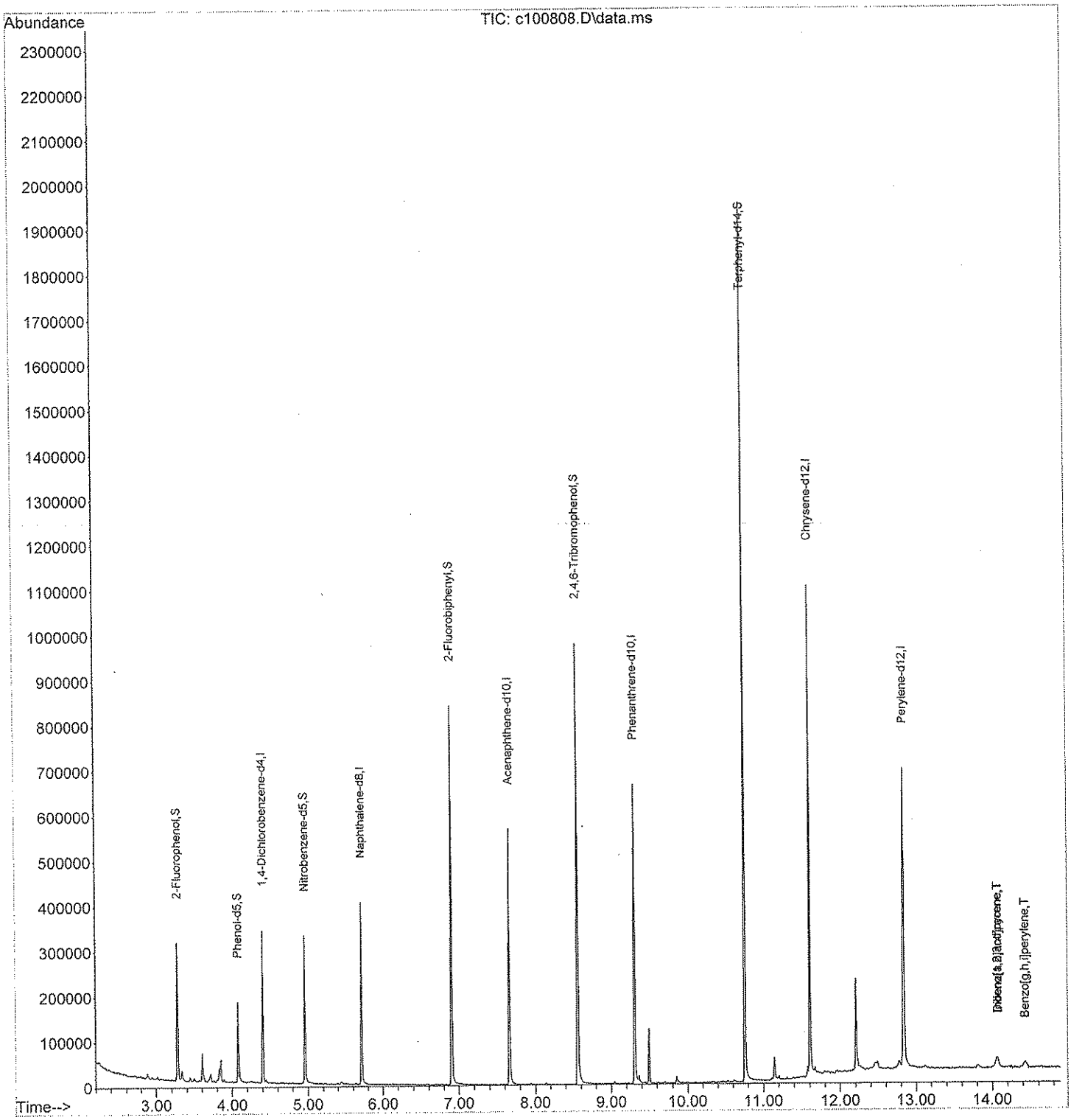
(#) = qualifier out of range (m) = manual integration (+) = signals summed

10-9-07

Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100808.D
Acq On : 8 Oct 2007 8:53 pm
Sample : ,samp,me0610178-04b,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 71 Sample Multiplier: 1

Quant Time: Oct 08 22:13:18 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M



Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100809.D
Acq On : 8 Oct 2007 9:18 pm Inst : SVOA3
Sample : ,samp,me0610178-05b,1,
Misc : 8270_w
Operator : mills
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Oct 08 22:13:23 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.406	152	97339	40.00	ug/ml	-0.04
19) Naphthalene-d8	5.715	136	347829	40.00	ug/ml	-0.04
36) Acenaphthene-d10	7.659	164	240245	40.00	ug/ml	-0.04
56) Phenanthrene-d10	9.310	188	449467	40.00	ug/ml	-0.04
69) Chrysene-d12	11.607	240	624484	40.00	ug/ml	-0.03
78) Perylene-d12	12.836	264	547969	40.00	ug/ml	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	3.279	112	107302	38.51	ug/ml	-0.03
Spiked Amount 150.000			Recovery =	25.67%		
5) Phenol-d5	4.080	99	80401	23.82	ug/ml	-0.01
Spiked Amount 150.000			Recovery =	15.88%		
20) Nitrobenzene-d5	4.956	82	104466	37.90	ug/ml	-0.04
Spiked Amount 100.000			Recovery =	37.90%		
40) 2-Fluorobiphenyl	6.906	172	294286	36.37	ug/ml	-0.04
Spiked Amount 100.000			Recovery =	36.37%		
60) 2,4,6-Tribromophenol	8.562	330	166780	62.94	ug/ml	-0.04
Spiked Amount 150.000			Recovery =	41.96%		
72) Terphenyl-d14	10.758	244	766805	54.64	ug/ml	-0.03
Spiked Amount 100.000			Recovery =	54.64%		

Target Compounds	Qvalue

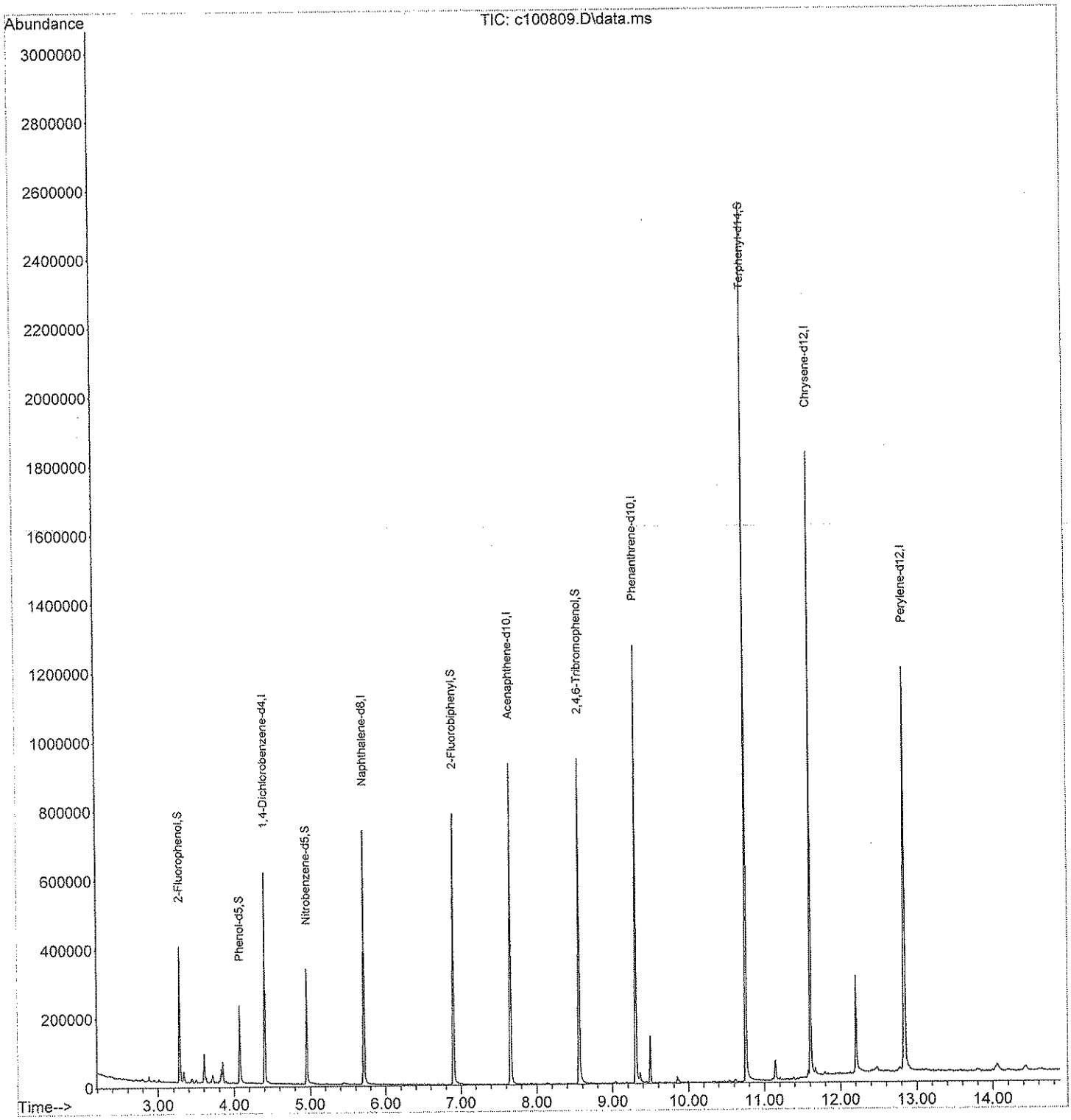
(#) = qualifier out of range (m) = manual integration (+) = signals summed

10-9-07

Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100809.D
Acq On : 8 Oct 2007 9:18 pm
Sample : ,samp,me0610178-05b,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Oct 08 22:13:23 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M



Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100810.D
Acq On : 8 Oct 2007 9:42 pm
Sample : ,samp,me0610178-06b,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Oct 08 22:13:27 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.406	152	43204	40.00	ug/ml	-0.04
19) Naphthalene-d8	5.715	136	163481	40.00	ug/ml	-0.04
36) Acenaphthene-d10	7.659	164	111192	40.00	ug/ml	-0.04
56) Phenanthrene-d10	9.310	188	207061	40.00	ug/ml	-0.04
69) Chrysene-d12	11.602	240	278057	40.00	ug/ml	-0.04
78) Perylene-d12	12.836	264	277405	40.00	ug/ml	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	3.279	112	74197	60.00	ug/ml	-0.03
Spiked Amount 150.000			Recovery =	40.00%		
5) Phenol-d5	4.080	99	61041	40.74	ug/ml	-0.01
Spiked Amount 150.000			Recovery =	27.16%		
20) Nitrobenzene-d5	4.956	82	78842	60.86	ug/ml	-0.04
Spiked Amount 100.000			Recovery =	60.86%		
40) 2-Fluorobiphenyl	6.901	172	235589	62.90	ug/ml	-0.04
Spiked Amount 100.000			Recovery =	62.90%		
60) 2,4,6-Tribromophenol	8.562	330	142166	116.46	ug/ml	-0.04
Spiked Amount 150.000			Recovery =	77.64%		
72) Terphenyl-d14	10.758	244	512463	82.01	ug/ml	-0.03
Spiked Amount 100.000			Recovery =	82.01%		
Target Compounds						Qvalue
12) 1,2-Dichlorobenzene	4.427	146	1255	0.75	ug/ml#	93
84) Dibenz[a,h]anthracene	14.075	278	7583	1.20	ug/ml	95
85) Benzo[g,h,i]perylene	14.433	276	10030	1.13	ug/ml	88

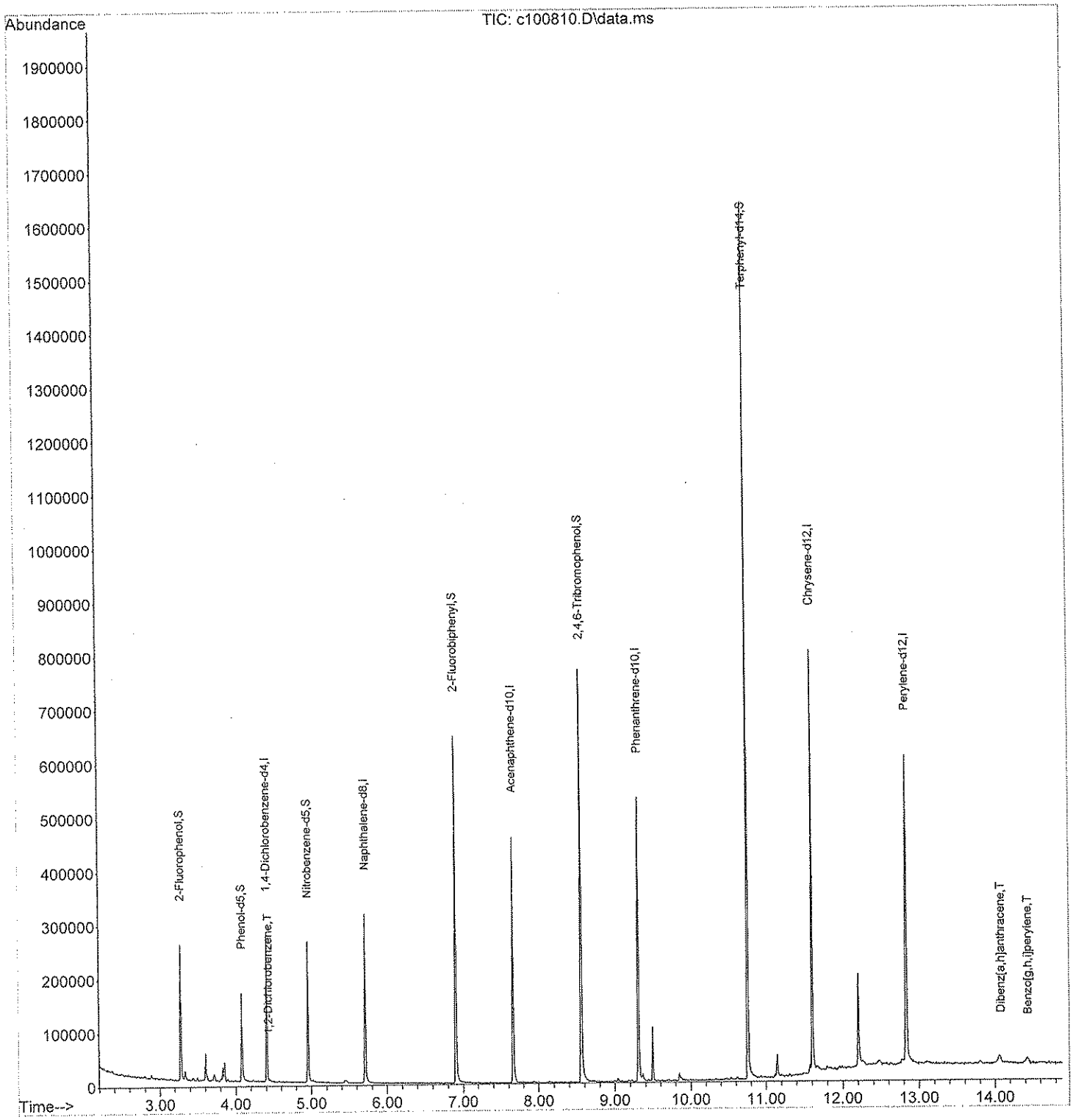
(#) = qualifier out of range (m) = manual integration (+) = signals summed

10-9-07

Quantitation Report (Not Reviewed)

Data File: C:\msdchem\1\DATA\C\c100807\c100810.D
Acq On : 8 Oct 2007 9:42 pm
Sample : ,samp,me0610178-06b,1, Inst : SVOA3
Misc : 8270_w
Operator : mills
ALS Vial : 73 Sample Multiplier: 1

Quant Time: Oct 08 22:13:27 2007
Quant Method : C:\msdchem\1\METHODS\SVOA0924.M
Quant Title : BNA Quantitation
QLast Update : Mon Sep 24 18:54:22 2007
Response via : Initial Calibration
DataAcq Meth:8270-AQ.M



EXTRACTION LOG(S)

Microbac Laboratories, Inc.

PREP BATCH REPORT

Prep Batch **56275** Prep Code: **3510_B** Technician: **Jennifer White**

Prep Start Date: **10/6/2007 8:30:00 AM**
Prep End Date: **10/6/2007 1:25:00 PM**

Sample ID	Matrix	pH	wt (g)	Ini vol (mL)	Sol Added	Sol Recov	Fin Vol (mL)	factor	PrepStart	PrepEnd
BK-1-100607				1000	0	0	1	0.001	10/6/2007	10/6/2007
LCS-1-100607				1000	0	0	1	0.001	10/6/2007	10/6/2007
ME0710178-02B	Aqueous			980	0	0	1	0.0010204	10/6/2007	10/6/2007
ME0710178-03B	Aqueous			970	0	0	1	0.0010309	10/6/2007	10/6/2007
ME0710178-04B	Aqueous			990	0	0	1	0.0010101	10/6/2007	10/6/2007
ME0710178-05B	Aqueous			980	0	0	1	0.0010204	10/6/2007	10/6/2007
ME0710178-05BM	Aqueous			500	0	0	1	0.002	10/6/2007	10/6/2007
ME0710178-05BM	Aqueous			480	0	0	1	0.0020833	10/6/2007	10/6/2007
ME0710178-06B	Aqueous			960	0	0	1	0.0010417	10/6/2007	10/6/2007
ME0710205-01B	Aqueous			1000	0	0	0.5	0.0005	10/6/2007	10/6/2007

Spk ID	Spike Name	SampType	AmtAdd
1MLSPAB11-06			0
1MLSRAB16-05			0

Injection Log

Directory: g:\c100807

Line	Vial	FileName	Multiplier	SampleName	Misc Info		Injected
1	1	c100801.d	1.	,tune,dftpp tune,1,	dftpp		8 Oct 07 17:36
2	2	c100802.d	1.	,ccv,svoa ccv 80ug/ml,1,	8270_w		8 Oct 07 17:58
3	100	c100803.d	1.	rinse	8270_w		8 Oct 07 18:25
4	67	c100804.d	1.	,mblk,bk-1-100607,1,	8270_w		8 Oct 07 18:50
5	68	c100805.d	1.	,lcs,lcs-1-100607,1,	8270_w		8 Oct 07 19:15
6	69	c100806.d	1.	,samp,me0610178-02b,1,	8270_w		8 Oct 07 19:40
7	68	c100806b.d	1.	,lcs,lcs-1-100607,1,	8270_w		8 Oct 07 20:04
8	70	c100807.d	1.	,samp,me0610178-03b,1,	8270_w		8 Oct 07 20:29
9	71	c100808.d	1.	,samp,me0610178-04b,1,	8270_w		8 Oct 07 20:53
10	72	c100809.d	1.	,samp,me0610178-05b,1,	8270_w		8 Oct 07 21:18
11	73	c100810.d	1.	,samp,me0610178-06b,1,	8270_w		8 Oct 07 21:42
12	75	c100812.d	1.	,ms,me0610178-05bms,1,	8270_w		8 Oct 07 22:07
13	76	c100813.d	1.	,msd,me0610178-05bmsd,1,	8270_w		8 Oct 07 22:32
14	77	c100814.d	1.	,samp,me0710205-01b,1,	8270_w		8 Oct 07 22:56
15	78	c100815.d	1.	,samp,me0710064-01a,1,orig iws	625+_w		8 Oct 07 23:21
16	79	c100816.d	1.	,ms,me0710064-01ams,1,	625_w		8 Oct 07 23:45
17	80	c100817.d	1.	,msd,me0710064-01amsd,1,	625_w		9 Oct 07 00:09
18	81	c100818.d	1.	,samp,me0710064-02a,1,orig iws	625+_w		9 Oct 07 00:34
19	84	c100821.d	1.	,samp,me0709399-01a,4,black qc only	8270+_s	s	9 Oct 07 00:58
20	85	c100822.d	1.	,ms,me0709399-01ams,1,black qc only	8270_s	so	9 Oct 07 01:22
21	86	c100823.d	1.	,msd,me0709399-01amsd,1,black qc only	8270_s	so	9 Oct 07 01:46
22	100	c100824.d	1.	rinse	8270_s	so	9 Oct 07 02:11

SVOA Standards

Acquisition Method 8270-AQ
Initial Linearity Date 9-24-07
Tune Std. # T17-24
ICV Std. # T6310
CCV Std. # AB1416
I.S. # AB102205

[signature] 10/10/07

[signature] 10/10/07

VOA GC/MS
RAW DATA

METHOD BLANK RAW DATA

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101003.D
Acq On : 10 Oct 2007 6:31 am
Operator : NLT
Sample : ,MBLK,MBLK W-25 10/10/07,1,
Misc : 8260_W25
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 10 07:21:18 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.535	96	437233	10.00	ug/L	0.00
35) chlorobenzene-d5	12.102	117	290597	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.873	152	100811	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.684	113	86597	10.52	ug/L	0.00
Spiked Amount 10.000			Recovery =	105.20%		
26) 1,2-dichloroethane-d4	7.134	65	76390	10.65	ug/L	0.00
Spiked Amount 10.000			Recovery =	106.50%		
38) toluene-d8	9.804	98	415404	9.82	ug/L	0.00
Spiked Amount 10.000			Recovery =	98.20%		
56) 4-bromofluorobenzene	14.097	95	115278	8.94	ug/L	0.00
Spiked Amount 10.000			Recovery =	89.40%		
Target Compounds						Qvalue

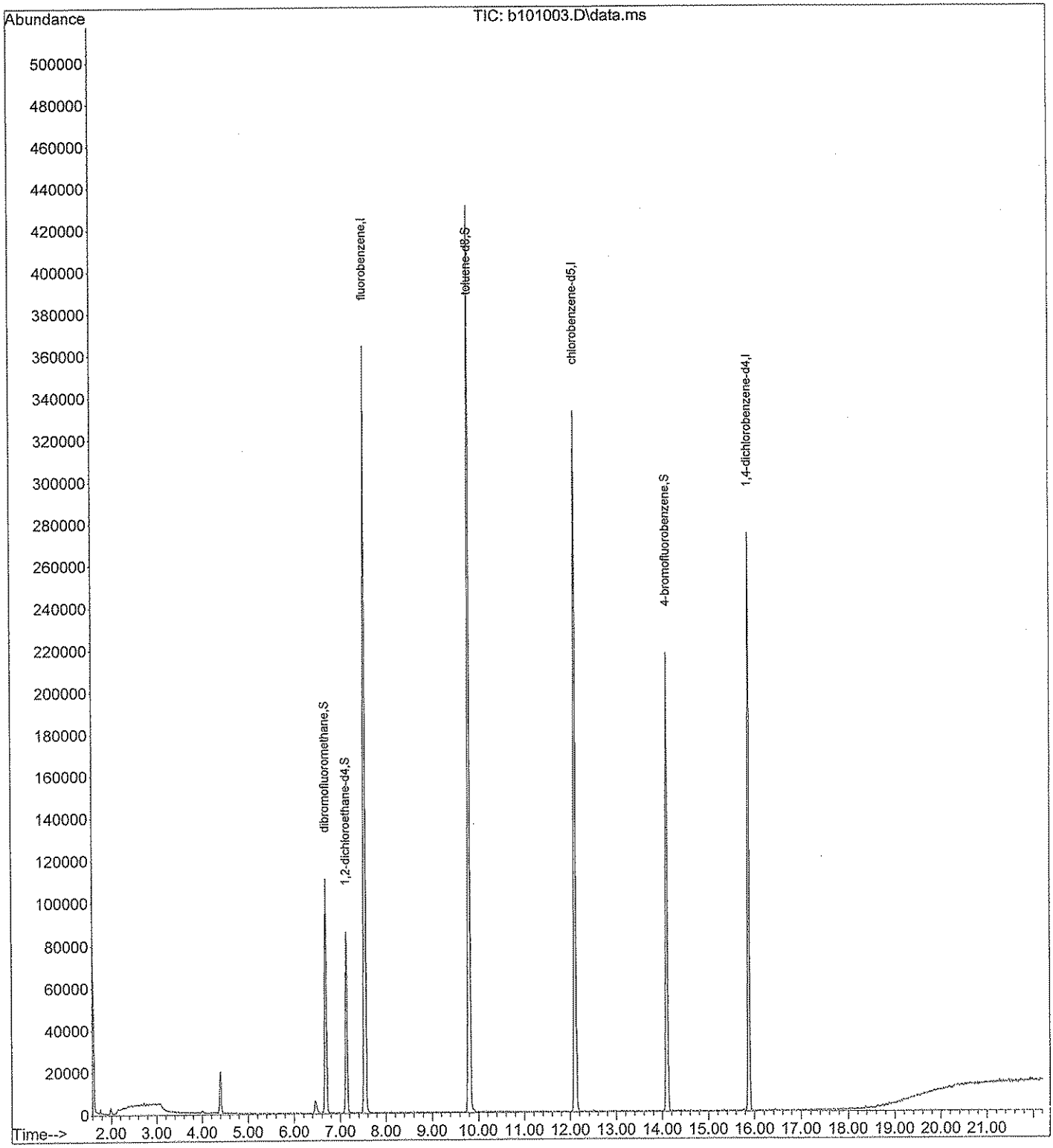
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101003.D
Acq On : 10 Oct 2007 6:31 am
Operator : NLT
Sample : ,MBLK,MBLK W-25 10/10/07,1,
Misc : 8260_W25
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 10 07:21:18 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



LABORATORY CONTROL SAMPLE RAW DATA

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101004.D
Acq On : 10 Oct 2007 7:03 am
Operator : NLT
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 07:26:07 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	444606	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	299663	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	140791	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.683	113	88959	10.63	ug/L		0.00
Spiked Amount 10.000			Recovery =	106.30%			
26) 1,2-dichloroethane-d4	7.127	65	75604	10.37	ug/L		0.00
Spiked Amount 10.000			Recovery =	103.70%			
38) toluene-d8	9.803	98	434197	9.95	ug/L		0.00
Spiked Amount 10.000			Recovery =	99.50%			
56) 4-bromofluorobenzene	14.097	95	131085	9.86	ug/L		0.00
Spiked Amount 10.000			Recovery =	98.60%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	48783	7.26	ug/L		99
3) chloromethane	2.055	50	111649	9.46	ug/L		98
4) vinyl chloride	2.195	62	106090	8.58	ug/L		98
5) bromomethane	2.621	94	26284	6.57	ug/L		95
6) chloroethane	2.755	64	63895	8.77	ug/L		99
7) trichlorofluoromethane	3.059	101	144729	10.55	ug/L	#	100
9) 1,1-dichloroethene	3.734	96	75924	7.04	ug/L		97
10) acetone	3.898	43	10530	9.82	ug/L		98
11) carbon disulfide	4.002	76	231804	6.91	ug/L		100
12) methylene chloride	4.397	84	100868	8.21	ug/L		99
13) acrylonitrile	4.768	53	14953	13.46	ug/L		95
14) trans-1,2-dichloroethene	4.707	96	99965	8.12	ug/L		99
15) methyl-t-butyl ether	4.695	73	139212	9.05	ug/L		99
16) acetonitrile	4.287	41	7220	14.45	ug/L		98
17) 1,1-dichloroethane	5.266	63	188739	8.49	ug/L		100
18) vinyl acetate	5.333	43	88994	14.11	ug/L		98
19) cis-1,2-dichloroethene	6.033	96	104281	8.14	ug/L		97
20) 2,2-dichloropropane	5.990	77	146546	8.39	ug/L		100
21) 2-butanone	6.106	72	3468	11.00	ug/L		87
22) chloroform	6.464	83	173261	9.08	ug/L		100
24) 1,1,1-trichloroethane	6.641	97	147831	8.53	ug/L		99
25) carbon tetrachloride	6.848	117	124069	8.71	ug/L		97
27) benzene	7.152	78	428655	8.48	ug/L		100
28) 1,1-dichloropropene	6.860	75	134501	8.27	ug/L		100
29) 1,2-dichloroethane	7.237	62	88657	9.02	ug/L		98
30) trichloroethene	8.040	95	103321	8.44	ug/L		98
31) 1,2-dichloropropane	8.392	63	96154	8.59	ug/L		99
32) dibromomethane	8.593	93	31641	8.87	ug/L		96
33) bromodichloromethane	8.818	83	98250	8.54	ug/L		97
34) 2-chloroethyl vinyl ether	9.238	63	12351	7.50	ug/L		98
36) cis-1,3-dichloropropene	9.450	75	117496	8.66	ug/L		98
37) 4-methyl-2-pentanone	9.688	43	32538	10.05	ug/L	#	88
39) toluene	9.900	92	275547	8.39	ug/L		97
40) 1,1,2-trichloroethane	10.612	83	41632	9.08	ug/L		97
41) 1,3-dichloropropane	10.861	76	90699	8.71	ug/L		99
42) tetrachloroethene	10.727	164	89408	8.69	ug/L		97
43) trans-1,3-dichloropropene	10.320	75	83011	9.35	ug/L		98
44) 2-hexanone	10.983	43	18432	9.45	ug/L		91

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101004.D
Acq On : 10 Oct 2007 7:03 am
Operator : NLT
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 07:26:07 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

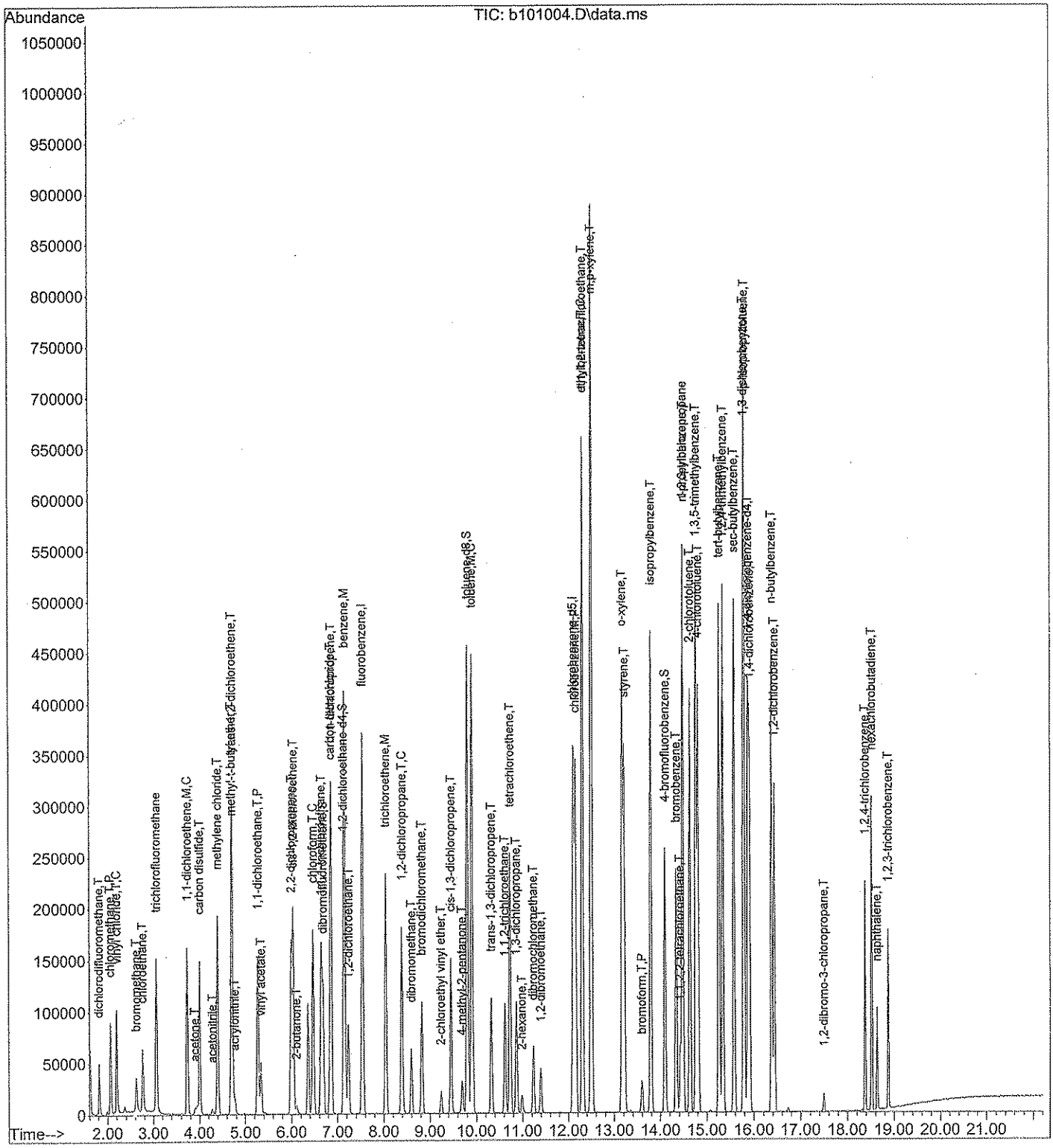
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) dibromochloromethane	11.232	129	49985	9.01	ug/L	98
46) 1,2-dibromoethane	11.396	107	43442	9.09	ug/L	98
47) chlorobenzene	12.150	112	283207	8.75	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.303	131	84576	9.10	ug/L	99
49) ethylbenzene	12.296	91	506396	8.41	ug/L	99
50) m,p-xylene	12.497	106	413785	16.86	ug/L	99
51) o-xylene	13.166	106	187924	8.33	ug/L	99
52) styrene	13.215	104	278248	8.51	ug/L	98
53) isopropylbenzene	13.786	105	483528	9.44	ug/L	100
54) bromobenzene	14.334	156	99606	8.84	ug/L	96
55) bromoform	13.592	173	23016	9.40	ug/L	95
57) 1,2,3-trichloropropane	14.474	110	14781	9.37	ug/L	98
58) n-propylbenzene	14.480	91	572702	8.67	ug/L	100
59) 2-chlorotoluene	14.632	91	336995	8.56	ug/L	98
60) 4-chlorotoluene	14.808	91	393280	8.88	ug/L	99
61) 1,3,5-trimethylbenzene	14.759	105	409124	8.63	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.419	83	47036	9.25	ug/L	97
64) tert-butylbenzene	15.252	119	334776	8.02	ug/L	100
65) sec-butylbenzene	15.574	105	474311	7.83	ug/L	100
66) 1,2,4-trimethylbenzene	15.337	105	396565	7.98	ug/L	100
67) 1,3-dichlorobenzene	15.775	146	208017	8.68	ug/L	99
68) p-isopropyltoluene	15.793	119	410950	8.57	ug/L	100
69) 1,4-dichlorobenzene	15.909	146	202613	8.73	ug/L	99
70) 1,2-dichlorobenzene	16.432	146	171809	9.00	ug/L	99
71) n-butylbenzene	16.371	91	307770	8.20	ug/L	98
72) 1,2-dibromo-3-chloropr...	17.490	75	5219	9.39	ug/L	95
73) 1,2,4-trichlorobenzene	18.378	180	73421	8.80	ug/L	99
74) hexachlorobutadiene	18.518	225	64572	8.63	ug/L	98
75) naphthalene	18.633	128	79139	7.79	ug/L	100
76) 1,2,3-trichlorobenzene	18.870	180	53983	9.54	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101004.D
Acq On : 10 Oct 2007 7:03 am
Operator : NLT
Sample : ,LCS,LCS W-10 PPB,1,
Misc : 8260_W25
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 10 07:26:07 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



MATRIX SPIKE/MATRIX SPIKE DUPLICATE RAW DATA

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101011.D
Acq On : 10 Oct 2007 11:03 am
Operator : NLT
Sample : ,MS,ME0710178-05AMS,1,
Misc : 8260+_W25
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 10 11:55:31 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.541	96	428953	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	287811	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	139894	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.683	113	87257	10.80	ug/L		0.00
Spiked Amount 10.000			Recovery =	108.00%			
26) 1,2-dichloroethane-d4	7.133	65	74381	10.57	ug/L		0.00
Spiked Amount 10.000			Recovery =	105.70%			
38) toluene-d8	9.803	98	418870	10.00	ug/L		0.00
Spiked Amount 10.000			Recovery =	100.00%			
56) 4-bromofluorobenzene	14.096	95	127966	10.02	ug/L		0.00
Spiked Amount 10.000			Recovery =	100.20%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	32436	5.00	ug/L		100
3) chloromethane	2.055	50	84231	7.40	ug/L		99
4) vinyl chloride	2.195	62	84742	7.10	ug/L		98
5) bromomethane	2.621	94	20894	5.41	ug/L		99
6) chloroethane	2.761	64	57243	8.14	ug/L		98
7) trichlorofluoromethane	3.059	101	119973	9.07	ug/L	#	99
9) 1,1-dichloroethene	3.734	96	73211	7.04	ug/L		97
10) acetone	3.898	43	10560	10.21	ug/L		86
11) carbon disulfide	4.001	76	261743	8.09	ug/L		98
12) methylene chloride	4.397	84	97301	8.21	ug/L		99
13) acrylonitrile	4.768	53	14094	13.15	ug/L		98
14) trans-1,2-dichloroethene	4.707	96	100590	8.47	ug/L		96
15) methyl-t-butyl ether	4.695	73	138979	9.37	ug/L		98
16) acetonitrile	4.281	41	6131	12.72	ug/L	#	86
17) 1,1-dichloroethane	5.266	63	191552	8.93	ug/L		98
18) vinyl acetate	5.333	43	83691	13.75	ug/L		99
19) cis-1,2-dichloroethene	6.033	96	105233	8.52	ug/L		96
20) 2,2-dichloropropane	5.984	77	140702	8.35	ug/L		99
21) 2-butanone	6.106	72	3047	10.02	ug/L		95
22) chloroform	6.464	83	175748	9.55	ug/L		99
24) 1,1,1-trichloroethane	6.641	97	151526	9.06	ug/L		98
25) carbon tetrachloride	6.841	117	125910	9.16	ug/L		99
27) benzene	7.152	78	434121	8.90	ug/L		100
28) 1,1-dichloropropene	6.860	75	135272	8.62	ug/L		100
29) 1,2-dichloroethane	7.237	62	90312	9.53	ug/L		97
30) trichloroethene	8.039	95	102771	8.70	ug/L		98
31) 1,2-dichloropropane	8.386	63	97968	9.07	ug/L		98
32) dibromomethane	8.593	93	32461	9.44	ug/L		96
33) bromodichloromethane	8.818	83	99371	8.95	ug/L		99
36) cis-1,3-dichloropropene	9.456	75	111914	8.58	ug/L		98
37) 4-methyl-2-pentanone	9.687	43	28852	9.28	ug/L		94
39) toluene	9.900	92	278994	8.85	ug/L		98
40) 1,1,2-trichloroethane	10.612	83	42325	9.61	ug/L		98
41) 1,3-dichloropropane	10.867	76	90483	9.05	ug/L		99
42) tetrachloroethene	10.727	164	91514	9.26	ug/L		97
43) trans-1,3-dichloropropene	10.320	75	81439	9.55	ug/L		98
44) 2-hexanone	10.989	43	16653	8.89	ug/L		97
45) dibromochloromethane	11.232	129	50964	9.57	ug/L		99

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101011.D
Acq On : 10 Oct 2007 11:03 am
Operator : NLT
Sample : ,MS,ME0710178-05AMS,1,
Misc : 8260+_W25
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 10 11:55:31 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

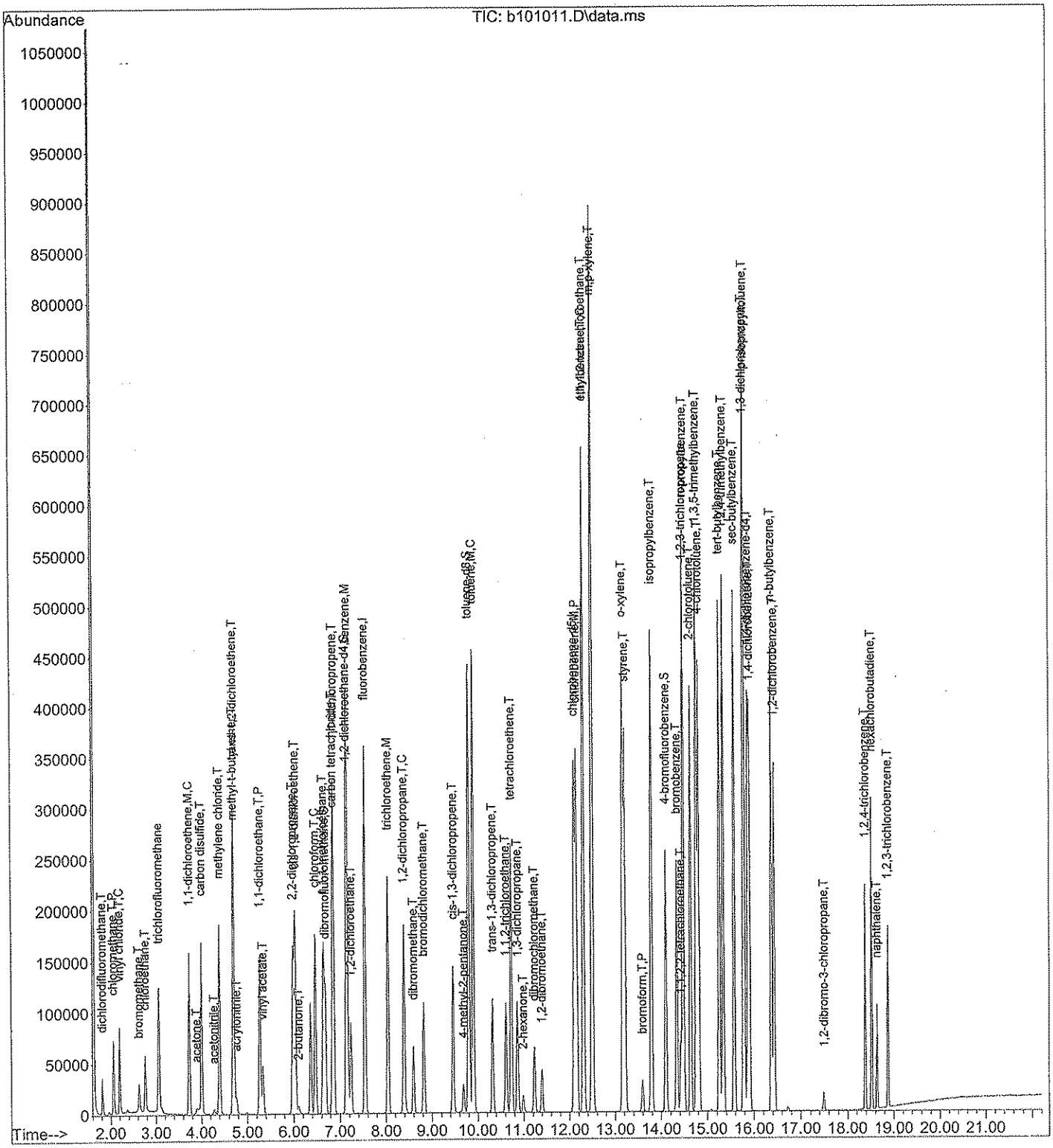
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,2-dibromoethane	11.396	107	43867	9.56	ug/L	98
47) chlorobenzene	12.150	112	288576	9.28	ug/L	98
48) 1,1,1,2-tetrachloroethane	12.302	131	87179	9.77	ug/L	100
49) ethylbenzene	12.302	91	512178	8.86	ug/L	99
50) m,p-xylene	12.491	106	424240	18.00	ug/L	99
51) o-xylene	13.166	106	192624	8.89	ug/L	99
52) styrene	13.215	104	283522	9.02	ug/L	99
53) isopropylbenzene	13.786	105	495395	10.07	ug/L	100
54) bromobenzene	14.334	156	101955	9.42	ug/L	96
55) bromoform	13.592	173	23002	9.78	ug/L	97
57) 1,2,3-trichloropropane	14.467	110	14920	9.85	ug/L	99
58) n-propylbenzene	14.480	91	585091	9.23	ug/L	99
59) 2-chlorotoluene	14.632	91	346310	9.15	ug/L	99
60) 4-chlorotoluene	14.808	91	403795	9.50	ug/L	99
61) 1,3,5-trimethylbenzene	14.759	105	415756	9.13	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.425	83	46654	9.24	ug/L	99
64) tert-butylbenzene	15.252	119	344730	8.31	ug/L	99
65) sec-butylbenzene	15.574	105	481524	8.00	ug/L	100
66) 1,2,4-trimethylbenzene	15.337	105	403422	8.17	ug/L	100
67) 1,3-dichlorobenzene	15.775	146	215701	9.06	ug/L	100
68) p-isopropyltoluene	15.793	119	420491	8.83	ug/L	100
69) 1,4-dichlorobenzene	15.909	146	208362	9.04	ug/L	99
70) 1,2-dichlorobenzene	16.432	146	176939	9.33	ug/L	99
71) n-butylbenzene	16.371	91	306037	8.21	ug/L	99
72) 1,2-dibromo-3-chloropr...	17.496	75	5064	9.17	ug/L	91
73) 1,2,4-trichlorobenzene	18.378	180	72744	8.77	ug/L	96
74) hexachlorobutadiene	18.518	225	62372	8.39	ug/L	100
75) naphthalene	18.633	128	80301	7.96	ug/L	100
76) 1,2,3-trichlorobenzene	18.870	180	53651	9.54	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101011.D
Acq On : 10 Oct 2007 11:03 am
Operator : NLT
Sample : ,MS,ME0710178-05AMS,1,
Misc : 8260+_W25
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 10 11:55:31 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101012.D
Acq On : 10 Oct 2007 11:34 am
Operator : NLT
Sample : ,MSD,ME0710178-05AMSD,1,
Misc : 8260+_W25
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 10 15:22:31 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	440386	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	294108	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	141700	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.683	113	89153	10.75	ug/L		0.00
Spiked Amount 10.000			Recovery =	107.50%			
26) 1,2-dichloroethane-d4	7.133	65	75570	10.46	ug/L		0.00
Spiked Amount 10.000			Recovery =	104.60%			
38) toluene-d8	9.803	98	426226	9.95	ug/L		0.00
Spiked Amount 10.000			Recovery =	99.50%			
56) 4-bromofluorobenzene	14.097	95	129567	9.93	ug/L		0.00
Spiked Amount 10.000			Recovery =	99.30%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	32038	4.81	ug/L		100
3) chloromethane	2.056	50	92017	7.87	ug/L		100
4) vinyl chloride	2.195	62	93269	7.62	ug/L		96
5) bromomethane	2.621	94	25691	6.48	ug/L		97
6) chloroethane	2.755	64	60105	8.33	ug/L		98
7) trichlorofluoromethane	3.059	101	125050	9.21	ug/L	#	99
9) 1,1-dichloroethene	3.734	96	80244	7.52	ug/L		96
10) acetone	3.892	43	11307	10.65	ug/L		87
11) carbon disulfide	4.002	76	270626	8.15	ug/L		99
12) methylene chloride	4.397	84	108737	8.93	ug/L		98
13) acrylonitrile	4.768	53	14864	13.51	ug/L		98
14) trans-1,2-dichloroethene	4.713	96	110035	9.03	ug/L		92
15) methyl-t-butyl ether	4.695	73	153376	10.07	ug/L		97
16) acetonitrile	4.281	41	5998	12.12	ug/L	#	80
17) 1,1-dichloroethane	5.267	63	208945	9.49	ug/L		99
18) vinyl acetate	5.333	43	88520	14.17	ug/L		100
19) cis-1,2-dichloroethene	6.027	96	115490	9.11	ug/L		96
20) 2,2-dichloropropane	5.990	77	153714	8.89	ug/L		98
21) 2-butanone	6.100	72	3560	11.40	ug/L		91
22) chloroform	6.465	83	191736	10.15	ug/L		98
24) 1,1,1-trichloroethane	6.641	97	166033	9.67	ug/L		99
25) carbon tetrachloride	6.848	117	138151	9.79	ug/L		97
27) benzene	7.152	78	474779	9.48	ug/L		100
28) 1,1-dichloropropene	6.860	75	148373	9.20	ug/L		99
29) 1,2-dichloroethane	7.237	62	98285	10.10	ug/L		98
30) trichloroethene	8.040	95	113757	9.38	ug/L		99
31) 1,2-dichloropropane	8.392	63	107712	9.71	ug/L		97
32) dibromomethane	8.593	93	35857	10.15	ug/L		96
33) bromodichloromethane	8.818	83	111065	9.75	ug/L		99
36) cis-1,3-dichloropropene	9.450	75	126803	9.52	ug/L		99
37) 4-methyl-2-pentanone	9.682	43	31740	9.99	ug/L	#	90
39) toluene	9.900	92	305170	9.47	ug/L		98
40) 1,1,2-trichloroethane	10.612	83	46773	10.39	ug/L		98
41) 1,3-dichloropropane	10.861	76	100506	9.84	ug/L		100
42) tetrachloroethene	10.728	164	99674	9.87	ug/L		97
43) trans-1,3-dichloropropene	10.320	75	92315	10.59	ug/L		99
44) 2-hexanone	10.989	43	18348	9.59	ug/L		96
45) dibromochloromethane	11.232	129	56628	10.41	ug/L		98

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101012.D
Acq On : 10 Oct 2007 11:34 am
Operator : NLT
Sample : ,MSD,ME0710178-05AMSD,1,
Misc : 8260+_W25
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 10 15:22:31 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

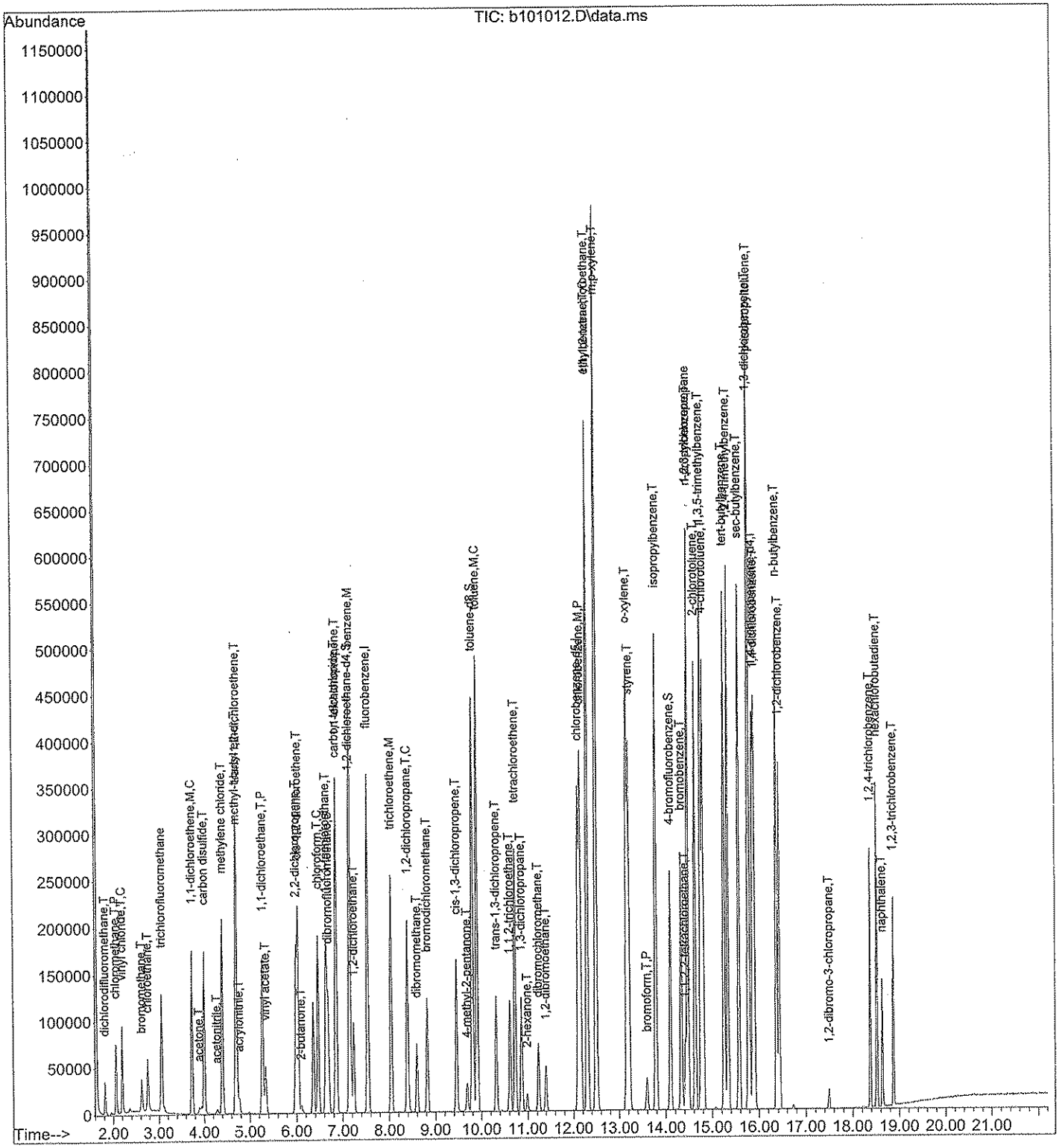
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) 1,2-dibromoethane	11.397	107	48253	10.29 ug/L	99
47) chlorobenzene	12.151	112	314778	9.90 ug/L	98
48) 1,1,1,2-tetrachloroethane	12.303	131	95826	10.50 ug/L	100
49) ethylbenzene	12.303	91	564309	9.55 ug/L	99
50) m,p-xylene	12.497	106	460707	19.13 ug/L	100
51) o-xylene	13.166	106	210255	9.49 ug/L	99
52) styrene	13.215	104	312058	9.72 ug/L	99
53) isopropylbenzene	13.786	105	543898	10.81 ug/L	99
54) bromobenzene	14.334	156	112138	10.14 ug/L	97
55) bromoform	13.598	173	25791	10.73 ug/L	98
57) 1,2,3-trichloropropane	14.474	110	16451	10.63 ug/L	100
58) n-propylbenzene	14.480	91	644292	9.94 ug/L	100
59) 2-chlorotoluene	14.632	91	380725	9.85 ug/L	99
60) 4-chlorotoluene	14.808	91	437364	10.06 ug/L	98
61) 1,3,5-trimethylbenzene	14.759	105	452695	9.73 ug/L	99
63) 1,1,2,2-tetrachloroethane	14.419	83	52982	10.36 ug/L	96
64) tert-butylbenzene	15.252	119	379709	9.03 ug/L	100
65) sec-butylbenzene	15.574	105	535607	8.78 ug/L	100
66) 1,2,4-trimethylbenzene	15.337	105	445047	8.90 ug/L	100
67) 1,3-dichlorobenzene	15.775	146	236868	9.83 ug/L	99
68) p-isopropyltoluene	15.793	119	466168	9.66 ug/L	100
69) 1,4-dichlorobenzene	15.909	146	228208	9.77 ug/L	99
70) 1,2-dichlorobenzene	16.432	146	194174	10.11 ug/L	100
71) n-butylbenzene	16.371	91	355619	9.42 ug/L	98
72) 1,2-dibromo-3-chloropr...	17.496	75	5650	10.10 ug/L	88
73) 1,2,4-trichlorobenzene	18.378	180	91200	10.86 ug/L	98
74) hexachlorobutadiene	18.518	225	73357	9.74 ug/L	99
75) naphthalene	18.633	128	109027	10.66 ug/L	100
76) 1,2,3-trichlorobenzene	18.870	180	68109	11.96 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101012.D
Acq On : 10 Oct 2007 11:34 am
Operator : NLT
Sample : ,MSD,ME0710178-05AMSD,1,
Misc : 8260+_W25
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 10 15:22:31 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

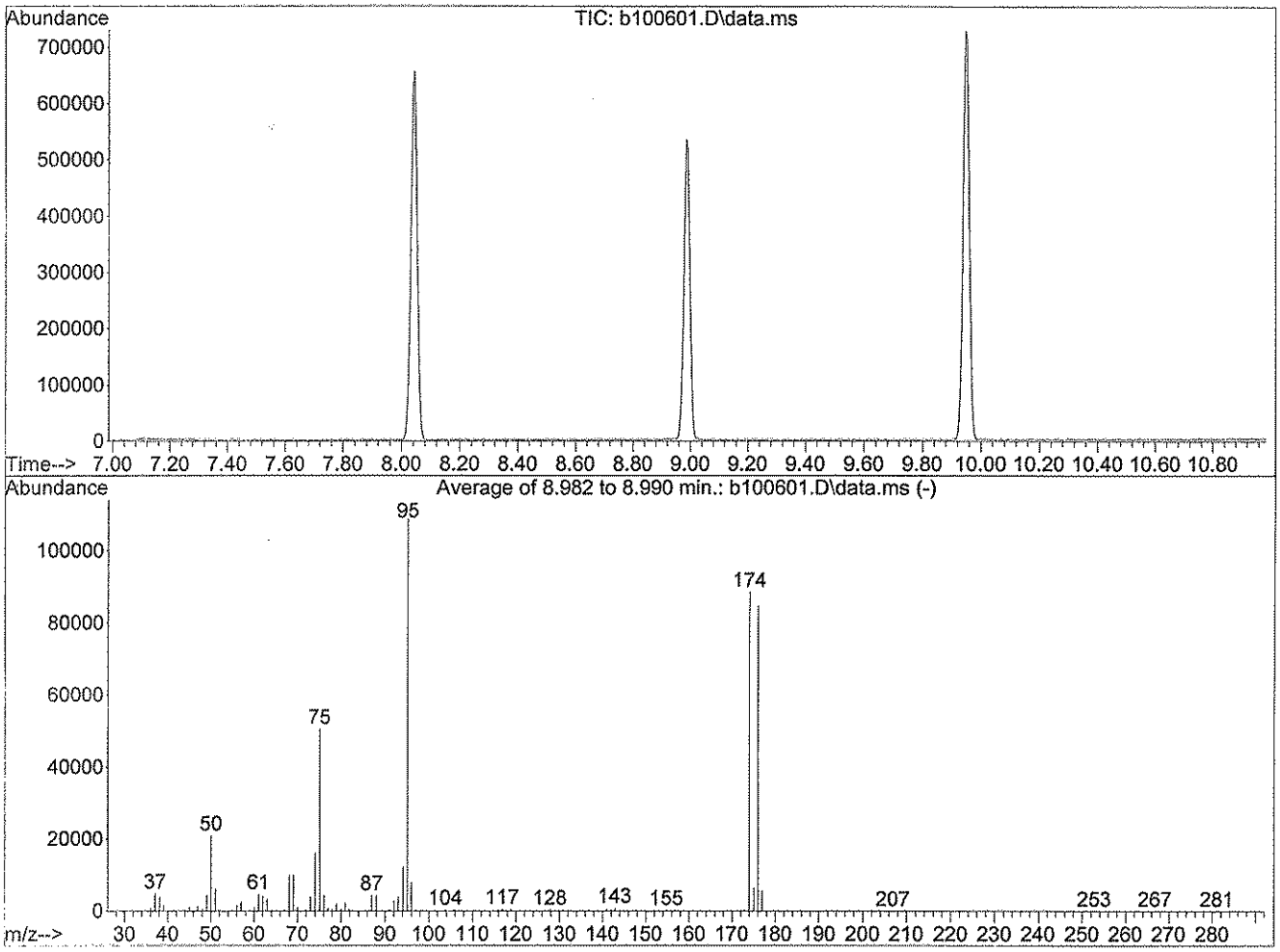


TUNING RAW DATA

Data Path : D:\msdchem\1\data\b100607\
Data File : b100601.D
Acq On : 6 Oct 2007 8:02 pm
Operator : JDB
Sample : ,tune,bfb tune,1,
Misc : bfb
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\wtr1004.M
Title : VOA waterICAL 10/04/07-MISC Included
Last Update : Thu Oct 04 12:58:22 2007



AutoFind: Scans 1896, 1897, 1898; Background Corrected with Scan 1885

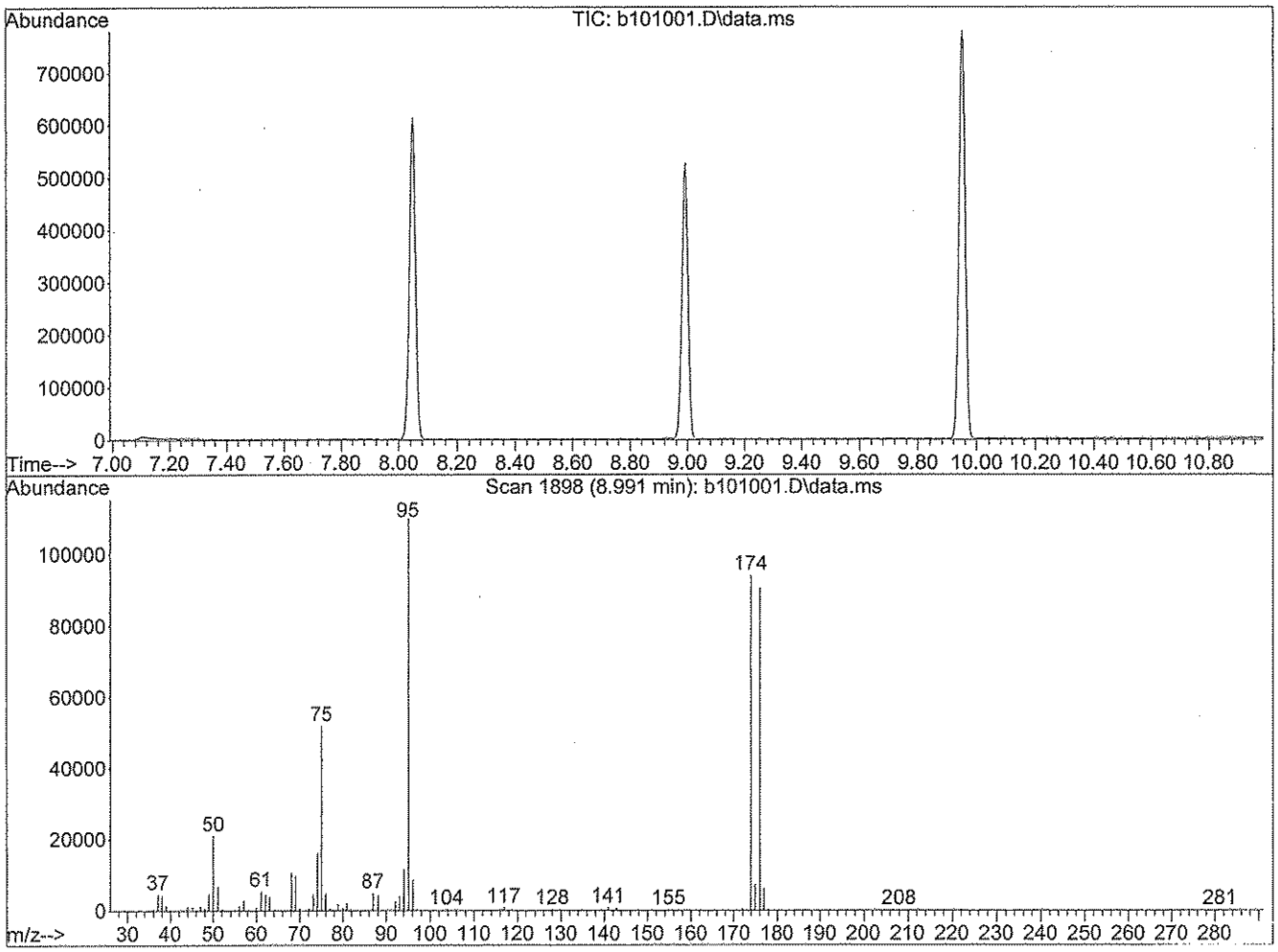
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	21005	PASS
75	95	30	60	46.5	50642	PASS
95	95	100	100	100.0	108824	PASS
96	95	5	9	7.3	7946	PASS
173	174	0.00	2	0.4	364	PASS
174	95	50	250	81.4	88570	PASS
175	174	5	9	7.2	6337	PASS
176	174	95	101	95.7	84762	PASS
177	176	5	9	6.7	5705	PASS

10/7/07

Data Path : D:\msdchem\1\data\b101007\
Data File : b101001.D
Acq On : 10 Oct 2007 5:34 am
Operator : NLT
Sample : ,tune,bfb tune,1,
Misc : bfb
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07
Last Update : Mon Oct 08 16:50:56 2007



Spectrum Information: Scan 1898

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	21000	PASS
75	95	30	60	47.2	51928	PASS
95	95	100	100	100.0	110048	PASS
96	95	5	9	7.8	8576	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	250	85.5	94096	PASS
175	174	5	9	7.7	7275	PASS
176	174	95	101	96.3	90608	PASS
177	176	5	9	6.6	6009	PASS

INITIAL CALIBRATION RAW DATA

Method Path : C:\msdchem\1\METHODS\
Method File : 25mL1006.M 10/08/07
Title : 25 ml W-ICAL ~~09/28/07~~
Last Update : Mon Oct 08 09:58:43 2007
Response Via : Initial Calibration

Calibration Files
1 =b100602.D 2 =b100603.D 4 =b100604.D 8 =b100605.D 10 =b100606.D 20 =b100607.D
40 =b100608.D

		Compound	1	2	4	8	10	20	40	Avg	%RSD
1)	I	fluorobenzene	ISTD								
2)	T	dichlorodifluo...	0.164	0.143	0.150	0.153	0.152	0.151	0.145	0.151	4.45
3)	T,P	chloromethane	PQL=2	0.265	0.260	0.259	0.266	0.272	0.271	0.266#	2.06
4)	T,C	vinyl chloride	0.303	0.265	0.264	0.270	0.278	0.285	0.282	0.278	4.88
5)	T	bromomethane	0.098	0.087	0.082	0.089	0.094	UQL=10		0.090	7.19
6)	T	chloroethane	0.196	0.165	0.158	0.159	0.161	0.156	0.152	0.164	9.03
7)		trichlorofluor...	0.313	0.296	0.304	0.306	0.314	0.317	0.309	0.308	2.37
8)	T	acrolein	0.006	0.005	0.005	0.005	0.005	0.006	0.006	0.006	6.77
9)	M,C	1,1-dichloroet...	0.253	0.231	0.233	0.243	0.244	0.245	0.248	0.242	3.26
10)	T	acetone	PQL=5		0.026	0.024	0.024	0.024	0.023	0.024	3.68
11)	T	carbon disulfide	0.884	0.703	0.703	0.740	0.744	0.751	0.755	0.754	8.09
12)	T	methylene chlo...	PQL=2	0.351	0.287	0.268	0.262	0.247	0.243	0.276	14.35
13)	T	acrylonitrile	0.026	0.024	0.025	0.024	0.025	0.025	0.025	0.025	3.18
14)	T	trans-1,2-dich...	0.303	0.264	0.260	0.277	0.278	0.277	0.278	0.277	4.95
15)	T	methyl-t-butyl...	0.356	0.348	0.331	0.335	0.341	0.353	0.358	0.346	3.10
16)	T	acetonitrile	0.015	0.012	0.010	0.010	0.010	0.010	0.010	0.011	17.64
17)	T,P	1,1-dichloroet...	0.556	0.483	0.477	0.494	0.497	0.497	0.496	0.500	5.18
18)	T	vinyl acetate	PQL=2	0.138	0.132	0.148	0.141	0.147	0.145	0.142	4.15
19)	T	cis-1,2-dichlo...	0.314	0.278	0.273	0.284	0.289	0.289	0.290	0.288	4.58
20)	T	2,2-dichloropr...	0.421	0.374	0.379	0.393	0.394	0.394	0.394	0.393	3.88
21)	T	2-butanone	PQL=2	0.005	0.006	0.007	0.007	0.008	0.008	0.007	14.17
22)	T,C	chloroform	0.483	0.415	0.406	0.422	0.429	0.423	0.425	0.429	2.81
23)	S	dibromofluorom...	0.185	0.189	0.187	0.190	0.188	0.189	0.191	0.188	0.93
24)	T	1,1,1-trichlor...	0.400	0.369	0.374	0.392	0.397	0.398	0.399	0.390	3.31
25)	T	carbon tetrach...	0.319	0.292	0.302	0.324	0.330	0.334	0.340	0.320	5.47
26)	S	1,2-dichloroet...	0.165	0.168	0.162	0.166	0.164	0.161	0.162	0.164	1.58
27)	M	benzene	1.273	1.087	1.081	1.122	1.129	1.134	1.131	1.137	5.63
28)	T	1,1-dichloropr...	0.373	0.345	0.352	0.369	0.369	0.376	0.378	0.366	3.46
29)	T	1,2-dichloroet...	0.246	0.216	0.211	0.218	0.219	0.218	0.219	0.221	5.14
30)	M	trichloroethene	0.294	0.263	0.263	0.274	0.275	0.277	0.280	0.275	3.88
31)	T,C	1,2-dichloropr...	0.270	0.243	0.240	0.251	0.251	0.253	0.255	0.252	3.85
32)	T	dibromomethane	0.090	0.077	0.075	0.078	0.080	0.080	0.081	0.080	5.95
33)	T	bromodichlorom...	0.266	0.236	0.236	0.258	0.265	0.271	0.280	0.259	6.47
34)	T	2-chloroethyl ...		0.024	0.028	0.037	0.038	0.044	0.051	0.037	27.27
35)	I	chlorobenzene-d5	ISTD								
36)	T	cis-1,3-dichlo...	0.467	0.416	0.419	0.455	0.462	0.474	0.478	0.453	5.57
37)	T	4-methyl-2-pen...		0.102	0.099	0.107	0.108	0.114	0.118	0.108	6.47
38)	S	toluene-d8	1.459	1.450	1.453	1.467	1.462	1.452	1.447	1.456	0.50

10/08/07

Method Path : C:\msdchem\1\METHODS\
Method File : 25mL1006.M 10/06/07
Title : 25 ml W-ICAL ~~09/28/07~~ 10/08/07

39)	M,C	toluene	1.251	1.058	1.041	1.074	1.084	1.085	1.076	1.096	6.43
40)	T	1,1,2-trichlor...	0.164	0.147	0.146	0.153	0.153	0.154	0.154	0.153	3.95
41)	T	1,3-dichloropr...	0.387	0.337	0.325	0.344	0.342	0.349	0.347	0.347	5.56
42)	T	tetrachloroethene	0.371	0.325	0.335	0.346	0.342	0.345	0.340	0.343	4.04
43)	T	trans-1,3-dich...	0.305	0.265	0.268	0.296	0.302	0.318	0.321	0.296	7.51
44)	T	2-hexanone PQL=2	0.055	0.057	0.065	0.066	0.071	0.077	0.065		13.13
45)	T	dibromochlorom...	0.174	0.161	0.164	0.185	0.193	0.202	0.216	0.185	10.97
46)	T	1,2-dibromoethane	0.162	0.151	0.149	0.160	0.162	0.166	0.167	0.159	4.25
47)	M,P	chlorobenzene	1.203	1.037	1.033	1.065	1.076	1.077	1.073	1.082	5.28
48)	T	1,1,1,2-tetrac...	0.309	0.289	0.289	0.315	0.317	0.326	0.326	0.310	5.02
49)	T,C	ethylbenzene	2.165	1.886	1.909	2.008	2.021	2.041	2.034	2.009	4.59
50)	T	m,p-xylene	0.907	0.770	0.775	0.816	0.819	0.822	0.824	0.819	5.50
51)	T	o-xylene	0.828	0.693	0.706	0.753	0.757	0.765	0.770	0.753	5.92
52)	T	styrene	1.009	0.943	0.991	1.124	1.154	1.195	1.226	1.092	10.09
53)	T	isopropylbenzene	1.712	1.548	1.623	1.737	1.749	1.790	1.812	1.710	5.49
54)	T	bromobenzene	0.410	0.353	0.355	0.369	0.375	0.382	0.388	0.376	5.28
55)	T,P	bromoform	0.072	0.069	0.071	0.081	0.084	0.094	0.103	0.082#	15.86
56)	S	4-bromofluorob...	0.437	0.438	0.437	0.447	0.444	0.447	0.456	0.444	1.57
57)		1,2,3-trichlor...	0.059	0.050	0.050	0.052	0.052	0.052	0.054	0.053	5.71
58)	T	n-propylbenzene	2.212	2.001	2.099	2.228	2.255	2.304	2.326	2.204	5.24
59)	T	2-chlorotoluene	1.392	1.233	1.252	1.311	1.325	1.339	1.348	1.314	4.22
60)	T	4-chlorotoluene	1.554	1.381	1.400	1.478	1.492	1.510	1.528	1.478	4.36
61)	T	1,3,5-trimethy...	1.592	1.423	1.491	1.596	1.620	1.661	1.689	1.582	5.94
62)	I	1,4-dichlorobenzen...	----------ISTD----------								
63)	T	1,1,2,2-tetrac...	0.368	0.356	0.335	0.361	0.368	0.372	0.368	0.361	3.49
64)	T	tert-butylbenzene	3.012	2.748	2.850	2.982	3.033	3.081	3.057	2.966	4.11
65)	T	sec-butylbenzene	4.260	3.840	4.100	4.376	4.456	4.567	4.521	4.303	6.03
66)	T	1,2,4-trimethy...	3.901	3.210	3.317	3.520	3.549	3.631	3.584	3.530	6.32
67)	T	1,3-dichlorobe...	1.877	1.642	1.628	1.692	1.708	1.694	1.668	1.701	4.85
68)	T	p-isopropyltol...	3.161	2.922	3.195	3.513	3.579	3.723	3.734	3.404	9.20
69)	T	1,4-dichlorobe...	1.845	1.594	1.571	1.617	1.644	1.648	1.619	1.648	5.52
70)	T	1,2-dichlorobe...	1.482	1.296	1.310	1.349	1.362	1.362	1.325	1.355	4.54
71)	T	n-butylbenzene	2.245	2.080	2.366	2.755	2.832	3.146	3.231	2.665	16.75
72)	T	1,2-dibromo-3-...	0.040	0.035	0.035	0.039	0.040	0.042	0.046	0.039	10.08
73)	T	1,2,4-trichlor...	0.358	0.377	0.505	0.638	0.672	0.769	0.829	0.593	31.20
74)	T	hexachlorobuta...	0.488	0.419	0.500	0.544	0.555	0.595	0.619	0.531	12.82
75)	T	naphthalene PQL=2	0.418	0.516	0.718	0.786	0.915	0.977	0.722		30.45
76)	T	1,2,3-trichlor...	0.206	0.221	0.311	0.435	0.474	0.562	0.604	0.402	39.65

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100602.D
Acq On : 6 Oct 2007 11:25 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 1 ppb,1,
Misc : 8260_W
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 09:36:17 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.538	96	498098	10.00	ug/L		0.00
35) chlorobenzene-d5	12.105	117	320694	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.875	152	135945	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.686	113	92203	6.36	ug/L		0.00
Spiked Amount 10.000			Recovery = 63.60%				
26) 1,2-dichloroethane-d4	7.130	65	82057	6.82	ug/L		0.00
Spiked Amount 10.000			Recovery = 68.20%				
38) toluene-d8	9.800	98	467972	11.71	ug/L		0.00
Spiked Amount 10.000			Recovery = 117.10%				
56) 4-bromofluorobenzene	14.093	95	140234	8.61	ug/L		0.00
Spiked Amount 10.000			Recovery = 86.10%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.809	85	8152	0.33	ug/L		97
3) chloromethane	2.058	50	15372	0.40	ug/L		97
4) vinyl chloride	2.192	62	15072	0.47	ug/L		96
5) bromomethane	2.624	94	4893	0.36	ug/L		93
6) chloroethane	2.758	64	9769	0.57	ug/L		98
7) trichlorofluoromethane	3.062	101	15602	0.45	ug/L	#	96
8) acrolein	3.682	56	3035	5.42	ug/L		80
9) 1,1-dichloroethene	3.737	96	12619	0.66	ug/L		92
10) acetone	3.901	43	4916	1.87	ug/L		95
11) carbon disulfide	3.998	76	44035	0.65	ug/L		99
12) methylene chloride	4.400	84	25438	1.19	ug/L		93
13) acrylonitrile	4.771	53	13169	6.64	ug/L		95
14) trans-1,2-dichloroethene	4.710	96	15096	0.69	ug/L		95
15) methyl-t-butyl ether	4.704	73	17744	0.60	ug/L		95
16) acetonitrile	4.290	41	7703	7.46	ug/L		89
17) 1,1-dichloroethane	5.269	63	27699	0.63	ug/L		98
18) vinyl acetate	5.336	43	7927	0.52	ug/L		100
19) cis-1,2-dichloroethene	6.036	96	15650	0.68	ug/L		96
20) 2,2-dichloropropane	5.993	77	20994	0.57	ug/L		97
22) chloroform	6.467	83	24057	0.58	ug/L		96
24) 1,1,1-trichloroethane	6.644	97	19941	0.61	ug/L		96
25) carbon tetrachloride	6.844	117	15911	0.61	ug/L		94
27) benzene	7.148	78	63422	0.79	ug/L		97
28) 1,1-dichloropropene	6.857	75	18560	0.63	ug/L		99
29) 1,2-dichloroethane	7.234	62	12251	0.62	ug/L		97
30) trichloroethene	8.042	95	14650	0.65	ug/L		98
31) 1,2-dichloropropane	8.395	63	13437	0.62	ug/L		94
32) dibromomethane	8.590	93	4470	0.49	ug/L		95
33) bromodichloromethane	8.821	83	13242	0.46	ug/L		96
34) 2-chloroethyl vinyl ether	9.240	63	1184	0.27	ug/L	#	61
36) cis-1,3-dichloropropene	9.453	75	14973	0.72	ug/L		95
37) 4-methyl-2-pentanone	9.690	43	3417	0.83	ug/L	#	86
39) toluene	9.903	92	40126	1.19	ug/L		94
40) 1,1,2-trichloroethane	10.609	83	5273	0.79	ug/L		97
41) 1,3-dichloropropane	10.864	76	12420	0.92	ug/L		99
42) tetrachloroethene	10.730	164	11889	0.89	ug/L		97
43) trans-1,3-dichloropropene	10.317	75	9797	0.74	ug/L		96
44) 2-hexanone	10.998	43	2098	1.32	ug/L	#	82

Data Path : D:\msdchem\1\data\b100607\
Data File : b100602.D
Acq On : 6 Oct 2007 11:25 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 1 ppb,1,
Misc : 8260_W
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 09:36:17 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

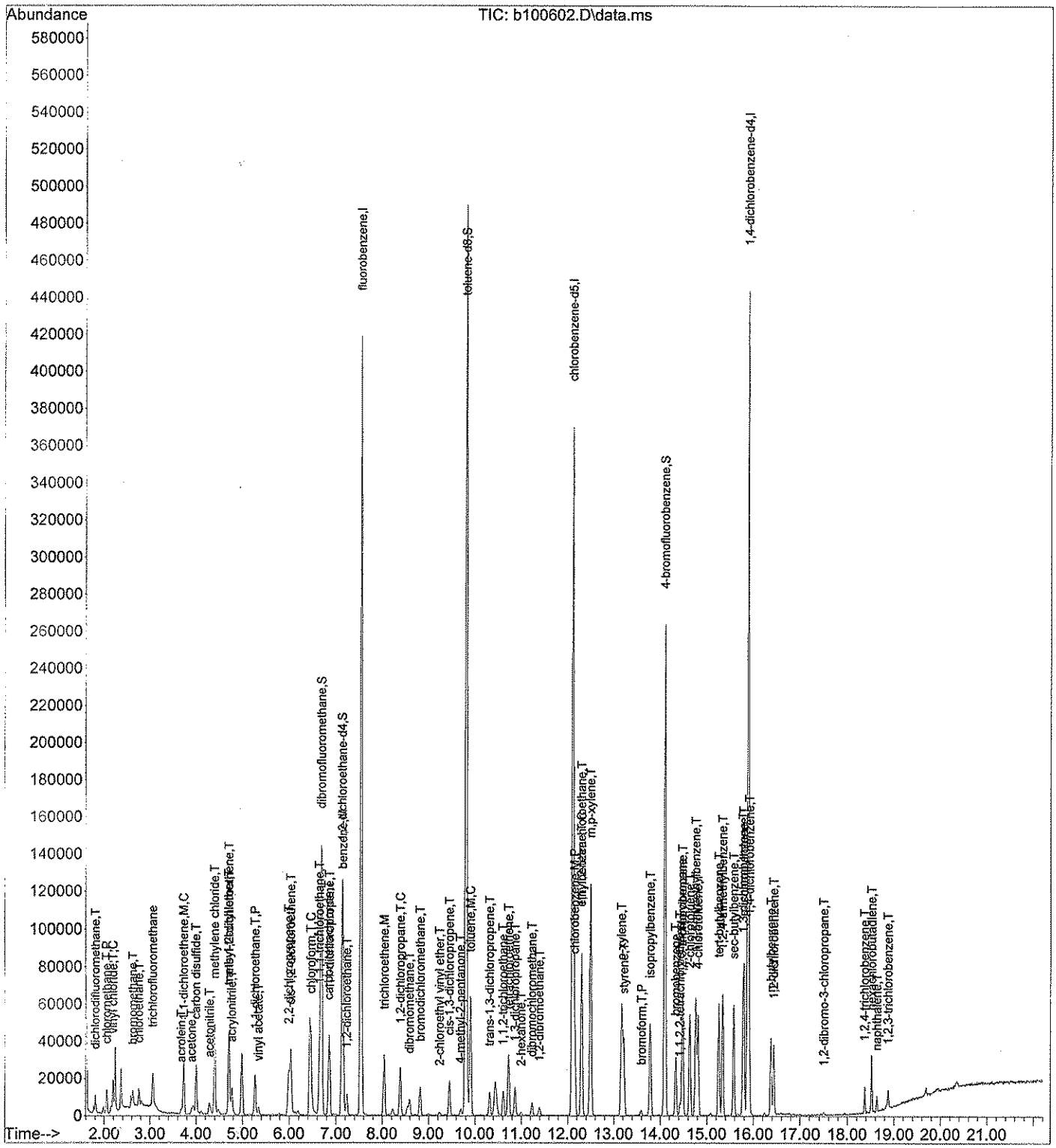
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) dibromochloromethane	11.229	129	5589	0.64	ug/L		97
46) 1,2-dibromoethane	11.393	107	5183	0.79	ug/L	#	99
47) chlorobenzene	12.147	112	38585	1.29	ug/L		97
48) 1,1,1,2-tetrachloroethane	12.299	131	9920	0.98	ug/L		99
49) ethylbenzene	12.299	91	69421	1.20	ug/L		100
50) m,p-xylene	12.494	106	58183	2.86	ug/L		99
51) o-xylene	13.163	106	26553	1.29	ug/L		98
52) styrene	13.218	104	32356	1.06	ug/L		99
53) isopropylbenzene	13.783	105	54904	1.17	ug/L		99
54) bromobenzene	14.337	156	13149	0.93	ug/L		98
55) bromoform	13.601	173	2295	0.37	ug/L		83
57) 1,2,3-trichloropropane	14.464	110	1882	1.21	ug/L		90
58) n-propylbenzene	14.476	91	70925	1.11	ug/L		100
59) 2-chlorotoluene	14.635	91	44642	1.14	ug/L		99
60) 4-chlorotoluene	14.811	91	49842	1.25	ug/L		100
61) 1,3,5-trimethylbenzene	14.762	105	51055	1.23	ug/L		100
63) 1,1,2,2-tetrachloroethane	14.422	83	4998	0.83	ug/L		98
64) tert-butylbenzene	15.255	119	40951	1.57	ug/L		99
65) sec-butylbenzene	15.577	105	57917	1.40	ug/L		100
66) 1,2,4-trimethylbenzene	15.334	105	53028	1.58	ug/L		99
67) 1,3-dichlorobenzene	15.778	146	25511	1.38	ug/L		97
68) p-isopropyltoluene	15.790	119	42967	1.45	ug/L		97
69) 1,4-dichlorobenzene	15.906	146	25085	1.47	ug/L		97
70) 1,2-dichlorobenzene	16.435	146	20153	1.34	ug/L		98
71) n-butylbenzene	16.374	91	30524	0.94	ug/L		99
72) 1,2-dibromo-3-chloropr...	17.493	75	543	0.78	ug/L	#	87
73) 1,2,4-trichlorobenzene	18.375	180	4862	0.56	ug/L		96
74) hexachlorobutadiene	18.521	225	6631	1.52	ug/L		93
75) naphthalene	18.636	128	6517	0.77	ug/L		100
76) 1,2,3-trichlorobenzene	18.873	180	2803	0.43	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100602.D
Acq On : 6 Oct 2007 11:25 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 1 ppb,1,
Misc : 8260_W
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 08 09:36:17 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100603.D
Acq On : 6 Oct 2007 11:57 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 2 ppb,1,
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 09:37:19 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.538	96	478169	10.00	ug/L		0.00
35) chlorobenzene-d5	12.105	117	314839	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.869	152	136458	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.686	113	90237	6.48	ug/L		0.00
Spiked Amount 10.000			Recovery =	64.80%			
26) 1,2-dichloroethane-d4	7.130	65	80521	6.97	ug/L		0.00
Spiked Amount 10.000			Recovery =	69.70%			
38) toluene-d8	9.800	98	456489	11.63	ug/L		0.00
Spiked Amount 10.000			Recovery =	116.30%			
56) 4-bromofluorobenzene	14.099	95	138056	8.63	ug/L		0.00
Spiked Amount 10.000			Recovery =	86.30%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.809	85	13647	0.57	ug/L		100
3) chloromethane	2.052	50	25385	0.68	ug/L		97
4) vinyl chloride	2.192	62	25317	0.82	ug/L		98
6) chloroethane	2.758	64	15749	0.96	ug/L		98
7) trichlorofluoromethane	3.062	101	28279	0.85	ug/L	#	100
8) acrolein	3.676	56	5043	9.39	ug/L		98
9) 1,1-dichloroethene	3.731	96	22089	1.20	ug/L		95
11) carbon disulfide	3.998	76	67268	1.03	ug/L		100
13) acrylonitrile	4.771	53	23403	12.30	ug/L		98
14) trans-1,2-dichloroethene	4.710	96	25285	1.20	ug/L		94
15) methyl-t-butyl ether	4.704	73	33268	1.17	ug/L		98
16) acetonitrile	4.284	41	11501	11.61	ug/L		95
17) 1,1-dichloroethane	5.269	63	46225	1.10	ug/L		99
19) cis-1,2-dichloroethene	6.035	96	26593	1.20	ug/L		93
20) 2,2-dichloropropane	5.993	77	35741	1.01	ug/L		99
22) chloroform	6.467	83	39735	0.99	ug/L		99
24) 1,1,1-trichloroethane	6.644	97	35274	1.13	ug/L		99
25) carbon tetrachloride	6.844	117	27907	1.12	ug/L		97
27) benzene	7.148	78	103941	1.35	ug/L		99
28) 1,1-dichloropropene	6.856	75	32956	1.17	ug/L		98
29) 1,2-dichloroethane	7.234	62	20627	1.09	ug/L		99
30) trichloroethene	8.042	95	25188	1.16	ug/L		99
31) 1,2-dichloropropane	8.389	63	23196	1.12	ug/L		99
32) dibromomethane	8.596	93	7335	0.84	ug/L		99
33) bromodichloromethane	8.821	83	22607	0.82	ug/L		99
36) cis-1,3-dichloropropene	9.453	75	26216	1.29	ug/L		98
37) 4-methyl-2-pentanone	9.690	43	6438	1.59	ug/L	#	86
39) toluene	9.897	92	66617	2.01	ug/L		99
40) 1,1,2-trichloroethane	10.615	83	9245	1.41	ug/L		90
41) 1,3-dichloropropane	10.864	76	21228	1.61	ug/L		100
42) tetrachloroethene	10.724	164	20484	1.56	ug/L		96
43) trans-1,3-dichloropropene	10.317	75	16662	1.28	ug/L		97
44) 2-hexanone	10.992	43	3446	2.21	ug/L		96
45) dibromochloromethane	11.229	129	10123	1.18	ug/L		85
46) 1,2-dibromoethane	11.393	107	9517	1.48	ug/L	#	97
47) chlorobenzene	12.147	112	65272	2.22	ug/L		98
48) 1,1,1,2-tetrachloroethane	12.299	131	18178	1.84	ug/L		97
49) ethylbenzene	12.299	91	118776	2.09	ug/L		98

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100603.D
Acq On : 6 Oct 2007 11:57 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 2 ppb,1,
Misc :
ALS Vial : 23 Sample Multiplier: 1

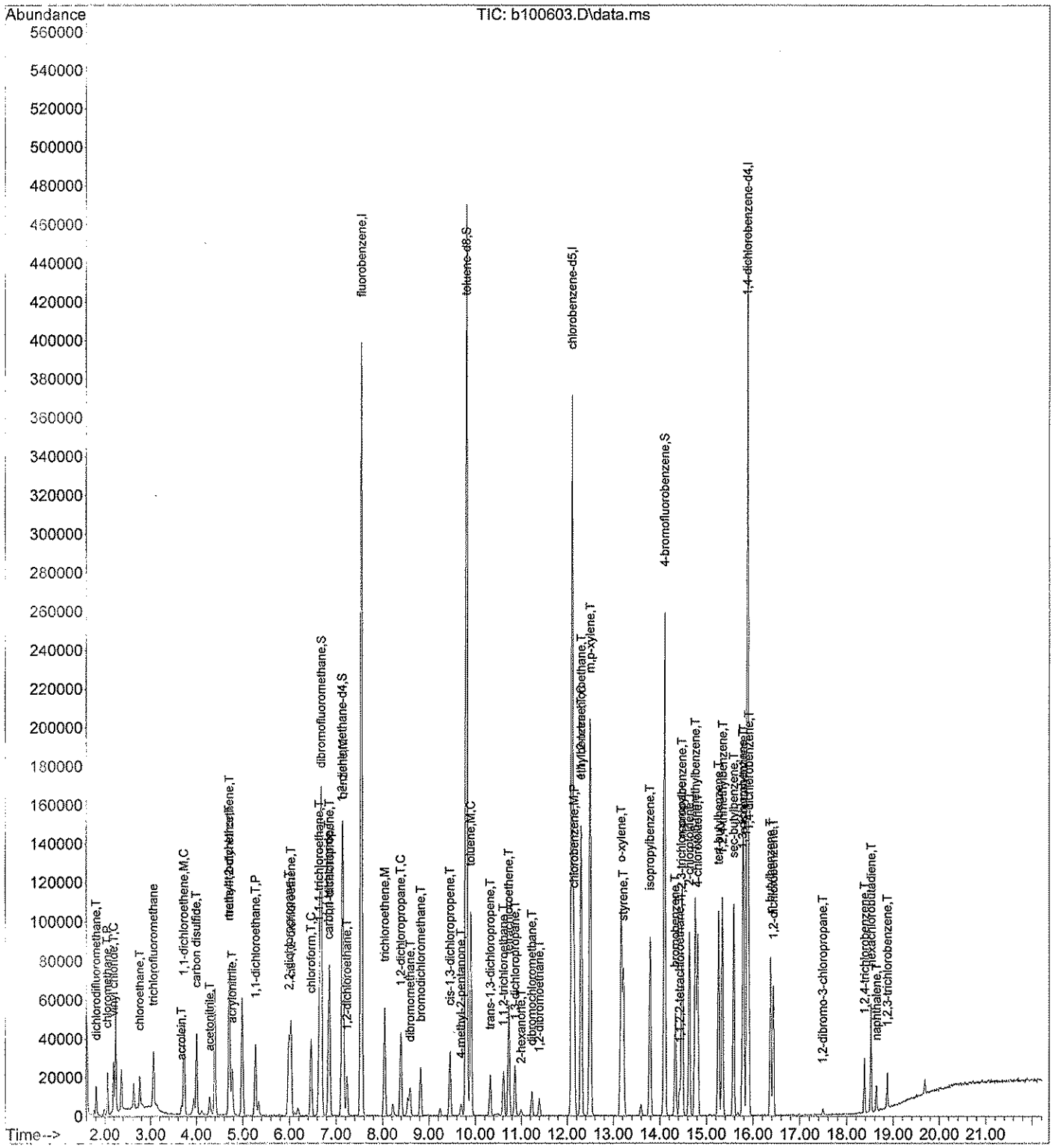
Quant Time: Oct 08 09:37:19 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) m,p-xylene	12.494	106	96947	4.86	ug/L		100
51) o-xylene	13.169	106	43609	2.16	ug/L		92
52) styrene	13.211	104	59364	1.98	ug/L		99
53) isopropylbenzene	13.783	105	97454	2.12	ug/L		100
54) bromobenzene	14.330	156	22199	1.60	ug/L		99
57) 1,2,3-trichloropropane	14.464	110	3149	2.06	ug/L		94
58) n-propylbenzene	14.476	91	126027	2.01	ug/L		100
59) 2-chlorotoluene	14.634	91	77619	2.02	ug/L		100
60) 4-chlorotoluene	14.811	91	86980	2.21	ug/L		99
61) 1,3,5-trimethylbenzene	14.762	105	89608	2.20	ug/L		99
63) 1,1,2,2-tetrachloroethane	14.428	83	9712	1.61	ug/L		97
64) tert-butylbenzene	15.255	119	75002	2.87	ug/L		99
65) sec-butylbenzene	15.577	105	104802	2.52	ug/L		100
66) 1,2,4-trimethylbenzene	15.340	105	87603	2.60	ug/L		99
67) 1,3-dichlorobenzene	15.772	146	44817	2.42	ug/L		99
68) p-isopropyltoluene	15.796	119	79749	2.68	ug/L		99
69) 1,4-dichlorobenzene	15.905	146	43496	2.54	ug/L		99
70) 1,2-dichlorobenzene	16.435	146	35363	2.35	ug/L		95
71) n-butylbenzene	16.368	91	56768	1.75	ug/L		96
72) 1,2-dibromo-3-chloropr...	17.487	75	953	1.36	ug/L	#	67
73) 1,2,4-trichlorobenzene	18.381	180	10278	1.18	ug/L		96
74) hexachlorobutadiene	18.520	225	11447	2.61	ug/L		98
75) naphthalene	18.636	128	11404	1.34	ug/L		100
76) 1,2,3-trichlorobenzene	18.873	180	6020	0.93	ug/L		88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\msdchem\1\data\b100607\
Data File : b100603.D
Acq On : 6 Oct 2007 11:57 pm
Operator : JDB
Sample : ,ICAL,ICAL H20 2 ppb,1,
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 08 09:37:19 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100604.D
Acq On : 7 Oct 2007 12:28 am
Operator : JDB
Sample : ,ICAL,ICAL H20 4 ppb,1,
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 08 09:38:00 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.538	96	481428	10.00	ug/L		0.00
35) chlorobenzene-d5	12.105	117	314408	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.876	152	136158	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.687	113	90256	6.44	ug/L		0.00
Spiked Amount 10.000			Recovery = 64.40%				
26) 1,2-dichloroethane-d4	7.131	65	77887	6.69	ug/L		0.00
Spiked Amount 10.000			Recovery = 66.90%				
38) toluene-d8	9.800	98	456900	11.66	ug/L		0.00
Spiked Amount 10.000			Recovery = 116.60%				
56) 4-bromofluorobenzene	14.094	95	137328	8.60	ug/L		0.00
Spiked Amount 10.000			Recovery = 86.00%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.810	85	28880	1.20	ug/L		100
3) chloromethane	2.053	50	50109	1.34	ug/L		99
4) vinyl chloride	2.193	62	50890	1.64	ug/L		96
5) bromomethane	2.624	94	15699	1.19	ug/L		99
6) chloroethane	2.758	64	30465	1.84	ug/L		99
7) trichlorofluoromethane	3.062	101	58485	1.75	ug/L	#	99
8) acrolein	3.676	56	10010	18.51	ug/L		98
9) 1,1-dichloroethene	3.731	96	44895	2.43	ug/L		98
10) acetone	3.901	43	4927	1.94	ug/L		95
11) carbon disulfide	3.999	76	135457	2.06	ug/L		99
12) methylene chloride	4.394	84	55309	2.68	ug/L		99
13) acrylonitrile	4.765	53	47300	24.69	ug/L		98
14) trans-1,2-dichloroethene	4.710	96	50092	2.37	ug/L		98
15) methyl-t-butyl ether	4.704	73	63661	2.22	ug/L		96
16) acetonitrile	4.279	41	19839	19.89	ug/L		97
17) 1,1-dichloroethane	5.270	63	91893	2.17	ug/L		97
18) vinyl acetate	5.337	43	25507	1.73	ug/L		95
19) cis-1,2-dichloroethene	6.030	96	52505	2.34	ug/L		99
20) 2,2-dichloropropane	5.987	77	72916	2.04	ug/L		99
21) 2-butanone	6.115	72	1241	2.22	ug/L	#	76
22) chloroform	6.462	83	78132	1.94	ug/L		98
24) 1,1,1-trichloroethane	6.644	97	72028	2.29	ug/L		99
25) carbon tetrachloride	6.845	117	58218	2.32	ug/L		99
27) benzene	7.149	78	208144	2.68	ug/L		99
28) 1,1-dichloropropene	6.863	75	67830	2.39	ug/L		99
29) 1,2-dichloroethane	7.234	62	40662	2.13	ug/L		99
30) trichloroethene	8.043	95	50590	2.31	ug/L		97
31) 1,2-dichloropropane	8.390	63	46208	2.21	ug/L		96
32) dibromomethane	8.590	93	14420	1.65	ug/L		98
33) bromodichloromethane	8.821	83	45486	1.64	ug/L		98
34) 2-chloroethyl vinyl ether	9.241	63	5333	1.26	ug/L		98
36) cis-1,3-dichloropropene	9.448	75	52684	2.59	ug/L		99
37) 4-methyl-2-pentanone	9.691	43	12476	3.09	ug/L		96
39) toluene	9.904	92	130872	3.96	ug/L		96
40) 1,1,2-trichloroethane	10.609	83	18373	2.81	ug/L		98
41) 1,3-dichloropropane	10.865	76	40903	3.10	ug/L		99
42) tetrachloroethene	10.731	164	42192	3.23	ug/L		98
43) trans-1,3-dichloropropene	10.323	75	33737	2.59	ug/L		99

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100604.D
Acq On : 7 Oct 2007 12:28 am
Operator : JDB
Sample : ,ICAL,ICAL H20 4 ppb,1,
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 08 09:38:00 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

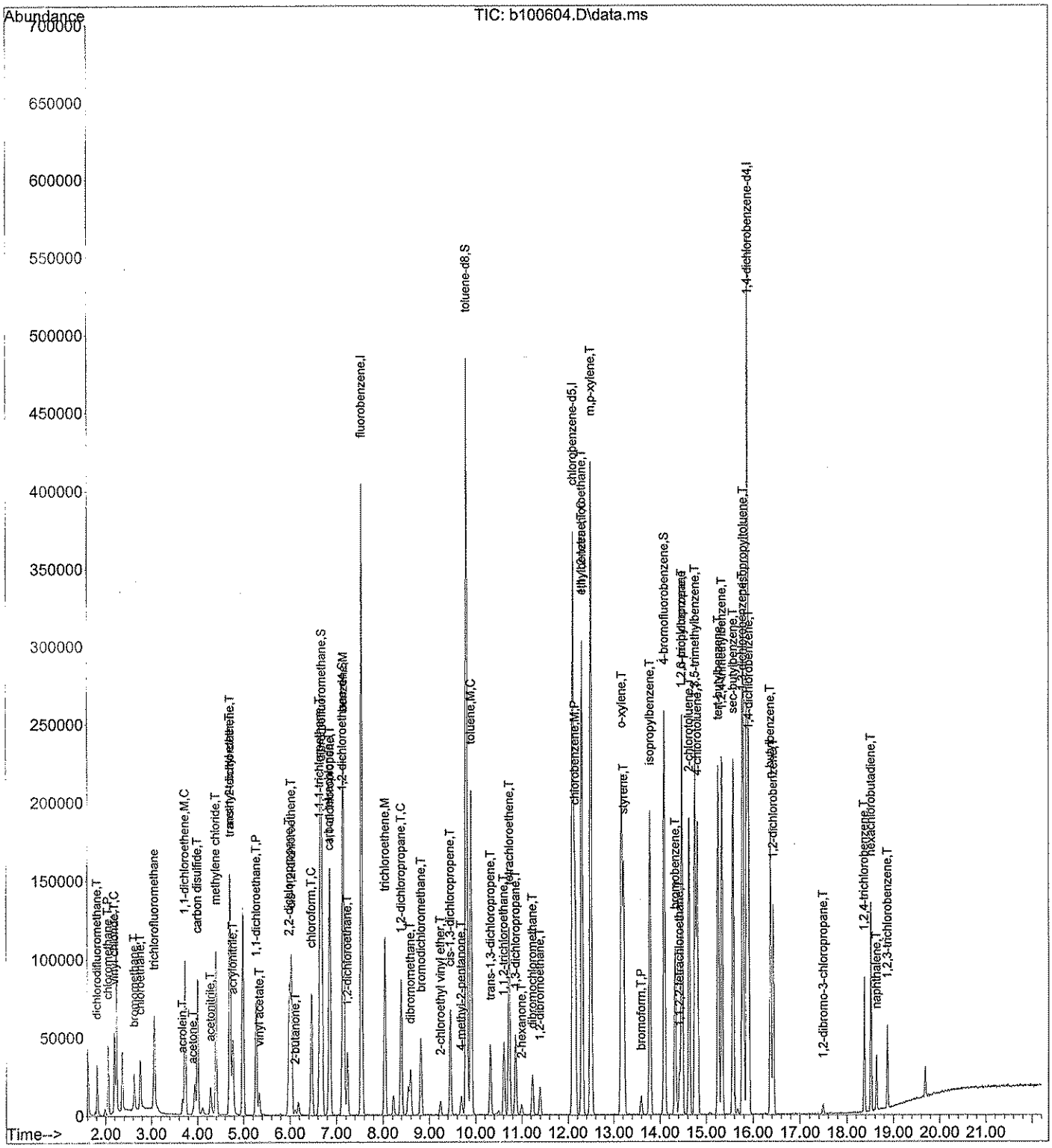
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2-hexanone	10.992	43	7121	4.57	ug/L		89
45) dibromochloromethane	11.229	129	20641	2.40	ug/L		97
46) 1,2-dibromoethane	11.394	107	18775	2.93	ug/L	#	99
47) chlorobenzene	12.148	112	129962	4.43	ug/L		97
48) 1,1,1,2-tetrachloroethane	12.300	131	36407	3.68	ug/L		100
49) ethylbenzene	12.300	91	240108	4.22	ug/L		99
50) m,p-xylene	12.494	106	194889	9.77	ug/L		100
51) o-xylene	13.169	106	88784	4.40	ug/L		97
52) styrene	13.212	104	124616	4.16	ug/L		98
53) isopropylbenzene	13.784	105	204108	4.45	ug/L		99
54) bromobenzene	14.337	156	44705	3.22	ug/L		99
55) bromoform	13.595	173	8873	1.47	ug/L		98
57) 1,2,3-trichloropropane	14.471	110	6260	4.11	ug/L		98
58) n-propylbenzene	14.477	91	263996	4.21	ug/L		100
59) 2-chlorotoluene	14.629	91	157488	4.10	ug/L		100
60) 4-chlorotoluene	14.811	91	176046	4.49	ug/L		100
61) 1,3,5-trimethylbenzene	14.763	105	187479	4.60	ug/L		100
63) 1,1,2,2-tetrachloroethane	14.422	83	18246	3.02	ug/L		91
64) tert-butylbenzene	15.255	119	155241	5.95	ug/L		100
65) sec-butylbenzene	15.578	105	223284	5.37	ug/L		100
66) 1,2,4-trimethylbenzene	15.334	105	180663	5.37	ug/L		100
67) 1,3-dichlorobenzene	15.772	146	88661	4.80	ug/L		99
68) p-isopropyltoluene	15.790	119	174027	5.86	ug/L		99
69) 1,4-dichlorobenzene	15.906	146	85548	5.00	ug/L		98
70) 1,2-dichlorobenzene	16.429	146	71363	4.75	ug/L		99
71) n-butylbenzene	16.368	91	128886	3.98	ug/L		99
72) 1,2-dibromo-3-chloropr...	17.493	75	1880	2.69	ug/L		94
73) 1,2,4-trichlorobenzene	18.375	180	27516	3.16	ug/L		95
74) hexachlorobutadiene	18.515	225	27211	6.22	ug/L		100
75) naphthalene	18.637	128	28085	3.31	ug/L		100
76) 1,2,3-trichlorobenzene	18.874	180	16943	2.62	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100604.D
Acq On : 7 Oct 2007 12:28 am
Operator : JDB
Sample : ,ICAL,ICAL H20 4 ppb,1,
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 08 09:38:00 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100605.D
Acq On : 7 Oct 2007 1:00 am
Operator : JDB
Sample : ,ICAL,ICAL H20 8 ppb,1,
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 08 09:38:21 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	482387	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	316644	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.873	152	141126	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.684	113	91522	6.52	ug/L		0.00
Spiked Amount 10.000			Recovery =	65.20%			
26) 1,2-dichloroethane-d4	7.128	65	80094	6.87	ug/L		0.00
Spiked Amount 10.000			Recovery =	68.70%			
38) toluene-d8	9.798	98	464621	11.77	ug/L		0.00
Spiked Amount 10.000			Recovery =	117.70%			
56) 4-bromofluorobenzene	14.097	95	141632	8.81	ug/L		0.00
Spiked Amount 10.000			Recovery =	88.10%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.813	85	59154	2.46	ug/L		96
3) chloromethane	2.056	50	99788	2.66	ug/L		99
4) vinyl chloride	2.196	62	104028	3.34	ug/L		96
5) bromomethane	2.622	94	34320	2.59	ug/L		97
6) chloroethane	2.761	64	61539	3.70	ug/L		94
7) trichlorofluoromethane	3.066	101	118226	3.52	ug/L	#	99
8) acrolein	3.674	56	20582	37.98	ug/L		94
9) 1,1-dichloroethene	3.734	96	93690	5.05	ug/L		99
10) acetone	3.905	43	9291	3.65	ug/L		88
11) carbon disulfide	4.002	76	285381	4.32	ug/L		99
12) methylene chloride	4.397	84	103539	5.01	ug/L		100
13) acrylonitrile	4.762	53	93162	48.52	ug/L		97
14) trans-1,2-dichloroethene	4.707	96	106761	5.03	ug/L		99
15) methyl-t-butyl ether	4.695	73	129217	4.51	ug/L		99
16) acetonitrile	4.276	41	39888	39.91	ug/L		100
17) 1,1-dichloroethane	5.267	63	190567	4.50	ug/L		99
18) vinyl acetate	5.334	43	56986	3.85	ug/L		98
19) cis-1,2-dichloroethene	6.027	96	109474	4.88	ug/L		99
20) 2,2-dichloropropane	5.991	77	151834	4.24	ug/L		99
21) 2-butanone	6.100	72	2752	4.92	ug/L		99
22) chloroform	6.465	83	162971	4.04	ug/L		100
24) 1,1,1-trichloroethane	6.641	97	151169	4.80	ug/L		98
25) carbon tetrachloride	6.842	117	125211	4.99	ug/L		98
27) benzene	7.152	78	433133	5.56	ug/L		99
28) 1,1-dichloropropene	6.860	75	142387	5.01	ug/L		99
29) 1,2-dichloroethane	7.237	62	84307	4.41	ug/L		97
30) trichloroethene	8.040	95	105705	4.81	ug/L		99
31) 1,2-dichloropropane	8.387	63	96761	4.62	ug/L		96
32) dibromomethane	8.593	93	30287	3.45	ug/L		99
33) bromodichloromethane	8.818	83	99470	3.58	ug/L		98
34) 2-chloroethyl vinyl ether	9.244	63	14142	3.34	ug/L		100
36) cis-1,3-dichloropropene	9.451	75	115370	5.63	ug/L		98
37) 4-methyl-2-pentanone	9.688	43	27087	6.66	ug/L		94
39) toluene	9.901	92	272178	8.18	ug/L		98
40) 1,1,2-trichloroethane	10.612	83	38815	5.89	ug/L		95
41) 1,3-dichloropropane	10.862	76	87022	6.55	ug/L		100
42) tetrachloroethene	10.728	164	87565	6.65	ug/L		96
43) trans-1,3-dichloropropene	10.321	75	74905	5.71	ug/L		98

Data Path : D:\msdchem\1\data\b100607\
Data File : b100605.D
Acq On : 7 Oct 2007 1:00 am
Operator : JDB
Sample : ,ICAL,ICAL H20 8 ppb,1,
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 08 09:38:21 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

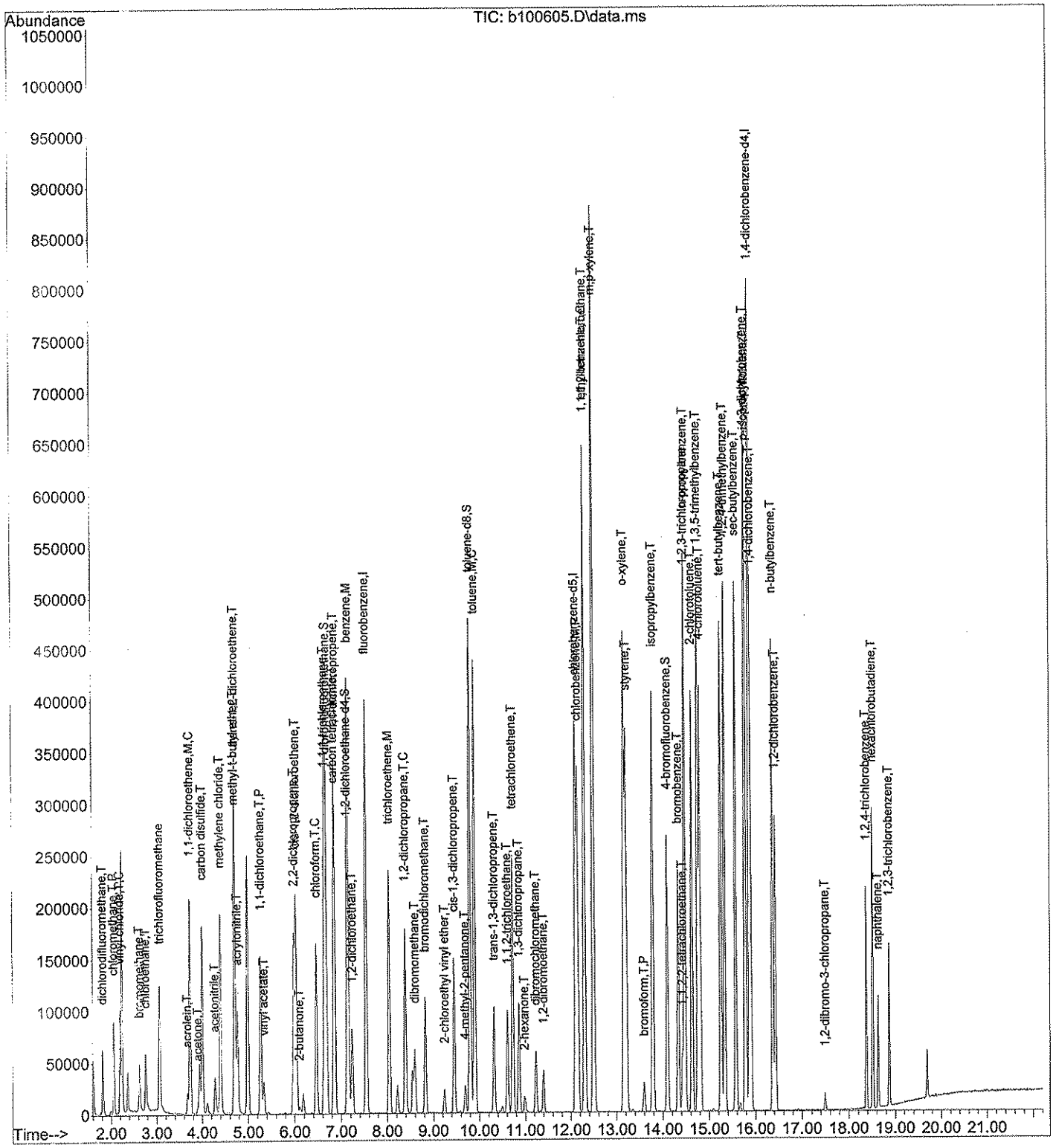
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2-hexanone	10.983	43	16500	10.51	ug/L	93
45)	dibromochloromethane	11.233	129	46806	5.40	ug/L	98
46)	1,2-dibromoethane	11.397	107	40444	6.26	ug/L	99
47)	chlorobenzene	12.151	112	269829	9.13	ug/L	97
48)	1,1,1,2-tetrachloroethane	12.303	131	79682	8.00	ug/L	99
49)	ethylbenzene	12.297	91	508657	8.88	ug/L	99
50)	m,p-xylene	12.492	106	413177	20.57	ug/L	100
51)	o-xylene	13.167	106	190621	9.38	ug/L	99
52)	styrene	13.215	104	284728	9.43	ug/L	98
53)	isopropylbenzene	13.787	105	440018	9.53	ug/L	100
54)	bromobenzene	14.334	156	93386	6.68	ug/L	99
55)	bromoform	13.592	173	20421	3.37	ug/L	95
57)	1,2,3-trichloropropane	14.468	110	13213	8.61	ug/L	100
58)	n-propylbenzene	14.474	91	564392	8.94	ug/L	100
59)	2-chlorotoluene	14.632	91	332126	8.59	ug/L	100
60)	4-chlorotoluene	14.809	91	374440	9.48	ug/L	100
61)	1,3,5-trimethylbenzene	14.760	105	404238	9.85	ug/L	100
63)	1,1,2,2-tetrachloroethane	14.425	83	40807	6.53	ug/L	96
64)	tert-butylbenzene	15.253	119	336652	12.45	ug/L	99
65)	sec-butylbenzene	15.575	105	494028	11.47	ug/L	100
66)	1,2,4-trimethylbenzene	15.338	105	397444	11.39	ug/L	100
67)	1,3-dichlorobenzene	15.776	146	191039	9.98	ug/L	99
68)	p-isopropyltoluene	15.794	119	396672	12.89	ug/L	99
69)	1,4-dichlorobenzene	15.903	146	182602	10.30	ug/L	99
70)	1,2-dichlorobenzene	16.432	146	152310	9.79	ug/L	99
71)	n-butylbenzene	16.371	91	311020	9.26	ug/L	97
72)	1,2-dibromo-3-chloropr...	17.490	75	4438	6.12	ug/L	99
73)	1,2,4-trichlorobenzene	18.378	180	72061	7.98	ug/L	99
74)	hexachlorobutadiene	18.518	225	61469	13.55	ug/L	99
75)	naphthalene	18.634	128	81059	9.22	ug/L	100
76)	1,2,3-trichlorobenzene	18.871	180	49119	7.32	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100605.D
Acq On : 7 Oct 2007 1:00 am
Operator : JDB
Sample : ,ICAL,ICAL H20 8 ppb,1,
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 08 09:38:21 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100606.D
Acq On : 7 Oct 2007 1:32 am
Operator : JDB
Sample : ,ICAL,ICAL H20 10 ppb,1,
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 08 09:30:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:29:57 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	485835	10.00	ug/L		0.00
35) chlorobenzene-d5	12.103	117	320209	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.873	152	142744	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.684	113	91343	6.46	ug/L		0.00
Spiked Amount 10.000			Recovery =	64.60%			
26) 1,2-dichloroethane-d4	7.128	65	79478	6.77	ug/L		0.00
Spiked Amount 10.000			Recovery =	67.70%			
38) toluene-d8	9.798	98	468232	11.73	ug/L		0.00
Spiked Amount 10.000			Recovery =	117.30%			
56) 4-bromofluorobenzene	14.097	95	142086	8.74	ug/L		0.00
Spiked Amount 10.000			Recovery =	87.40%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.813	85	73793	3.04	ug/L		96
3) chloromethane	2.056	50	129129	3.41	ug/L		97
4) vinyl chloride	2.196	62	135237	4.31	ug/L		91
5) bromomethane	2.622	94	45817	3.43	ug/L		97
6) chloroethane	2.756	64	78364	4.68	ug/L		96
7) trichlorofluoromethane	3.060	101	152795	4.52	ug/L	#	98
8) acrolein	3.674	56	26315	48.21	ug/L		88
9) 1,1-dichloroethene	3.735	96	118422	6.34	ug/L		99
10) acetone	3.899	43	11682	4.55	ug/L		87
11) carbon disulfide	4.002	76	361342	5.44	ug/L		96
12) methylene chloride	4.398	84	127223	6.11	ug/L		93
13) acrylonitrile	4.762	53	119277	61.69	ug/L		92
14) trans-1,2-dichloroethene	4.708	96	135169	6.33	ug/L		95
15) methyl-t-butyl ether	4.696	73	165523	5.73	ug/L		84
16) acetonitrile	4.276	41	48537	48.22	ug/L		98
17) 1,1-dichloroethane	5.267	63	241423	5.66	ug/L		94
18) vinyl acetate	5.334	43	68734	4.61	ug/L		93
19) cis-1,2-dichloroethene	6.027	96	140244	6.21	ug/L		94
20) 2,2-dichloropropane	5.985	77	191366	5.31	ug/L		98
21) 2-butanone	6.106	72	3635	6.46	ug/L	#	64
22) chloroform	6.465	83	208368	5.13	ug/L		99
24) 1,1,1-trichloroethane	6.642	97	192927	6.09	ug/L		95
25) carbon tetrachloride	6.842	117	160391	6.35	ug/L		97
27) benzene	7.152	78	548500	6.99	ug/L		97
28) 1,1-dichloropropene	6.860	75	179491	6.27	ug/L	#	91
29) 1,2-dichloroethane	7.231	62	106214	5.52	ug/L		92
30) trichloroethene	8.040	95	133806	6.04	ug/L		88
31) 1,2-dichloropropane	8.387	63	122142	5.79	ug/L		92
32) dibromomethane	8.594	93	38989	4.41	ug/L		100
33) bromodichloromethane	8.819	83	128560	4.59	ug/L		97
34) 2-chloroethyl vinyl ether	9.238	63	18576	4.36	ug/L	#	91
36) cis-1,3-dichloropropene	9.451	75	147882	7.14	ug/L		98
37) 4-methyl-2-pentanone	9.688	43	34646	8.42	ug/L	#	87
39) toluene	9.901	92	347052	10.31	ug/L		93
40) 1,1,2-trichloroethane	10.613	83	48923	7.35	ug/L		87
41) 1,3-dichloropropane	10.862	76	109468	8.14	ug/L	#	84
42) tetrachloroethene	10.728	164	109609	8.23	ug/L	#	79
43) trans-1,3-dichloropropene	10.321	75	96558	7.28	ug/L		97

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100606.D
Acq On : 7 Oct 2007 1:32 am
Operator : JDB
Sample : ,ICAL,ICAL H20 10 ppb,1,
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 08 09:30:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:29:57 2007
Response via : Initial Calibration

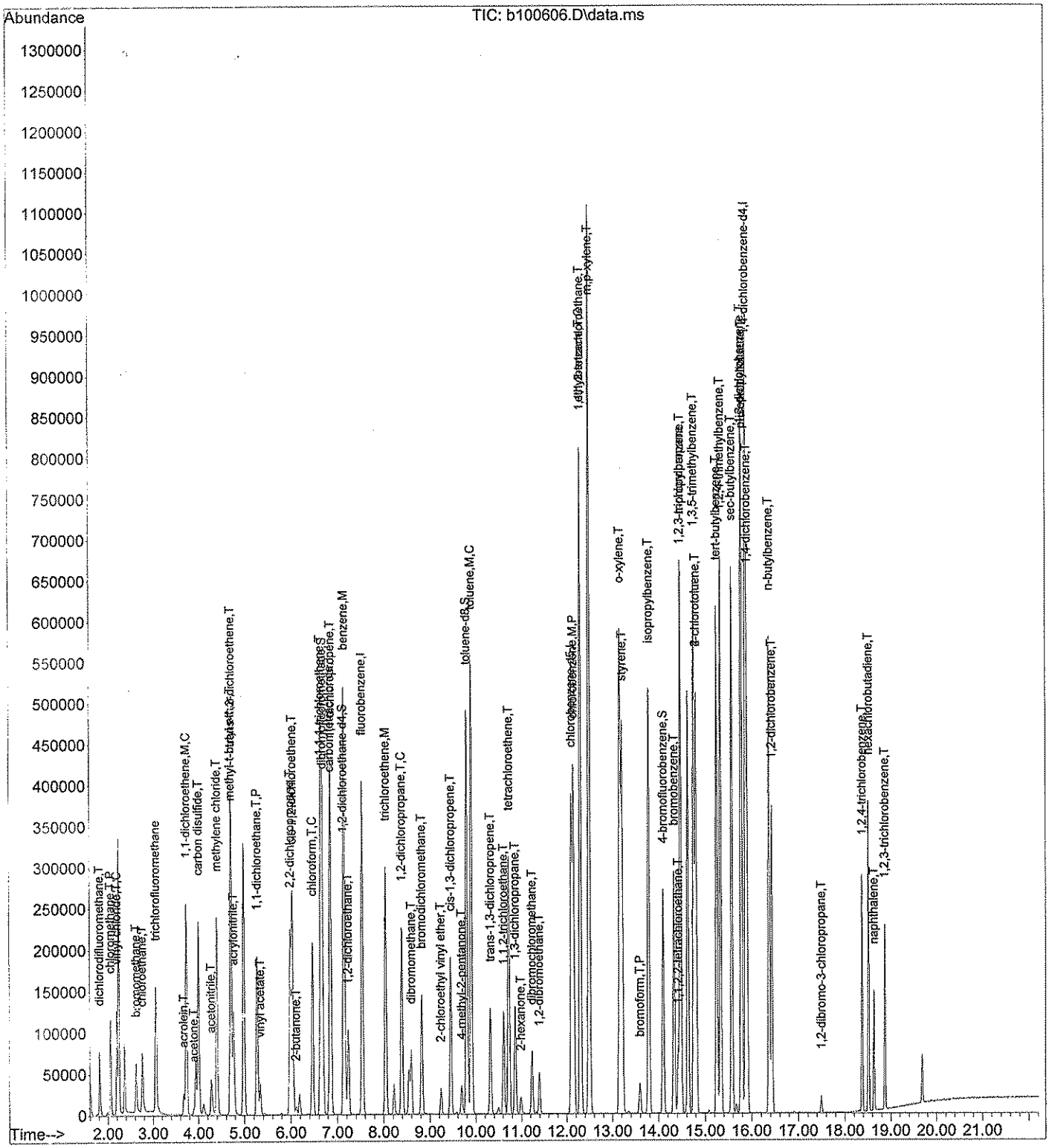
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2-hexanone	10.984	43	21026	13.25	ug/L	#	40
45) dibromochloromethane	11.233	129	61808	7.06	ug/L		93
46) 1,2-dibromoethane	11.391	107	51746	7.92	ug/L		96
47) chlorobenzene	12.145	112	344595	11.53	ug/L		92
48) 1,1,1,2-tetrachloroethane	12.303	131	101614	10.09	ug/L		91
49) ethylbenzene	12.297	91	647053	11.17	ug/L		88
50) m,p-xylene	12.492	106	524788	25.84	ug/L		91
51) o-xylene	13.167	106	242517	11.80	ug/L		92
52) styrene	13.215	104	369388	12.09	ug/L		91
53) isopropylbenzene	13.787	105	560018	11.99	ug/L		91
54) bromobenzene	14.334	156	120057	8.49	ug/L	#	79
55) bromoform	13.592	173	26803	4.37	ug/L		98
57) 1,2,3-trichloropropane	14.468	110	16635	10.72	ug/L	#	33
58) n-propylbenzene	14.474	91	722106	11.31	ug/L	#	89
59) 2-chlorotoluene	14.809	91	477734	11.98	ug/L		97
60) 4-chlorotoluene	14.809	91	477734	11.96	ug/L		93
61) 1,3,5-trimethylbenzene	14.760	105	518817	12.51	ug/L		89
63) 1,1,2,2-tetrachloroethane	14.426	83	52479	8.30	ug/L		95
64) tert-butylbenzene	15.253	119	432959	15.83	ug/L	#	83
65) sec-butylbenzene	15.575	105	636072	14.60	ug/L		93
66) 1,2,4-trimethylbenzene	15.338	105	506627	14.35	ug/L		92
67) 1,3-dichlorobenzene	15.776	146	243837	12.59	ug/L		93
68) p-isopropyltoluene	15.794	119	510839	16.42	ug/L		92
69) 1,4-dichlorobenzene	15.903	146	234609	13.09	ug/L		89
70) 1,2-dichlorobenzene	16.432	146	194457	12.36	ug/L		92
71) n-butylbenzene	16.372	91	404260	11.89	ug/L		91
72) 1,2-dibromo-3-chloropr...	17.491	75	5655	7.71	ug/L	#	60
73) 1,2,4-trichlorobenzene	18.379	180	95978	10.51	ug/L		97
74) hexachlorobutadiene	18.518	225	79216	17.27	ug/L		96
75) naphthalene	18.634	128	112246	12.62	ug/L		100
76) 1,2,3-trichlorobenzene	18.871	180	67648	9.96	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100606.D
Acq On : 7 Oct 2007 1:32 am
Operator : JDB
Sample : ,ICAL,ICAL H20 10 ppb,1,
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 08 09:30:08 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:29:57 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100607.D
Acq On : 7 Oct 2007 2:03 am
Operator : JDB
Sample : ,ICAL,ICAL H20 20 ppb,1,
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 08 09:38:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	491091	10.00	ug/L		0.00
35) chlorobenzene-d5	12.102	117	325093	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	146951	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.683	113	92580	6.48	ug/L		0.00
Spiked Amount 10.000			Recovery =	64.80%			
26) 1,2-dichloroethane-d4	7.133	65	79231	6.68	ug/L		0.00
Spiked Amount 10.000			Recovery =	66.80%			
38) toluene-d8	9.797	98	472095	11.65	ug/L		0.00
Spiked Amount 10.000			Recovery =	116.50%			
56) 4-bromofluorobenzene	14.097	95	145428	8.81	ug/L		0.00
Spiked Amount 10.000			Recovery =	88.10%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	148508	6.06	ug/L		99
3) chloromethane	2.055	50	267363	6.99	ug/L		99
4) vinyl chloride	2.195	62	279962	8.82	ug/L		97
5) bromomethane	2.609	94	58482	4.33	ug/L		97
6) chloroethane	2.749	64	152903	9.04	ug/L		97
7) trichlorofluoromethane	3.059	101	311271	9.11	ug/L	#	100
8) acrolein	3.673	56	56703	102.78	ug/L		96
9) 1,1-dichloroethene	3.728	96	240515	12.74	ug/L		98
10) acetone	3.892	43	23115	8.91	ug/L		86
11) carbon disulfide	4.001	76	737287	10.97	ug/L		100
12) methylene chloride	4.397	84	242808	11.54	ug/L		99
13) acrylonitrile	4.762	53	248718	127.25	ug/L		97
14) trans-1,2-dichloroethene	4.707	96	271833	12.59	ug/L		97
15) methyl-t-butyl ether	4.689	73	346441	11.87	ug/L		100
16) acetonitrile	4.275	41	100019	98.30	ug/L		96
17) 1,1-dichloroethane	5.266	63	487743	11.31	ug/L		99
18) vinyl acetate	5.333	43	144174	9.57	ug/L		99
19) cis-1,2-dichloroethene	6.033	96	283397	12.41	ug/L		98
20) 2,2-dichloropropane	5.990	77	387127	10.62	ug/L		100
21) 2-butanone	6.100	72	7667	13.47	ug/L		94
22) chloroform	6.464	83	415800	10.13	ug/L		99
24) 1,1,1-trichloroethane	6.641	97	390612	12.19	ug/L		99
25) carbon tetrachloride	6.841	117	328224	12.85	ug/L		99
27) benzene	7.152	78	1113691	14.04	ug/L		99
28) 1,1-dichloropropene	6.860	75	369768	12.79	ug/L		99
29) 1,2-dichloroethane	7.231	62	213862	11.00	ug/L		99
30) trichloroethene	8.039	95	272381	12.17	ug/L		97
31) 1,2-dichloropropane	8.392	63	248302	11.64	ug/L		96
32) dibromomethane	8.593	93	78338	8.77	ug/L		97
33) bromodichloromethane	8.818	83	266167	9.40	ug/L		100
34) 2-chloroethyl vinyl ether	9.244	63	43517	10.10	ug/L		98
36) cis-1,3-dichloropropene	9.450	75	307932	14.65	ug/L		98
37) 4-methyl-2-pentanone	9.681	43	73818	17.67	ug/L		95
39) toluene	9.900	92	705156	20.64	ug/L		99
40) 1,1,2-trichloroethane	10.612	83	99981	14.79	ug/L		98
41) 1,3-dichloropropane	10.861	76	227202	16.65	ug/L		99
42) tetrachloroethene	10.727	164	224046	16.57	ug/L		99
43) trans-1,3-dichloropropene	10.320	75	206476	15.33	ug/L		99

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100607.D
Acq On : 7 Oct 2007 2:03 am
Operator : JDB
Sample : ,ICAL,ICAL H20 20 ppb,1,
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 08 09:38:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

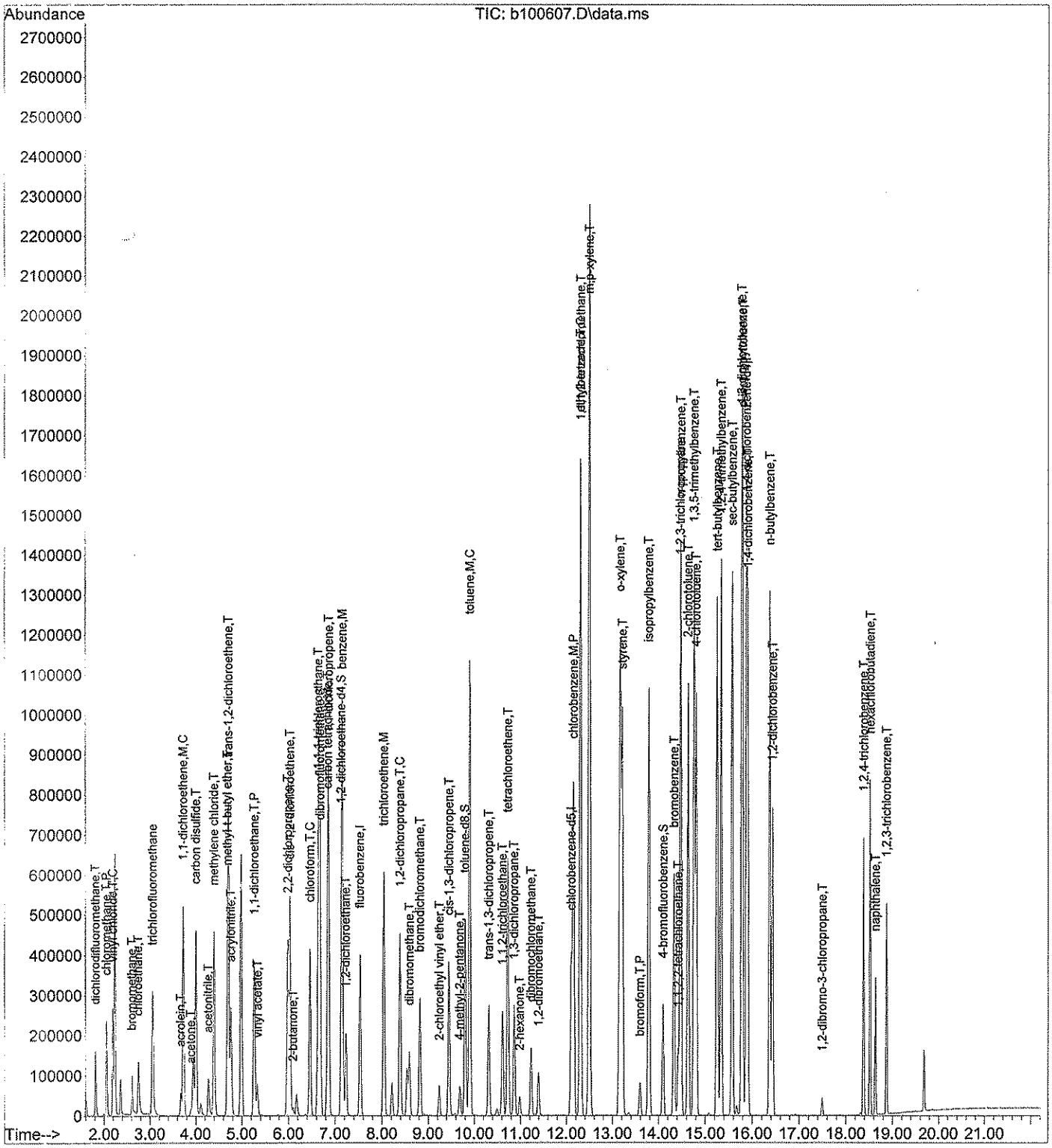
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2-hexanone	10.983	43	46049	28.58	ug/L	98
45) dibromochloromethane	11.232	129	131423	14.78	ug/L	99
46) 1,2-dibromoethane	11.396	107	107714	16.23	ug/L	99
47) chlorobenzene	12.150	112	700230	23.08	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.303	131	212008	20.74	ug/L	99
49) ethylbenzene	12.296	91	1326722	22.56	ug/L	99
50) m,p-xylene	12.491	106	1069071	51.85	ug/L	100
51) o-xylene	13.166	106	497075	23.82	ug/L	100
52) styrene	13.215	104	776884	25.05	ug/L	99
53) isopropylbenzene	13.780	105	1163909	24.55	ug/L	100
54) bromobenzene	14.334	156	248056	17.28	ug/L	99
55) bromoform	13.592	173	61082	9.81	ug/L	98
57) 1,2,3-trichloropropane	14.467	110	33804	21.45	ug/L	99
58) n-propylbenzene	14.474	91	1497930	23.10	ug/L	99
59) 2-chlorotoluene	14.632	91	870477	21.92	ug/L	99
60) 4-chlorotoluene	14.808	91	981707	24.21	ug/L	100
61) 1,3,5-trimethylbenzene	14.759	105	1079775	25.64	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.425	83	109302	16.79	ug/L	98
64) tert-butylbenzene	15.252	119	905543	32.15	ug/L	100
65) sec-butylbenzene	15.574	105	1342254	29.93	ug/L	100
66) 1,2,4-trimethylbenzene	15.337	105	1067228	29.37	ug/L	100
67) 1,3-dichlorobenzene	15.775	146	497767	24.97	ug/L	100
68) p-isopropyltoluene	15.793	119	1094271	34.16	ug/L	99
69) 1,4-dichlorobenzene	15.903	146	484475	26.25	ug/L	99
70) 1,2-dichlorobenzene	16.432	146	400291	24.71	ug/L	99
71) n-butylbenzene	16.371	91	924595	26.42	ug/L	99
72) 1,2-dibromo-3-chloropr...	17.490	75	12369	16.39	ug/L	95
73) 1,2,4-trichlorobenzene	18.378	180	226053	24.05	ug/L	97
74) hexachlorobutadiene	18.518	225	174999	37.05	ug/L	99
75) naphthalene	18.633	128	268831	29.36	ug/L	100
76) 1,2,3-trichlorobenzene	18.870	180	165176	23.63	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100607.D
Acq On : 7 Oct 2007 2:03 am
Operator : JDB
Sample : ,ICAL,ICAL H20 20 ppb,1,
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 08 09:38:59 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100608.D
Acq On : 7 Oct 2007 2:35 am
Operator : JDB
Sample : ,ICAL,ICAL H20 40 ppb,1,
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 08 09:39:36 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.535	96	492341	10.00	ug/L		0.00
35) chlorobenzene-d5	12.103	117	331863	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.873	152	154637	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.684	113	93831	6.55	ug/L		0.00
Spiked Amount 10.000			Recovery =	65.50%			
26) 1,2-dichloroethane-d4	7.128	65	79762	6.70	ug/L		0.00
Spiked Amount 10.000			Recovery =	67.00%			
38) toluene-d8	9.798	98	480308	11.61	ug/L		0.00
Spiked Amount 10.000			Recovery =	116.10%			
56) 4-bromofluorobenzene	14.097	95	151324	8.98	ug/L		0.00
Spiked Amount 10.000			Recovery =	89.80%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.807	85	285785	11.64	ug/L		100
3) chloromethane	2.050	50	533368	13.92	ug/L		99
4) vinyl chloride	2.196	62	555524	17.46	ug/L		97
5) bromomethane	2.604	94	34701	2.56	ug/L		99
6) chloroethane	2.737	64	298834	17.62	ug/L		99
7) trichlorofluoromethane	3.054	101	607860	17.75	ug/L	#	100
8) acrolein	3.668	56	119396	215.86	ug/L		98
9) 1,1-dichloroethene	3.729	96	488364	25.80	ug/L		100
10) acetone	3.893	43	45920	17.66	ug/L		96
11) carbon disulfide	3.996	76	1487475	22.08	ug/L		100
12) methylene chloride	4.398	84	478634	22.68	ug/L		98
13) acrylonitrile	4.762	53	501216	255.79	ug/L		99
14) trans-1,2-dichloroethene	4.708	96	548003	25.32	ug/L		99
15) methyl-t-butyl ether	4.689	73	705323	24.10	ug/L		98
16) acetonitrile	4.276	41	204317	200.29	ug/L		96
17) 1,1-dichloroethane	5.267	63	976565	22.58	ug/L		99
18) vinyl acetate	5.328	43	285626	18.91	ug/L		100
19) cis-1,2-dichloroethene	6.027	96	571754	24.97	ug/L		99
20) 2,2-dichloropropane	5.985	77	775370	21.21	ug/L		100
21) 2-butanone	6.088	72	16213	28.42	ug/L		93
22) chloroform	6.465	83	837053	20.34	ug/L		99
24) 1,1,1-trichloroethane	6.642	97	785356	24.45	ug/L		99
25) carbon tetrachloride	6.842	117	670318	26.17	ug/L		99
27) benzene	7.152	78	2228152	28.03	ug/L		100
28) 1,1-dichloropropene	6.860	75	744024	25.67	ug/L		99
29) 1,2-dichloroethane	7.231	62	432024	22.16	ug/L		99
30) trichloroethene	8.040	95	551717	24.58	ug/L		99
31) 1,2-dichloropropane	8.393	63	503062	23.53	ug/L		99
32) dibromomethane	8.594	93	160500	17.92	ug/L		99
33) bromodichloromethane	8.819	83	550821	19.41	ug/L		100
34) 2-chloroethyl vinyl ether	9.238	63	100804	23.34	ug/L		99
36) cis-1,3-dichloropropene	9.451	75	634154	29.55	ug/L		98
37) 4-methyl-2-pentanone	9.682	43	156756	36.76	ug/L		96
39) toluene	9.901	92	1428291	40.95	ug/L		98
40) 1,1,2-trichloroethane	10.613	83	204962	29.69	ug/L		98
41) 1,3-dichloropropane	10.862	76	460855	33.08	ug/L		99
42) tetrachloroethene	10.728	164	451035	32.69	ug/L		99
43) trans-1,3-dichloropropene	10.321	75	426340	31.02	ug/L		100

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100608.D
Acq On : 7 Oct 2007 2:35 am
Operator : JDB
Sample : ,ICAL,ICAL H20 40 ppb,1,
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 08 09:39:36 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration

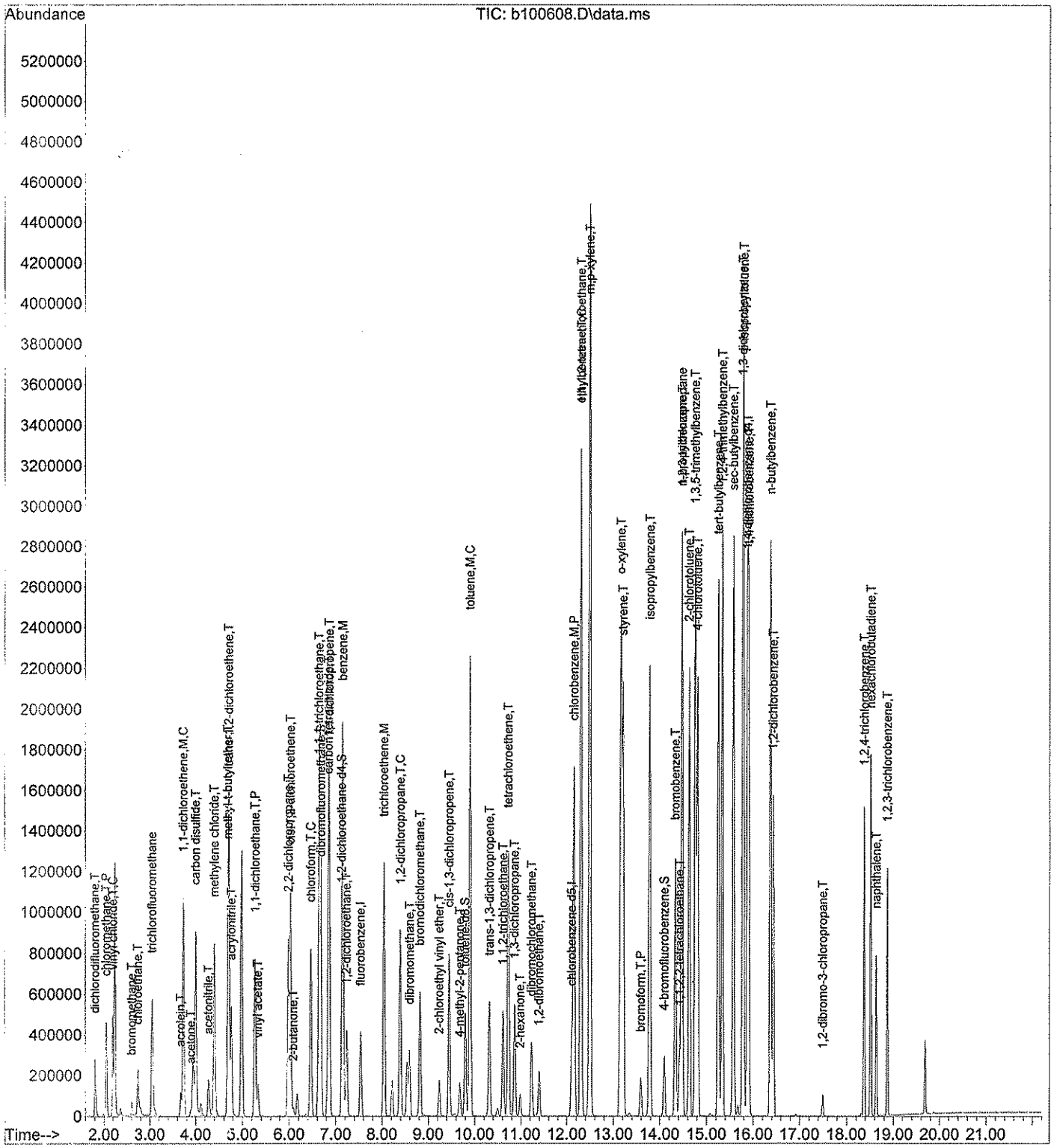
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2-hexanone	10.984	43	102802	62.50	ug/L	95
45) dibromochloromethane	11.233	129	287035	31.62	ug/L	96
46) 1,2-dibromoethane	11.391	107	221505	32.70	ug/L	100
47) chlorobenzene	12.151	112	1423746	45.97	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.303	131	432293	41.43	ug/L	100
49) ethylbenzene	12.303	91	2699855	44.98	ug/L	100
50) m,p-xylene	12.492	106	2188292	103.97	ug/L	97
51) o-xylene	13.167	106	1022460	47.99	ug/L	99
52) styrene	13.209	104	1627467	51.41	ug/L	99
53) isopropylbenzene	13.787	105	2404700	49.69	ug/L	100
54) bromobenzene	14.334	156	515178	35.16	ug/L	98
55) bromoform	13.592	173	136669	21.50	ug/L	98
57) 1,2,3-trichloropropane	14.474	110	71427	44.40	ug/L	99
58) n-propylbenzene	14.474	91	3087127	46.64	ug/L	100
59) 2-chlorotoluene	14.632	91	1790007	44.15	ug/L	99
60) 4-chlorotoluene	14.809	91	2027794	48.98	ug/L	100
61) 1,3,5-trimethylbenzene	14.760	105	2241760	52.14	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.426	83	227350	33.18	ug/L	95
64) tert-butylbenzene	15.253	119	1891061	63.81	ug/L	100
65) sec-butylbenzene	15.575	105	2796498	59.26	ug/L	100
66) 1,2,4-trimethylbenzene	15.338	105	2216644	57.97	ug/L	100
67) 1,3-dichlorobenzene	15.776	146	1031736	49.18	ug/L	100
68) p-isopropyltoluene	15.794	119	2309838	68.53	ug/L	99
69) 1,4-dichlorobenzene	15.903	146	1001480	51.57	ug/L	99
70) 1,2-dichlorobenzene	16.432	146	819821	48.09	ug/L	100
71) n-butylbenzene	16.372	91	1998557	54.28	ug/L	99
72) 1,2-dibromo-3-chloropr...	17.491	75	28460	35.84	ug/L	91
73) 1,2,4-trichlorobenzene	18.378	180	512879	51.84	ug/L	96
74) hexachlorobutadiene	18.518	225	382601	76.98	ug/L	99
75) naphthalene	18.634	128	604255	62.71	ug/L	100
76) 1,2,3-trichlorobenzene	18.871	180	373798	50.82	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b100607\
Data File : b100608.D
Acq On : 7 Oct 2007 2:35 am
Operator : JDB
Sample : ,ICAL,ICAL H20 40 ppb,1,
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 08 09:39:36 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 09/28/07
QLast Update : Mon Oct 08 09:35:41 2007
Response via : Initial Calibration



CONTINUING CALIBRATION RAW DATA

Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101002.D
Acq On : 10 Oct 2007 5:53 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 07:02:46 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	fluorobenzene	1.000	1.000	0.0	94	0.00
2	T	dichlorodifluoromethane	0.151	0.189	-25.2#	116	0.00
3	T,P	chloromethane	0.266	0.289#	-8.6	102	0.00
4	T,C	vinyl chloride	0.278	0.282	-1.4	95	0.00
5	T	bromomethane	0.090	0.075	16.7	74	0.01
6	T	chloroethane	0.164	0.156	4.9	90	0.02
7		trichlorofluoromethane	0.308	0.329	-6.8	98	0.01
8	T	acrolein	0.006	0.005	16.7	82	0.00
9	M,C	1,1-dichloroethene	0.242	0.236	2.5	91	0.00
10	T	acetone	0.024	0.026	-8.3	100	0.00
11	T	carbon disulfide	0.754	0.721	4.4	91	0.00
12	T	methylene chloride	0.276	0.254	8.0	91	0.00
13	T	acrylonitrile	0.025	0.022	12.0	83	0.00
14	T	trans-1,2-dichloroethene	0.277	0.273	1.4	92	0.00
15	T	methyl-t-butyl ether	0.346	0.312	9.8	86	0.00
16	T	acetonitrile	0.011	0.011	0.0	105	0.00
17	T,P	1,1-dichloroethane	0.500	0.464	7.2	87	0.00
18	T	vinyl acetate	0.142	0.127	10.6	84	0.00
19	T	cis-1,2-dichloroethene	0.288	0.275	4.5	89	0.00
20	T	2,2-dichloropropane	0.393	0.367	6.6	87	0.00
21	T	2-butanone	0.007	0.007	0.0	87	0.02
22	T,C	chloroform	0.429	0.405	5.6	88	0.00
23	S	dibromofluoromethane	0.188	0.192	-2.1	96	0.00
24	T	1,1,1-trichloroethane	0.390	0.366	6.2	86	0.00
25	T	carbon tetrachloride	0.320	0.301	5.9	85	0.00
26	S	1,2-dichloroethane-d4	0.164	0.166	-1.2	95	0.00
27	M	benzene	1.137	1.084	4.7	90	0.00
28	T	1,1-dichloropropene	0.366	0.336	8.2	85	0.00
29	T	1,2-dichloroethane	0.221	0.208	5.9	89	0.00
30	M	trichloroethene	0.275	0.257	6.5	87	0.00
31	T,C	1,2-dichloropropane	0.252	0.231	8.3	86	0.00
32	T	dibromomethane	0.080	0.074	7.5	87	0.00
33	T	bromodichloromethane	0.259	0.237	8.5	84	0.00
34	T	2-chloroethyl vinyl ether	0.037	0.022	40.5#	53	0.00
35	I	chlorobenzene-d5	1.000	1.000	0.0	94	0.00
36	T	cis-1,3-dichloropropene	0.453	0.403	11.0	82	0.00
37	T	4-methyl-2-pentanone	0.108	0.089	17.6	77	0.00
38	S	toluene-d8	1.456	1.460	-0.3	94	0.00
39	M,C	toluene	1.096	1.025	6.5	89	0.00
40	T	1,1,2-trichloroethane	0.153	0.143	6.5	88	0.00
41	T	1,3-dichloropropane	0.347	0.320	7.8	88	0.00
42	T	tetrachloroethene	0.343	0.336	2.0	93	0.00
43	T	trans-1,3-dichloropropene	0.296	0.265	10.5	83	0.00
44	T	2-hexanone	0.065	0.053	18.5	76	0.00
45	T	dibromochloromethane	0.185	0.174	5.9	85	0.00
46	T	1,2-dibromoethane	0.159	0.148	6.9	86	0.00
47	M,P	chlorobenzene	1.081	1.025	5.2	90	0.00
48	T	1,1,1,2-tetrachloroethane	0.310	0.300	3.2	89	0.00
49	T,C	ethylbenzene	2.009	1.897	5.6	89	0.00

Evaluate Continuing Calibration Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101002.D
Acq On : 10 Oct 2007 5:53 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 07:02:46 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
50	T	m,p-xylene	0.819	0.777	5.1	90	0.00
51	T	o-xylene	0.753	0.688	8.6	86	0.00
52	T	styrene	1.092	1.052	3.7	86	0.00
53	T	isopropylbenzene	1.710	1.624	5.0	88	0.00
54	T	bromobenzene	0.376	0.364	3.2	92	0.00
55	T,P	bromoform	0.082	0.078#	4.9	87	0.00
56	S	4-bromofluorobenzene	0.444	0.432	2.7	92	0.00
57		1,2,3-trichloropropane	0.053	0.052	1.9	94	0.00
58	T	n-propylbenzene	2.204	2.143	2.8	90	0.00
59	T	2-chlorotoluene	1.314	1.249	4.9	89	0.00
60	T	4-chlorotoluene	1.478	1.420	3.9	90	0.00
61	T	1,3,5-trimethylbenzene	1.582	1.554	1.8	91	0.00
62	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
63	T	1,1,2,2-tetrachloroethane	0.361	0.344	4.7	92	0.00
64	T	tert-butylbenzene	2.966	2.740	7.6	89	0.00
65	T	sec-butylbenzene	4.303	4.087	5.0	90	0.00
66	T	1,2,4-trimethylbenzene	3.530	3.273	7.3	90	0.00
67	T	1,3-dichlorobenzene	1.701	1.615	5.1	93	0.00
68	T	p-isopropyltoluene	3.404	3.305	2.9	91	0.00
69	T	1,4-dichlorobenzene	1.648	1.548	6.1	92	0.00
70	T	1,2-dichlorobenzene	1.355	1.288	4.9	93	0.00
71	T	n-butylbenzene	2.665	2.557	4.1	88	0.00
72	T	1,2-dibromo-3-chloropropane	0.039	0.036	7.7	90	0.00
73	T	1,2,4-trichlorobenzene	0.593	0.555	6.4	81	0.00
74	T	hexachlorobutadiene	0.531	0.543	-2.3	96	0.00
75	T	naphthalene	0.722	0.579	19.8	72	0.00
76	T	1,2,3-trichlorobenzene	0.402	0.401	0.2	83	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101002.D
Acq On : 10 Oct 2007 5:53 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial #: 2 Sample Multiplier: 1

Quant Time: Oct 10 07:02:46 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) fluorobenzene	7.540	96	454485	10.00	ug/L		0.00
35) chlorobenzene-d5	12.101	117	302099	10.00	ug/L		0.00
62) 1,4-dichlorobenzene-d4	15.872	152	139926	10.00	ug/L		0.00
System Monitoring Compounds							
23) dibromofluoromethane	6.683	113	87329	10.20	ug/L		0.00
Spiked Amount 10.000			Recovery =	102.00%			
26) 1,2-dichloroethane-d4	7.133	65	75319	10.11	ug/L		0.00
Spiked Amount 10.000			Recovery =	101.10%			
38) toluene-d8	9.803	98	441137	10.03	ug/L		0.00
Spiked Amount 10.000			Recovery =	100.30%			
56) 4-bromofluorobenzene	14.096	95	130520	9.73	ug/L		0.00
Spiked Amount 10.000			Recovery =	97.30%			
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.812	85	85828	12.50	ug/L		100
3) chloromethane	2.055	50	131138	10.87	ug/L		100
4) vinyl chloride	2.195	62	128086	10.13	ug/L		99
5) bromomethane	2.614	94	34042	8.32	ug/L		99
6) chloroethane	2.754	64	70896	9.52	ug/L		99
7) trichlorofluoromethane	3.064	101	149629	10.67	ug/L	#	99
8) acrolein	3.673	56	21570	84.86	ug/L		95
9) 1,1-dichloroethene	3.733	96	107403	9.75	ug/L		98
10) acetone	3.898	43	11735	10.71	ug/L		94
11) carbon disulfide	4.001	76	327610	9.56	ug/L		100
12) methylene chloride	4.396	84	115611	9.20	ug/L		97
13) acrylonitrile	4.767	53	98676	86.88	ug/L		97
14) trans-1,2-dichloroethene	4.706	96	124296	9.88	ug/L		97
15) methyl-t-butyl ether	4.694	73	141630	9.01	ug/L		99
16) acetonitrile	4.275	41	50937	99.71	ug/L		97
17) 1,1-dichloroethane	5.266	63	210976	9.28	ug/L		98
18) vinyl acetate	5.333	43	57844	8.97	ug/L		98
19) cis-1,2-dichloroethene	6.032	96	124890	9.54	ug/L		96
20) 2,2-dichloropropane	5.983	77	166815	9.35	ug/L		99
21) 2-butanone	6.105	72	3157	9.79	ug/L		86
22) chloroform	6.464	83	184197	9.44	ug/L		98
24) 1,1,1-trichloroethane	6.640	97	166164	9.38	ug/L		98
25) carbon tetrachloride	6.847	117	136669	9.39	ug/L		99
27) benzene	7.151	78	492650	9.54	ug/L		99
28) 1,1-dichloropropene	6.859	75	152490	9.17	ug/L		99
29) 1,2-dichloroethane	7.236	62	94387	9.40	ug/L		98
30) trichloroethene	8.039	95	116969	9.35	ug/L		100
31) 1,2-dichloropropane	8.392	63	105052	9.18	ug/L		95
32) dibromomethane	8.592	93	33854	9.29	ug/L		98
33) bromodichloromethane	8.817	83	107887	9.17	ug/L		99
34) 2-chloroethyl vinyl ether	9.237	63	9832	5.84	ug/L		99
36) cis-1,3-dichloropropene	9.456	75	121644	8.89	ug/L		98
37) 4-methyl-2-pentanone	9.687	43	26807	8.21	ug/L		99
39) toluene	9.900	92	309723	9.36	ug/L		100
40) 1,1,2-trichloroethane	10.611	83	43265	9.36	ug/L		98
41) 1,3-dichloropropane	10.861	76	96607	9.21	ug/L		100
42) tetrachloroethene	10.727	164	101467	9.78	ug/L		98
43) trans-1,3-dichloropropene	10.319	75	79942	8.93	ug/L		99

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101002.D
Acq On : 10 Oct 2007 5:53 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 07:02:46 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

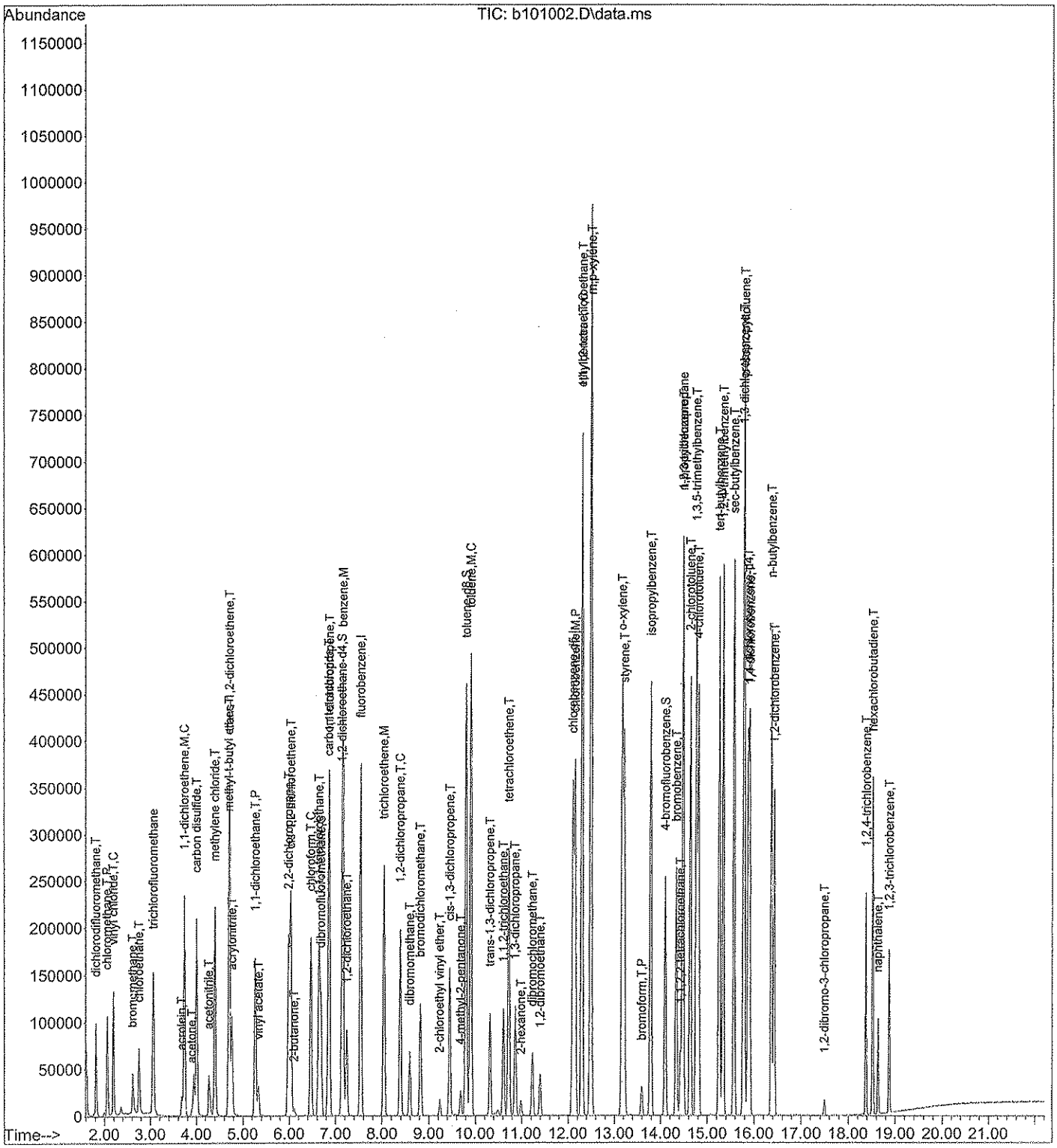
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2-hexanone	10.988	43	16020	8.15	ug/L	97
45) dibromochloromethane	11.232	129	52571	9.40	ug/L	94
46) 1,2-dibromoethane	11.396	107	44604	9.26	ug/L	100
47) chlorobenzene	12.150	112	309615	9.48	ug/L	99
48) 1,1,1,2-tetrachloroethane	12.302	131	90759	9.69	ug/L	100
49) ethylbenzene	12.302	91	573113	9.44	ug/L	100
50) m,p-xylene	12.497	106	469704	18.98	ug/L	100
51) o-xylene	13.166	106	207804	9.13	ug/L	99
52) styrene	13.214	104	317759	9.64	ug/L	98
53) isopropylbenzene	13.786	105	490546	9.50	ug/L	100
54) bromobenzene	14.333	156	109894	9.68	ug/L	96
55) bromoform	13.597	173	23431	9.49	ug/L	97
57) 1,2,3-trichloropropane	14.473	110	15619	9.82	ug/L	96
58) n-propylbenzene	14.473	91	647400	9.73	ug/L	100
59) 2-chlorotoluene	14.631	91	377277	9.50	ug/L	99
60) 4-chlorotoluene	14.807	91	429009	9.61	ug/L	99
61) 1,3,5-trimethylbenzene	14.759	105	469536	9.83	ug/L	100
63) 1,1,2,2-tetrachloroethane	14.424	83	48126	9.53	ug/L	100
64) tert-butylbenzene	15.251	119	383441	9.24	ug/L	99
65) sec-butylbenzene	15.574	105	571945	9.50	ug/L	99
66) 1,2,4-trimethylbenzene	15.337	105	458003	9.27	ug/L	100
67) 1,3-dichlorobenzene	15.774	146	226050	9.50	ug/L	99
68) p-isopropyltoluene	15.793	119	462489	9.71	ug/L	99
69) 1,4-dichlorobenzene	15.908	146	216581	9.39	ug/L	99
70) 1,2-dichlorobenzene	16.431	146	180170	9.50	ug/L	99
71) n-butylbenzene	16.370	91	357731	9.59	ug/L	99
72) 1,2-dibromo-3-chloropr...	17.489	75	5066	9.17	ug/L	87
73) 1,2,4-trichlorobenzene	18.377	180	77724	9.37	ug/L	98
74) hexachlorobutadiene	18.517	225	76016	10.22	ug/L	98
75) naphthalene	18.633	128	81009	8.02	ug/L	100
76) 1,2,3-trichlorobenzene	18.876	180	56170	9.99	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101002.D
Acq On : 10 Oct 2007 5:53 am
Operator : NLT
Sample : ,CCV,CCV 50 ppb,1,
Misc : 8260_W25
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 10 07:02:46 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



SAMPLE RAW DATA

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101006.D
Acq On : 10 Oct 2007 8:23 am
Operator : NLT
Sample : ,SAMP,ME0710178-01A,1,
Misc : 8260+_W25
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 08:46:55 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.538	96	429023	10.00	ug/L	0.00
35) chlorobenzene-d5	12.105	117	283715	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.875	152	93727	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.686	113	84003	10.40	ug/L	0.00
Spiked Amount 10.000			Recovery =	104.00%		
26) 1,2-dichloroethane-d4	7.130	65	74134	10.54	ug/L	0.00
Spiked Amount 10.000			Recovery =	105.40%		
38) toluene-d8	9.800	98	407588	9.87	ug/L	0.00
Spiked Amount 10.000			Recovery =	98.70%		
56) 4-bromofluorobenzene	14.099	95	110631	8.79	ug/L	0.00
Spiked Amount 10.000			Recovery =	87.90%		

Target Compounds Qvalue

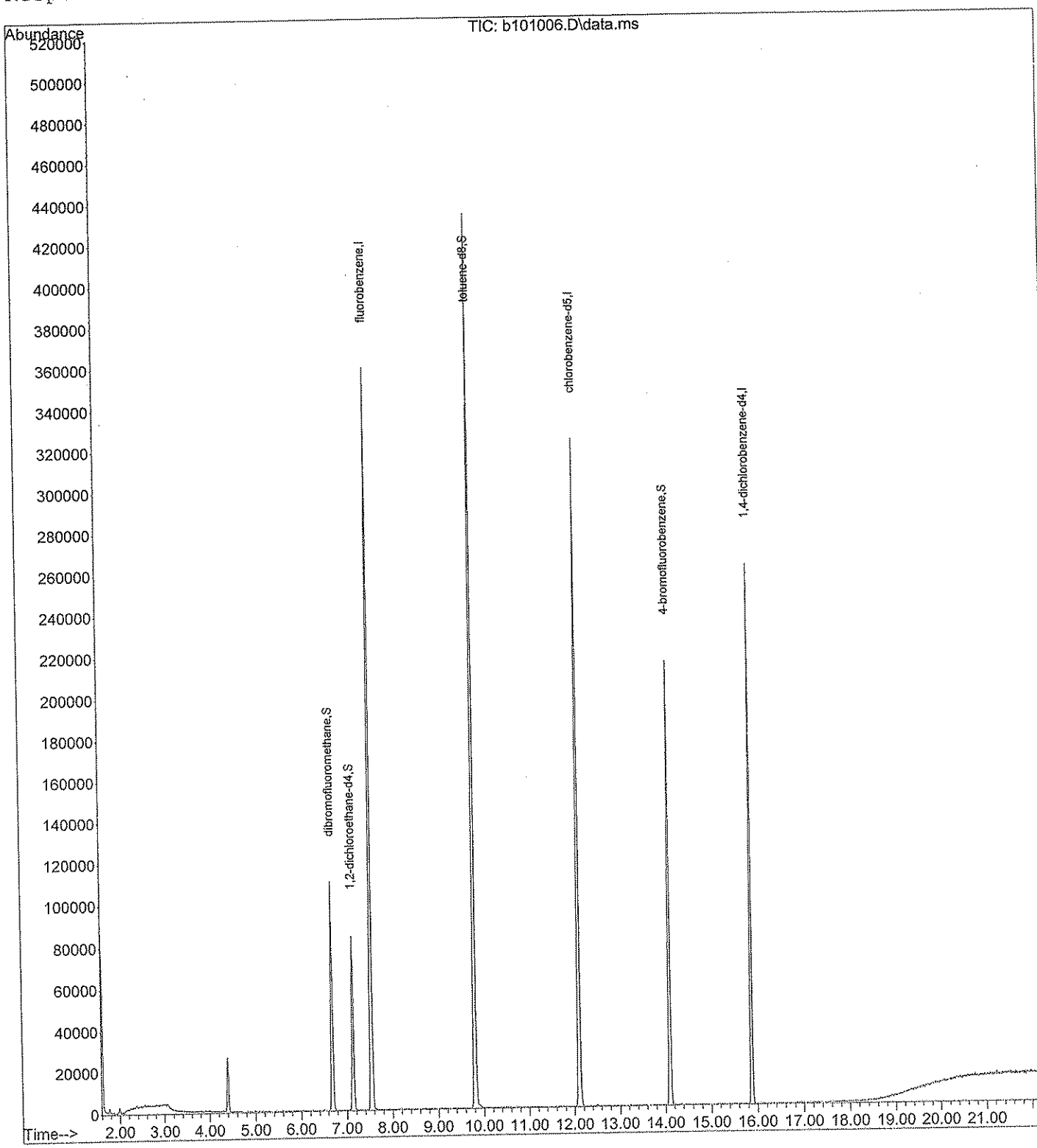
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101006.D
Acq On : 10 Oct 2007 8:23 am
Operator : NLT
Sample : ,SAMP,ME0710178-01A,1,
Misc : 8260+_W25
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 08:46:55 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101007.D
Acq On : 10 Oct 2007 8:55 am
Operator : NLT
Sample : ,SAMP,ME0710178-02A,1,
Misc : 8260+_W25
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 10 10:00:28 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.538	96	428216	10.00	ug/L	0.00
35) chlorobenzene-d5	12.105	117	279332	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.875	152	95540	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.686	113	83908	10.41	ug/L	0.00
Spiked Amount 10.000			Recovery =	104.10%		
26) 1,2-dichloroethane-d4	7.130	65	74659	10.63	ug/L	0.00
Spiked Amount 10.000			Recovery =	106.30%		
38) toluene-d8	9.800	98	405165	9.96	ug/L	0.00
Spiked Amount 10.000			Recovery =	99.60%		
56) 4-bromofluorobenzene	14.100	95	109577	8.84	ug/L	0.00
Spiked Amount 10.000			Recovery =	88.40%		

Target Compounds Qvalue

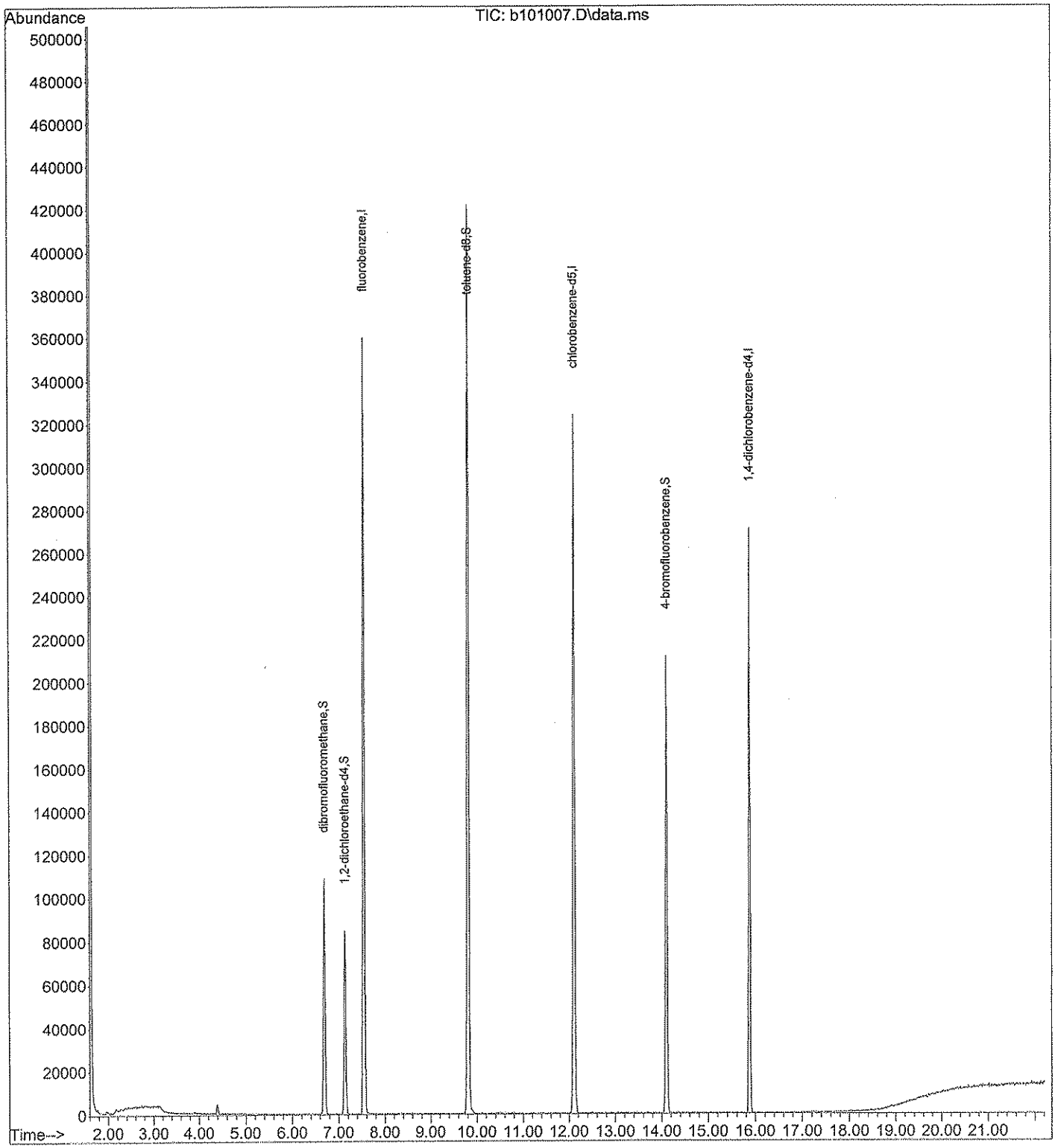
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101007.D
Acq On : 10 Oct 2007 8:55 am
Operator : NLT
Sample : ,SAMP,ME0710178-02A,1,
Misc : 8260+_W25
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 10 10:00:28 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101008.D
Acq On : 10 Oct 2007 9:27 am
Operator : NLT
Sample : ,SAMP,ME0710178-03A,1,
Misc : 8260+_W25
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 10 10:00:50 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	424076	10.00	ug/L	0.00
35) chlorobenzene-d5	12.102	117	278621	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.879	152	96032	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.684	113	83433	10.45	ug/L	0.00
Spiked Amount 10.000			Recovery =	104.50%		
26) 1,2-dichloroethane-d4	7.134	65	72583	10.44	ug/L	0.00
Spiked Amount 10.000			Recovery =	104.40%		
38) toluene-d8	9.804	98	400279	9.87	ug/L	0.00
Spiked Amount 10.000			Recovery =	98.70%		
56) 4-bromofluorobenzene	14.097	95	107705	8.71	ug/L	0.00
Spiked Amount 10.000			Recovery =	87.10%		
Target Compounds						Qvalue

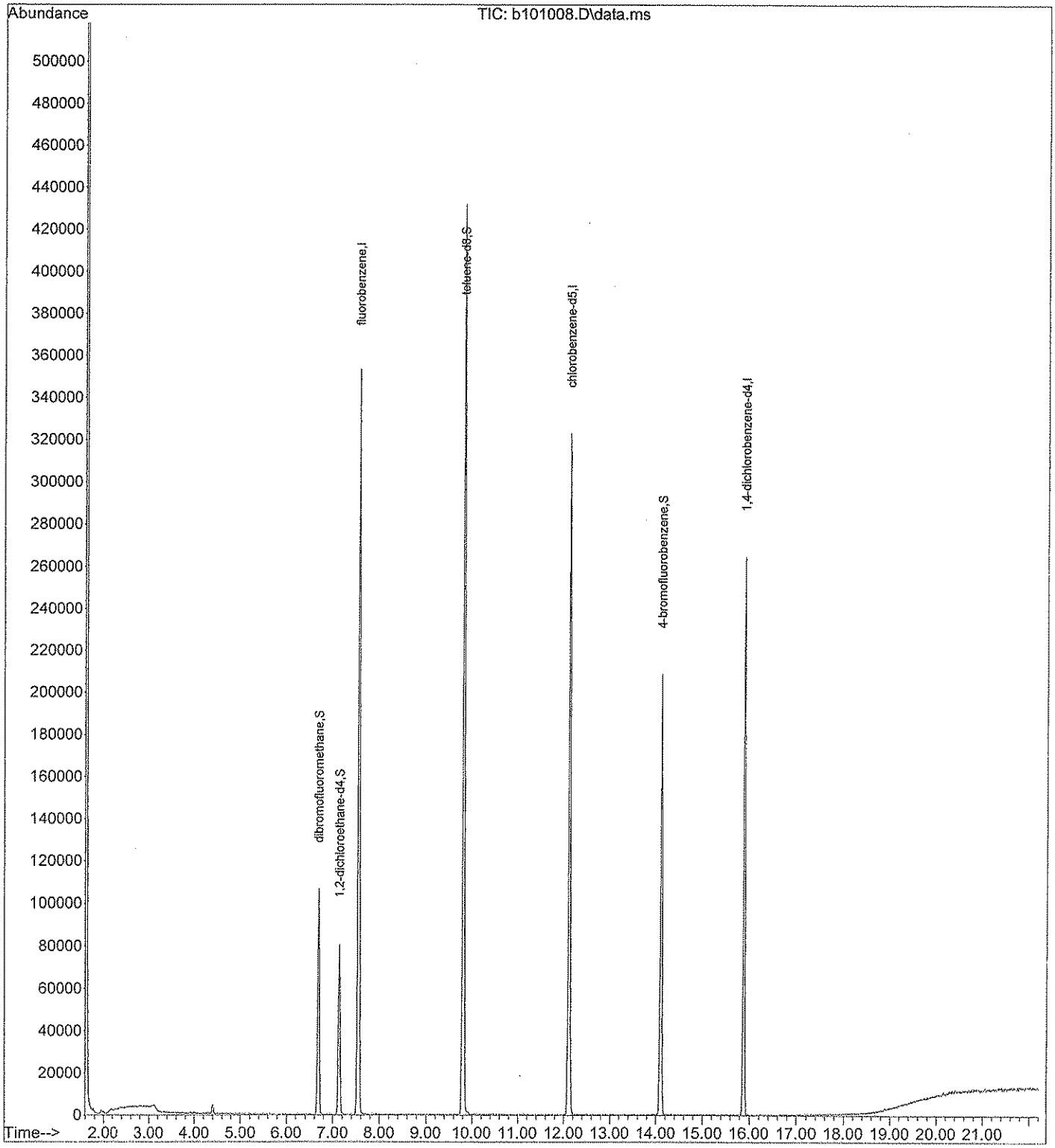
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101008.D
Acq On : 10 Oct 2007 9:27 am
Operator : NLT
Sample : ,SAMP,ME0710178-03A,1,
Misc : 8260+_W25
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 10 10:00:50 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101009.D
Acq On : 10 Oct 2007 9:59 am
Operator : NLT
Sample : ,SAMP,ME0710178-04A,1,
Misc : 8260+_W25
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 10 11:55:05 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.542	96	419968	10.00	ug/L	0.00
35) chlorobenzene-d5	12.103	117	278203	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.879	152	93128	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.684	113	82244	10.40	ug/L	0.00
Spiked Amount 10.000			Recovery =	104.00%		
26) 1,2-dichloroethane-d4	7.134	65	72867	10.58	ug/L	0.00
Spiked Amount 10.000			Recovery =	105.80%		
38) toluene-d8	9.804	98	397237	9.81	ug/L	0.00
Spiked Amount 10.000			Recovery =	98.10%		
56) 4-bromofluorobenzene	14.103	95	108377	8.78	ug/L	0.00
Spiked Amount 10.000			Recovery =	87.80%		

Target Compounds Qvalue

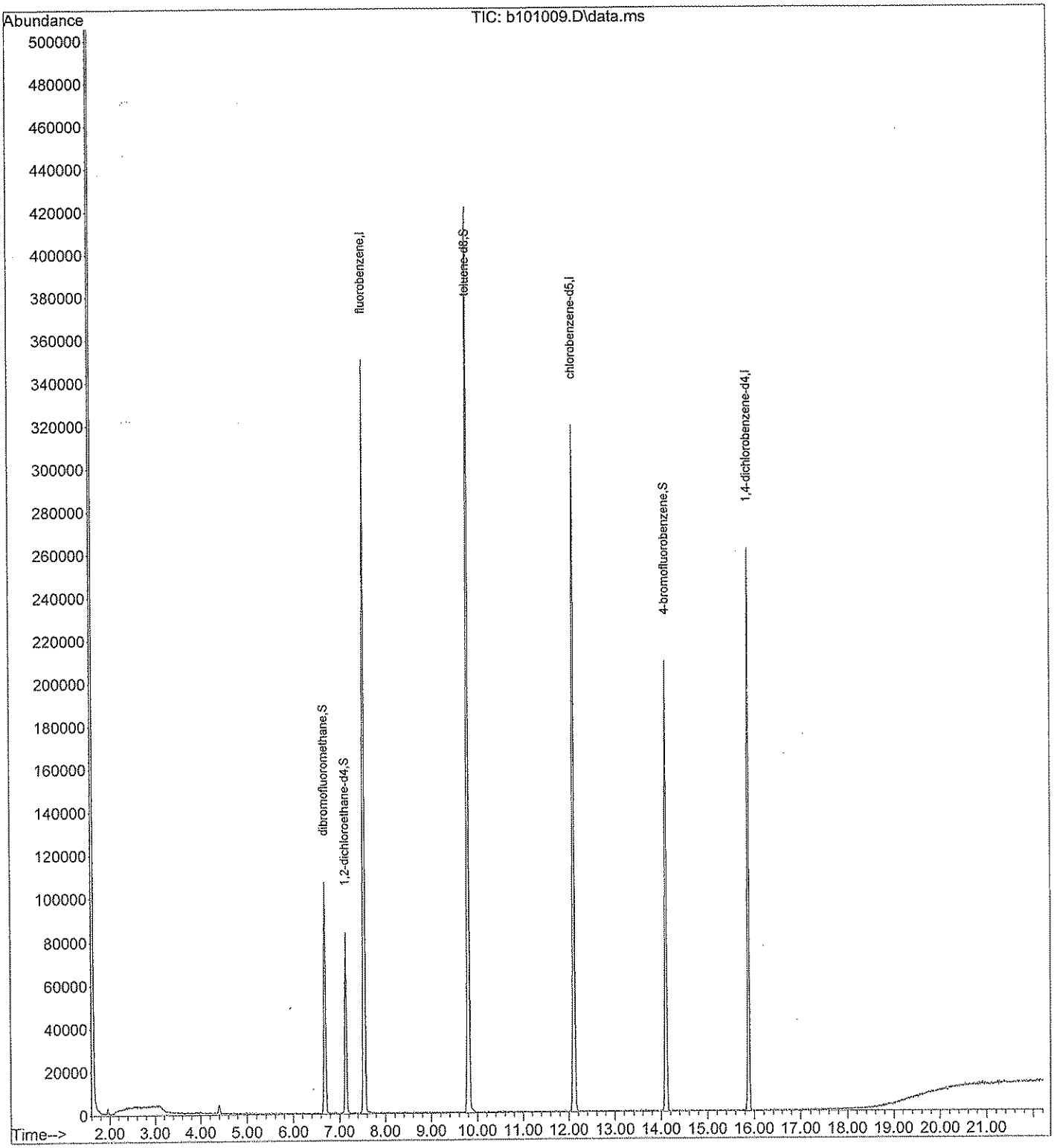
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101009.D
Acq On : 10 Oct 2007 9:59 am
Operator : NLT
Sample : ,SAMP,ME0710178-04A,1,
Misc : 8260+_W25
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 10 11:55:05 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101005.D
Acq On : 10 Oct 2007 7:51 am
Operator : NLT
Sample : ,SAMP,ME0710178-05A,1,
Misc : 8260+_W25
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 10 08:46:35 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.538	96	448430	10.00	ug/L	0.00
35) chlorobenzene-d5	12.105	117	287228	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.876	152	93034	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.687	113	85676	10.15	ug/L	0.00
Spiked Amount 10.000			Recovery =	101.50%		
26) 1,2-dichloroethane-d4	7.131	65	73369	9.98	ug/L	0.00
Spiked Amount 10.000			Recovery =	99.80%		
38) toluene-d8	9.801	98	421105	10.07	ug/L	0.00
Spiked Amount 10.000			Recovery =	100.70%		
56) 4-bromofluorobenzene	14.100	95	110118	8.64	ug/L	0.00
Spiked Amount 10.000			Recovery =	86.40%		
Target Compounds						Qvalue

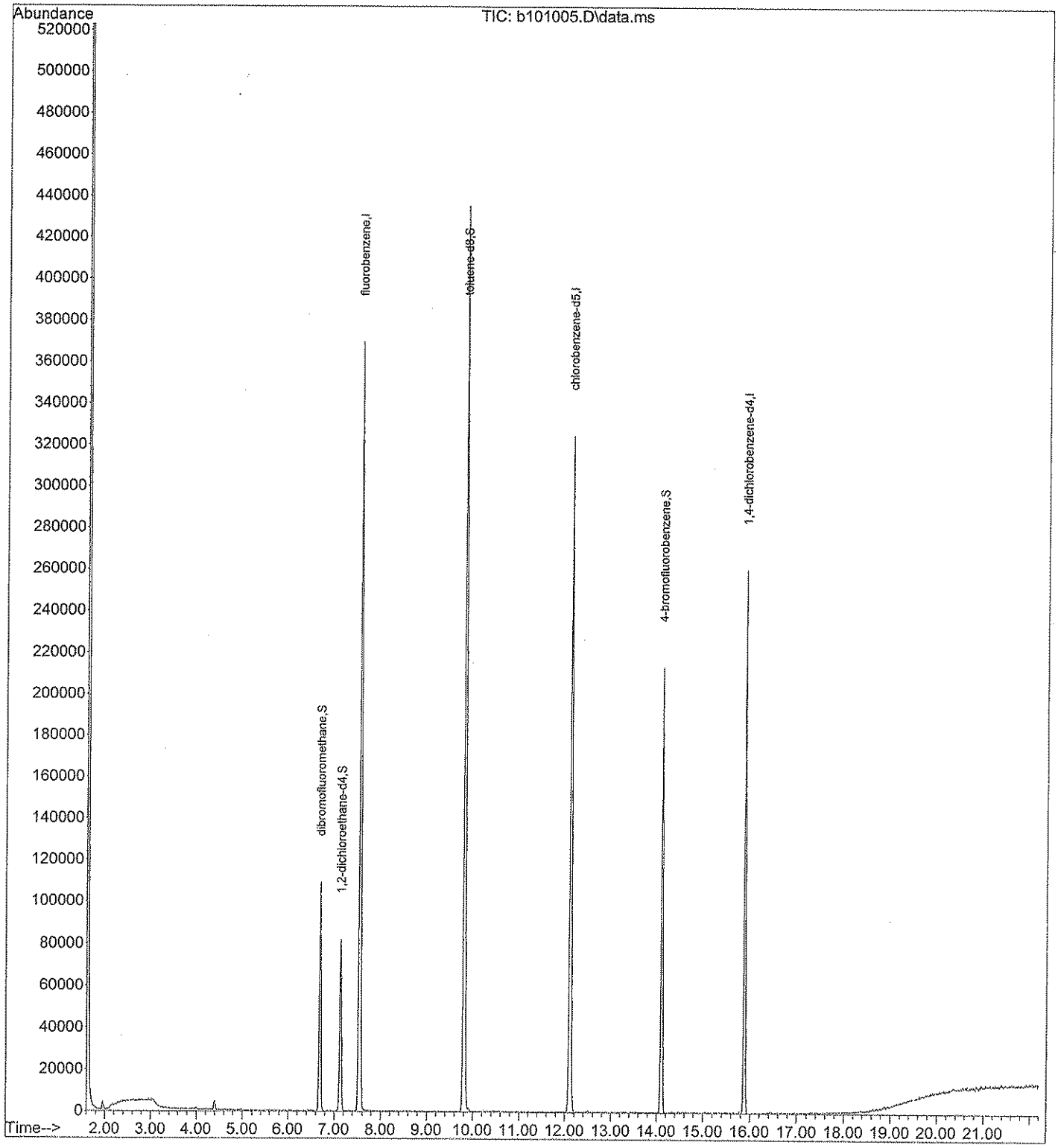
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101005.D
Acq On : 10 Oct 2007 7:51 am
Operator : NLT
Sample : ,SAMP,ME0710178-05A,1,
Misc : 8260+_W25
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 10 08:46:35 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101010.D
Acq On : 10 Oct 2007 10:31 am
Operator : NLT
Sample : ,SAMP,ME0710178-06A,1,
Misc : 8260+_W25
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 10 11:55:27 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) fluorobenzene	7.541	96	414740	10.00	ug/L	0.00
35) chlorobenzene-d5	12.108	117	277207	10.00	ug/L	0.00
62) 1,4-dichlorobenzene-d4	15.879	152	92533	10.00	ug/L	0.00
System Monitoring Compounds						
23) dibromofluoromethane	6.684	113	83735	10.72	ug/L	0.00
Spiked Amount 10.000			Recovery =	107.20%		
26) 1,2-dichloroethane-d4	7.128	65	73217	10.77	ug/L	0.00
Spiked Amount 10.000			Recovery =	107.70%		
38) toluene-d8	9.803	98	397006	9.84	ug/L	0.00
Spiked Amount 10.000			Recovery =	98.40%		
56) 4-bromofluorobenzene	14.103	95	106893	8.69	ug/L	0.00
Spiked Amount 10.000			Recovery =	86.90%		

Target Compounds Qvalue

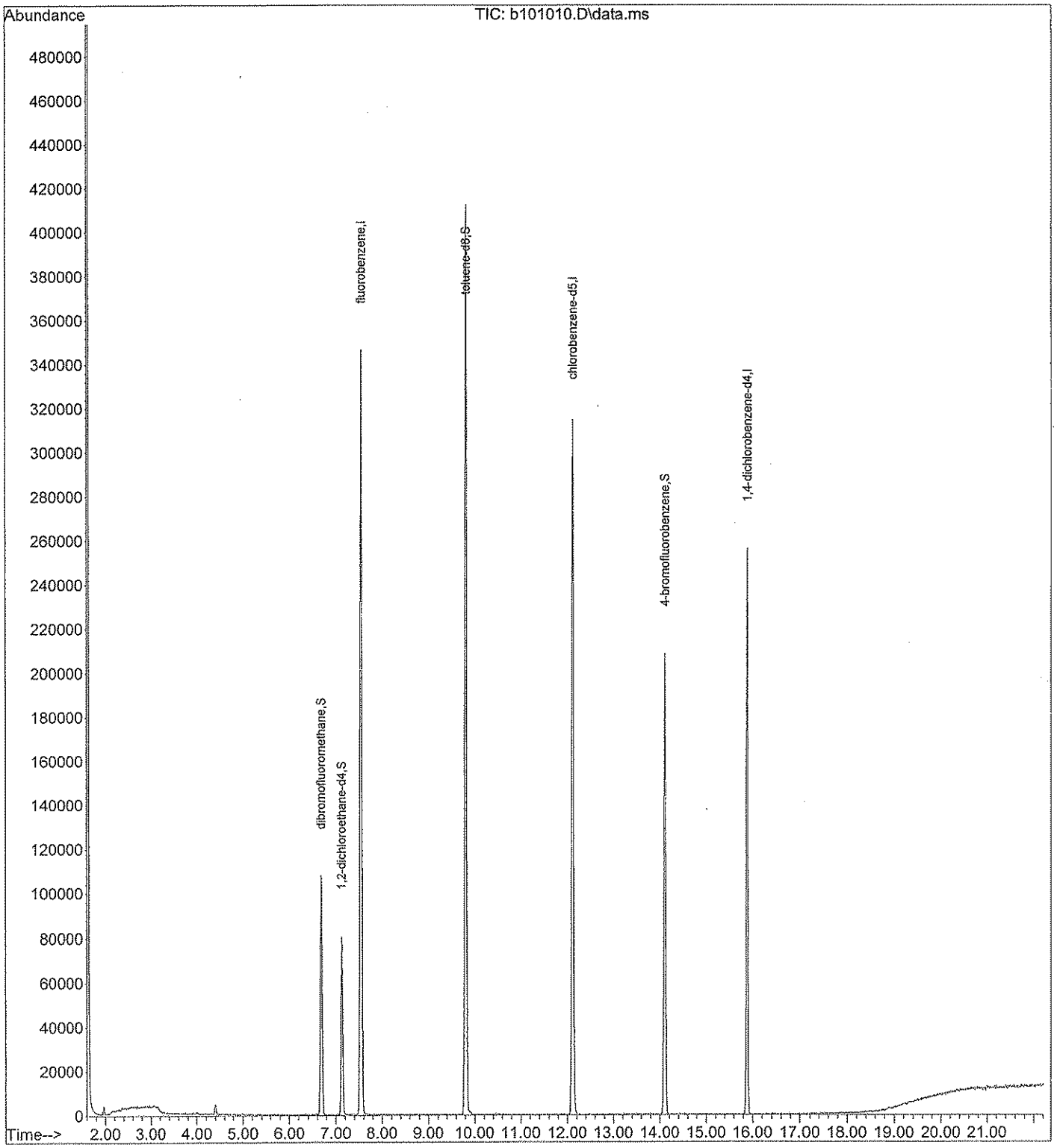
(#) = qualifier out of range (m) = manual integration (+) = signals summed

JN 10/10/07

Quantitation Report (Not Reviewed)

Data Path : D:\msdchem\1\data\b101007\
Data File : b101010.D
Acq On : 10 Oct 2007 10:31 am
Operator : NLT
Sample : ,SAMP,ME0710178-06A,1,
Misc : 8260+_W25
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 10 11:55:27 2007
Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07
QLast Update : Mon Oct 08 16:50:56 2007
Response via : Initial Calibration



INJECTION LOG(S)

Injection Log

Directory: g:\b101007

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
		b101001.d	1.			
	2	b101002.d	1.	,CCV,CCV 50 ppb,1,	8260_W25	10 Oct 07 05:5
	3	b101003.d	1.	,MBLK,MBLK W-25 10/10/07,1,	624_W25	10 Oct 07 06:3
	4	b101004.d	1.	,LCS,LCS W-10 PPB,1,	624_W25	10 Oct 07 07:0
	5	b101005.d	1.	,SAMP,ME0710178-05A,1,	8260+_W25	10 Oct 07 07:5
	6	b101006.d	1.	,SAMP,ME0710178-01A,1,	8260+_W25	10 Oct 07 08:2
	7	b101007.d	1.	,SAMP,ME0710178-02A,1,	8260+_W25	10 Oct 07 08:5
	8	b101008.d	1.	,SAMP,ME0710178-03A,1,	8260+_W25	10 Oct 07 09:2
	9	b101009.d	1.	,SAMP,ME0710178-04A,1,	8260+_W25	10 Oct 07 09:5
10	10	b101010.d	1.	,SAMP,ME0710178-06A,1,	8260+_W25	10 Oct 07 10:3
11	11	b101011.d	1.	,MS,ME0710178-05AMS,1,	8260+_W25	10 Oct 07 11:0
12	12	b101012.d	1.	,MSD,ME0710178-05AMSD,1,	8260+_W25	10 Oct 07 11:3
13	13	b101013.d	1.	,SAMP,ME0710133-01B,1,	624_W25	10 Oct 07 12:0
14	14	b101014.d	1.	,SAMP,ME0710064-03A,500,RA,	624+_W25	10 Oct 07 12:3
15	15	b101015.d	1.	,SAMP,ME0710064-04A,2,RA,	624+_W25	10 Oct 07 13:1
16	16	b101016.d	1.	,SAMP,ME0710076-02A,10,RA,	8260+_W25	10 Oct 07 13:4
17	17	b101017.d	1.	,SAMP,ME0710076-07A,10,RA,	8260+_W25	10 Oct 07 14:1
18	18	b101018.d	1.	,tune,bfb tune,1,	bfb	10 Oct 07 15:2
19	19	b101019.d	1.	,CCV,CCV 50 ppb,1,	8260+_W25	10 Oct 07 15:4
20	20	b101020.d	1.	,SAMP,ME0710172-01A,1,	8260+_W25	10 Oct 07 16:4
21	21	b101021.d	1.	,SAMP,ME0710172-02A,1,	8260+_W25	10 Oct 07 17:1
22	22	b101022.d	1.	,SAMP,ME0710172-03A,1,	8260+_W25	10 Oct 07 17:4
23	23	b101023.d	1.	,SAMP,ME0710172-05A,1,	8260+_W25	10 Oct 07 18:1
24	24	b101024.d	1.	,SAMP,ME0710172-06A,1,	8260+_W25	10 Oct 07 18:5
25	25	b101025.d	1.	,SAMP,ME0710172-07A,1,	8260+_W25	10 Oct 07 19:2
26	26	b101026.d	1.	,SAMP,ME0710172-08A,1,	8260+_W25	10 Oct 07 19:5
27	27	b101027.d	1.	,SAMP,ME0710172-09A,1,	8260+_W25	10 Oct 07 20:2
28	28	b101028.d	1.	,SAMP,ME0710172-10A,1,	8260+_W25	10 Oct 07 20:5
29	29	b101029.d	1.	,MS,ME0710076-05AMS,1,	8260+_W25	10 Oct 07 22:1
30	30	b101030.d	1.	,MSD,ME0710076-05AMSD,1,	8260+_W25	10 Oct 07 22:4
31	31	b101031.d	1.	,SAMP,ME0710172-06A,20,RA,	8260+_W25	10 Oct 07 23:1
32	32	b101032.d	1.	,SAMP,ME0710172-07A,20,RA,	8260+_W25	10 Oct 07 23:4
33	33	b101033.d	1.	RINSE	8260+_W25	11 Oct 07 00:2

Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101007\\
Data File : b101006.D
Acq On : 10 Oct 2007 8:23 amm
Operator : NLTT
Sample : ,SAMP,ME0710178-01A,1,,
Misc : 8260+_W255
ALS Vial : 6 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101006.D
Acq On : 10 Oct 2007 8:23 am
Operator : NLT
Sample : ,SAMP,ME0710178-01A,1,
Misc : 8260+_W25
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101006.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.400	453	462	475	rVB	26303	58105	5.38%	1.321%
2	6.686	828	838	856	rVB	110097	270860	25.08%	6.157%
3	7.130	900	911	924	rBV	84010	209008	19.35%	4.751%
4	7.538	968	978	994	rBV	359414	887821	82.21%	20.180%
5	9.800	1338	1350	1377	rVB	433539	1079952	100.00%	24.547%
6	12.105	1718	1729	1749	rBV	323558	830390	76.89%	18.874%
7	14.099	2047	2057	2069	rVB	215009	517807	47.95%	11.770%
8	15.875	2340	2349	2361	rBV	261274	545603	50.52%	12.401%

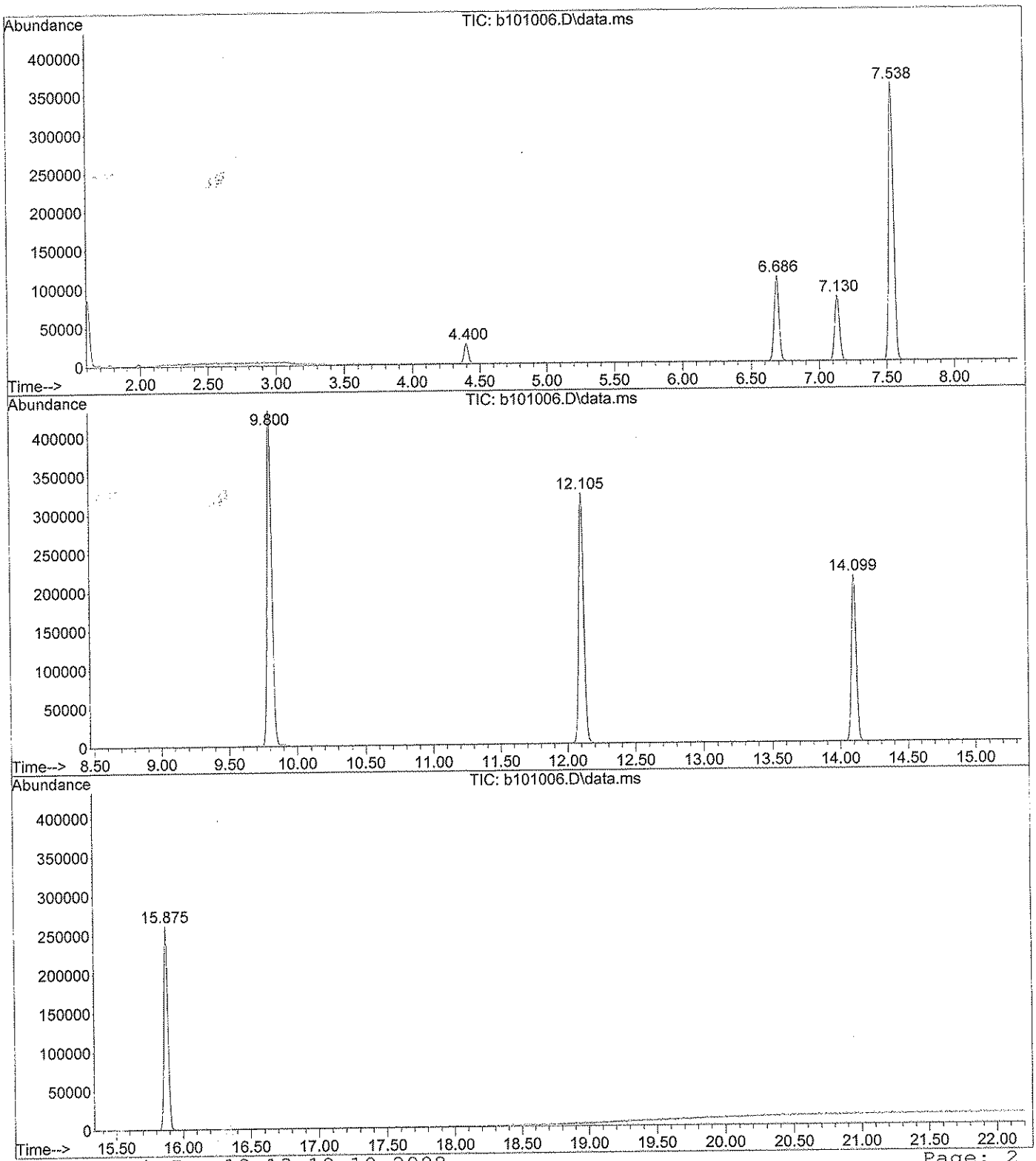
Sum of corrected areas: 4399546

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101007\
Data File : b101006.D
Acq On : 10 Oct 2007 8:23 am
Operator : NLT
Sample : ,SAMP,ME0710178-01A,1,
Misc : 8260+_W25
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101007\\
Data File : b101007.D
Acq On : 10 Oct 2007 8:55 amm
Operator : NLTT
Sample : ,SAMP,ME0710178-02A,1,,
Misc : 8260+_W255
ALS Vial : 7 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101007.D
Acq On : 10 Oct 2007 8:55 am
Operator : NLT
Sample : ,SAMP,ME0710178-02A,1,
Misc : 8260+_W25
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 3 % of largest Peak
Max Peaks: 100
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101007.D\data.ms

Peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.686	826	838	855	rVB	108762	271581	25.42%	6.276%
2	7.130	901	911	927	rVB	84733	210598	19.71%	4.866%
3	7.538	966	978	994	rBV	359957	885717	82.92%	20.467%
4	9.800	1339	1350	1375	rBV	421538	1068214	100.00%	24.684%
5	12.105	1718	1729	1747	rVB	323836	819463	76.71%	18.936%
6	14.100	2046	2057	2070	rBV	211733	515359	48.24%	11.909%
7	15.875	2339	2349	2360	rBV	271034	556611	52.11%	12.862%

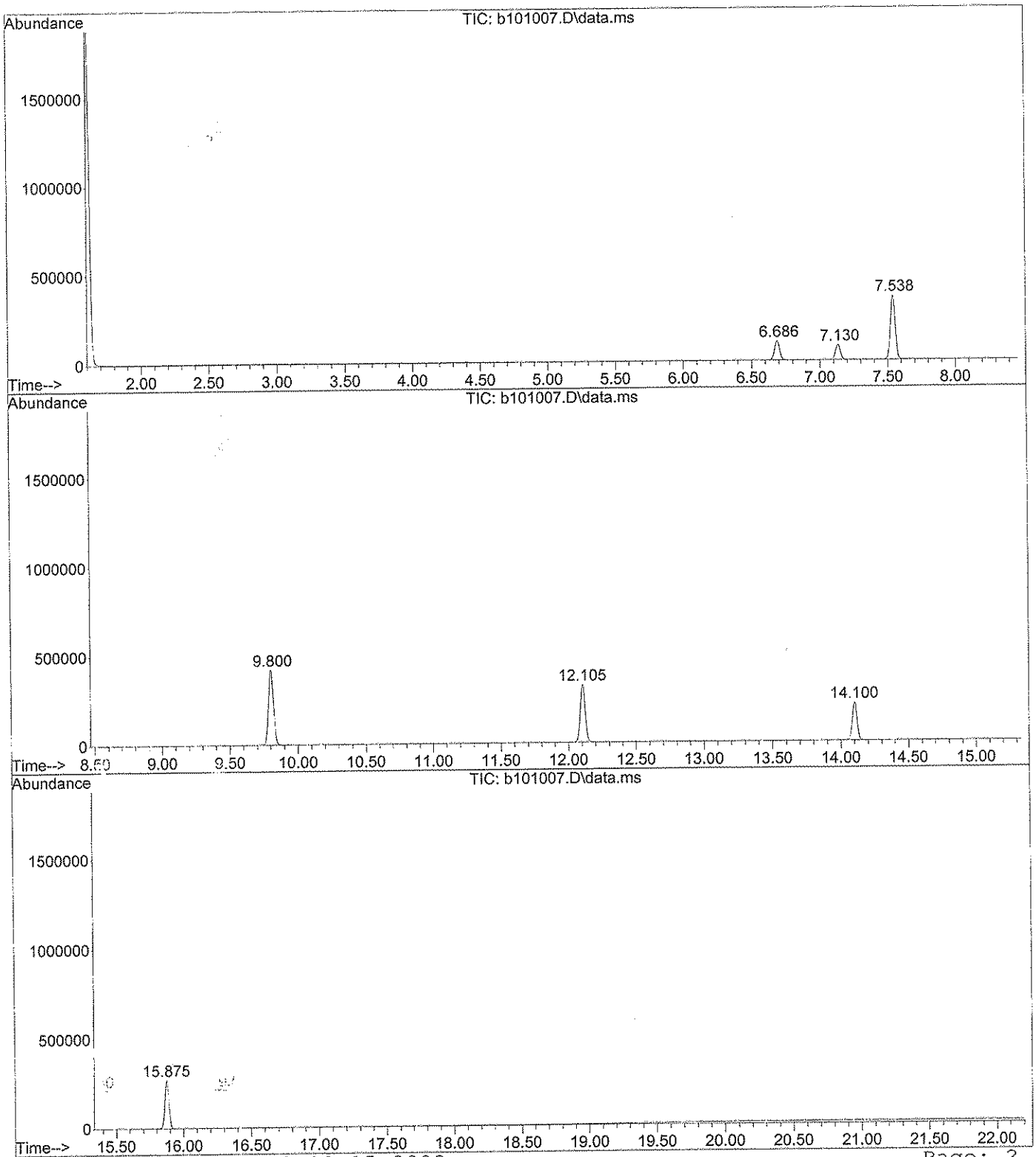
Sum of corrected areas: 4327543

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101007\
Data File : b101007.D
Acq On : 10 Oct 2007 8:55 am
Operator : NLT
Sample : ,SAMP,ME0710178-02A,1,
Misc : 8260+_W25
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101007\\
Data File : b101008.D
Acq On : 10 Oct 2007 9:27 amm
Operator : NLTT
Sample : ,SAMP,ME0710178-03A,1,,
Misc : 8260+_W255
ALS Vial : 8 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101008.D
Acq On : 10 Oct 2007 9:27 am
Operator : NLT
Sample : ,SAMP,ME0710178-03A,1,
Misc : 8260+_W25
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101008.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.684	825	838	852	rBV	106593	269024	25.36%	6.275%
2	7.134	901	912	926	rVB	80444	206482	19.46%	4.817%
3	7.535	967	978	999	rBV	353321	879611	82.91%	20.519%
4	9.804	1339	1351	1376	rBV	431745	1060958	100.00%	24.749%
5	12.102	1718	1729	1747	rBV	322794	810968	76.44%	18.917%
6	14.097	2047	2057	2069	rVB	208726	505867	47.68%	11.800%
7	15.879	2337	2350	2359	rVB	264447	553996	52.22%	12.923%

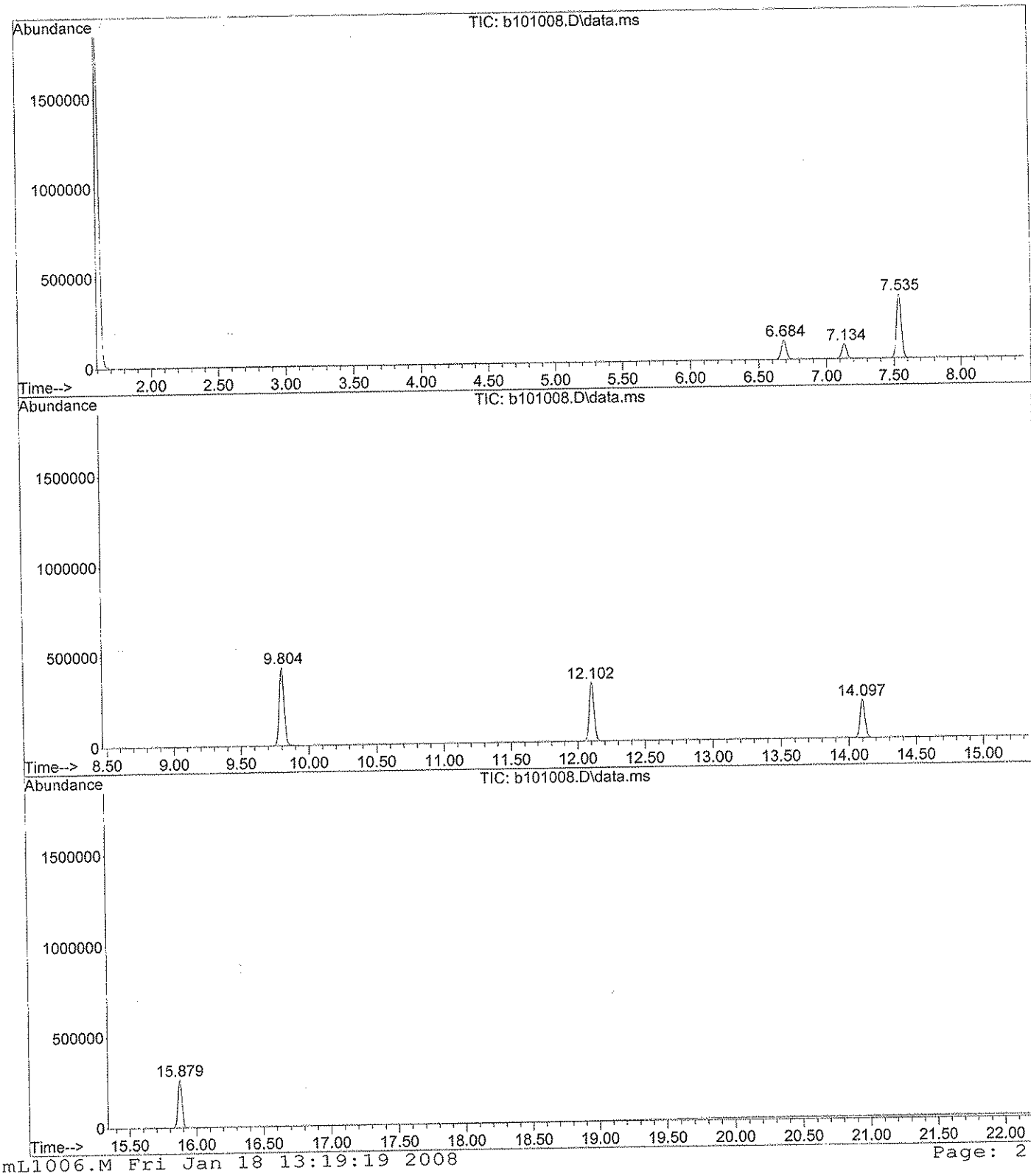
Sum of corrected areas: 4286906

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101007\
Data File : b101008.D
Acq On : 10 Oct 2007 9:27 am
Operator : NLT
Sample : ,SAMP,ME0710178-03A,1,
Misc : 8260+_W25
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101007\\
Data File : b101009.D
Acq On : 10 Oct 2007 9:59 amm
Operator : NLTT
Sample : ,SAMP,ME0710178-04A,1,,
Misc : 8260+_W255
ALS Vial : 9 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101009.D
Acq On : 10 Oct 2007 9:59 am
Operator : NLT
Sample : ,SAMP,ME0710178-04A,1,
Misc : 8260+_W25
ALS Vial : 9 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101009.D\data.ms

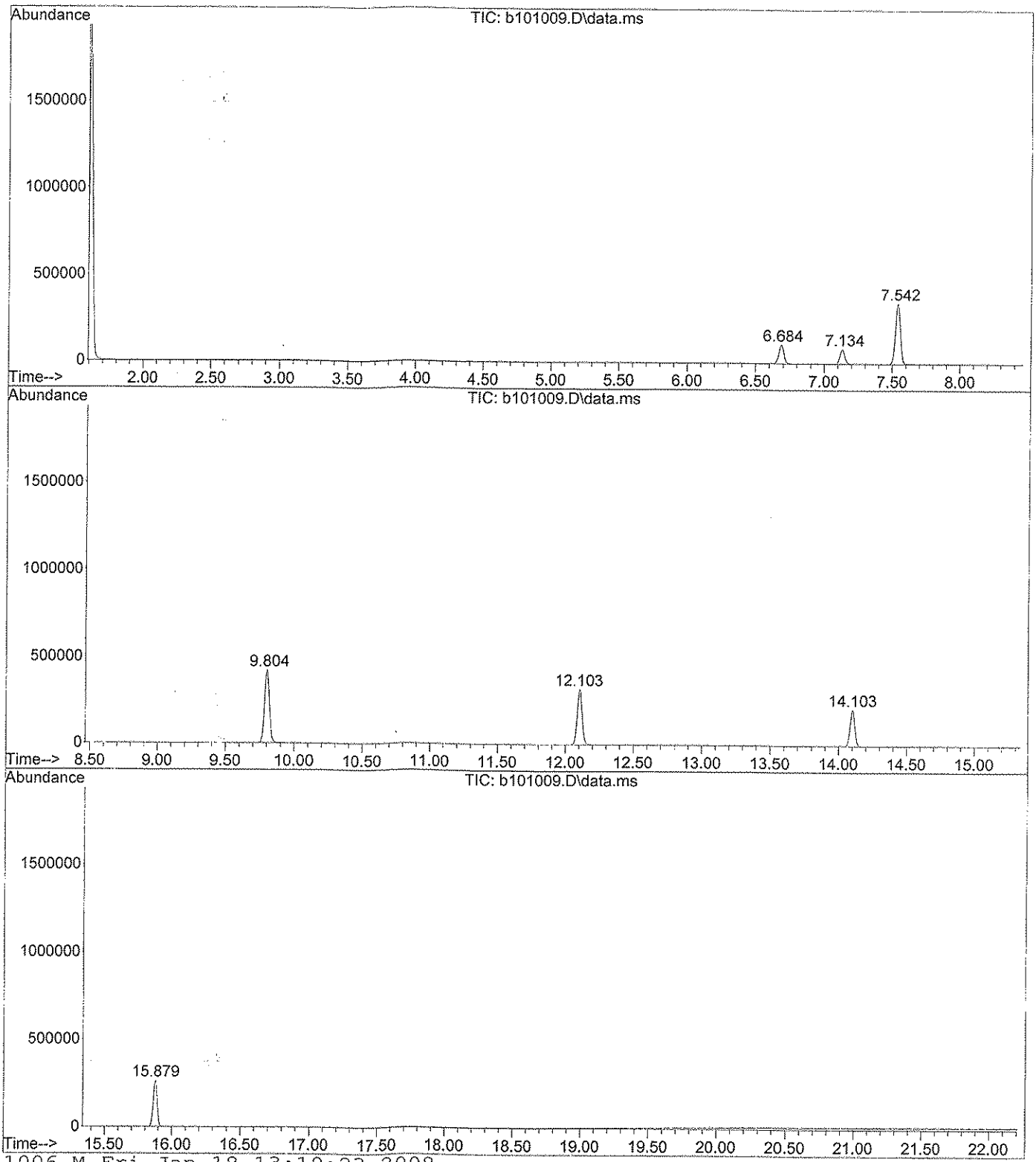
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.684	825	838	855	rBV	107291	268156	25.55%	6.314%
2	7.134	902	912	932	rVB	83772	205708	19.60%	4.844%
3	7.542	965	979	993	rBV	350274	869301	82.82%	20.470%
4	9.804	1338	1351	1366	rBV	421419	1049582	100.00%	24.715%
5	12.103	1718	1729	1748	rVB	319149	810739	77.24%	19.091%
6	14.103	2047	2058	2069	rBB	209240	504221	48.04%	11.873%
7	15.879	2340	2350	2361	rVB	261251	539070	51.36%	12.694%

Sum of corrected areas: 4246777

Data Path : D:\msdchem\1\data\b101007\
Data File : b101009.D
Acq On : 10 Oct 2007 9:59 am
Operator : NLT
Sample : ,SAMP,ME0710178-04A,1,
Misc : 8260+_W25
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101007\\
Data File : b101005.D
Acq On : 10 Oct 2007 7:51 amm
Operator : NLTT
Sample : ,SAMP,ME0710178-05A,1,,
Misc : 8260+_W255
ALS Vial : 5 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101005.D
Acq On : 10 Oct 2007 7:51 am
Operator : NLT
Sample : ,SAMP,ME0710178-05A,1,
Misc : 8260+_W25
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0

Filtering: 5
Min Area: 3 % of largest Peak
Max Peaks: 100
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101005.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.687	827	838	853	rBV	109171	276941	24.92%	6.283%
2	7.131	901	911	927	rVB	81641	204846	18.43%	4.648%
3	7.538	967	978	996	rBV	369596	926928	83.42%	21.030%
4	9.801	1337	1350	1363	rBV	435520	1111195	100.00%	25.211%
5	12.105	1715	1729	1746	rBV	324879	835112	75.15%	18.947%
6	14.100	2045	2057	2069	rBV	213533	513376	46.20%	11.647%
7	15.876	2338	2349	2364	rBV	260259	539218	48.53%	12.234%

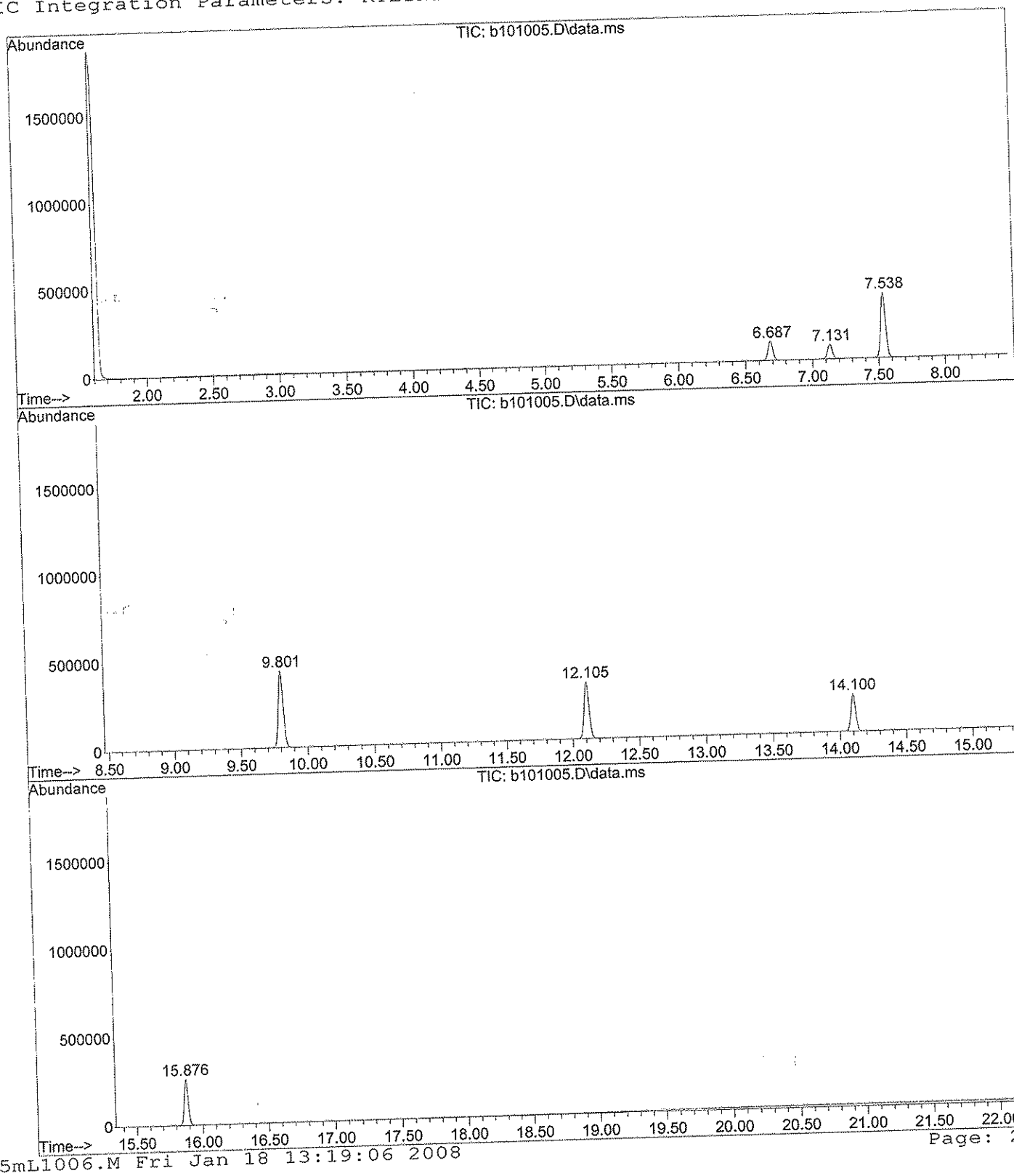
Sum of corrected areas: 4407616

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101007\
Data File : b101005.D
Acq On : 10 Oct 2007 7:51 am
Operator : NLT
Sample : ,SAMP,ME0710178-05A,1,
Misc : 8260+_W25
ALS Vial : 5 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



Tentatively Identified Compound (LSC) summary

Data Path : D:\msdchem\1\data\b101007\\
Data File : b101010.D
Acq On : 10 Oct 2007 10:31 amm
Operator : NLTT
Sample : ,SAMP,ME0710178-06A,1,,
Misc : 8260+_W255
ALS Vial : 10 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\25mL1006.MM
Quant Title : 25 ml W-ICAL 10/08/077

TIC Library : C:\DATABASE\nbs75k.LL
TIC Integration Parameters: RTEINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

LSC Area Percent Report

Data Path : D:\msdchem\1\data\b101007\
Data File : b101010.D
Acq On : 10 Oct 2007 10:31 am
Operator : NLT
Sample : ,SAMP,ME0710178-06A,1,
Misc : 8260+_W25
ALS Vial : 10 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\msdchem\1\METHODS\25mL1006.M
Title : 25 ml W-ICAL 10/08/07

Signal : TIC: b101010.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.684	829	838	854	rBV2	107779	266673	25.46%	6.324%
2	7.128	902	911	930	rVB	80477	205466	19.62%	4.872%
3	7.541	967	979	993	rBV	346479	858648	81.98%	20.361%
4	9.803	1340	1351	1380	rVB	412450	1047403	100.00%	24.837%
5	12.102	1718	1729	1747	rVB	314543	807592	77.10%	19.150%
6	14.103	2047	2058	2070	rVB	208709	501548	47.88%	11.893%
7	15.879	2340	2350	2360	rBV	256090	529816	50.58%	12.563%

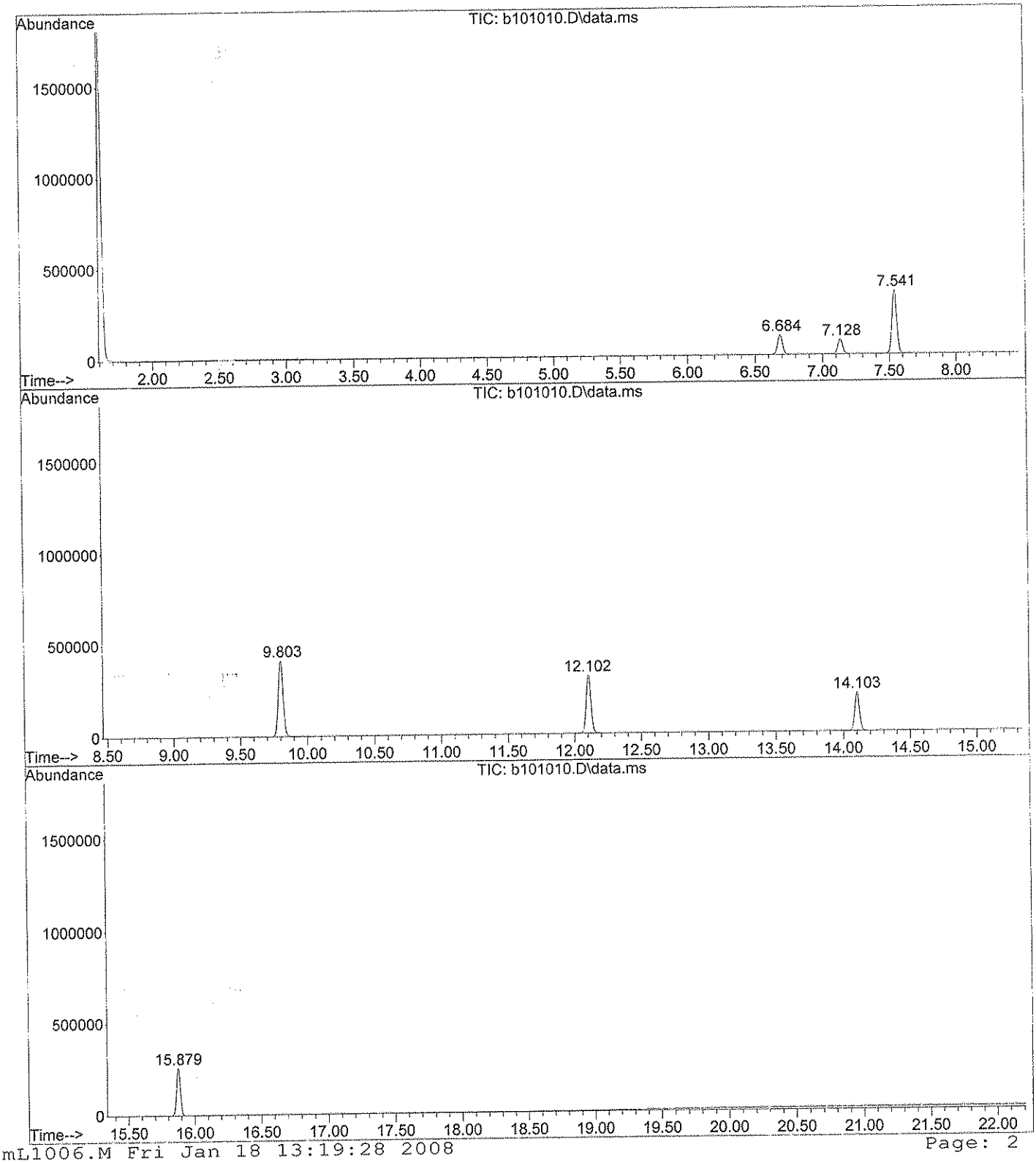
Sum of corrected areas: 4217146

LSC Report - Integrated Chromatogram

Data Path : D:\msdchem\1\data\b101007\
Data File : b101010.D
Acq On : 10 Oct 2007 10:31 am
Operator : NLT
Sample : ,SAMP,ME0710178-06A,1,
Misc : 8260+_W25
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\25mL1006.M
Quant Title : 25 ml W-ICAL 10/08/07

TIC Library : C:\DATABASE\nbs75k.L
TIC Integration Parameters: RTEINT.P



LABORATORY DATA CONSULTANTS, INC.
7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: 760/634-0439

MWH Americas, Inc.
175 West Jackson Blvd, Suite 1900
Chicago, IL 60604-2814
ATTN: Mr. Justin Finger

December 4, 2007

SUBJECT: ACS Residential Wells, Data Validation

Dear Mr. Finger,

Enclosed are the final validation reports for the fractions listed below. This SDG was received on November 28, 2007. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 17894:

SDG #	Fraction
ME0710178	Volatiles, Semivolatiles, Chlorinated Pesticides & Polychlorinated Biphenyls, Metals, Cyanide

The data validation was performed under EPA Level III and Level IV guidelines. The analyses were validated using the following documents, as applicable to each method:

- Remedial Design/Remedial Action PRP - Lead Project Quality Assurance Project Plan, Rev 0, November 2001
- USEPA, Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999
- USEPA, Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, October 2004
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998

Please feel free to contact us if you have any questions.

Sincerely,

ERauto

Erlinda T. Rauto
Operations Manager/Senior Chemist

1 Week TAT

Attachment 1

RTC PARCC

LDC #17894 (MWH Americas, Inc.-Chicago IL / ACS Residential Wells)

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (8260B)		SVOA (8270C)		Pest. /PCBs (SW846)		Metals (SW846)		CN- (9012B)																							
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	ME0710178	11/28/07	12/05/07	5	0	4	0	4	0	4	0	4	0																						
A	ME0710178	11/28/07	12/05/07	1	0	1	0	1	0	1	0	1	0																						
Total	T/LR			6	0	5	0	5	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26

Shaded cells indicate Level IV validation (all other cells are Level III validation). These sample counts do not include MS/MSD, and DUPs

ACS Residential Wells
Data Validation Reports
LDC# 17894

Form 1s

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-RESTB01-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710178-01
Collection Date: 10/02/07 08:00
Date Received: 10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Acetone	A	*ND*	0.0020	0.0050	4J	mg/L	1	10/10/07 08:23
Benzene	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 08:23
Bromodichloromethane	A	*ND*	0.00050	0.0010		mg/L	1	10/10/07 08:23
Bromoform	A	*ND*	0.00040	0.0010		mg/L	1	10/10/07 08:23
Bromomethane	A	*ND*	0.00060	0.0020		mg/L	1	10/10/07 08:23
2-Butanone	A	*ND*	0.0015	0.0020	4J	mg/L	1	10/10/07 08:23
Carbon Disulfide	A	*ND*	0.00040	0.0020		mg/L	1	10/10/07 08:23
Carbon tetrachloride	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 08:23
Chlorobenzene	A	*ND*	0.00020	0.0010		mg/L	1	10/10/07 08:23
Chloroethane	A	*ND*	0.00080	0.0020		mg/L	1	10/10/07 08:23
Chloroform	A	*ND*	0.00070	0.0010		mg/L	1	10/10/07 08:23
Chloromethane	A	*ND*	0.00030	0.0020		mg/L	1	10/10/07 08:23
Dibromochloromethane	A	*ND*	0.00060	0.0010		mg/L	1	10/10/07 08:23
1,1-Dichloroethane	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 08:23
1,2-Dichloroethane	A	*ND*	0.00040	0.0010		mg/L	1	10/10/07 08:23
1,1-Dichloroethene	A	*ND*	0.00040	0.0010		mg/L	1	10/10/07 08:23
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0010		mg/L	1	10/10/07 08:23
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0010		mg/L	1	10/10/07 08:23
1,2-Dichloropropane	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 08:23
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0010		mg/L	1	10/10/07 08:23
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 08:23
Ethylbenzene	A	*ND*	0.00020	0.0010		mg/L	1	10/10/07 08:23
2-Hexanone	A	*ND*	0.0011	0.0020		mg/L	1	10/10/07 08:23
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0010		mg/L	1	10/10/07 08:23
Methylene chloride	A	*ND*	0.00070	0.0020		mg/L	1	10/10/07 08:23
Styrene	A	*ND*	0.00020	0.0010		mg/L	1	10/10/07 08:23
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0010		mg/L	1	10/10/07 08:23
Tetrachloroethene	A	*ND*	0.00040	0.0010		mg/L	1	10/10/07 08:23
Toluene	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 08:23
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 08:23
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0010		mg/L	1	10/10/07 08:23
Trichloroethene	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 08:23
Vinyl chloride	A	*ND*	0.00040	0.0020		mg/L	1	10/10/07 08:23
Total Xylenes	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 08:23
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0010	4J	mg/L	1	10/10/07 08:23
1,2-Dichlorobenzene	A	*ND*	0.00020	0.0010		mg/L	1	10/10/07 08:23
1,3-Dichlorobenzene	A	*ND*	0.00020	0.0010		mg/L	1	10/10/07 08:23
1,4-Dichlorobenzene	A	*ND*	0.00020	0.0010		mg/L	1	10/10/07 08:23
Surr: 4-Bromofluorobenzene	S	87.9	0	74.3-123		%REC	1	10/10/07 08:23

250 West 84th Drive, Merrillville, IN 46410 TEL.800.536.8379 TEL.219.769.8378 FAX.219.769.1664

HM 120307

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-RESTB01-30	**Work Order / ID:**	ME0710178-01
Sample Description:		**Collection Date:**	10/02/07 08:00
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Surr: Dibromofluoromethane	S	104	0	84.9-118		%REC	1	10/10/07 08:23
Surr: 1,2-Dichloroethane-d4	S	105	0	77.9-126		%REC	1	10/10/07 08:23
Surr: Toluene-d8	S	98.7	0	80.8-118		%REC	1	10/10/07 08:23

250 West 84th Drive, Merrillville, IN 46410 TEL.800.536.8379 TEL.219.769.8378 FAX.219.769.1664

MW10307

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-RESDUP01-30	**Work Order / ID:**	ME0710178-02
Sample Description:		**Collection Date:**	10/02/07 10:00
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
PESTICIDES/PCBS	Method: **SW8081A/8082**			Prep Date/Time: **10/06/07 13:15**		Analyst: **ALS**		
4,4´-DDD	A	ND	0.000034	0.0010		mg/L	1	10/09/07 01:16
4,4´-DDE	A	ND	0.000016	0.0010		mg/L	1	10/09/07 01:16
4,4´-DDT	A	ND	0.000016	0.0010		mg/L	1	10/09/07 01:16
Aldrin	A	ND	0.000016	0.000050	UJ	mg/L	1	10/09/07 01:16
Alpha-BHC	A	ND	0.000011	0.000050	UJ	mg/L	1	10/09/07 01:16
alpha-Chlordane	A	ND	0.000025	0.010		mg/L	1	10/09/07 01:16
Beta-BHC	A	ND	0.0000010	0.00020		mg/L	1	10/09/07 01:16
delta-BHC	A	ND	0.000016	0.0010	UJ	mg/L	1	10/09/07 01:16
Dieldrin	A	ND	0.000011	0.000050	UJ	mg/L	1	10/09/07 01:16
Endosulfan I	A	ND	0.000014	0.0010		mg/L	1	10/09/07 01:16
Endosulfan II	A	ND	0.000014	0.0010		mg/L	1	10/09/07 01:16
Endosulfan Sulfate	A	ND	0.000016	0.0010		mg/L	1	10/09/07 01:16
Endrin	A	ND	0.000014	0.0010	UJ	mg/L	1	10/09/07 01:16
Endrin Aldehyde	A	ND	0.0000010	0.0010		mg/L	1	10/09/07 01:16
Endrin Ketone	A	ND	0.000028	0.0010		mg/L	1	10/09/07 01:16
Gamma-BHC	A	ND	0.000011	0.00010	UJ	mg/L	1	10/09/07 01:16
gamma-Chlordane	A	ND	0.000011	0.010		mg/L	1	10/09/07 01:16
Heptachlor	A	ND	0.000014	0.00020	UJ	mg/L	1	10/09/07 01:16
Heptachlor Epoxide	A	ND	0.000016	0.00010		mg/L	1	10/09/07 01:16
Methoxychlor	A	ND	0.00019	0.0010	UJ	mg/L	1	10/09/07 01:16
Toxaphene	A	ND	0.00066	0.0020		mg/L	1	10/09/07 01:16
Aroclor 1016	A	ND	0.00011	0.00050		mg/L	1	10/09/07 01:16
Aroclor 1221	A	ND	0.00050	0.00050		mg/L	1	10/09/07 01:16
Aroclor 1232	A	ND	0.00050	0.00050		mg/L	1	10/09/07 01:16
Aroclor 1242	A	ND	0.000098	0.00050		mg/L	1	10/09/07 01:16
Aroclor 1248	A	ND	0.00014	0.00050		mg/L	1	10/09/07 01:16
Aroclor 1254	A	ND	0.00017	0.00050		mg/L	1	10/09/07 01:16
Aroclor 1260	A	ND	0.00011	0.00050		mg/L	1	10/09/07 01:16
Surr: Tetrachloro-m-xylene	S	75.0	0	7.58-153		%REC	1	10/09/07 01:16
Surr: Decachlorobiphenyl	S	80.0	0	15.4-169		%REC	1	10/09/07 01:16

TOTAL METALS	Method: **SW6020A**			Prep Date/Time: **10/04/07 08:35**		Analyst: **SAA**		
Aluminum	A	ND	0.0043	0.20		mg/L	5	10/04/07 18:05
Antimony	A	*0.00058*	0.000038	0.0060	Jb	mg/L	5	10/04/07 18:05 UB
Arsenic	A	*0.0014*	0.00031	0.010	J	mg/L	5	10/04/07 18:05
Barium	A	*0.12*	0.000058	0.0020		mg/L	5	10/04/07 18:05 B
Beryllium	A	ND	0.00096	0.0010		mg/L	5	10/05/07 14:53
Cadmium	A	ND	0.0000044	0.0020		mg/L	5	10/04/07 18:05

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-RESDUP01-30	**Work Order / ID:**	ME0710178-02
Sample Description:		**Collection Date:**	10/02/07 10:00
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
TOTAL METALS	Method: **SW6020A**			Prep Date/Time: **10/04/07 08:35**		Analyst: **SAA**			
Calcium	A	*83*	0.018	0.50		mg/L	5	10/04/07 18:05	B
Chromium	A	*0.0012*	0.00083	0.0030	J	mg/L	5	10/04/07 18:05	
Cobalt	A	*0.00017*	0.0000019	0.0030	J	mg/L	5	10/04/07 18:05	B
Copper	A	*0.0048*	0.000088	0.010	J	mg/L	5	10/04/07 18:05	
Iron	A	*2.4*	0.021	0.050		mg/L	5	10/04/07 18:05	
Lead	A	*0.00085*	0.00012	0.0075	J	mg/L	5	10/04/07 18:05	
Magnesium	A	*41*	0.0017	0.50		mg/L	5	10/04/07 18:05	
Manganese	A	*0.060*	0.000074	0.0020		mg/L	5	10/04/07 18:05	B
Nickel	A	*0.00085*	0.000031	0.010	J	mg/L	5	10/04/07 18:05	
Potassium	A	*1.7*	0.0040	0.50		mg/L	5	10/04/07 18:05	
Selenium	A	*0.0015*	0.000043	0.0050	Jb	mg/L	5	10/04/07 18:05	UB
Silver	A	*0.000014*	0.0000025	0.010	J	mg/L	5	10/04/07 18:05	UB
Sodium	A	*24*	0.0045	0.50		mg/L	5	10/04/07 18:05	
Thallium	A	*0.0026*	0.0000065	0.0020	b	mg/L	5	10/04/07 18:05	UB
Vanadium	A	*ND*	0.0011	0.0080		mg/L	5	10/04/07 18:05	
Zinc	A	*0.0062*	0.0038	0.020	J	mg/L	5	10/04/07 18:05	
TOTAL METALS	Method: **SW7470A**			Prep Date/Time: **10/06/07 10:35**		Analyst: **AVC**			
Mercury	A	*ND*	0.000030	0.00020		mg/L	1	10/08/07 14:12	
SEMIVOLATILE ORGANICS	Method: **SW8270C**			Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**			
4-Bromophenyl phenyl ether	A	*ND*	0.00092	0.010		mg/L	1	10/08/07 19:40	
Bis(2-ethylhexyl)phthalate	A	*ND*	0.0011	0.010		mg/L	1	10/08/07 19:40	
Acenaphthene	A	*ND*	0.00082	0.010		mg/L	1	10/08/07 19:40	
Acenaphthylene	A	*ND*	0.00071	0.010		mg/L	1	10/08/07 19:40	
Anthracene	A	*ND*	0.00092	0.010		mg/L	1	10/08/07 19:40	
Benzo[a]anthracene	A	*ND*	0.00082	0.010		mg/L	1	10/08/07 19:40	
Benzo[a]pyrene	A	*0.0011*	0.00092	0.010	Jb	mg/L	1	10/08/07 19:40	0.010UB
Benzo[b]fluoranthene	A	*ND*	0.0016	0.010		mg/L	1	10/08/07 19:40	
Benzo[g,h,i]perylene	A	*0.0012*	0.0010	0.010	Jb	mg/L	1	10/08/07 19:40	0.010UB
Benzo[k]fluoranthene	A	*ND*	0.0022	0.010		mg/L	1	10/08/07 19:40	
Bis(2-chloroethoxy)methane	A	*ND*	0.0010	0.010		mg/L	1	10/08/07 19:40	
Bis(2-chloroethyl)ether	A	*ND*	0.00092	0.010		mg/L	1	10/08/07 19:40	
Bis(2-chloroisopropyl)ether	A	*ND*	0.00092	0.010		mg/L	1	10/08/07 19:40	
Butyl benzyl phthalate	A	*ND*	0.0010	0.010		mg/L	1	10/08/07 19:40	
Carbazole	A	*ND*	0.0012	0.010		mg/L	1	10/08/07 19:40	
4-Chloro-3-methylphenol	A	*ND*	0.0012	0.020		mg/L	1	10/08/07 19:40	
4-Chloroaniline	A	*ND*	0.0010	0.020		mg/L	1	10/08/07 19:40	
2-Chloronaphthalene	A	*ND*	0.00092	0.010		mg/L	1	10/08/07 19:40	

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-RESDUP01-30	**Work Order / ID:**	ME0710178-02
Sample Description:		**Collection Date:**	10/02/07 10:00
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMIVOLATILE ORGANICS	Method: **SW8270C**				Prep Date/Time: **10/06/07 08:30**	Analyst: **BEM**		
2-Chlorophenol	A	*ND*	0.00071	0.010		mg/L	1	10/08/07 19:40
4-Chlorophenyl phenyl ether	A	*ND*	0.00092	0.010		mg/L	1	10/08/07 19:40
Chrysene	A	*ND*	0.0010	0.010		mg/L	1	10/08/07 19:40
Dibenz[a,h]anthracene	A	*0.0017*	0.00092	0.010	Jb	mg/L	1	10/08/07 19:40
Dibenzofuran	A	*ND*	0.00082	0.010		mg/L	1	10/08/07 19:40
3,3´-Dichlorobenzidine	A	*ND*	0.00071	0.051		mg/L	1	10/08/07 19:40
2,4-Dichlorophenol	A	*ND*	0.00071	0.010		mg/L	1	10/08/07 19:40
Diethyl phthalate	A	*ND*	0.0011	0.010		mg/L	1	10/08/07 19:40
Dimethyl phthalate	A	*ND*	0.00092	0.010		mg/L	1	10/08/07 19:40
2,4-Dimethylphenol	A	*ND*	0.00082	0.010		mg/L	1	10/08/07 19:40
Di-n-butyl phthalate	A	*ND*	0.0012	0.010		mg/L	1	10/08/07 19:40
Di-n-octyl phthalate	A	*ND*	0.0011	0.010		mg/L	1	10/08/07 19:40
4,6-Dinitro-2-methylphenol	A	*ND*	0.0011	0.051		mg/L	1	10/08/07 19:40
2,4-Dinitrophenol	A	*ND*	0.0096	0.051		mg/L	1	10/08/07 19:40
2,4-Dinitrotoluene	A	*ND*	0.00082	0.010		mg/L	1	10/08/07 19:40
2,6-Dinitrotoluene	A	*ND*	0.0011	0.010		mg/L	1	10/08/07 19:40
Fluoranthene	A	*ND*	0.0010	0.010		mg/L	1	10/08/07 19:40
Fluorene	A	*ND*	0.0010	0.010		mg/L	1	10/08/07 19:40
Hexachlorobenzene	A	*ND*	0.00092	0.010		mg/L	1	10/08/07 19:40
Hexachlorobutadiene	A	*ND*	0.00092	0.010		mg/L	1	10/08/07 19:40
Hexachlorocyclopentadiene	A	*ND*	0.00061	0.010	4J	mg/L	1	10/08/07 19:40
Hexachloroethane	A	*ND*	0.00092	0.010		mg/L	1	10/08/07 19:40
Indeno[1,2,3cd]pyrene	A	*0.0012*	0.0010	0.010	Jb	mg/L	1	10/08/07 19:40
Isophorone	A	*ND*	0.0010	0.010		mg/L	1	10/08/07 19:40
2-Methylnaphthalene	A	*ND*	0.00092	0.010		mg/L	1	10/08/07 19:40
2-Methylphenol	A	*ND*	0.00071	0.010		mg/L	1	10/08/07 19:40
3/4-Methylphenol	A	*ND*	0.00082	0.010		mg/L	1	10/08/07 19:40
2-Nitroaniline	A	*ND*	0.0010	0.051		mg/L	1	10/08/07 19:40
3-Nitroaniline	A	*ND*	0.0013	0.051		mg/L	1	10/08/07 19:40
4-Nitroaniline	A	*ND*	0.0017	0.051		mg/L	1	10/08/07 19:40
2-Nitrophenol	A	*ND*	0.0010	0.010		mg/L	1	10/08/07 19:40
4-Nitrophenol	A	*ND*	0.0044	0.051		mg/L	1	10/08/07 19:40
N-Nitrosodi-n-propylamine	A	*ND*	0.0010	0.010		mg/L	1	10/08/07 19:40
N-Nitrosodiphenylamine	A	*ND*	0.00071	0.010		mg/L	1	10/08/07 19:40
Naphthalene	A	*ND*	0.00071	0.010		mg/L	1	10/08/07 19:40
Nitrobenzene	A	*ND*	0.0010	0.010		mg/L	1	10/08/07 19:40
Pentachlorophenol	A	*ND*	0.0013	0.051		mg/L	1	10/08/07 19:40
Phenanthrene	A	*ND*	0.00082	0.010		mg/L	1	10/08/07 19:40
Phenol	A	*ND*	0.00041	0.010		mg/L	1	10/08/07 19:40

0.010 4B

0.010 B

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MW1030-7

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-RESDUP01-30	**Work Order / ID:**	ME0710178-02
Sample Description:		**Collection Date:**	10/02/07 10:00
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMIVOLATILE ORGANICS	Method: **SW8270C**				Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**	
Pyrene	A	*ND*	0.00092	0.010		mg/L	1	10/08/07 19:40
2,4,5-Trichlorophenol	A	*ND*	0.0015	0.010		mg/L	1	10/08/07 19:40
2,4,6-Trichlorophenol	A	*ND*	0.00092	0.010		mg/L	1	10/08/07 19:40
Surr: Nitrobenzene-d5	S	56.7	0	10-121		%REC	1	10/08/07 19:40
Surr: 2-Fluorobiphenyl	S	59.2	0	10-109		%REC	1	10/08/07 19:40
Surr: Terphenyl-d14	S	75.2	0	10-130		%REC	1	10/08/07 19:40
Surr: Phenol-d5	S	23.1	0	10-100		%REC	1	10/08/07 19:40
Surr: 2-Fluorophenol	S	36.0	0	10-84.7		%REC	1	10/08/07 19:40
Surr: 2,4,6-Tribromophenol	S	71.8	0	10-120		%REC	1	10/08/07 19:40

VOC'S	Method: **SW8260B**				Prep Date/Time:		Analyst: **NLT**	
Acetone	A	*ND*	0.0020	0.0050	UJ	mg/L	1	10/10/07 08:55
Benzene	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 08:55
Bromodichloromethane	A	*ND*	0.00050	0.0010		mg/L	1	10/10/07 08:55
Bromoform	A	*ND*	0.00040	0.0010		mg/L	1	10/10/07 08:55
Bromomethane	A	*ND*	0.00060	0.0020		mg/L	1	10/10/07 08:55
2-Butanone	A	*ND*	0.0015	0.0020	UJ	mg/L	1	10/10/07 08:55
Carbon Disulfide	A	*ND*	0.00040	0.0020		mg/L	1	10/10/07 08:55
Carbon tetrachloride	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 08:55
Chlorobenzene	A	*ND*	0.00020	0.0010		mg/L	1	10/10/07 08:55
Chloroethane	A	*ND*	0.00080	0.0020		mg/L	1	10/10/07 08:55
Chloroform	A	*ND*	0.00070	0.0010		mg/L	1	10/10/07 08:55
Chloromethane	A	*ND*	0.00030	0.0020		mg/L	1	10/10/07 08:55
Dibromochloromethane	A	*ND*	0.00060	0.0010		mg/L	1	10/10/07 08:55
1,1-Dichloroethane	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 08:55
1,2-Dichloroethane	A	*ND*	0.00040	0.0010		mg/L	1	10/10/07 08:55
1,1-Dichloroethene	A	*ND*	0.00040	0.0010		mg/L	1	10/10/07 08:55
cis-1,2-Dichloroethene	A	*ND*	0.00040	0.0010		mg/L	1	10/10/07 08:55
trans-1,2-Dichloroethene	A	*ND*	0.00040	0.0010		mg/L	1	10/10/07 08:55
1,2-Dichloropropane	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 08:55
trans-1,3-Dichloropropene	A	*ND*	0.00060	0.0010		mg/L	1	10/10/07 08:55
cis-1,3-Dichloropropene	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 08:55
Ethylbenzene	A	*ND*	0.00020	0.0010		mg/L	1	10/10/07 08:55
2-Hexanone	A	*ND*	0.0011	0.0020		mg/L	1	10/10/07 08:55
4-Methyl-2-Pentanone	A	*ND*	0.00080	0.0010		mg/L	1	10/10/07 08:55
Methylene chloride	A	*ND*	0.00070	0.0020		mg/L	1	10/10/07 08:55
Styrene	A	*ND*	0.00020	0.0010		mg/L	1	10/10/07 08:55
1,1,2,2-Tetrachloroethane	A	*ND*	0.00070	0.0010		mg/L	1	10/10/07 08:55

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-RESDUP01-30	**Work Order / ID:**	ME0710178-02
Sample Description:		**Collection Date:**	10/02/07 10:00
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Tetrachloroethene	A	*ND*	0.00040	0.0010		mg/L	1	10/10/07 08:55
Toluene	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 08:55
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 08:55
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0010		mg/L	1	10/10/07 08:55
Trichloroethene	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 08:55
Vinyl chloride	A	*ND*	0.00040	0.0020		mg/L	1	10/10/07 08:55
Total Xylenes	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 08:55
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0010	UJ	mg/L	1	10/10/07 08:55
1,2-Dichlorobenzene	A	*ND*	0.00020	0.0010		mg/L	1	10/10/07 08:55
1,3-Dichlorobenzene	A	*ND*	0.00020	0.0010		mg/L	1	10/10/07 08:55
1,4-Dichlorobenzene	A	*ND*	0.00020	0.0010		mg/L	1	10/10/07 08:55
Surr: 4-Bromofluorobenzene	S	88.4	0	74.3-123		%REC	1	10/10/07 08:55
Surr: Dibromofluoromethane	S	104	0	84.9-118		%REC	1	10/10/07 08:55
Surr: 1,2-Dichloroethane-d4	S	106	0	77.9-126		%REC	1	10/10/07 08:55
Surr: Toluene-d8	S	99.6	0	80.8-118		%REC	1	10/10/07 08:55
TOTAL CYANIDE	Method: **SW-9012B**			Prep Date/Time: **10/08/07 07:45**				Analyst: **RPL**
Cyanide, Total	A	*ND*	0.0020	0.0050		mg/L	1	10/08/07 14:18

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWB-30	**Work Order / ID:**	ME0710178-03
Sample Description:		**Collection Date:**	10/02/07 11:15
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

PESTICIDES/PCBS Method: **SW8081A/8082** Prep Date/Time: **10/06/07 13:15** Analyst: **ALS**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
4,4´-DDD	A	ND	0.000034	0.0010		mg/L	1	10/09/07 01:43
4,4´-DDE	A	ND	0.000016	0.0010		mg/L	1	10/09/07 01:43
4,4´-DDT	A	ND	0.000016	0.0010		mg/L	1	10/09/07 01:43
Aldrin	A	ND	0.000016	0.000051	UJ	mg/L	1	10/09/07 01:43
Alpha-BHC	A	ND	0.000011	0.000051	UJ	mg/L	1	10/09/07 01:43
alpha-Chlordane	A	ND	0.000025	0.010		mg/L	1	10/09/07 01:43
Beta-BHC	A	ND	0.0000010	0.00020		mg/L	1	10/09/07 01:43
delta-BHC	A	ND	0.000016	0.0010	UJ	mg/L	1	10/09/07 01:43
Dieldrin	A	ND	0.000011	0.000051	UJ	mg/L	1	10/09/07 01:43
Endosulfan I	A	ND	0.000014	0.0010		mg/L	1	10/09/07 01:43
Endosulfan II	A	ND	0.000014	0.0010		mg/L	1	10/09/07 01:43
Endosulfan Sulfate	A	ND	0.000016	0.0010		mg/L	1	10/09/07 01:43
Endrin	A	ND	0.000014	0.0010	UJ	mg/L	1	10/09/07 01:43
Endrin Aldehyde	A	ND	0.0000010	0.0010		mg/L	1	10/09/07 01:43
Endrin Ketone	A	ND	0.000028	0.0010		mg/L	1	10/09/07 01:43
Gamma-BHC	A	ND	0.000011	0.00010	UJ	mg/L	1	10/09/07 01:43
gamma-Chlordane	A	ND	0.000011	0.010		mg/L	1	10/09/07 01:43
Heptachlor	A	ND	0.000014	0.00020	UJ	mg/L	1	10/09/07 01:43
Heptachlor Epoxide	A	ND	0.000016	0.00010		mg/L	1	10/09/07 01:43
Methoxychlor	A	ND	0.00019	0.0010	UJ	mg/L	1	10/09/07 01:43
Toxaphene	A	ND	0.00067	0.0020		mg/L	1	10/09/07 01:43
Aroclor 1016	A	ND	0.00011	0.00051		mg/L	1	10/09/07 01:43
Aroclor 1221	A	ND	0.00051	0.00051		mg/L	1	10/09/07 01:43
Aroclor 1232	A	ND	0.00051	0.00051		mg/L	1	10/09/07 01:43
Aroclor 1242	A	ND	0.000099	0.00051		mg/L	1	10/09/07 01:43
Aroclor 1248	A	ND	0.00014	0.00051		mg/L	1	10/09/07 01:43
Aroclor 1254	A	ND	0.00017	0.00051		mg/L	1	10/09/07 01:43
Aroclor 1260	A	ND	0.00011	0.00051		mg/L	1	10/09/07 01:43
Surr: Tetrachloro-m-xylene	S	80.0	0	7.58-153		%REC	1	10/09/07 01:43
Surr: Decachlorobiphenyl	S	85.0	0	15.4-169		%REC	1	10/09/07 01:43

TOTAL METALS Method: **SW6020A** Prep Date/Time: **10/04/07 08:35** Analyst: **SAA**

Aluminum	A	ND	0.0043	0.20		mg/L	5	10/04/07 18:30	
Antimony	A	*0.00011*	0.000038	0.0060	Jb	mg/L	5	10/04/07 18:30	UB
Arsenic	A	*0.00041*	0.00031	0.010	J	mg/L	5	10/04/07 18:30	
Barium	A	*0.12*	0.000058	0.0020		mg/L	5	10/04/07 18:30	B
Beryllium	A	ND	0.00096	0.0010		mg/L	5	10/05/07 14:59	
Cadmium	A	ND	0.0000044	0.0020		mg/L	5	10/04/07 18:30	

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWB-30	**Work Order / ID:**	ME0710178-03
Sample Description:		**Collection Date:**	10/02/07 11:15
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
TOTAL METALS	Method: **SW6020A**			Prep Date/Time: **10/04/07 08:35**		Analyst: **SAA**			
Calcium	A	***80***	0.018	0.50		mg/L	5	10/04/07 18:30	B
Chromium	A	***ND***	0.00083	0.0030		mg/L	5	10/04/07 18:30	
Cobalt	A	***0.00016***	0.0000019	0.0030	J	mg/L	5	10/04/07 18:30	B
Copper	A	***0.0033***	0.000088	0.010	J	mg/L	5	10/04/07 18:30	
Iron	A	***2.3***	0.021	0.050		mg/L	5	10/04/07 18:30	
Lead	A	***0.00029***	0.00012	0.0075	J	mg/L	5	10/04/07 18:30	
Magnesium	A	***40***	0.0017	0.50		mg/L	5	10/04/07 18:30	
Manganese	A	***0.060***	0.000074	0.0020		mg/L	5	10/04/07 18:30	B
Nickel	A	***0.0014***	0.000031	0.010	J	mg/L	5	10/04/07 18:30	
Potassium	A	***1.7***	0.0040	0.50		mg/L	5	10/04/07 18:30	
Selenium	A	***0.00026***	0.000043	0.0050	Jb	mg/L	5	10/04/07 18:30	uB
Silver	A	***ND***	0.0000025	0.010		mg/L	5	10/04/07 18:30	
Sodium	A	***23***	0.0045	0.50		mg/L	5	10/04/07 18:30	
Thallium	A	***0.00028***	0.0000065	0.0020	Jb	mg/L	5	10/04/07 18:30	uB
Vanadium	A	***ND***	0.0011	0.0080		mg/L	5	10/04/07 18:30	
Zinc	A	***0.0073***	0.0038	0.020	J	mg/L	5	10/04/07 18:30	
TOTAL METALS	Method: **SW7470A**			Prep Date/Time: **10/06/07 10:35**		Analyst: **AVC**			
Mercury	A	***ND***	0.000030	0.00020		mg/L	1	10/08/07 14:13	

SEMIVOLATILE ORGANICS	Method: **SW8270C**			Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**			
4-Bromophenyl phenyl ether	A	***ND***	0.00093	0.010		mg/L	1	10/08/07 20:29	
Bis(2-ethylhexyl)phthalate	A	***ND***	0.0011	0.010		mg/L	1	10/08/07 20:29	
Acenaphthene	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 20:29	
Acenaphthylene	A	***ND***	0.00072	0.010		mg/L	1	10/08/07 20:29	
Anthracene	A	***ND***	0.00093	0.010		mg/L	1	10/08/07 20:29	
Benzo[a]anthracene	A	***ND***	0.00082	0.010		mg/L	1	10/08/07 20:29	
Benzo[a]pyrene	A	***0.0015***	0.00093	0.010	Jb	mg/L	1	10/08/07 20:29	0.010uB
Benzo[b]fluoranthene	A	***ND***	0.0016	0.010		mg/L	1	10/08/07 20:29	
Benzo[g,h,i]perylene	A	***0.0014***	0.0010	0.010	Jb	mg/L	1	10/08/07 20:29	0.010uB
Benzo[k]fluoranthene	A	***ND***	0.0023	0.010		mg/L	1	10/08/07 20:29	
Bis(2-chloroethoxy)methane	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 20:29	
Bis(2-chloroethyl)ether	A	***ND***	0.00093	0.010		mg/L	1	10/08/07 20:29	
Bis(2-chloroisopropyl)ether	A	***ND***	0.00093	0.010		mg/L	1	10/08/07 20:29	
Butyl benzyl phthalate	A	***ND***	0.0010	0.010		mg/L	1	10/08/07 20:29	
Carbazole	A	***ND***	0.0012	0.010		mg/L	1	10/08/07 20:29	
4-Chloro-3-methylphenol	A	***ND***	0.0012	0.021		mg/L	1	10/08/07 20:29	
4-Chloroaniline	A	***ND***	0.0010	0.021		mg/L	1	10/08/07 20:29	
2-Chloronaphthalene	A	***ND***	0.00093	0.010		mg/L	1	10/08/07 20:29	

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWB-30	**Work Order / ID:**	ME0710178-03
Sample Description:		**Collection Date:**	10/02/07 11:15
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

SEMIVOLATILE ORGANICS Method: **SW8270C** Prep Date/Time: **10/06/07 08:30** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
2-Chlorophenol	A	ND	0.00072	0.010		mg/L	1	10/08/07 20:29	
4-Chlorophenyl phenyl ether	A	ND	0.00093	0.010		mg/L	1	10/08/07 20:29	
Chrysene	A	ND	0.0010	0.010		mg/L	1	10/08/07 20:29	
Dibenz[a,h]anthracene	A	*0.0016*	0.00093	0.010	Jb	mg/L	1	10/08/07 20:29	0.010 UB
Dibenzofuran	A	ND	0.00082	0.010		mg/L	1	10/08/07 20:29	
3,3´-Dichlorobenzidine	A	ND	0.00072	0.052		mg/L	1	10/08/07 20:29	
2,4-Dichlorophenol	A	ND	0.00072	0.010		mg/L	1	10/08/07 20:29	
Diethyl phthalate	A	ND	0.0011	0.010		mg/L	1	10/08/07 20:29	
Dimethyl phthalate	A	ND	0.00093	0.010		mg/L	1	10/08/07 20:29	
2,4-Dimethylphenol	A	ND	0.00082	0.010		mg/L	1	10/08/07 20:29	
Di-n-butyl phthalate	A	ND	0.0012	0.010		mg/L	1	10/08/07 20:29	
Di-n-octyl phthalate	A	ND	0.0011	0.010		mg/L	1	10/08/07 20:29	
4,6-Dinitro-2-methylphenol	A	ND	0.0011	0.052		mg/L	1	10/08/07 20:29	
2,4-Dinitrophenol	A	ND	0.0097	0.052		mg/L	1	10/08/07 20:29	
2,4-Dinitrotoluene	A	ND	0.00082	0.010		mg/L	1	10/08/07 20:29	
2,6-Dinitrotoluene	A	ND	0.0011	0.010		mg/L	1	10/08/07 20:29	
Fluoranthene	A	ND	0.0010	0.010		mg/L	1	10/08/07 20:29	
Fluorene	A	ND	0.0010	0.010		mg/L	1	10/08/07 20:29	
Hexachlorobenzene	A	ND	0.00093	0.010		mg/L	1	10/08/07 20:29	
Hexachlorobutadiene	A	ND	0.00093	0.010		mg/L	1	10/08/07 20:29	
Hexachlorocyclopentadiene	A	ND	0.00062	0.010	UJ	mg/L	1	10/08/07 20:29	
Hexachloroethane	A	ND	0.00093	0.010		mg/L	1	10/08/07 20:29	
Indeno[1,2,3cd]pyrene	A	*0.0015*	0.0010	0.010	Jb	mg/L	1	10/08/07 20:29	0.010 UB
Isophorone	A	ND	0.0010	0.010		mg/L	1	10/08/07 20:29	
2-Methylnaphthalene	A	ND	0.00093	0.010		mg/L	1	10/08/07 20:29	
2-Methylphenol	A	ND	0.00072	0.010		mg/L	1	10/08/07 20:29	
3/4-Methylphenol	A	ND	0.00082	0.010		mg/L	1	10/08/07 20:29	
2-Nitroaniline	A	ND	0.0010	0.052		mg/L	1	10/08/07 20:29	
3-Nitroaniline	A	ND	0.0013	0.052		mg/L	1	10/08/07 20:29	
4-Nitroaniline	A	ND	0.0018	0.052		mg/L	1	10/08/07 20:29	
2-Nitrophenol	A	ND	0.0010	0.010		mg/L	1	10/08/07 20:29	
4-Nitrophenol	A	ND	0.0044	0.052		mg/L	1	10/08/07 20:29	
N-Nitrosodi-n-propylamine	A	ND	0.0010	0.010		mg/L	1	10/08/07 20:29	
N-Nitrosodiphenylamine	A	ND	0.00072	0.010		mg/L	1	10/08/07 20:29	
Naphthalene	A	ND	0.00072	0.010		mg/L	1	10/08/07 20:29	
Nitrobenzene	A	ND	0.0010	0.010		mg/L	1	10/08/07 20:29	
Pentachlorophenol	A	ND	0.0013	0.052		mg/L	1	10/08/07 20:29	
Phenanthrene	A	ND	0.00082	0.010		mg/L	1	10/08/07 20:29	
Phenol	A	ND	0.00041	0.010		mg/L	1	10/08/07 20:29	

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-PWB-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710178-03
Collection Date: 10/02/07 11:15
Date Received: 10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMIVOLATILE ORGANICS	Method: **SW8270C**				Prep Date/Time: **10/06/07 08:30**	Analyst: **BEM**		
Pyrene	A	ND	0.00093	0.010		mg/L	1	10/08/07 20:29
2,4,5-Trichlorophenol	A	ND	0.0015	0.010		mg/L	1	10/08/07 20:29
2,4,6-Trichlorophenol	A	ND	0.00093	0.010		mg/L	1	10/08/07 20:29
Surr: Nitrobenzene-d5	S	54.5	0	10-121		%REC	1	10/08/07 20:29
Surr: 2-Fluorobiphenyl	S	55.6	0	10-109		%REC	1	10/08/07 20:29
Surr: Terphenyl-d14	S	76.0	0	10-130		%REC	1	10/08/07 20:29
Surr: Phenol-d5	S	22.4	0	10-100		%REC	1	10/08/07 20:29
Surr: 2-Fluorophenol	S	36.2	0	10-84.7		%REC	1	10/08/07 20:29
Surr: 2,4,6-Tribromophenol	S	67.9	0	10-120		%REC	1	10/08/07 20:29

VOC'S	Method: **SW8260B**				Prep Date/Time:		Analyst: **NLT**	
Acetone	A	ND	0.0020	0.0050	UJ	mg/L	1	10/10/07 09:27
Benzene	A	ND	0.00030	0.0010		mg/L	1	10/10/07 09:27
Bromodichloromethane	A	ND	0.00050	0.0010		mg/L	1	10/10/07 09:27
Bromoform	A	ND	0.00040	0.0010		mg/L	1	10/10/07 09:27
Bromomethane	A	ND	0.00060	0.0020		mg/L	1	10/10/07 09:27
2-Butanone	A	ND	0.0015	0.0020	UJ	mg/L	1	10/10/07 09:27
Carbon Disulfide	A	ND	0.00040	0.0020		mg/L	1	10/10/07 09:27
Carbon tetrachloride	A	ND	0.00030	0.0010		mg/L	1	10/10/07 09:27
Chlorobenzene	A	ND	0.00020	0.0010		mg/L	1	10/10/07 09:27
Chloroethane	A	ND	0.00080	0.0020		mg/L	1	10/10/07 09:27
Chloroform	A	ND	0.00070	0.0010		mg/L	1	10/10/07 09:27
Chloromethane	A	ND	0.00030	0.0020		mg/L	1	10/10/07 09:27
Dibromochloromethane	A	ND	0.00060	0.0010		mg/L	1	10/10/07 09:27
1,1-Dichloroethane	A	ND	0.00030	0.0010		mg/L	1	10/10/07 09:27
1,2-Dichloroethane	A	ND	0.00040	0.0010		mg/L	1	10/10/07 09:27
1,1-Dichloroethene	A	ND	0.00040	0.0010		mg/L	1	10/10/07 09:27
cis-1,2-Dichloroethene	A	ND	0.00040	0.0010		mg/L	1	10/10/07 09:27
trans-1,2-Dichloroethene	A	ND	0.00040	0.0010		mg/L	1	10/10/07 09:27
1,2-Dichloropropane	A	ND	0.00030	0.0010		mg/L	1	10/10/07 09:27
trans-1,3-Dichloropropene	A	ND	0.00060	0.0010		mg/L	1	10/10/07 09:27
cis-1,3-Dichloropropene	A	ND	0.00030	0.0010		mg/L	1	10/10/07 09:27
Ethylbenzene	A	ND	0.00020	0.0010		mg/L	1	10/10/07 09:27
2-Hexanone	A	ND	0.0011	0.0020		mg/L	1	10/10/07 09:27
4-Methyl-2-Pentanone	A	ND	0.00080	0.0010		mg/L	1	10/10/07 09:27
Methylene chloride	A	ND	0.00070	0.0020		mg/L	1	10/10/07 09:27
Styrene	A	ND	0.00020	0.0010		mg/L	1	10/10/07 09:27
1,1,2,2-Tetrachloroethane	A	ND	0.00070	0.0010		mg/L	1	10/10/07 09:27

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWB-30	**Work Order / ID:**	ME0710178-03
Sample Description:		**Collection Date:**	10/02/07 11:15
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Tetrachloroethene	A	*ND*	0.00040	0.0010		mg/L	1	10/10/07 09:27
Toluene	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 09:27
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 09:27
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0010		mg/L	1	10/10/07 09:27
Trichloroethene	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 09:27
Vinyl chloride	A	*ND*	0.00040	0.0020		mg/L	1	10/10/07 09:27
Total Xylenes	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 09:27
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0010	UJ	mg/L	1	10/10/07 09:27
1,2-Dichlorobenzene	A	*ND*	0.00020	0.0010		mg/L	1	10/10/07 09:27
1,3-Dichlorobenzene	A	*ND*	0.00020	0.0010		mg/L	1	10/10/07 09:27
1,4-Dichlorobenzene	A	*ND*	0.00020	0.0010		mg/L	1	10/10/07 09:27
Surr: 4-Bromofluorobenzene	S	87.1	0	74.3-123		%REC	1	10/10/07 09:27
Surr: Dibromofluoromethane	S	104	0	84.9-118		%REC	1	10/10/07 09:27
Surr: 1,2-Dichloroethane-d4	S	104	0	77.9-126		%REC	1	10/10/07 09:27
Surr: Toluene-d8	S	98.7	0	80.8-118		%REC	1	10/10/07 09:27
TOTAL CYANIDE	Method: **SW-9012B**			Prep Date/Time: **10/08/07 07:45**				Analyst: **RPL**
Cyanide, Total	A	*ND*	0.0020	0.0050		mg/L	1	10/08/07 14:20

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWC-30	**Work Order / ID:**	ME0710178-04
Sample Description:		**Collection Date:**	10/02/07 12:20
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
PESTICIDES/PCBS	Method: **SW8081A/8082**			Prep Date/Time: **10/06/07 13:15**		Analyst: **ALS**		
4,4´-DDD	A	***ND***	0.000035	0.0010		mg/L	1	10/09/07 02:11
4,4´-DDE	A	***ND***	0.000017	0.0010		mg/L	1	10/09/07 02:11
4,4´-DDT	A	***ND***	0.000017	0.0010		mg/L	1	10/09/07 02:11
Aldrin	A	***ND***	0.000017	0.000052	UJ	mg/L	1	10/09/07 02:11
Alpha-BHC	A	***ND***	0.000011	0.000052	UJ	mg/L	1	10/09/07 02:11
alpha-Chlordane	A	***ND***	0.000026	0.010		mg/L	1	10/09/07 02:11
Beta-BHC	A	***ND***	0.0000010	0.00021		mg/L	1	10/09/07 02:11
delta-BHC	A	***ND***	0.000017	0.0010	UJ	mg/L	1	10/09/07 02:11
Dieldrin	A	***ND***	0.000011	0.000052	UJ	mg/L	1	10/09/07 02:11
Endosulfan I	A	***ND***	0.000015	0.0010		mg/L	1	10/09/07 02:11
Endosulfan II	A	***ND***	0.000015	0.0010		mg/L	1	10/09/07 02:11
Endosulfan Sulfate	A	***ND***	0.000017	0.0010		mg/L	1	10/09/07 02:11
Endrin	A	***ND***	0.000015	0.0010	UJ	mg/L	1	10/09/07 02:11
Endrin Aldehyde	A	***ND***	0.0000010	0.0010		mg/L	1	10/09/07 02:11
Endrin Ketone	A	***ND***	0.000029	0.0010		mg/L	1	10/09/07 02:11
Gamma-BHC	A	***ND***	0.000011	0.00010	UJ	mg/L	1	10/09/07 02:11
gamma-Chlordane	A	***ND***	0.000011	0.010		mg/L	1	10/09/07 02:11
Heptachlor	A	***ND***	0.000015	0.00021	UJ	mg/L	1	10/09/07 02:11
Heptachlor Epoxide	A	***ND***	0.000017	0.00010		mg/L	1	10/09/07 02:11
Methoxychlor	A	***ND***	0.00020	0.0010	UJ	mg/L	1	10/09/07 02:11
Toxaphene	A	***ND***	0.00069	0.0021		mg/L	1	10/09/07 02:11
Aroclor 1016	A	***ND***	0.00011	0.00052		mg/L	1	10/09/07 02:11
Aroclor 1221	A	***ND***	0.00052	0.00052		mg/L	1	10/09/07 02:11
Aroclor 1232	A	***ND***	0.00052	0.00052		mg/L	1	10/09/07 02:11
Aroclor 1242	A	***ND***	0.00010	0.00052		mg/L	1	10/09/07 02:11
Aroclor 1248	A	***ND***	0.00015	0.00052		mg/L	1	10/09/07 02:11
Aroclor 1254	A	***ND***	0.00018	0.00052		mg/L	1	10/09/07 02:11
Aroclor 1260	A	***ND***	0.00011	0.00052		mg/L	1	10/09/07 02:11
Surr: Tetrachloro-m-xylene	S	80.0	0	7.58-153		%REC	1	10/09/07 02:11
Surr: Decachlorobiphenyl	S	90.0	0	15.4-169		%REC	1	10/09/07 02:11

TOTAL METALS	Method: **SW6020A**			Prep Date/Time: **10/04/07 08:35**		Analyst: **SAA**		
Aluminum	A	***ND***	0.0043	0.20		mg/L	5	10/04/07 18:36
Antimony	A	***0.000068***	0.000038	0.0060	Jb	mg/L	5	10/04/07 18:36
Arsenic	A	***0.00047***	0.00031	0.010	J	mg/L	5	10/04/07 18:36
Barium	A	***0.15***	0.000058	0.0020		mg/L	5	10/04/07 18:36
Beryllium	A	***ND***	0.00096	0.0010		mg/L	5	10/05/07 15:06
Cadmium	A	***0.000014***	0.0000044	0.0020	J	mg/L	5	10/04/07 18:36

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWC-30	**Work Order / ID:**	ME0710178-04
Sample Description:		**Collection Date:**	10/02/07 12:20
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
TOTAL METALS	Method: **SW6020A**					Prep Date/Time: **10/04/07 08:35**		Analyst: **SAA**	
Calcium	A	*86*	0.018	0.50		mg/L	5	10/04/07 18:36	B
Chromium	A	*ND*	0.00083	0.0030		mg/L	5	10/04/07 18:36	
Cobalt	A	*0.00017*	0.0000019	0.0030	J	mg/L	5	10/04/07 18:36	B
Copper	A	*0.0089*	0.000088	0.010	J	mg/L	5	10/04/07 18:36	
Iron	A	*3.5*	0.021	0.050		mg/L	5	10/04/07 18:36	
Lead	A	*0.00059*	0.00012	0.0075	J	mg/L	5	10/04/07 18:36	
Magnesium	A	*49*	0.0017	0.50		mg/L	5	10/04/07 18:36	
Manganese	A	*0.035*	0.000074	0.0020		mg/L	5	10/04/07 18:36	B
Nickel	A	*0.0022*	0.000031	0.010	J	mg/L	5	10/04/07 18:36	
Potassium	A	*2.2*	0.0040	0.50		mg/L	5	10/04/07 18:36	
Selenium	A	*ND*	0.000043	0.0050		mg/L	5	10/04/07 18:36	
Silver	A	*ND*	0.0000025	0.010		mg/L	5	10/04/07 18:36	
Sodium	A	*17*	0.0045	0.50		mg/L	5	10/04/07 18:36	
Thallium	A	*0.00016*	0.0000065	0.0020	Jb	mg/L	5	10/04/07 18:36	JB
Vanadium	A	*ND*	0.0011	0.0080		mg/L	5	10/04/07 18:36	
Zinc	A	*0.021*	0.0038	0.020		mg/L	5	10/04/07 18:36	
TOTAL METALS	Method: **SW7470A**					Prep Date/Time: **10/06/07 10:35**		Analyst: **AVC**	
Mercury	A	*ND*	0.000030	0.00020		mg/L	1	10/08/07 14:15	
SEMIVOLATILE ORGANICS	Method: **SW8270C**					Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**	
4-Bromophenyl phenyl ether	A	*ND*	0.00091	0.010		mg/L	1	10/08/07 20:53	
Bis(2-ethylhexyl)phthalate	A	*ND*	0.0011	0.010		mg/L	1	10/08/07 20:53	
Acenaphthene	A	*ND*	0.00081	0.010		mg/L	1	10/08/07 20:53	
Acenaphthylene	A	*ND*	0.00071	0.010		mg/L	1	10/08/07 20:53	
Anthracene	A	*ND*	0.00091	0.010		mg/L	1	10/08/07 20:53	
Benzo[a]anthracene	A	*ND*	0.00081	0.010		mg/L	1	10/08/07 20:53	
Benzo[a]pyrene	A	*ND*	0.00091	0.010		mg/L	1	10/08/07 20:53	
Benzo[b]fluoranthene	A	*ND*	0.0016	0.010		mg/L	1	10/08/07 20:53	
Benzo[g,h,i]perylene	A	*0.0015*	0.0010	0.010	Jb	mg/L	1	10/08/07 20:53	0.010 JB
Benzo[k]fluoranthene	A	*ND*	0.0022	0.010		mg/L	1	10/08/07 20:53	
Bis(2-chloroethoxy)methane	A	*ND*	0.0010	0.010		mg/L	1	10/08/07 20:53	
Bis(2-chloroethyl)ether	A	*ND*	0.00091	0.010		mg/L	1	10/08/07 20:53	
Bis(2-chloroisopropyl)ether	A	*ND*	0.00091	0.010		mg/L	1	10/08/07 20:53	
Butyl benzyl phthalate	A	*ND*	0.0010	0.010		mg/L	1	10/08/07 20:53	
Carbazole	A	*ND*	0.0012	0.010		mg/L	1	10/08/07 20:53	
4-Chloro-3-methylphenol	A	*ND*	0.0012	0.020		mg/L	1	10/08/07 20:53	
4-Chloroaniline	A	*ND*	0.0010	0.020		mg/L	1	10/08/07 20:53	
2-Chloronaphthalene	A	*ND*	0.00091	0.010		mg/L	1	10/08/07 20:53	

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWC-30	**Work Order / ID:**	ME0710178-04
Sample Description:		**Collection Date:**	10/02/07 12:20
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

SEMIVOLATILE ORGANICS Method: **SW8270C** Prep Date/Time: **10/06/07 08:30** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
2-Chlorophenol	A	ND	0.00071	0.010		mg/L	1	10/08/07 20:53	
4-Chlorophenyl phenyl ether	A	ND	0.00091	0.010		mg/L	1	10/08/07 20:53	
Chrysene	A	ND	0.0010	0.010		mg/L	1	10/08/07 20:53	
Dibenz[a,h]anthracene	A	*0.0017*	0.00091	0.010	Jb	mg/L	1	10/08/07 20:53	0.010 B
Dibenzofuran	A	ND	0.00081	0.010		mg/L	1	10/08/07 20:53	
3,3'-Dichlorobenzidine	A	ND	0.00071	0.051		mg/L	1	10/08/07 20:53	
2,4-Dichlorophenol	A	ND	0.00071	0.010		mg/L	1	10/08/07 20:53	
Diethyl phthalate	A	ND	0.0011	0.010		mg/L	1	10/08/07 20:53	
Dimethyl phthalate	A	ND	0.00091	0.010		mg/L	1	10/08/07 20:53	
2,4-Dimethylphenol	A	ND	0.00081	0.010		mg/L	1	10/08/07 20:53	
Di-n-butyl phthalate	A	ND	0.0012	0.010		mg/L	1	10/08/07 20:53	
Di-n-octyl phthalate	A	ND	0.0011	0.010		mg/L	1	10/08/07 20:53	
4,6-Dinitro-2-methylphenol	A	ND	0.0011	0.051		mg/L	1	10/08/07 20:53	
2,4-Dinitrophenol	A	ND	0.0095	0.051		mg/L	1	10/08/07 20:53	
2,4-Dinitrotoluene	A	ND	0.00081	0.010		mg/L	1	10/08/07 20:53	
2,6-Dinitrotoluene	A	ND	0.0011	0.010		mg/L	1	10/08/07 20:53	
Fluoranthene	A	ND	0.0010	0.010		mg/L	1	10/08/07 20:53	
Fluorene	A	ND	0.0010	0.010		mg/L	1	10/08/07 20:53	
Hexachlorobenzene	A	ND	0.00091	0.010		mg/L	1	10/08/07 20:53	
Hexachlorobutadiene	A	ND	0.00091	0.010		mg/L	1	10/08/07 20:53	
Hexachlorocyclopentadiene	A	ND	0.00061	0.010	UJ	mg/L	1	10/08/07 20:53	
Hexachloroethane	A	ND	0.00091	0.010		mg/L	1	10/08/07 20:53	
Indeno[1,2,3cd]pyrene	A	*0.0016*	0.0010	0.010	Jb	mg/L	1	10/08/07 20:53	0.010 B
Isophorone	A	ND	0.0010	0.010		mg/L	1	10/08/07 20:53	
2-Methylnaphthalene	A	ND	0.00091	0.010		mg/L	1	10/08/07 20:53	
2-Methylphenol	A	ND	0.00071	0.010		mg/L	1	10/08/07 20:53	
3/4-Methylphenol	A	ND	0.00081	0.010		mg/L	1	10/08/07 20:53	
2-Nitroaniline	A	ND	0.0010	0.051		mg/L	1	10/08/07 20:53	
3-Nitroaniline	A	ND	0.0013	0.051		mg/L	1	10/08/07 20:53	
4-Nitroaniline	A	ND	0.0017	0.051		mg/L	1	10/08/07 20:53	
2-Nitrophenol	A	ND	0.0010	0.010		mg/L	1	10/08/07 20:53	
4-Nitrophenol	A	ND	0.0043	0.051		mg/L	1	10/08/07 20:53	
N-Nitrosodi-n-propylamine	A	ND	0.0010	0.010		mg/L	1	10/08/07 20:53	
N-Nitrosodiphenylamine	A	ND	0.00071	0.010		mg/L	1	10/08/07 20:53	
Naphthalene	A	ND	0.00071	0.010		mg/L	1	10/08/07 20:53	
Nitrobenzene	A	ND	0.0010	0.010		mg/L	1	10/08/07 20:53	
Pentachlorophenol	A	ND	0.0013	0.051		mg/L	1	10/08/07 20:53	
Phenanthrene	A	ND	0.00081	0.010		mg/L	1	10/08/07 20:53	
Phenol	A	ND	0.00040	0.010		mg/L	1	10/08/07 20:53	

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWC-30	**Work Order / ID:**	ME0710178-04
Sample Description:		**Collection Date:**	10/02/07 12:20
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMIVOLATILE ORGANICS	Method: **SW8270C**				Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**	
Pyrene	A	ND	0.00091	0.010		mg/L	1	10/08/07 20:53
2,4,5-Trichlorophenol	A	ND	0.0015	0.010		mg/L	1	10/08/07 20:53
2,4,6-Trichlorophenol	A	ND	0.00091	0.010		mg/L	1	10/08/07 20:53
Surr: Nitrobenzene-d5	S	59.3	0	10-121		%REC	1	10/08/07 20:53
Surr: 2-Fluorobiphenyl	S	61.1	0	10-109		%REC	1	10/08/07 20:53
Surr: Terphenyl-d14	S	76.6	0	10-130		%REC	1	10/08/07 20:53
Surr: Phenol-d5	S	24.4	0	10-100		%REC	1	10/08/07 20:53
Surr: 2-Fluorophenol	S	39.5	0	10-84.7		%REC	1	10/08/07 20:53
Surr: 2,4,6-Tribromophenol	S	71.9	0	10-120		%REC	1	10/08/07 20:53
VOC'S	Method: **SW8260B**				Prep Date/Time:		Analyst: **NLT**	
Acetone	A	ND	0.0020	0.0050	UJ	mg/L	1	10/10/07 09:59
Benzene	A	ND	0.00030	0.0010		mg/L	1	10/10/07 09:59
Bromodichloromethane	A	ND	0.00050	0.0010		mg/L	1	10/10/07 09:59
Bromoform	A	ND	0.00040	0.0010		mg/L	1	10/10/07 09:59
Bromomethane	A	ND	0.00060	0.0020		mg/L	1	10/10/07 09:59
2-Butanone	A	ND	0.0015	0.0020	UJ	mg/L	1	10/10/07 09:59
Carbon Disulfide	A	ND	0.00040	0.0020		mg/L	1	10/10/07 09:59
Carbon tetrachloride	A	ND	0.00030	0.0010		mg/L	1	10/10/07 09:59
Chlorobenzene	A	ND	0.00020	0.0010		mg/L	1	10/10/07 09:59
Chloroethane	A	ND	0.00080	0.0020		mg/L	1	10/10/07 09:59
Chloroform	A	ND	0.00070	0.0010		mg/L	1	10/10/07 09:59
Chloromethane	A	ND	0.00030	0.0020		mg/L	1	10/10/07 09:59
Dibromochloromethane	A	ND	0.00060	0.0010		mg/L	1	10/10/07 09:59
1,1-Dichloroethane	A	ND	0.00030	0.0010		mg/L	1	10/10/07 09:59
1,2-Dichloroethane	A	ND	0.00040	0.0010		mg/L	1	10/10/07 09:59
1,1-Dichloroethene	A	ND	0.00040	0.0010		mg/L	1	10/10/07 09:59
cis-1,2-Dichloroethene	A	ND	0.00040	0.0010		mg/L	1	10/10/07 09:59
trans-1,2-Dichloroethene	A	ND	0.00040	0.0010		mg/L	1	10/10/07 09:59
1,2-Dichloropropane	A	ND	0.00030	0.0010		mg/L	1	10/10/07 09:59
trans-1,3-Dichloropropene	A	ND	0.00060	0.0010		mg/L	1	10/10/07 09:59
cis-1,3-Dichloropropene	A	ND	0.00030	0.0010		mg/L	1	10/10/07 09:59
Ethylbenzene	A	ND	0.00020	0.0010		mg/L	1	10/10/07 09:59
2-Hexanone	A	ND	0.0011	0.0020		mg/L	1	10/10/07 09:59
4-Methyl-2-Pentanone	A	ND	0.00080	0.0010		mg/L	1	10/10/07 09:59
Methylene chloride	A	ND	0.00070	0.0020		mg/L	1	10/10/07 09:59
Styrene	A	ND	0.00020	0.0010		mg/L	1	10/10/07 09:59
1,1,2,2-Tetrachloroethane	A	ND	0.00070	0.0010		mg/L	1	10/10/07 09:59

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWC-30	**Work Order / ID:**	ME0710178-04
Sample Description:		**Collection Date:**	10/02/07 12:20
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Tetrachloroethene	A	*ND*	0.00040	0.0010		mg/L	1	10/10/07 09:59
Toluene	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 09:59
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 09:59
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0010		mg/L	1	10/10/07 09:59
Trichloroethene	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 09:59
Vinyl chloride	A	*ND*	0.00040	0.0020		mg/L	1	10/10/07 09:59
Total Xylenes	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 09:59
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0010	UJ	mg/L	1	10/10/07 09:59
1,2-Dichlorobenzene	A	*ND*	0.00020	0.0010		mg/L	1	10/10/07 09:59
1,3-Dichlorobenzene	A	*ND*	0.00020	0.0010		mg/L	1	10/10/07 09:59
1,4-Dichlorobenzene	A	*ND*	0.00020	0.0010		mg/L	1	10/10/07 09:59
Surr: 4-Bromofluorobenzene	S	87.8	0	74.3-123		%REC	1	10/10/07 09:59
Surr: Dibromofluoromethane	S	104	0	84.9-118		%REC	1	10/10/07 09:59
Surr: 1,2-Dichloroethane-d4	S	106	0	77.9-126		%REC	1	10/10/07 09:59
Surr: Toluene-d8	S	98.1	0	80.8-118		%REC	1	10/10/07 09:59
TOTAL CYANIDE	Method: **SW-9012B**			Prep Date/Time: **10/08/07 07:45**				Analyst: **RPL**
Cyanide, Total	A	*ND*	0.0020	0.0050		mg/L	1	10/08/07 14:21

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWT-30	**Work Order / ID:**	ME0710178-05
Sample Description:		**Collection Date:**	10/02/07 14:35
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
PESTICIDES/PCBS	Method: **SW8081A/8082**			Prep Date/Time: **10/06/07 13:15**		Analyst: **ALS**		
4,4´-DDD	A	ND	0.000036	0.0011		mg/L	1	10/09/07 02:39
4,4´-DDE	A	ND	0.000017	0.0011		mg/L	1	10/09/07 02:39
4,4´-DDT	A	ND	0.000017	0.0011		mg/L	1	10/09/07 02:39
Aldrin	A	ND	0.000017	0.000053	UJ	mg/L	1	10/09/07 02:39
Alpha-BHC	A	ND	0.000012	0.000053	UJ	mg/L	1	10/09/07 02:39
alpha-Chlordane	A	ND	0.000026	0.011		mg/L	1	10/09/07 02:39
Beta-BHC	A	ND	0.0000011	0.00021		mg/L	1	10/09/07 02:39
delta-BHC	A	ND	0.000017	0.0011	UJ	mg/L	1	10/09/07 02:39
Dieldrin	A	ND	0.000012	0.000053	UJ	mg/L	1	10/09/07 02:39
Endosulfan I	A	ND	0.000015	0.0011		mg/L	1	10/09/07 02:39
Endosulfan II	A	ND	0.000015	0.0011		mg/L	1	10/09/07 02:39
Endosulfan Sulfate	A	ND	0.000017	0.0011		mg/L	1	10/09/07 02:39
Endrin	A	ND	0.000015	0.0011	UJ	mg/L	1	10/09/07 02:39
Endrin Aldehyde	A	ND	0.0000011	0.0011		mg/L	1	10/09/07 02:39
Endrin Ketone	A	ND	0.000029	0.0011		mg/L	1	10/09/07 02:39
Gamma-BHC	A	ND	0.000012	0.00011	UJ	mg/L	1	10/09/07 02:39
gamma-Chlordane	A	ND	0.000012	0.011		mg/L	1	10/09/07 02:39
Heptachlor	A	ND	0.000015	0.00021	UJ	mg/L	1	10/09/07 02:39
Heptachlor Epoxide	A	ND	0.000017	0.00011		mg/L	1	10/09/07 02:39
Methoxychlor	A	ND	0.00020	0.0011	UJ	mg/L	1	10/09/07 02:39
Toxaphene	A	ND	0.00069	0.0021		mg/L	1	10/09/07 02:39
Aroclor 1016	A	ND	0.00012	0.00053		mg/L	1	10/09/07 02:39
Aroclor 1221	A	ND	0.00053	0.00053		mg/L	1	10/09/07 02:39
Aroclor 1232	A	ND	0.00053	0.00053		mg/L	1	10/09/07 02:39
Aroclor 1242	A	ND	0.00010	0.00053		mg/L	1	10/09/07 02:39
Aroclor 1248	A	ND	0.00015	0.00053		mg/L	1	10/09/07 02:39
Aroclor 1254	A	ND	0.00018	0.00053		mg/L	1	10/09/07 02:39
Aroclor 1260	A	ND	0.00012	0.00053		mg/L	1	10/09/07 02:39
Surr: Tetrachloro-m-xylene	S	75.0	0	7.58-153		%REC	1	10/09/07 02:39
Surr: Decachlorobiphenyl	S	90.0	0	15.4-169		%REC	1	10/09/07 02:39
TOTAL METALS	Method: **SW6020A**			Prep Date/Time: **10/04/07 08:35**		Analyst: **SAA**		
Aluminum	A	ND	0.0043	0.20		mg/L	5	10/04/07 18:43
Antimony	A	*0.000051*	0.000038	0.0060	Jb	mg/L	5	10/04/07 18:43
Arsenic	A	*0.00081*	0.00031	0.010	J	mg/L	5	10/04/07 18:43
Barium	A	*0.14*	0.000058	0.0020		mg/L	5	10/04/07 18:43
Beryllium	A	ND	0.00096	0.0010		mg/L	5	10/05/07 15:12
Cadmium	A	ND	0.0000044	0.0020		mg/L	5	10/04/07 18:43

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MW20309

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-PWT-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710178-05
Collection Date: 10/02/07 14:35
Date Received: 10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
TOTAL METALS	Method: **SW6020A**				Prep Date/Time: **10/04/07 08:35**		Analyst: **SAA**		
Calcium	A	*91*	0.018	0.50		mg/L	5	10/04/07 18:43	B
Chromium	A	*0.0013*	0.00083	0.0030	J	mg/L	5	10/04/07 18:43	
Cobalt	A	*0.00021*	0.0000019	0.0030	J	mg/L	5	10/04/07 18:43	B
Copper	A	*0.00065*	0.000088	0.010	J	mg/L	5	10/04/07 18:43	
Iron	A	*2.7*	0.021	0.050		mg/L	5	10/04/07 18:43	
Lead	A	*ND*	0.00012	0.0075		mg/L	5	10/04/07 18:43	
Magnesium	A	*51*	0.0017	0.50		mg/L	5	10/04/07 18:43	
Manganese	A	*0.033*	0.000074	0.0020		mg/L	5	10/04/07 18:43	B
Nickel	A	*0.0047*	0.000031	0.010	J	mg/L	5	10/04/07 18:43	
Potassium	A	*2.4*	0.0040	0.50		mg/L	5	10/04/07 18:43	
Selenium	A	*ND*	0.000043	0.0050		mg/L	5	10/04/07 18:43	
Silver	A	*ND*	0.0000025	0.010		mg/L	5	10/04/07 18:43	
Sodium	A	*21*	0.0045	0.50		mg/L	5	10/04/07 18:43	
Thallium	A	*0.00016*	0.0000065	0.0020	Jb	mg/L	5	10/04/07 18:43	uB
Vanadium	A	*ND*	0.0011	0.0080		mg/L	5	10/04/07 18:43	
Zinc	A	*0.013*	0.0038	0.020	J	mg/L	5	10/04/07 18:43	
TOTAL METALS	Method: **SW7470A**				Prep Date/Time: **10/06/07 10:35**		Analyst: **AVC**		
Mercury	A	*ND*	0.000030	0.00020		mg/L	1	10/08/07 14:16	
SEMIVOLATILE ORGANICS	Method: **SW8270C**				Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**		
4-Bromophenyl phenyl ether	A	*ND*	0.00092	0.010		mg/L	1	10/08/07 21:18	
Bis(2-ethylhexyl)phthalate	A	*ND*	0.0011	0.010		mg/L	1	10/08/07 21:18	
Acenaphthene	A	*ND*	0.00082	0.010		mg/L	1	10/08/07 21:18	
Acenaphthylene	A	*ND*	0.00071	0.010		mg/L	1	10/08/07 21:18	
Anthracene	A	*ND*	0.00092	0.010		mg/L	1	10/08/07 21:18	
Benzo[a]anthracene	A	*ND*	0.00082	0.010		mg/L	1	10/08/07 21:18	
Benzo[a]pyrene	A	*ND*	0.00092	0.010		mg/L	1	10/08/07 21:18	
Benzo[b]fluoranthene	A	*ND*	0.0016	0.010		mg/L	1	10/08/07 21:18	
Benzo[g,h,i]perylene	A	*ND*	0.0010	0.010		mg/L	1	10/08/07 21:18	
Benzo[k]fluoranthene	A	*ND*	0.0022	0.010		mg/L	1	10/08/07 21:18	
Bis(2-chloroethoxy)methane	A	*ND*	0.0010	0.010		mg/L	1	10/08/07 21:18	
Bis(2-chloroethyl)ether	A	*ND*	0.00092	0.010		mg/L	1	10/08/07 21:18	
Bis(2-chloroisopropyl)ether	A	*ND*	0.00092	0.010		mg/L	1	10/08/07 21:18	
Butyl benzyl phthalate	A	*ND*	0.0010	0.010		mg/L	1	10/08/07 21:18	
Carbazole	A	*ND*	0.0012	0.010		mg/L	1	10/08/07 21:18	
4-Chloro-3-methylphenol	A	*ND*	0.0012	0.020		mg/L	1	10/08/07 21:18	
4-Chloroaniline	A	*ND*	0.0010	0.020		mg/L	1	10/08/07 21:18	
2-Chloronaphthalene	A	*ND*	0.00092	0.010		mg/L	1	10/08/07 21:18	

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWT-30	**Work Order / ID:**	ME0710178-05
Sample Description:		**Collection Date:**	10/02/07 14:35
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

SEMIVOLATILE ORGANICS Method: **SW8270C** Prep Date/Time: **10/06/07 08:30** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
2-Chlorophenol	A	ND	0.00071	0.010		mg/L	1	10/08/07 21:18
4-Chlorophenyl phenyl ether	A	ND	0.00092	0.010		mg/L	1	10/08/07 21:18
Chrysene	A	ND	0.0010	0.010		mg/L	1	10/08/07 21:18
Dibenz[a,h]anthracene	A	ND	0.00092	0.010		mg/L	1	10/08/07 21:18
Dibenzofuran	A	ND	0.00082	0.010		mg/L	1	10/08/07 21:18
3,3´-Dichlorobenzidine	A	ND	0.00071	0.051		mg/L	1	10/08/07 21:18
2,4-Dichlorophenol	A	ND	0.00071	0.010		mg/L	1	10/08/07 21:18
Diethyl phthalate	A	ND	0.0011	0.010		mg/L	1	10/08/07 21:18
Dimethyl phthalate	A	ND	0.00092	0.010		mg/L	1	10/08/07 21:18
2,4-Dimethylphenol	A	ND	0.00082	0.010		mg/L	1	10/08/07 21:18
Di-n-butyl phthalate	A	ND	0.0012	0.010		mg/L	1	10/08/07 21:18
Di-n-octyl phthalate	A	ND	0.0011	0.010		mg/L	1	10/08/07 21:18
4,6-Dinitro-2-methylphenol	A	ND	0.0011	0.051		mg/L	1	10/08/07 21:18
2,4-Dinitrophenol	A	ND	0.0096	0.051		mg/L	1	10/08/07 21:18
2,4-Dinitrotoluene	A	ND	0.00082	0.010		mg/L	1	10/08/07 21:18
2,6-Dinitrotoluene	A	ND	0.0011	0.010		mg/L	1	10/08/07 21:18
Fluoranthene	A	ND	0.0010	0.010		mg/L	1	10/08/07 21:18
Fluorene	A	ND	0.0010	0.010		mg/L	1	10/08/07 21:18
Hexachlorobenzene	A	ND	0.00092	0.010		mg/L	1	10/08/07 21:18
Hexachlorobutadiene	A	ND	0.00092	0.010		mg/L	1	10/08/07 21:18
Hexachlorocyclopentadiene	A	ND	0.00061	0.010	UJ	mg/L	1	10/08/07 21:18
Hexachloroethane	A	ND	0.00092	0.010		mg/L	1	10/08/07 21:18
Indeno[1,2,3cd]pyrene	A	ND	0.0010	0.010		mg/L	1	10/08/07 21:18
Isophorone	A	ND	0.0010	0.010		mg/L	1	10/08/07 21:18
2-Methylnaphthalene	A	ND	0.00092	0.010		mg/L	1	10/08/07 21:18
2-Methylphenol	A	ND	0.00071	0.010		mg/L	1	10/08/07 21:18
3/4-Methylphenol	A	ND	0.00082	0.010		mg/L	1	10/08/07 21:18
2-Nitroaniline	A	ND	0.0010	0.051		mg/L	1	10/08/07 21:18
3-Nitroaniline	A	ND	0.0013	0.051		mg/L	1	10/08/07 21:18
4-Nitroaniline	A	ND	0.0017	0.051		mg/L	1	10/08/07 21:18
2-Nitrophenol	A	ND	0.0010	0.010		mg/L	1	10/08/07 21:18
4-Nitrophenol	A	ND	0.0044	0.051		mg/L	1	10/08/07 21:18
N-Nitrosodi-n-propylamine	A	ND	0.0010	0.010		mg/L	1	10/08/07 21:18
N-Nitrosodiphenylamine	A	ND	0.00071	0.010		mg/L	1	10/08/07 21:18
Naphthalene	A	ND	0.00071	0.010		mg/L	1	10/08/07 21:18
Nitrobenzene	A	ND	0.0010	0.010		mg/L	1	10/08/07 21:18
Pentachlorophenol	A	ND	0.0013	0.051		mg/L	1	10/08/07 21:18
Phenanthrene	A	ND	0.00082	0.010		mg/L	1	10/08/07 21:18
Phenol	A	ND	0.00041	0.010		mg/L	1	10/08/07 21:18

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-PWT-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710178-05
Collection Date: 10/02/07 14:35
Date Received: 10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMIVOLATILE ORGANICS	Method: **SW8270C**				Prep Date/Time: **10/06/07 08:30**	Analyst: **BEM**		
Pyrene	A	ND	0.00092	0.010		mg/L	1	10/08/07 21:18
2,4,5-Trichlorophenol	A	ND	0.0015	0.010		mg/L	1	10/08/07 21:18
2,4,6-Trichlorophenol	A	ND	0.00092	0.010		mg/L	1	10/08/07 21:18
Surr: Nitrobenzene-d5	S	37.9	0	10-121		%REC	1	10/08/07 21:18
Surr: 2-Fluorobiphenyl	S	36.4	0	10-109		%REC	1	10/08/07 21:18
Surr: Terphenyl-d14	S	54.6	0	10-130		%REC	1	10/08/07 21:18
Surr: Phenol-d5	S	15.9	0	10-100		%REC	1	10/08/07 21:18
Surr: 2-Fluorophenol	S	25.7	0	10-84.7		%REC	1	10/08/07 21:18
Surr: 2,4,6-Tribromophenol	S	42.0	0	10-120		%REC	1	10/08/07 21:18

VOC'S	Method: **SW8260B**				Prep Date/Time:		Analyst: **NLT**	
Acetone	A	ND	0.0020	0.0050	UJ	mg/L	1	10/10/07 07:51
Benzene	A	ND	0.00030	0.0010		mg/L	1	10/10/07 07:51
Bromodichloromethane	A	ND	0.00050	0.0010		mg/L	1	10/10/07 07:51
Bromoform	A	ND	0.00040	0.0010		mg/L	1	10/10/07 07:51
Bromomethane	A	ND	0.00060	0.0020	UJ	mg/L	1	10/10/07 07:51
2-Butanone	A	ND	0.0015	0.0020	UJ	mg/L	1	10/10/07 07:51
Carbon Disulfide	A	ND	0.00040	0.0020		mg/L	1	10/10/07 07:51
Carbon tetrachloride	A	ND	0.00030	0.0010		mg/L	1	10/10/07 07:51
Chlorobenzene	A	ND	0.00020	0.0010		mg/L	1	10/10/07 07:51
Chloroethane	A	ND	0.00080	0.0020		mg/L	1	10/10/07 07:51
Chloroform	A	ND	0.00070	0.0010		mg/L	1	10/10/07 07:51
Chloromethane	A	ND	0.00030	0.0020		mg/L	1	10/10/07 07:51
Dibromochloromethane	A	ND	0.00060	0.0010		mg/L	1	10/10/07 07:51
1,1-Dichloroethane	A	ND	0.00030	0.0010		mg/L	1	10/10/07 07:51
1,2-Dichloroethane	A	ND	0.00040	0.0010		mg/L	1	10/10/07 07:51
1,1-Dichloroethene	A	ND	0.00040	0.0010		mg/L	1	10/10/07 07:51
cis-1,2-Dichloroethene	A	ND	0.00040	0.0010		mg/L	1	10/10/07 07:51
trans-1,2-Dichloroethene	A	ND	0.00040	0.0010		mg/L	1	10/10/07 07:51
1,2-Dichloropropane	A	ND	0.00030	0.0010		mg/L	1	10/10/07 07:51
trans-1,3-Dichloropropene	A	ND	0.00060	0.0010		mg/L	1	10/10/07 07:51
cis-1,3-Dichloropropene	A	ND	0.00030	0.0010		mg/L	1	10/10/07 07:51
Ethylbenzene	A	ND	0.00020	0.0010		mg/L	1	10/10/07 07:51
2-Hexanone	A	ND	0.0011	0.0020		mg/L	1	10/10/07 07:51
4-Methyl-2-Pentanone	A	ND	0.00080	0.0010		mg/L	1	10/10/07 07:51
Methylene chloride	A	ND	0.00070	0.0020		mg/L	1	10/10/07 07:51
Styrene	A	ND	0.00020	0.0010		mg/L	1	10/10/07 07:51
1,1,2,2-Tetrachloroethane	A	ND	0.00070	0.0010		mg/L	1	10/10/07 07:51

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWT-30	**Work Order / ID:**	ME0710178-05
Sample Description:		**Collection Date:**	10/02/07 14:35
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
Tetrachloroethene	A	*ND*	0.00040	0.0010		mg/L	1	10/10/07 07:51
Toluene	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 07:51
1,1,1-Trichloroethane	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 07:51
1,1,2-Trichloroethane	A	*ND*	0.00070	0.0010		mg/L	1	10/10/07 07:51
Trichloroethene	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 07:51
Vinyl chloride	A	*ND*	0.00040	0.0020		mg/L	1	10/10/07 07:51
Total Xylenes	A	*ND*	0.00030	0.0010		mg/L	1	10/10/07 07:51
1,2,4-Trichlorobenzene	A	*ND*	0.00030	0.0010	UJ	mg/L	1	10/10/07 07:51
1,2-Dichlorobenzene	A	*ND*	0.00020	0.0010		mg/L	1	10/10/07 07:51
1,3-Dichlorobenzene	A	*ND*	0.00020	0.0010		mg/L	1	10/10/07 07:51
1,4-Dichlorobenzene	A	*ND*	0.00020	0.0010		mg/L	1	10/10/07 07:51
Surr: 4-Bromofluorobenzene	S	86.4	0	74.3-123		%REC	1	10/10/07 07:51
Surr: Dibromofluoromethane	S	102	0	84.9-118		%REC	1	10/10/07 07:51
Surr: 1,2-Dichloroethane-d4	S	99.8	0	77.9-126		%REC	1	10/10/07 07:51
Surr: Toluene-d8	S	101	0	80.8-118		%REC	1	10/10/07 07:51
TOTAL CYANIDE	Method: **SW-9012B**			Prep Date/Time: **10/08/07 07:45**				Analyst: **RPL**
Cyanide, Total	A	*ND*	0.0020	0.0050		mg/L	1	10/08/07 14:25

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-PWD-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710178-06
Collection Date: 10/02/07 16:45
Date Received: 10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
PESTICIDES/PCBS	Method: **SW8081A/8082**			Prep Date/Time: **10/06/07 13:15**		Analyst: **ALS**		
4,4´-DDD	A	***ND***	0.000034	0.0010		mg/L	1	10/09/07 04:02
4,4´-DDE	A	***ND***	0.000016	0.0010		mg/L	1	10/09/07 04:02
4,4´-DDT	A	***ND***	0.000016	0.0010		mg/L	1	10/09/07 04:02
Aldrin	A	***ND***	0.000016	0.000051	UJ	mg/L	1	10/09/07 04:02
Alpha-BHC	A	***ND***	0.000011	0.000051	UJ	mg/L	1	10/09/07 04:02
alpha-Chlordane	A	***ND***	0.000025	0.010		mg/L	1	10/09/07 04:02
Beta-BHC	A	***ND***	0.0000010	0.00020		mg/L	1	10/09/07 04:02
delta-BHC	A	***ND***	0.000016	0.0010	UJ	mg/L	1	10/09/07 04:02
Dieldrin	A	***ND***	0.000011	0.000051	UJ	mg/L	1	10/09/07 04:02
Endosulfan I	A	***ND***	0.000014	0.0010		mg/L	1	10/09/07 04:02
Endosulfan II	A	***ND***	0.000014	0.0010		mg/L	1	10/09/07 04:02
Endosulfan Sulfate	A	***ND***	0.000016	0.0010		mg/L	1	10/09/07 04:02
Endrin	A	***ND***	0.000014	0.0010	UJ	mg/L	1	10/09/07 04:02
Endrin Aldehyde	A	***ND***	0.0000010	0.0010		mg/L	1	10/09/07 04:02
Endrin Ketone	A	***ND***	0.000028	0.0010		mg/L	1	10/09/07 04:02
Gamma-BHC	A	***ND***	0.000011	0.00010	UJ	mg/L	1	10/09/07 04:02
gamma-Chlordane	A	***ND***	0.000011	0.010		mg/L	1	10/09/07 04:02
Heptachlor	A	***ND***	0.000014	0.00020	UJ	mg/L	1	10/09/07 04:02
Heptachlor Epoxide	A	***ND***	0.000016	0.00010		mg/L	1	10/09/07 04:02
Methoxychlor	A	***ND***	0.00019	0.0010	UJ	mg/L	1	10/09/07 04:02
Toxaphene	A	***ND***	0.00067	0.0020		mg/L	1	10/09/07 04:02
Aroclor 1016	A	***ND***	0.00011	0.00051		mg/L	1	10/09/07 04:02
Aroclor 1221	A	***ND***	0.00051	0.00051		mg/L	1	10/09/07 04:02
Aroclor 1232	A	***ND***	0.00051	0.00051		mg/L	1	10/09/07 04:02
Aroclor 1242	A	***ND***	0.000099	0.00051		mg/L	1	10/09/07 04:02
Aroclor 1248	A	***ND***	0.00014	0.00051		mg/L	1	10/09/07 04:02
Aroclor 1254	A	***ND***	0.00017	0.00051		mg/L	1	10/09/07 04:02
Aroclor 1260	A	***ND***	0.00011	0.00051		mg/L	1	10/09/07 04:02
Surr: Tetrachloro-m-xylene	S	80.0	0	7.58-153		%REC	1	10/09/07 04:02
Surr: Decachlorobiphenyl	S	85.0	0	15.4-169		%REC	1	10/09/07 04:02

TOTAL METALS	Method: **SW6020A**			Prep Date/Time: **10/04/07 08:35**		Analyst: **SAA**		
Aluminum	A	***ND***	0.0043	0.20		mg/L	5	10/04/07 19:02
Antimony	A	***0.00052***	0.000038	0.0060	Jb	mg/L	5	10/04/07 19:02 uB
Arsenic	A	***0.0011***	0.00031	0.010	J	mg/L	5	10/04/07 19:02
Barium	A	***0.13***	0.000058	0.0020		mg/L	5	10/04/07 19:02 B
Beryllium	A	***ND***	0.00096	0.0010		mg/L	5	10/05/07 15:31
Cadmium	A	***ND***	0.0000044	0.0020		mg/L	5	10/04/07 19:02

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWD-30	**Work Order / ID:**	ME0710178-06
Sample Description:		**Collection Date:**	10/02/07 16:45
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed	
TOTAL METALS	Method: **SW6020A**			Prep Date/Time: **10/04/07 08:35**		Analyst: **SAA**			
Calcium	A	*85*	0.018	0.50		mg/L	5	10/04/07 19:02	B
Chromium	A	*0.0018*	0.00083	0.0030	J	mg/L	5	10/04/07 19:02	
Cobalt	A	*0.00018*	0.0000019	0.0030	J	mg/L	5	10/04/07 19:02	B
Copper	A	*0.0023*	0.000088	0.010	J	mg/L	5	10/04/07 19:02	
Iron	A	*2.5*	0.021	0.050		mg/L	5	10/04/07 19:02	
Lead	A	*0.00034*	0.00012	0.0075	J	mg/L	5	10/04/07 19:02	
Magnesium	A	*46*	0.0017	0.50		mg/L	5	10/04/07 19:02	
Manganese	A	*0.025*	0.000074	0.0020		mg/L	5	10/04/07 19:02	B
Mercury	A	*0.00019*	0.000026	0.00020	Jb	mg/L	5	10/04/07 19:02	
Nickel	A	*0.0009*	0.000031	0.010	J	mg/L	5	10/04/07 19:02	
Potassium	A	*2.2*	0.0040	0.50		mg/L	5	10/04/07 19:02	
Selenium	A	*0.0014*	0.000043	0.0050	Jb	mg/L	5	10/04/07 19:02	UB
Silver	A	*0.0000034*	0.0000025	0.010	J	mg/L	5	10/04/07 19:02	UB
Sodium	A	*21*	0.0045	0.50		mg/L	5	10/04/07 19:02	
Thallium	A	*0.0030*	0.0000065	0.0020	b	mg/L	5	10/04/07 19:02	UB
Vanadium	A	*ND*	0.0011	0.0080		mg/L	5	10/04/07 19:02	
Zinc	A	*0.014*	0.0038	0.020	J	mg/L	5	10/04/07 19:02	
TOTAL METALS	Method: **SW7470A**			Prep Date/Time: **10/06/07 10:35**		Analyst: **AVC**			
Mercury	A	*ND*	0.000030	0.00020		mg/L	1	10/08/07 14:20	
SEMIVOLATILE ORGANICS	Method: **SW8270C**			Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**			
4-Bromophenyl phenyl ether	A	*ND*	0.00094	0.010		mg/L	1	10/08/07 21:42	
Bis(2-ethylhexyl)phthalate	A	*ND*	0.0011	0.010		mg/L	1	10/08/07 21:42	
Acenaphthene	A	*ND*	0.00083	0.010		mg/L	1	10/08/07 21:42	
Acenaphthylene	A	*ND*	0.00073	0.010		mg/L	1	10/08/07 21:42	
Anthracene	A	*ND*	0.00094	0.010		mg/L	1	10/08/07 21:42	
Benzo[a]anthracene	A	*ND*	0.00083	0.010		mg/L	1	10/08/07 21:42	
Benzo[a]pyrene	A	*ND*	0.00094	0.010		mg/L	1	10/08/07 21:42	
Benzo[b]fluoranthene	A	*ND*	0.0017	0.010		mg/L	1	10/08/07 21:42	
Benzo[g,h,i]perylene	A	*0.0012*	0.0010	0.010	Jb	mg/L	1	10/08/07 21:42	0.010UB
Benzo[k]fluoranthene	A	*ND*	0.0023	0.010		mg/L	1	10/08/07 21:42	
Bis(2-chloroethoxy)methane	A	*ND*	0.0010	0.010		mg/L	1	10/08/07 21:42	
Bis(2-chloroethyl)ether	A	*ND*	0.00094	0.010		mg/L	1	10/08/07 21:42	
Bis(2-chloroisopropyl)ether	A	*ND*	0.00094	0.010		mg/L	1	10/08/07 21:42	
Butyl benzyl phthalate	A	*ND*	0.0010	0.010		mg/L	1	10/08/07 21:42	
Carbazole	A	*ND*	0.0012	0.010		mg/L	1	10/08/07 21:42	
4-Chloro-3-methylphenol	A	*ND*	0.0012	0.021		mg/L	1	10/08/07 21:42	
4-Chloroaniline	A	*ND*	0.0010	0.021		mg/L	1	10/08/07 21:42	

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWD-30	**Work Order / ID:**	ME0710178-06
Sample Description:		**Collection Date:**	10/02/07 16:45
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

SEMIVOLATILE ORGANICS Method: **SW8270C** Prep Date/Time: **10/06/07 08:30** Analyst: **BEM**

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
2-Chloronaphthalene	A	ND	0.00094	0.010		mg/L	1	10/08/07 21:42
2-Chlorophenol	A	ND	0.00073	0.010		mg/L	1	10/08/07 21:42
4-Chlorophenyl phenyl ether	A	ND	0.00094	0.010		mg/L	1	10/08/07 21:42
Chrysene	A	ND	0.0010	0.010		mg/L	1	10/08/07 21:42
Dibenz[a,h]anthracene	A	0.0012	0.00094	0.010	Jb	mg/L	1	10/08/07 21:42
Dibenzofuran	A	ND	0.00083	0.010		mg/L	1	10/08/07 21:42
3,3´-Dichlorobenzidine	A	ND	0.00073	0.052		mg/L	1	10/08/07 21:42
2,4-Dichlorophenol	A	ND	0.00073	0.010		mg/L	1	10/08/07 21:42
Diethyl phthalate	A	ND	0.0011	0.010		mg/L	1	10/08/07 21:42
Dimethyl phthalate	A	ND	0.00094	0.010		mg/L	1	10/08/07 21:42
2,4-Dimethylphenol	A	ND	0.00083	0.010		mg/L	1	10/08/07 21:42
Di-n-butyl phthalate	A	ND	0.0012	0.010		mg/L	1	10/08/07 21:42
Di-n-octyl phthalate	A	ND	0.0011	0.010		mg/L	1	10/08/07 21:42
4,6-Dinitro-2-methylphenol	A	ND	0.0011	0.052		mg/L	1	10/08/07 21:42
2,4-Dinitrophenol	A	ND	0.0098	0.052		mg/L	1	10/08/07 21:42
2,4-Dinitrotoluene	A	ND	0.00083	0.010		mg/L	1	10/08/07 21:42
2,6-Dinitrotoluene	A	ND	0.0011	0.010		mg/L	1	10/08/07 21:42
Fluoranthene	A	ND	0.0010	0.010		mg/L	1	10/08/07 21:42
Fluorene	A	ND	0.0010	0.010		mg/L	1	10/08/07 21:42
Hexachlorobenzene	A	ND	0.00094	0.010		mg/L	1	10/08/07 21:42
Hexachlorobutadiene	A	ND	0.00094	0.010		mg/L	1	10/08/07 21:42
Hexachlorocyclopentadiene	A	ND	0.00062	0.010	UJ	mg/L	1	10/08/07 21:42
Hexachloroethane	A	ND	0.00094	0.010		mg/L	1	10/08/07 21:42
Indeno[1,2,3cd]pyrene	A	ND	0.0010	0.010		mg/L	1	10/08/07 21:42
Isophorone	A	ND	0.0010	0.010		mg/L	1	10/08/07 21:42
2-Methylnaphthalene	A	ND	0.00094	0.010		mg/L	1	10/08/07 21:42
2-Methylphenol	A	ND	0.00073	0.010		mg/L	1	10/08/07 21:42
3/4-Methylphenol	A	ND	0.00083	0.010		mg/L	1	10/08/07 21:42
2-Nitroaniline	A	ND	0.0010	0.052		mg/L	1	10/08/07 21:42
3-Nitroaniline	A	ND	0.0014	0.052		mg/L	1	10/08/07 21:42
4-Nitroaniline	A	ND	0.0018	0.052		mg/L	1	10/08/07 21:42
2-Nitrophenol	A	ND	0.0010	0.010		mg/L	1	10/08/07 21:42
4-Nitrophenol	A	ND	0.0045	0.052		mg/L	1	10/08/07 21:42
N-Nitrosodi-n-propylamine	A	ND	0.0010	0.010		mg/L	1	10/08/07 21:42
N-Nitrosodiphenylamine	A	ND	0.00073	0.010		mg/L	1	10/08/07 21:42
Naphthalene	A	ND	0.00073	0.010		mg/L	1	10/08/07 21:42
Nitrobenzene	A	ND	0.0010	0.010		mg/L	1	10/08/07 21:42
Pentachlorophenol	A	ND	0.0014	0.052		mg/L	1	10/08/07 21:42
Phenanthrene	A	ND	0.00083	0.010		mg/L	1	10/08/07 21:42

0.0012B

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10/11/07

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client:	MWH, Inc.		
Client Project:	GW - SemiAnnual / ACS		
Client Sample ID:	ACS-GW-PWD-30	**Work Order / ID:**	ME0710178-06
Sample Description:		**Collection Date:**	10/02/07 16:45
Sample Matrix:	Aqueous	**Date Received:**	10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
SEMIVOLATILE ORGANICS	Method: **SW8270C**				Prep Date/Time: **10/06/07 08:30**		Analyst: **BEM**	
Phenol	A	ND	0.00042	0.010		mg/L	1	10/08/07 21:42
Pyrene	A	ND	0.00094	0.010		mg/L	1	10/08/07 21:42
2,4,5-Trichlorophenol	A	ND	0.0016	0.010		mg/L	1	10/08/07 21:42
2,4,6-Trichlorophenol	A	ND	0.00094	0.010		mg/L	1	10/08/07 21:42
Surr: Nitrobenzene-d5	S	60.9	0	10-121		%REC	1	10/08/07 21:42
Surr: 2-Fluorobiphenyl	S	62.9	0	10-109		%REC	1	10/08/07 21:42
Surr: Terphenyl-d14	S	82.0	0	10-130		%REC	1	10/08/07 21:42
Surr: Phenol-d5	S	27.2	0	10-100		%REC	1	10/08/07 21:42
Surr: 2-Fluorophenol	S	40.0	0	10-84.7		%REC	1	10/08/07 21:42
Surr: 2,4,6-Tribromophenol	S	77.6	0	10-120		%REC	1	10/08/07 21:42

VOC'S	Method: **SW8260B**				Prep Date/Time:		Analyst: **NLT**	
Acetone	A	ND	0.0020	0.0050	UJ	mg/L	1	10/10/07 10:31
Benzene	A	ND	0.00030	0.0010		mg/L	1	10/10/07 10:31
Bromodichloromethane	A	ND	0.00050	0.0010		mg/L	1	10/10/07 10:31
Bromoform	A	ND	0.00040	0.0010		mg/L	1	10/10/07 10:31
Bromomethane	A	ND	0.00060	0.0020		mg/L	1	10/10/07 10:31
2-Butanone	A	ND	0.0015	0.0020	UJ	mg/L	1	10/10/07 10:31
Carbon Disulfide	A	ND	0.00040	0.0020		mg/L	1	10/10/07 10:31
Carbon tetrachloride	A	ND	0.00030	0.0010		mg/L	1	10/10/07 10:31
Chlorobenzene	A	ND	0.00020	0.0010		mg/L	1	10/10/07 10:31
Chloroethane	A	ND	0.00080	0.0020		mg/L	1	10/10/07 10:31
Chloroform	A	ND	0.00070	0.0010		mg/L	1	10/10/07 10:31
Chloromethane	A	ND	0.00030	0.0020		mg/L	1	10/10/07 10:31
Dibromochloromethane	A	ND	0.00060	0.0010		mg/L	1	10/10/07 10:31
1,1-Dichloroethane	A	ND	0.00030	0.0010		mg/L	1	10/10/07 10:31
1,2-Dichloroethane	A	ND	0.00040	0.0010		mg/L	1	10/10/07 10:31
1,1-Dichloroethene	A	ND	0.00040	0.0010		mg/L	1	10/10/07 10:31
cis-1,2-Dichloroethene	A	ND	0.00040	0.0010		mg/L	1	10/10/07 10:31
trans-1,2-Dichloroethene	A	ND	0.00040	0.0010		mg/L	1	10/10/07 10:31
1,2-Dichloropropane	A	ND	0.00030	0.0010		mg/L	1	10/10/07 10:31
trans-1,3-Dichloropropene	A	ND	0.00060	0.0010		mg/L	1	10/10/07 10:31
cis-1,3-Dichloropropene	A	ND	0.00030	0.0010		mg/L	1	10/10/07 10:31
Ethylbenzene	A	ND	0.00020	0.0010		mg/L	1	10/10/07 10:31
2-Hexanone	A	ND	0.0011	0.0020		mg/L	1	10/10/07 10:31
4-Methyl-2-Pentanone	A	ND	0.00080	0.0010		mg/L	1	10/10/07 10:31
Methylene chloride	A	ND	0.00070	0.0020		mg/L	1	10/10/07 10:31
Styrene	A	ND	0.00020	0.0010		mg/L	1	10/10/07 10:31

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ANALYTICAL RESULTS

Date: *Thursday, October 11, 2007*

Client: MWH, Inc.
Client Project: GW - SemiAnnual / ACS
Client Sample ID: ACS-GW-PWD-30
Sample Description:
Sample Matrix: Aqueous

Work Order / ID: ME0710178-06
Collection Date: 10/02/07 16:45
Date Received: 10/03/07 14:10

Analyses	ST	Result	MDL	RL	Qual	Units	DF	Analyzed
VOC'S	Method: **SW8260B**			Prep Date/Time:				Analyst: **NLT**
1,1,2,2-Tetrachloroethane	A	***ND***	0.00070	0.0010		mg/L	1	10/10/07 10:31
Tetrachloroethene	A	***ND***	0.00040	0.0010		mg/L	1	10/10/07 10:31
Toluene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 10:31
1,1,1-Trichloroethane	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 10:31
1,1,2-Trichloroethane	A	***ND***	0.00070	0.0010		mg/L	1	10/10/07 10:31
Trichloroethene	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 10:31
Vinyl chloride	A	***ND***	0.00040	0.0020		mg/L	1	10/10/07 10:31
Total Xylenes	A	***ND***	0.00030	0.0010		mg/L	1	10/10/07 10:31
1,2,4-Trichlorobenzene	A	***ND***	0.00030	0.0010	UJ	mg/L	1	10/10/07 10:31
1,2-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 10:31
1,3-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 10:31
1,4-Dichlorobenzene	A	***ND***	0.00020	0.0010		mg/L	1	10/10/07 10:31
Surr: 4-Bromofluorobenzene	S	86.9	0	74.3-123		%REC	1	10/10/07 10:31
Surr: Dibromofluoromethane	S	107	0	84.9-118		%REC	1	10/10/07 10:31
Surr: 1,2-Dichloroethane-d4	S	108	0	77.9-126		%REC	1	10/10/07 10:31
Surr: Toluene-d8	S	98.4	0	80.8-118		%REC	1	10/10/07 10:31
TOTAL CYANIDE	Method: **SW-9012B**			Prep Date/Time: **10/08/07 07:45**				Analyst: **RPL**
Cyanide, Total	A	***ND***	0.0020	0.0050		mg/L	1	10/08/07 14:30

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MH 11307

ACS Residential Wells
Data Validation Reports
LDC# 17894

Volatiles

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: ACS Residential Wells

Collection Date: October 2, 2007

LDC Report Date: November 30, 2007

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III & IV

Laboratory: Microbac

Sample Delivery Group (SDG): ME0710178

Sample Identification

ACS-GW-RESTB01-30
ACS-GW-RESDUP01-30
ACS-GW-PWB-30
ACS-GW-PWC-30**
ACS-GW-PWT-30
ACS-GW-PWD-30
ACS-GW-PWT-30MS
ACS-GW-PWT-30MSD

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 8 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8260B for Volatiles.

The review follows the Remedial Design/Remedial Action PRP - Lead Project Quality Assurance Project Plan (November 2001, Rev. 0) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XIV.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

B Compound or analyte was positively detected in a sample and in an associated blank.

UB Compound or analyte is not detected at or above the indicated concentration due to blank contamination.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

In the case where %RSD was greater than 15.0%, the laboratory used a calibration curve to evaluate the compound. All coefficients of determination (r^2) were greater than or equal to 0.990 .

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%RSD	Associated Samples	Flag	A or P
10/6/07	1,2,4-Trichlorobenzene	31.20	All samples in SDG ME0710178	J (all detects) UJ (all non-detects)	A

Average relative response factors (RRF) for all volatile target compounds and system performance check compounds (SPCCs) were within method and validation criteria with the following exceptions:

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
10/6/07	Bromoform	0.082 (≥0.100)	All samples in SDG ME0710178	None	P
10/6/07	Acetone 2-Butanone	0.024 (≥0.05) 0.007 (≥0.05)	All samples in SDG ME0710178	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

All of the continuing calibration RRF values were within validation criteria with the following exceptions:

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
10/10/07 (b101007)	Acetone 2-Butanone	0.026 (≥0.05) 0.007 (≥0.05)	All samples in SDG ME0710178	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A
10/10/07 (b101007)	Bromoform	0.078 (≥0.100)	All samples in SDG ME0710178	None	P

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks.

Sample ACS-GW-RESTB01-30 was identified as a trip blank. No volatile contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
ACS-GW-PWT-30MS/MSD (ACS-GW-PWT-30)	Bromomethane	54.1 (60-140)	-	-	J (all detects) UJ (all non-detects)	A

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was acceptable for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XV. Overall Assessment of Data

Data flags have been summarized at the end of the report if data has been qualified.

XVI. Field Duplicates

Samples ACS-GW-RESDUP01-30 and ACS-GW-PWB-30 were identified as field duplicates. No volatiles were detected in any of the samples.

ACS Residential Wells
Volatiles - Data Qualification Summary - SDG ME0710178

SDG	Sample	Compound	Flag	A or P	Reason
ME0710178	ACS-GW-RESTB01-30 ACS-GW-RESDUP01-30 ACS-GW-PWB-30 ACS-GW-PWC-30** ACS-GW-PWT-30 ACS-GW-PWD-30	1,2,4-Trichlorobenzene	J (all detects) UJ (all non-detects)	A	Initial calibration (%RSD)
ME0710178	ACS-GW-RESTB01-30 ACS-GW-RESDUP01-30 ACS-GW-PWB-30 ACS-GW-PWC-30** ACS-GW-PWT-30 ACS-GW-PWD-30	Bromoform	None	P	Initial calibration (RRF)
ME0710178	ACS-GW-RESTB01-30 ACS-GW-RESDUP01-30 ACS-GW-PWB-30 ACS-GW-PWC-30** ACS-GW-PWT-30 ACS-GW-PWD-30	Acetone 2-Butanone	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Initial calibration (RRF)
ME0710178	ACS-GW-RESTB01-30 ACS-GW-RESDUP01-30 ACS-GW-PWB-30 ACS-GW-PWC-30** ACS-GW-PWT-30 ACS-GW-PWD-30	Acetone 2-Butanone	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Continuing calibration (RRF)
ME0710178	ACS-GW-RESTB01-30 ACS-GW-RESDUP01-30 ACS-GW-PWB-30 ACS-GW-PWC-30** ACS-GW-PWT-30 ACS-GW-PWD-30	Bromoform	None	P	Continuing calibration (RRF)
ME0710178	ACS-GW-PWT-30	Bromomethane	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)

ACS Residential Wells
Volatiles - Laboratory Blank Data Qualification Summary - SDG ME0710178

No Sample Data Qualified in this SDG

ACS Residential Wells
Volatiles - Field Blank Data Qualification Summary - SDG ME0710178

No Sample Data Qualified in this SDG

LDC #: 17894A1
SDG #: ME0710178
Laboratory: Microbac

VALIDATION COMPLETENESS WORKSHEET
Level III/IV

Date: 11/28/07
Page: 1 of 1
Reviewer: SW
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 10/02/07
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	SW	
IV.	Continuing calibration	SW	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	SW	
VIII.	Laboratory control samples	A	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	Not reviewed for Level III validation.
XII.	Compound quantitation/CRQLs	A	Not reviewed for Level III validation.
XIII.	Tentatively identified compounds (TICs)	N	Not reviewed for Level III validation.
XIV.	System performance	A	Not reviewed for Level III validation.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	ND	D = 2, 3
XVII.	Field blanks	ND	TB = 1

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
ND = No compounds detected D = Duplicate
R = Rinsate
FB = Field blank
TB = Trip blank
EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation

Water

1	ACS-GW-RESTB01-30	11	MBLK-W-25 10/10/07	21		31	
2	ACS-GW-RESDUP01-30	12		22		32	
3	ACS-GW-PWB-30	13		23		33	
4	ACS-GW-PWC-30**	14		24		34	
5	ACS-GW-PWT-30	15		25		35	
6	ACS-GW-PWD-30	16		26		36	
7	ACS-GW-PWT-30MS	17		27		37	
8	ACS-GW-PWT-30MSD	18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 17894 A1
SDG #: See Cover

VALIDATION FINDINGS CHECKLIST

Page: 1 of 7
Reviewer: NV
2nd Reviewer: [illegible]

Method: Volatiles (EPA SW 846 Method 8260B)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
III. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation?		✓		
Did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?			✓	
Were all percent relative standard deviations (%RSD) ≤ 30% and relative response factors (RRF) > 0.05?		✓		
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) ≤ 25% and relative response factors (RRF) ≥ 0.05?		✓		
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Was a MS/MSD analyzed every 20 samples of each matrix?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		✓		
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			

LDC #: 17894 A1
SDG #: See Cover

VALIDATION FINDINGS CHECKLIST

Reviewer: SVG
2nd Reviewer:

Validation Area	Yes	No	NA	Findings/Comments
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XI. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XII. Compound quantitation/CRQLs				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Tentatively identified compounds (TICs)				
Were the major ions (> 10 percent relative intensity) in the reference spectrum evaluated in sample spectrum?			✓	
Were relative intensities of the major ions within ± 20% between the sample and the reference spectra?			✓	
Did the raw data indicate that the laboratory performed a library search for all required peaks in the chromatograms (samples and blanks)?		✓		
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XVI. Field duplicates				
Field duplicate pairs were identified in this SDG.	✓			
Target compounds were detected in the field duplicates.		✓		
XVII. Field blanks				
Field blanks were identified in this SDG.	✓			
Target compounds were detected in the field blanks.		✓		

TARGET COMPOUND WORKSHEET

METHOD: VOA (EPA SW 846 Method 8260B)

A. Chloromethane*	U. 1,1,2-Trichloroethane	OO. 2,2-Dichloropropane	III. n-Butylbenzene	CCCC.1-Chlorohexane
B. Bromomethane	V. Benzene	PP. Bromochloromethane	JJJ. 1,2-Dichlorobenzene	DDDD. Isopropyl alcohol
C. Vinyl choride**	W. trans-1,3-Dichloropropene	QQ. 1,1-Dichloropropene	KKK. 1,2,4-Trichlorobenzene	EEEE. Acetonitrile
D. Chloroethane	X. Bromoform*	RR. Dibromomethane	LLL. Hexachlorobutadiene	FFFF. Acrolein
E. Methylene chloride	Y. 4-Methyl-2-pentanone	SS. 1,3-Dichloropropane	MMM. Naphthalene	GGGG. Acrylonitrile
F. Acetone	Z. 2-Hexanone	TT. 1,2-Dibromoethane	NNN. 1,2,3-Trichlorobenzene	HHHH. 1,4-Dioxane
G. Carbon disulfide	AA. Tetrachloroethene	UU. 1,1,1,2-Tetrachloroethane	OOO. 1,3,5-Trichlorobenzene	IIII. Isobutyl alcohol
H. 1,1-Dichloroethene**	BB. 1,1,2,2-Tetrachloroethane*	VV. Isopropylbenzene	PPP. trans-1,2-Dichloroethene	JJJJ. Methacrylonitrile
I. 1,1-Dichloroethane*	CC. Toluene**	WW. Bromobenzene	QQQ. cis-1,2-Dichloroethene	KKKK. Propionitrile
J. 1,2-Dichloroethene, total	DD. Chlorobenzene*	XX. 1,2,3-Trichloropropane	RRR. m,p-Xylenes	LLLL. Ethyl ether
K. Chloroform**	EE. Ethylbenzene**	YY. n-Propylbenzene	SSS. o-Xylene	MMMM. Benzyl chloride
L. 1,2-Dichloroethane	FF. Styrene	ZZ. 2-Chlorotoluene	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	NNNN.
M. 2-Butanone	GG. Xylenes, total	AAA. 1,3,5-Trimethylbenzene	UUU. 1,2-Dichlorotetrafluoroethane	OOOO.
N. 1,1,1-Trichloroethane	HH. Vinyl acetate	BBB. 4-Chlorotoluene	VVV. 4-Ethyltoluene	PPPP.
O. Carbon tetrachloride	II. 2-Chloroethylvinyl ether	CCC. tert-Butylbenzene	WWW. Ethanol	QQQQ.
P. Bromodichloromethane	JJ. Dichlorodifluoromethane	DDD. 1,2,4-Trimethylbenzene	XXX. Di-isopropyl ether	RRRR.
Q. 1,2-Dichloropropane**	KK. Trichlorofluoromethane	EEE. sec-Butylbenzene	YYY. tert-Butanol	SSSS.
R. cis-1,3-Dichloropropene	LL. Methyl-tert-butyl ether	FFF. 1,3-Dichlorobenzene	ZZZ. tert-Butyl alcohol	TTTT.
S. Trichloroethene	MM. 1,2-Dibromo-3-chloropropane	GGG. p-Isopropyltoluene	AAAA. Ethyl tert-butyl ether	UUUU.
T. Dibromochloromethane	NN. Methyl ethyl ketone	HHH. 1,4-Dichlorobenzene	BBBB. tert-Amyl methyl ether	VVVV.

* = System performance check compounds (SPCC) for RRF ; ** = Calibration check compounds (CCC) for %RSD.

LDC #: 17894 A1
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Reviewer: JVG
2nd Reviewer: G

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

- (Y) N N/A — Did the laboratory perform a 5 point calibration prior to sample analysis?
- Y (N) N/A — Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?
- Y (N) N/A — Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation? NA
- Y N (N/A) — Did the initial calibration meet the acceptance criteria?
- Y (N) N/A — Were all %RSDs and RRFs within the validation criteria of ≤30 %RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: ≤30.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	10/06/07	ICAL	X		0.082 (≥0.100)	All + Blk	None /P
			F		0.024 (≥0.05)	↓	J/UJ /A
			M		0.007 ↓	↓	↓
			KKK	31.20		↓	↓

INICAL.1S

LDC #: 17894A1
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: JVC
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
(Y) N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y (N) N/A Were all %D and RRFs within the validation criteria of ≤25 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: <25.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	10/10/07	b101007	F		0.026	All + Blk	J/UJ/A
			M		0.007		
			X		0.078 (0.100)		None/P

CONCAL 1SB

LDC #: 17894A1
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Reviewer: JVG
2nd Reviewer: [illegible]

METHOD : GC/MS VOA (EPA SW 846 Method 8260B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

(Y) N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y (N) N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	Date	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		7/8	B	54.1 (60-140)	( )	( )	5	J/UJ/A
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		

	Compound	QC Limits (Soil)	RPD (Soil)	QC Limits (Water)	RPD (Water)
H.	1,1-Dichloroethene	59-172%	< 22%	61-145%	< 14%
S.	Trichloroethene	62-137%	< 24%	71-120%	< 14%
V.	Benzene	66-142%	< 21%	76-127%	< 11%
CC.	Toluene	59-139%	< 21%	76-125%	< 13%
DD.	Chlorobenzene	60-133%	< 21%	75-130%	< 13%

LDC #: 17894A1
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: JB
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound,
C_x = Concentration of compound,
S = Standard deviation of the RRFs
X = Mean of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported RRF (10 std)	Recalculated RRF (10 std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	ICAL	10/04/07	C (1st internal standard)	0.278	0.278	0.278	0.278	4.88	4.91
			CC (2nd internal standard)	0. 1.884	1.084	1.096	1.096	6.43	6.47
			BB (3rd internal standard)	0.368	0.368	0.361	0.361	3.49	3.52
2			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
3			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
4			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 17894A1
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: JVG
2nd Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	b 10 1002	10/10/07	C (1st internal standard)	0.278	0.287	0.287	1.4	1.4
			CC (2nd internal standard)	1.096	1.025	1.025	6.5	6.5
			BB (3rd internal standard)	0.361	0.344	0.344	4.7	4.7
2			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
3			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 17894A1
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: JVC
2nd reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #4

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8	10	9.81	98.1	98.1	
Bromofluorobenzene		8.78	87.8	87.8	
1,2-Dichloroethane-d4		10.58	106	105.8	
Dibromofluoromethane		10.40	104	104	

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

LDC #: 17894A1
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: JVB
2nd Reviewer: [signature]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration

RPD = I MSC - MSDC I * 2/(MSC + MSDC) MSC = Matrix spike percent recovery MSDC = Matrix spike duplicate percent recovery

MS/MSD sample: 7/8

Compound	Spike Added (ug/L)		Sample Concentration (ug/L)	Spiked Sample Concentration (ug/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	-----	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	10	10	0	7.04	7.57	70.4	70.4	75.7	75.7	6.59	6.59
Trichloroethene				8.7	9.38	87	87	93.8	93.8	~~7.52~~	~~6.~~ 7.57
Benzene				8.9	9.48	89	89	94.8	94.8	6.31	6.31
Toluene				8.85	9.47	88.5	88.5	94.7	94.7	6.77	6.77
Chlorobenzene				9.28	9.9	92.8	92.8	99	99	~~6.47~~	6.47

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 17894 A1
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Page: 1 of 1
Reviewer: JVC
2nd Reviewer: [signature]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration
SA = Spike added

RPD = | LCS - LCSD | * 2/(LCS + LCSD) LCS = Laboraotry control sample percent recovery LCSD = Laboratory control sample duplicate percent recovery

LCS ID: LCS-W-10 PPB

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
1,1-Dichloroethene	10	NA	7.04	NA	70.4	70.4				
Trichloroethene			8.44		84.4	84.4				
Benzene			8.48		84.8	84.8				
Toluene			8.39		83.9	83.9				
Chlorobenzene			8.75		87.5	87.5				

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 17894A1
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: JVG
2nd reviewer: R

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. _____, MD:

Conc. = ( ) ( ) ( ) / ( ) ( ) ( ) ( )

=

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

ACS Residential Wells
Data Validation Reports
LDC# 17894

Semivolatiles

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: ACS Residential Wells

Collection Date: October 2, 2007

LDC Report Date: November 30, 2007

Matrix: Water

Parameters: Semivolatiles

Validation Level: EPA Level III & IV

Laboratory: Microbac

Sample Delivery Group (SDG): MW0710178

Sample Identification

ACS-GW-RESDUP01-30
ACS-GW-PWB-30
ACS-GW-PWC-30**
ACS-GW-PWT-30
ACS-GW-PWD-30
ACS-GW-PWT-30MS
ACS-GW-PWT-30MSD

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 7 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8270C for Semivolatiles.

The review follows the Remedial Design/Remedial Action PRP - Lead Project Quality Assurance Project Plan (November 2001, Rev. 0) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

B Compound or analyte was positively detected in a sample and in an associated blank.

UB Compound or analyte is not detected at or above the indicated concentration due to blank contamination.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all semivolatile target compounds and system monitoring compounds were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
108/07 (C100802)	Hexachlorocyclopentadiene	29.0	All samples in SDG ME0710178	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No semivolatile contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Extraction Date	Compound TIC (RT in minutes)	Concentration	Associated Samples
BK-1-1000607	10/6/07	Benzo(a)pyrene Benzo(g,h,i)perylene Butylbenzylphthalate Dibenz(a,h)anthracene Indeno(1,2,3-cd)pyrene	1.76 ug/L 2.45 ug/L 1.5 ug/L 2.24 ug/L 1.99 ug/L	All samples in SDG ME0710178

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Compound TIC (RT in minutes)	Reported Concentration	Modified Final Concentration
ACS-GW-RESDUP01-30	Benzo(a)pyrene Benzo(g,h,i)perylene Dibenz(a,h)anthracene Indeno(1,2,3-cd)pyrene	0.0011 mg/L 0.0012 mg/L 0.0017 mg/L 0.0012 mg/L	0.010UB mg/L 0.010UB mg/L 0.010UB mg/L 0.010UB mg/L
ACS-GW-PWB-30	Benzo(a)pyrene Benzo(g,h,i)perylene Dibenz(a,h)anthracene Indeno(1,2,3-cd)pyrene	0.0015 mg/L 0.0014 mg/L 0.0016 mg/L 0.0015 mg/L	0.010UB mg/L 0.010UB mg/L 0.010UB mg/L 0.010UB mg/L
ACS-GW-PWC-30**	Benzo(g,h,i)perylene Dibenz(a,h)anthracene Indeno(1,2,3-cd)pyrene	0.0015 mg/L 0.0017 mg/L 0.0016 mg/L	0.010UB mg/L 0.010UB mg/L 0.010UB mg/L
ACS-GW-PWD-30	Benzo(g,h,i)perylene Dibenz(a,h)anthracene	0.0012 mg/L 0.0012 mg/L	0.010UB mg/L 0.010UB mg/L

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was acceptable for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XV. Overall Assessment

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

Samples ACS-GW-RESDUP01-30 and ACS-GW-PWB-30 were identified as field duplicates. No semivolatiles were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/L)		RPD
	ACS-GW-RESDUP01-30	ACS-GW-PWB-30	
Benzo(a)pyrene	0.0011	0.0015	31
Benzo(g,h,i)perylene	0.0012	0.0014	15
Dibenz(a,h)anthracene	0.0017	0.0016	6
Indeno(1,2,3-cd)pyrene	0.0012	0.0015	22

ACS Residential Wells
Semivolatiles - Data Qualification Summary - SDG MW0710178

SDG	Sample	Compound	Flag	A or P	Reason
MW0710178	ACS-GW-RESDUP01-30 ACS-GW-PWB-30 ACS-GW-PWC-30** ACS-GW-PWT-30 ACS-GW-PWD-30	Hexachlorocyclopentadiene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)

ACS Residential Wells
Semivolatiles - Laboratory Blank Data Qualification Summary - SDG MW0710178

SDG	Sample	Compound TIC (RT in minutes)	Modified Final Concentration	A or P
ME0710178	ACS-GW-RESDUP01-30	Benzo(a)pyrene Benzo(g,h,i)perylene Dibenz(a,h)anthracene Indeno(1,2,3-cd)pyrene	0.010UB mg/L 0.010UB mg/L 0.010UB mg/L 0.010UB mg/L	A
ME0710178	ACS-GW-PWB-30	Benzo(a)pyrene Benzo(g,h,i)perylene Dibenz(a,h)anthracene Indeno(1,2,3-cd)pyrene	0.010UB mg/L 0.010UB mg/L 0.010UB mg/L 0.010UB mg/L	A
ME0710178	ACS-GW-PWC-30**	Benzo(g,h,i)perylene Dibenz(a,h)anthracene Indeno(1,2,3-cd)pyrene	0.010UB mg/L 0.010UB mg/L 0.010UB mg/L	A
ME0710178	ACS-GW-PWD-30	Benzo(g,h,i)perylene Dibenz(a,h)anthracene	0.010UB mg/L 0.010UB mg/L	A

ACS Residential Wells
Semivolatiles - Field Blank Data Qualification Summary - SDG MW0710178

No Sample Data Qualified in this SDG

LDC #: 17894A2
SDG #: ME0710178
Laboratory: Microbac

VALIDATION COMPLETENESS WORKSHEET
Level III/IV

Date: 11/28/07
Page: 1 of 1
Reviewer: SVL
2nd Reviewer: [signature]

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 10/02/07
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	
IV.	Continuing calibration	SW	
V.	Blanks	SW	
VI.	Surrogate spikes	SW	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	A	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	Not reviewed for Level III validation.
XII.	Compound quantitation/CRQLs	A	Not reviewed for Level III validation.
XIII.	Tentatively identified compounds (TICs)	N	Not reviewed for Level III validation.
XIV.	System performance	A	Not reviewed for Level III validation.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	D = 1, 2
XVII.	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation

Water

1	ACS-GW-RESDUP01-30 D	11	BK-1-100607	21		31	
2	ACS-GW-PWB-30 D	12		22		32	
3	ACS-GW-PWC-30**	13		23		33	
4	ACS-GW-PWT-30	14		24		34	
5	ACS-GW-PWD-30	15		25		35	
6	ACS-GW-PWT-30MS	16		26		36	
7	ACS-GW-PWT-30MSD	17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 17894 Av
SDG #: see cover

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: NG
2nd Reviewer:

Method: Semivolatiles (EPA SW 846 Method 8270C)

Validation Area	Yes	No	NA	Findings/Comments
Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
GC/MS instrument performance check				
Were the DFTPP performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation?	✓	✓		
Did the initial calibration meet the curve fit acceptance criteria of > 0.990?			✓	
Were all percent relative standard deviations (%RSD) ≤ 30% and relative response factors (RRF) > 0.05?	✓			
Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) ≤ 25% and relative response factors (RRF) ≥ 0.05?		✓		
Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed for each matrix and concentration?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.	✓			
Surrogate spikes				
Were all surrogate %R within QC limits?		✓		
If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?		✓		
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
Matrix spike/matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Was a MS/MSD analyzed every 20 samples of each matrix?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	✓			
Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			

LDC #: 17894 A2
SDG #: See Cover

VALIDATION FINDINGS CHECKLIST

Reviewer: SVL
2nd Reviewer: [illegible]

Validation Area	Yes	No	NA	Findings/Comments
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
[illegible]				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
[illegible]				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds from the associated calibration standard?	✓			
[illegible]				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?		✓		
[illegible]				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
[illegible]				
Were the major ions (> 10 percent relative intensity) in the reference spectrum evaluated in sample spectrum?			✓	
Were relative intensities of the major ions within ± 20% between the sample and the reference spectra?			✓	
Did the raw data indicate that the laboratory performed a library search for all required peaks in the chromatograms (samples and blanks)?		✓		
[illegible]				
System performance was found to be acceptable.	✓			
[illegible]				
Overall assessment of data was found to be acceptable.	✓			
[illegible]				
Field duplicate pairs were identified in this SDG.	✓			
Target compounds were detected in the field duplicates.	✓			
[illegible]				
Field blanks were identified in this SDG.		✓		
Target compounds were detected in the field blanks.			✓	

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS BNA (EPA SW 846 Method 8270C)

A. Phenol**	P. Bis(2-chloroethoxy)methane	EE. 2,6-Dinitrotoluene	TT. Pentachlorophenol**	III. Benzo(a)pyrene**
B. Bis (2-chloroethyl) ether	Q. 2,4-Dichlorophenol**	FF. 3-Nitroaniline	UU. Phenanthrene	JJJ. Indeno(1,2,3-cd)pyrene
C. 2-Chlorophenol	R. 1,2,4-Trichlorobenzene	GG. Acenaphthene**	VV. Anthracene	KKK. Dibenz(a,h)anthracene
D. 1,3-Dichlorobenzene	S. Naphthalene	HH. 2,4-Dinitrophenol*	WW. Carbazole	LLL. Benzo(g,h,i)perylene
E. 1,4-Dichlorobenzene**	T. 4-Chloroaniline	II. 4-Nitrophenol*	XX. Di-n-butylphthalate	MMM. Bis(2-Chloroisopropyl)ether
F. 1,2-Dichlorobenzene	U. Hexachlorobutadiene**	JJ. Dibenzofuran	YY. Fluoranthene**	NNN. Aniline
G. 2-Methylphenol	V. 4-Chloro-3-methylphenol**	KK. 2,4-Dinitrotoluene	ZZ. Pyrene	OOO. N-Nitrosodimethylamine
H. 2,2'-Oxybis(1-chloropropane)	W. 2-Methylnaphthalene	LL. Diethylphthalate	AAA. Butylbenzylphthalate	PPP. Benzoic Acid
I. 4-Methylphenol	X. Hexachlorocyclopentadiene*	MM. 4-Chlorophenyl-phenyl ether	BBB. 3,3'-Dichlorobenzidine	QQQ. Benzyl alcohol
J. N-Nitroso-di-n-propylamine*	Y. 2,4,6-Trichlorophenol**	NN. Fluorene	CCC. Benzo(a)anthracene	RRR. Pyridine
K. Hexachloroethane	Z. 2,4,5-Trichlorophenol	OO. 4-Nitroaniline	DDD. Chrysene	SSS. Benzidine
L. Nitrobenzene	AA. 2-Chloronaphthalene	PP. 4,6-Dinitro-2-methylphenol	EEE. Bis(2-ethylhexyl)phthalate	TTT.
M. Isophorone	BB. 2-Nitroaniline	QQ. N-Nitrosodiphenylamine (1)**	FFF. Di-n-octylphthalate**	UUU
N. 2-Nitrophenol**	CC. Dimethylphthalate	RR. 4-Bromophenyl-phenylether	GGG. Benzo(b)fluoranthene	VVV.
O. 2,4-Dimethylphenol	DD. Acenaphthylene	SS. Hexachlorobenzene	HHH. Benzo(k)fluoranthene	WWW.

Notes:* = System performance check compound (SPCC) for RRF; ** = Calibration check compound (CCC) for %RSD.

LDC #: 17894 Ar

SDG #: See Cover

METHOD: GC/MS BNA (EPA SW 846 Method 8270C)

VALIDATION FINDINGS WORKSHEET

Continuing Calibration

Reviewer: JVG

2nd Reviewer: [signature]

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a continuing calibration standard analyzed at least once every 12 hours of sample analysis for each instrument?

(Y) N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?

Y (N) N/A Were all %D and RRFs within the validation criteria of ≤25 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤25.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	10/08/07	C100807	X	29.0		All + Blk	J/UJ/A

LDC #: 17894 AV
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Blanks

Page: 1 of 1
Reviewer: JVL
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a method blank analyzed for each matrix?
Y N N/A Was a method blank analyzed for each concentration preparation level?
Y N N/A Was a method blank associated with every sample?
Y N N/A Was the blank contaminated? If yes, please see qualification below.

Blank extraction date: 10/04/07 **Blank analysis date:** 10/08/07
Conc. units: mg/L Associated Samples: All

Compound	ug/L Blank ID	mg/L	Sample Identification							
	BK-1-100607		1	2	3	5				
III	1.76	0.00176	0.0011 / 0.010UB	0.0015 / 0.010UB						
LLL	2.45	0.00245	0.0012 /	0.0014 /	0.0015/0.010UB	0.0012/0.010UB				
AAA	1.5	0.0015								
kkk	2.24	0.00224	0.0017 /	0.0016 /	0.0017 /	0.0012 /				
JJJ	1.99	0.00199	0.0012 /	0.0015 /	0.0016 /					

Blank extraction date: _____ **Blank analysis date:** _____
Conc. units: _____ Associated Samples: _____

Compound	Blank ID	Sample Identification								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
Common contaminants such as the phthalates and TICs noted above that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC # 17894A7

SDG # See Cover

VALIDATION FINDINGS WORKSHEET
Surrogate Recovery

Reviewer: JVG

2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270C)

Please see qualification below for all questions answered "N". Not applicable questions are identified as "N/A".

Y (N) N/A Were percent recoveries (%R) for surrogates within QC limits?

Y N N/A If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?

Y N N/A If any %R was less than 10 percent, was a reanalysis performed to confirm %R?

#	Date	Sample ID	Surrogate	%R (Limits)	Qualifications
		4	FBP	36.4 (37-110)	No qual (only 1 acid/base out)
			PHL	15.9 (16-110)	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
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				( )	
				( )	
				( )	
				( )	

* QC limits are advisory	QC Limits (Soil)	QC Limits (Water)
S1 (NBZ) = Nitrobenzene-d5	23-120	35-114
S2 (FBP) = 2-Fluorobiphenyl	30-115	43-116
S3 (TPH) = Terphenyl-d14	18-137	33-141
S4 (PHL) = Phenol-d5	24-113	10-94

	QC Limits (Soil)	QC Limits (Water)
S5 (2FP)= 2-Fluorophenol	25-121	21-100
S6 (TBP) = 2,4,6-Tribromophenol	19-122	10-123
S7 (2CP) = 2-Chlorophenol-d4	20-130*	33-110*
S8 (DCB) = 1,2-Dichlorobenzene-d4	20-130*	16-110*

LDC #: 17994 A2
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: JVG
2nd reviewer: [signature]

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

(Y) N N/A Were field duplicate pairs identified in this SDG?
(Y) N N/A Were target compounds identified in the field duplicate pairs?

Compound	Concentration (~~ug/L~~ mg/L)		RPD
	1	2	
III	0.0011	0.0015	31
LLL	0.0012	0.0014	15
KKK	0.0017	0.0016	6
JJJ	0.0012	0.0015	22

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

LDC #: 17894Av
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: SV6
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270C)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_is)/(A_is)(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound,
C_x = Concentration of compound,
S = Standard deviation of the RRFs,

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard
X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported RRF (50 std)	Recalculated RRF (50 std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	ICAV	9/24/07	Phenol (1st internal standard)	1.446	1.446	1.431	1.431	7.05	7.05
			Naphthalene (2nd internal standard)	1.103	1.103	1.087	1.087	4.04	4.05
			Fluorene (3rd internal standard)	1.504	1.504	1.447	1.447	5.65	5.64
			Pentachlorophenol (4th internal standard)	0.213	0.213	0.220	0.220	19.19	19.10
			Bis(2-ethylhexyl)phthalate (5th internal standard)	0.827	0.827	0.749	0.749	6.06	6.05
			Benzo(a)pyrene (6th internal standard)	1.265	1.265	1.278	1.278	4.84	4.85
2			Phenol (1st internal standard)						
			Naphthalene (2nd internal standard)						
			Fluorene (3rd internal standard)						
			Pentachlorophenol (4th internal standard)						
			Bis(2-ethylhexyl)phthalate (5th internal standard)						
			Benzo(a)pyrene (6th internal standard)						
3			Phenol (1st internal standard)						
			Naphthalene (2nd internal standard)						
			Fluorene (3rd internal standard)						
			Pentachlorophenol (4th internal standard)						
			Bis(2-ethylhexyl)phthalate (5th internal standard)						
			Benzo(a)pyrene (6th internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 17894 A7
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: SVG
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	C100807	10/08/07	Phenol (1st internal standard)	1.431	1.635	1.635	14.3	14.3
			Naphthalene (2nd internal standard)	1.057	1.119	1.119	3.4	3.4
			Fluorene (3rd internal standard)	1.647	0.1.661	1.661	(5.7	15.7
			Pentachlorophenol (4th internal standard)	0.220	0.187	0.187	15.0	15.0
			Bis(2-ethylhexyl)phthalate (5th internal standard)	0.749	0.910	0.910	21.5	21.5
			Benzo(a)pyrene (6th internal standard)	1.278	1.411	1.411	10.4	10.4
2			Phenol (1st internal standard)					
			Naphthalene (2nd internal standard)					
			Fluorene (3rd internal standard)					
			Pentachlorophenol (4th internal standard)					
			Bis(2-ethylhexyl)phthalate (5th internal standard)					
			Benzo(a)pyrene (6th internal standard)					
3			Phenol (1st internal standard)					
			Naphthalene (2nd internal standard)					
			Fluorene (3rd internal standard)					
			Pentachlorophenol (4th internal standard)					
			Bis(2-ethylhexyl)phthalate (5th internal standard)					
			Benzo(a)pyrene (6th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 17894A1

SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1

Reviewer: JVB

2nd reviewer: [signature]

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #3

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	100	59.34	59.3	59.3	0
2-Fluorobiphenyl		61.06	61.1	61.1	
Terphenyl-d14		76.61	76.6	76.6	
Phenol-d5	150	36.55	24.4	24.4	
2-Fluorophenol		59.18	39.5	39.5	
2,4,6-Tribromophenol		107.8	71.9	71.9	
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 17894 Av
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: JVC
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA

Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentation

RPD = | MS - MSD | * 2/(MS + MSD)

MS = Matrix spike percent recovery; MSD = Matrix spike duplicate percent recovery

MS/MSD samples: 6 /7

Compound	Spike Added (ug/L)		Sample Concentration (ug/L)	Spiked Sample Concentration (ug/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	.....	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol	120	125	0	48.36	52.85	40.3	40.3	42.3	42.3	8.88	8.87
N-Nitroso-di-n-propylamine				66.6 v	76	55.5	55.5	60.8	60.8	13.v	13.v
4-Chloro-3-methylphenol				68.8 v	75.9 v	57.4	57.4	60.7	60.7	9.81	9.81
Acenaphthene				59.44	67.81	49.5	49.5	54.3	54.3	13.v	13.16
Pentachlorophenol				54.7	50.5 v	45.6	45.6	40.4	40.4	7.94	7.95
Pyrene	v	v	v	~~68.36~~	75.81	~~54.5~~ 40.5	54.5	60.7	60.6	14.8	14.8

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 17894Av
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Page: 1 of 1
Reviewer: JV6
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SC/SA Where: SSC = Spike concentration
SA = Spike added

RPD = | LCS - LCSD | * 2/(LCS + LCSD) LCS = Laboratory control sample percent recovery LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples: LCS-1- 100607

Compound	Spike Added (ug/L)		Spike Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol	60	NA	15.58	NA	26	26				
N-Nitroso-di-n-propylamine			31.14		51.9	51.9				
4-Chloro-3-methylphenol			30.99		51.6	51.6				
Acenaphthene			29.31		48.9	48.9				
Pentachlorophenol			21.04		35.1	35.1				
Pyrene			31.83		53	53				

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 17894A1
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: SVL
2nd reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270C)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. #3 . LLL

Conc. = (156 58)(40)(1.0 ml)( )( )( ) / (325904)(1.285)(990 ml)( )( )

= 0.00151

≈ 0.0015 mg/L

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

ACS Residential Wells
Data Validation Reports
LDC# 17894

Pesticides & PCBs

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: ACS Residential Wells

Collection Date: October 2, 2007

LDC Report Date: November 30, 2007

Matrix: Water

Parameters: Chlorinated Pesticides & PCBs

Validation Level: EPA Level III & IV

Laboratory: Microbac

Sample Delivery Group (SDG): ME0710178

Sample Identification

ACS-GW-RESDUP01-30
ACS-GW-PWB-30
ACS-GW-PWC-30**
ACS-GW-PWT-30
ACS-GW-PWD-30
ACS-GW-PWT-30MS
ACS-GW-PWT-30MSD

**Indicates sample underwent EPA Level IV review.

Introduction

This data review covers 7 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8081A and 8082 for Chlorinated Pesticides and PCBs.

The review follows the Remedial Design/Remedial Action PRP - Lead Project Quality Assurance Project Plan (November 2001, Rev. 0) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XIV.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

B Compound or analyte was positively detected in a sample and in an associated blank.

UB Compound or analyte is not detected at or above the indicated concentration due to blank contamination.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/ECD Instrument Performance Check

Instrument performance was acceptable unless noted otherwise under initial calibration and continuing calibration sections.

III. Initial Calibration

Initial calibration of single and multicomponent compounds was performed for the primary (quantitation) column and confirmation column as required by this method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all compounds with the following exceptions:

Date	Column	Compound	%RSD	Associated Samples	Flag	A or P
10/5/07	A-MR-1-Mtd-8081	alpha-BHC delta-BHC Methoxychlor	27.74 21.45 25.95	All samples in SDG ME0710178	J (all detects) UJ (all non-detects)	A

Retention time windows were evaluated and considered technically acceptable for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples on which a Level III review was performed.

IV. Continuing Calibration

Continuing calibration was performed at required frequencies.

The percent differences (%D) of calibration factors in continuing standard mixtures were within the 15.0% QC limits with the following exceptions:

Date	Standard	Column	Compound	%D	Associated Samples	Flag	A or P
10/8/07	C100825	A-MR-1-Mtd-8081	alpha-BHC gamma-BHC delta-BHC Heptachlor Aldrin Dieldrin Endrin	31.1 20.8 23.6 15.1 22.4 18.8 17.2	All samples in SDG ME0710178	J (all detects) UJ (all non-detects)	A

Retention times (RT) of all compounds in the calibration standards were within QC limits for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples on which a Level III review was performed.

The individual 4,4'-DDT and Endrin breakdowns (%BD) were less than or equal to 15.0%.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No chlorinated pesticide or PCB contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID	Compound	%R (Limits)	Associated Samples	Affected Compound	Flag	A or P
LCS-3b-100607	Aroclor-1260	153 (50-150)	All samples in SDG ME0710178	Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260	J (all detects) J (all detects) J (all detects) J (all detects)	P

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Pesticide Cleanup Checks

a. Florisil Cartridge Check

Florisil cleanup was not required and therefore not performed in this SDG.

b. GPC Calibration

GPC cleanup was not required and therefore not performed in this SDG.

XI. Target Compound Identification

All target compound identifications were within validation criteria for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XII. Compound Quantitation and Reported CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which an EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XIII. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

XIV. Field Duplicates

Samples ACS-GW-RESDUP01-30 and ACS-GW-PWB-30 were identified as field duplicates. No chlorinated pesticides or PCBs were detected in any of the samples.

ACS Residential Wells
Chlorinated Pesticides & PCBs - Data Qualification Summary - SDG ME0710178

SDG	Sample	Compound	Flag	A or P	Reason
ME0710178	ACS-GW-RESDUP01-30 ACS-GW-PWB-30 ACS-GW-PWC-30** ACS-GW-PWT-30 ACS-GW-PWD-30	alpha-BHC delta-BHC Methoxychlor	J (all detects) UJ (all non-detects)	A	Initial calibration (%RSD)
ME0710178	ACS-GW-RESDUP01-30 ACS-GW-PWB-30 ACS-GW-PWC-30** ACS-GW-PWT-30 ACS-GW-PWD-30	alpha-BHC gamma-BHC delta-BHC Heptachlor Aldrin Dieldrin Endrin	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
ME0710178	ACS-GW-RESDUP01-30 ACS-GW-PWB-30 ACS-GW-PWC-30** ACS-GW-PWT-30 ACS-GW-PWD-30	Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260	J (all detects) J (all detects) J (all detects) J (all detects)	P	Laboratory control samples (%R)

ACS Residential Wells
Chlorinated Pesticides & PCBs - Laboratory Blank Data Qualification Summary - SDG ME0710178

No Sample Data Qualified in this SDG

ACS Residential Wells
Chlorinated Pesticides & PCBs - Field Blank Data Qualification Summary - SDG ME0710178

No Sample Data Qualified in this SDG

LDC #: 17894A3
SDG #: ME0710178
Laboratory: Microbac

VALIDATION COMPLETENESS WORKSHEET
Level III/IV

Date: 11/28/07
Page: 1 of 1
Reviewer: SW
2nd Reviewer: [illegible]

METHOD: GC Chlorinated Pesticides & PCBs (EPA SW 846 Method 8081A/8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 10/02/07
II.	GC/ECD Instrument Performance Check	A	
III.	Initial calibration	SW	
IV.	Continuing calibration	SW	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	SW	LCS
IX.	Regional quality assurance and quality control	N	
Xa.	Florisil cartridge check	N	
Xb.	GPC Calibration	N	
XI.	Target compound identification	A	Not reviewed for Level III validation.
XII.	Compound quantitation and reported CRQLs	A	Not reviewed for Level III validation.
XIII.	Overall assessment of data	A	
XIV.	Field duplicates	ND	D = 1, 2
XV.	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation

water

1	ACS-GW-RESDUP01-30 D	11	BK-3-100607	21		31	
2	ACS-GW-PWB-30 D	12		22		32	
3	ACS-GW-PWC-30**	13		23		33	
4	ACS-GW-PWT-30	14		24		34	
5	ACS-GW-PWD-30	15		25		35	
6	ACS-GW-PWT-30MS	16		26		36	
7	ACS-GW-PWT-30MSD	17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 17894 A3
SDG #: See Cover

VALIDATION FINDINGS CHECKLIST

Reviewer: JVG
2nd Reviewer: [illegible]

Method: Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. GC/ECD Instrument performance check				
Was the instrument performance found to be acceptable?	✓			
III. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Was a linear fit used for evaluation? If yes, were all percent relative standard deviations (%RSD) $\leq$ 20%?	✓			
Was a curve fit used for evaluation? If Yes, what was the acceptance criteria used?		✓		
Did the initial calibration meet the curve fit acceptance criteria?			✓	
Were the RT windows properly established?	✓			
Were the required standard concentrations analyzed in the initial calibration?		✓		
IV. Continuing calibration				
What type of continuing calibration calculation was performed? ✓ %D or ___ %R	✓			
Were Evaluation mix standards analyzed prior to the initial calibration and sample analysis?	✓			
Were endrin and 4,4'-DDT breakdowns $\leq$ 15%.0 for individual breakdown in the Evaluation mix standards?	✓			
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) $\leq$ 15%.0 or percent recovieries 85-115%?		✓		
Were all the retention times within the acceptance windows?	✓			
V. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was a method blank analyzed for each matrix and concentration?	✓			
Were extract cleanup blanks analyzed with every batch requiring clean-up?	✓			
Was there contamination in the method blanks or clean-up blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
VI. Surrogate spikes				
Were all surrogate %R within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	

LDC #: 17894 A3
SDG #: See Cover

VALIDATION FINDINGS CHECKLIST

Reviewer: JW
2nd Reviewer:

Validation Area	Yes	No	NA	Findings/Comments
VII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Was a MS/MSD analyzed every 20 samples of each matrix?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	✓			
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?		✓		
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XI. Compound quantitation/CRQLs				
Were compound quantitation and CRQLs adjusted to reflect all sample dilutions, dry weight factors, and clean-up activities applicable to level IV validation?	✓			
XII. System performance				
System performance was found to be acceptable.	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XIV. Field duplicates				
Field duplicate pairs were identified in this SDG.	✓			
Target compounds were detected in the field duplicates.		✓		
XV. Field blanks				
Field blanks were identified in this SDG.		✓		
Target compounds were detected in the field blanks.			✓	

LDC #: 17894 A3
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Page: 1 of 1
Reviewer: SV6
2nd Reviewer: [signature]

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a 5 point calibration curve performed?
(Y) N N/A Was a linear fit used for evaluation? If yes, the acceptance criteria used for each compound is %RSD less than or equal to 20.0%
Y (N) N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?_____
Y N (N/A) Did the initial calibration meet the acceptance criteria?
Y (N) N/A Was initial calibration performed at the required frequency?

Level IV/D Only

(Y) N N/A Were the retention time window sizes properly established for all compounds?
(Y) N N/A Were compounds run at the required concentrations in the initial calibration?

#	Date	Standard ID	Column	Compound	Finding (%RSD ≤ 20%)	Associated Samples	Qualifications
	10/05/07	ICAL	A-MR-1-Mod8081	A	27.74	All + Blk	J / UJ / A
			↓	C	21.45	↓	↓
			↓	P	25.95	↓	↓

A. alpha-BHC
B. beta-BHC
C. delta-BHC
D. gamma-BHC
E. Heptachlor
F. Aldrin
G. Heptachlor epoxide
H. Endosulfan I
I. Dieldrin
J. 4,4'-DDE
K. Endrin
L. Endosulfan II
M. 4,4'-DDD
N. Endosulfan sulfate
O. 4,4'-DDT
P. Methoxychlor
Q. Endrin ketone
R. Endrin aldehyde
S. alpha-Chlordane
T. gamma-Chlordane
U. Toxaphene
V. Aroclor-1016
W. Aroclor-1221
X. Aroclor-1232
Y. Aroclor-1242
Z. Aroclor-1248
AA. Aroclor-1254
BB. Aroclor-1260
CC. DB 608
DD. DB 1701
EE._____
FF._____
GG._____
HH._____
II._____
JJ._____

LDC #: 17844 A3
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: JVG
2nd Reviewer:

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)
Please see qualifications below for all questions answered "N" Not applicable questions are identified as "N/A".

What type or calibration verification calculation was performed? ✓ %D or ___ RPD

(Y) N N/A Were Evaluation mix standards run before initial calibration and before samples?
(Y) N N/A Were Endrin & 4,4'-DDT breakdowns acceptable in the Evaluation Mix standard (≤15.0% for individual breakdowns)?
(Y) N N/A Was at least one standard run daily to verify the working curve?
Y (N) N/A Did the continuing calibration standards meet the percent difference (%D) / relative percent difference (RPD) criteria of ≤15.0%?

Level IV/D Only

(Y) N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

#	Date	Standard ID	Column	Compound	%D (Limit ≤ 15.0)	RT (Limits)	Associated Samples	Qualifications
	10/08/07	C100825	A-MR-1-Mtd 8081	A	31.1	( )	All + Blk	J/UJ/A
				D	20.8	( )		
				C	23.6	( )		
				E	15.1	( )		
				F	22.4	( )		
				I	18.8	( )		
				K	17.2	( )		
						( )		
						( )		
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A. alpha-BHC
B. beta-BHC
C. delta-BHC
D. gamma-BHC
E. Heptachlor
F. Aldrin
G. Heptachlor epoxide
H. Endosulfan I
I. Dieldrin
J. 4,4'-DDE
K. Endrin
L. Endosulfan II
M. 4,4'-DDD
N. Endosulfan sulfate
O. 4,4'-DDT
P. Methoxychlor
Q. Endrin ketone
R. Endrin aldehyde
S. alpha-Chlordane
T. gamma-Chlordane
U. Toxaphene
V. Aroclor-1016
W. Aroclor-1221
X. Aroclor-1232
Y. Aroclor-1242
Z. Aroclor-1248
AA. Aroclor-1254
BB. Aroclor-1260
CC. DB 608
DD. DB 1701
EE.
FF.
GG.
HH.
II.
JJ.

CONCAL 3S

(Ave = 14.6)

LDC #: 17894A3
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples

Reviewer: JVG
2nd Reviewer: —

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a laboratory control samples (LCS) and laboratory control sample duplicate (LCSD) analyzed for each matrix in this SDG? _____

Y N N/A Were the LCS percent recoveries (%R) and relative percent differences (RPD) within the QC limits?

Level IV/D Only

Y N N/A Was a LCS analyzed every 20 samples for each matrix or whenever a sample extraction was performed?

#	Date	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		LCS-36-100607	BB	153 (50-150)	( )	( )	All + Blk	J (all sp)
				( )	( )	( )		(qual Y, Z, AA, BB)
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
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LDC #: 17894 A3
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [signature]

METHOD: GC ✓ HPLC_____

The calibration Factor (CF), average CF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

A = Area of compound,
C = Concentration of compound,
S = Standard deviation of the CF
X = Mean of the CFs

#	Standard ID	Calibration Date	Compound	Reported CF (std)	Recalculated CF (std)	Reported Average CF (initial)	Recalculated Average CF (initial)	Reported %RSD	Recalculated %RSD
1	ICAL	10/05/07	1260-1 (1.0)	2.106 e6	2106380	2.26 e6	2.26 e6	8.47	8.47
2	ICAL	↓	H (0.2)	2.48 e6	2481685	2.236 e7	2.236 e7	11.21	11.22
			P ↓	1.436 e7	14361745	2.035 e7	2.035 e7	25.43	25.93
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 17894 A3
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: JVG
2nd Reviewer: [signature]

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	C100 808C	10/08/07	1260-1	2.26 e6	2.019 e6	2.018886 e6	10.7	10.7
2	C100 825	10/08/07	H	22.359 e6	25.358 e6	25357540	13.4	13.4
			P	20.354 e6	20.482 e6	20 482 440	0.6	0.6
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 17894A3
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: JVG
2nd reviewer:

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #3

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene	A-MR-1	0.020	0.016	80	80	0
Tetrachloro-m-xylene						
Decachlorobiphenyl			0.018	90	90	
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Notes:

LDC #: 17894 A3
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [signature]

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) and Relative Percent difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100* (SSC-SC)/SA

Where: SSC = Spiked sample concentration
SA = Spike added
SC = Concentration

RPD = I MS - MSD I * 2/(MS + MSD)

MS = Matrix spike percent recovery
MSD = Matrix spike duplicate percent recovery

MS/MSD samples: 6/7

Compound	Spike Added (ug/L)		Sample Concentration (ug/L)	Spiked Sample Concentration (ug/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	-	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
gamma-BHC	1.0	1.04	0	0.78	0.8333	78	78	80	80	6.61	6.61
4,4'-DDT	↓	↓	↓	0.78	0.8125	78	78	78	78	0	4

Comments: Refer ot Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 17894A3
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicate Results Verification

Reviewer: JVG
2nd Reviewer: e

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) and Relative Percent difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100* (SSC-SC)/SA

Where: SSC = Spiked sample concentration
SA = Spike added
SC = Concentration

RPD = | LCS - LCSD | * 2/(LCS + LCSD)

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples: LCS-3a_100607

Compound	Spike Added (mg/L)		Spiked Sample Concentration (mg/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
gamma-BHC	0.5	NA	0.39	NA	78	78				
4,4'-DDT	↓	↓	0.37	↓	74	74				

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 17894A3
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: SVG
2nd reviewer:

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Example:

Sample I.D. _____ ND

Conc. = (_____)
( )

=

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

Note: _____

ACS Residential Wells
Data Validation Reports
LDC# 17894

Metals

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: ACS Residential Wells

Collection Date: October 2, 2007

LDC Report Date: December 3, 2007

Matrix: Water

Parameters: Metals

Validation Level: EPA Level III & IV

Laboratory: Microbac

Sample Delivery Group (SDG): ME0710178

Sample Identification

ACS-GW-RESDUP01-30
ACS-GW-PWB-30
ACS-GW-PWC-30**
ACS-GW-PWT-30
ACS-GW-PWD-30
ACS-GW-PWT-30MS
ACS-GW-PWT-30MSD

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 7 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Methods 6020A and 7000 for Metals. The metals analyzed were Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, and Zinc.

This review follows the Remedial Design/Remedial Action PRP - Lead Project Quality Assurance Project Plan (November 2001, Rev. 0) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the methods stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blanks are summarized in Section III.

Field duplicates are summarized in Section XIII.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

B Compound or analyte was positively detected in a sample and in an associated blank.

UB Compound or analyte is not detected at or above the indicated concentration due to blank contamination.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

All criteria for the initial calibration were met.

The frequency and analysis criteria of the initial calibration verification (ICV) and continuing calibration verification (CCV) were met with the following exceptions:

Date	Calibration ID	Analyte	%R (Limits)	Associated Samples	Flag	A or P
10/4/07	ICV	Aluminum	115 (90-110)	All samples in SDG ME0710178	J (all detects)	P

III. Blanks

Method blanks were reviewed for each matrix as applicable. No contaminant concentrations were found in the initial, continuing and preparation blanks with the following exceptions:

Method Blank ID	Analyte	Maximum Concentration	Associated Samples
PB (prep blank)	Antimony Barium Calcium Cobalt Selenium Thallium	0.0005178 mg/L 0.0001638 mg/L 0.02645 mg/L 0.0000061 mg/L 0.0005285 mg/L 0.0005975 mg/L	All samples in SDG ME0710178
ICB/CCB	Antimony Cobalt Manganese Selenium Silver Thallium	0.0001394 mg/L 0.00000338 mg/L 0.0001546 mg/L 0.00004857 mg/L 0.00000376 mg/L 0.0001456 mg/L	All samples in SDG ME0710178

Data qualification by the initial, continuing and preparation blanks (ICB/CCB/PBs) was based on the maximum contaminant concentration in the ICB/CCB/PBs in the analysis of each analyte. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
ACS-GW-RESDUP01-30	Antimony Barium Calcium Cobalt Manganese Selenium Silver Thallium	0.00058 mg/L 0.12 mg/L 83 mg/L 0.00017 mg/L 0.060 mg/L 0.0015 mg/L 0.000014 mg/L 0.0026 mg/L	0.00058UB mg/L 0.12B mg/L 83B mg/L 0.00017B mg/L 0.060B mg/L 0.0015UB mg/L 0.000014UB mg/L 0.0026UB mg/L
ACS-GW-PWB-30	Antimony Barium Calcium Cobalt Manganese Selenium Thallium	0.00011 mg/L 0.12 mg/L 80 mg/L 0.00016 mg/L 0.060 mg/L 0.00026 mg/L 0.00028 mg/L	0.00011UB mg/L 0.12B mg/L 80B mg/L 0.00016B mg/L 0.060B mg/L 0.00026UB mg/L 0.00028UB mg/L
ACS-GW-PWC-30**	Antimony Barium Calcium Cobalt Manganese Thallium	0.000068 mg/L 0.15 mg/L 86 mg/L 0.00017 mg/L 0.035 mg/L 0.00016 mg/L	0.000068UB mg/L 0.15B mg/L 86B mg/L 0.00017B mg/L 0.035B mg/L 0.00016UB mg/L
ACS-GW-PWT-30	Antimony Barium Calcium Cobalt Manganese Thallium	0.000051 mg/L 0.14 mg/L 91 mg/L 0.00021 mg/L 0.033 mg/L 0.00016 mg/L	0.000051UB mg/L 0.14B mg/L 91B mg/L 0.00021B mg/L 0.033B mg/L 0.00016UB mg/L
ACS-GW-PWD-30	Antimony Barium Calcium Cobalt Manganese Selenium Silver Thallium	0.00052 mg/L 0.13 mg/L 85 mg/L 0.00018 mg/L 0.025 mg/L 0.0014 mg/L 0.0000034 mg/L 0.0030 mg/L	0.00052UB mg/L 0.13B mg/L 85B mg/L 0.00018B mg/L 0.025B mg/L 0.0014UB mg/L 0.0000034UB mg/L 0.0030UB mg/L

IV. ICP Interference Check Sample (ICS) Analysis

The frequency of analysis was met.

The criteria for analysis were met.

V. Matrix Spike Analysis

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VI. Duplicate Sample Analysis

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

VII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

VIII. Internal Standards (ICP-MS)

All internal standard percent recoveries (%R) were within QC limits for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

IX. Furnace Atomic Absorption QC

Graphite furnace atomic absorption was not utilized in this SDG.

X. ICP Serial Dilution

ICP serial dilution was not performed for this SDG.

XI. Sample Result Verification

All sample result verifications were acceptable for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

XII. Overall Assessment of Data

Data flags have been summarized at the end of this report if data has been qualified.

XIII. Field Duplicates

Samples ACS-GW-RESDUP01-30 and ACS-GW-PWB-30 were identified as field duplicates. No metals were detected in any of the samples with the following exceptions:

Analyte	Concentration (ug/L)		RPD
	ACS-GW-RESDUP01-30	ACS-GW-PWB-30	
Antimony	0.00058	0.00011	136
Arsenic	0.0014	0.00041	109
Barium	0.12	0.12	0

Analyte	Concentration (ug/L)		RPD
	ACS-GW-RESDUP01-30	ACS-GW-PWB-30	
Calcium	83	80	4
Chromium	0.0012	0.00083U	200
Cobalt	0.00017	0.00016	6
Copper	0.0048	0.0033	37
Iron	2.4	2.3	4
Lead	0.00085	0.00029	98
Magnesium	41	40	2
Manganese	0.060	0.060	0
Nickel	0.00085	0.0014	49
Potassium	1.7	1.7	0
Selenium	0.0015	0.00026	141
Silver	0.000014	0.0000025U	200
Sodium	24	23	4
Thallium	0.0026	0.00028	161
Zinc	0.0062	0.0073	16

ACS Residential Wells
Metals - Data Qualification Summary - SDG ME0710178

SDG	Sample	Analyte	Flag	A or P	Reason
ME0710178	ACS-GW-RESDUP01-30 ACS-GW-PWB-30 ACS-GW-PWC-30** ACS-GW-PWT-30 ACS-GW-PWD-30	Aluminum	J (all detects)	A	Calibration (%R)

ACS Residential Wells
Metals - Laboratory Blank Data Qualification Summary - SDG ME0710178

SDG	Sample	Analyte	Modified Final Concentration	A or P
ME0710178	ACS-GW-RESDUP01-30	Antimony Barium Calcium Cobalt Manganese Selenium Silver Thallium	0.00058UB mg/L 0.12B mg/L 83B mg/L 0.00017B mg/L 0.060B mg/L 0.0015UB mg/L 0.000014UB mg/L 0.0026UB mg/L	A
ME0710178	ACS-GW-PWB-30	Antimony Barium Calcium Cobalt Manganese Selenium Thallium	0.00011UB mg/L 0.12B mg/L 80B mg/L 0.00016B mg/L 0.060B mg/L 0.00026UB mg/L 0.00028UB mg/L	A
ME0710178	ACS-GW-PWC-30**	Antimony Barium Calcium Cobalt Manganese Thallium	0.000068UB mg/L 0.15B mg/L 86B mg/L 0.00017B mg/L 0.035B mg/L 0.00016UB mg/L	A
ME0710178	ACS-GW-PWT-30	Antimony Barium Calcium Cobalt Manganese Thallium	0.000051UB mg/L 0.14B mg/L 91B mg/L 0.00021B mg/L 0.033B mg/L 0.00016UB mg/L	A

SDG	Sample	Analyte	Modified Final Concentration	A or P
ME0710178	ACS-GW-PWD-30	Antimony Barium Calcium Cobalt Manganese Selenium Silver Thallium	0.00052UB mg/L 0.13B mg/L 85B mg/L 0.00018B mg/L 0.025B mg/L 0.0014UB mg/L 0.0000034UB mg/L 0.0030UB mg/L	A

ACS Residential Wells
Metals - Field Blank Data Qualification Summary - SDG ME0710178

No Sample Data Qualified in this SDG

LDC #: 17894A4

SDG #: ME0710178

Laboratory: Microbac

VALIDATION COMPLETENESS WORKSHEET

Level III/IV

Date: 11/28/07

Page: 1 of 1

Reviewer: MM

2nd Reviewer: [signature]

METHOD: Metals (EPA SW 846 Method ~~6010B~~ 6020A/7000)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 10/2/07
II.	Calibration	SW	
III.	Blanks	SW	
IV.	ICP Interference Check Sample (ICS) Analysis	A	
V.	Matrix Spike Analysis	A	3 MS/MSD
VI.	Duplicate Sample Analysis	N	
VII.	Laboratory Control Samples (LCS)	A	LCS
VIII.	Internal Standard (ICP-MS)	A	Not reviewed for Level 3
IX.	Furnace Atomic Absorption QC	N	Not utilized
X.	ICP Serial Dilution	N	Not performed
XI.	Sample Result Verification	A	Not reviewed for Level III validation.
XII.	Overall Assessment of Data	A	
XIII.	Field Duplicates	SW	(1, 2)
XIV.	Field Blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation

A2

1	ACS-GW-RESDUP01-30	11		21		31	
2	ACS-GW-PWB-30	12		22		32	
3	ACS-GW-PWC-30**	13		23		33	
4	ACS-GW-PWT-30	14		24		34	
5	ACS-GW-PWD-30	15		25		35	
6	ACS-GW-PWT-30MS	16		26		36	
7	ACS-GW-PWT-30MSD	17		27		37	
8	FB	18		28		38	
9		19		29		39	
10		20		30		40	

Notes: _____

LDC #: 17894A4
SDG #: See cover

VALIDATION FINDINGS CHECKLIST

Reviewer: MH
2nd Reviewer:

Method: Metals (EPA SW 846 Method 6010/7000/6020)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. Calibration				
Were all instruments calibrated daily, each set-up time?	✓			
Were the proper number of standards used?	✓			
Were all initial and continuing calibration verification %Rs within the 90-110% (80-120% for mercury and 85-115% for cyanide) QC limits?		✓		
Were all initial calibration correlation coefficients ≥ 0.995? (Level IV only)	✓			
III. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.	✓			
IV. ICP Interference Check Sample				
Were ICP interference check samples performed daily?	✓			
Were the AB solution percent recoveries (%R) with the 80-120% QC limits?				
IV. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and duplicate (DUP) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD or MS/DUP. Soil / Water.	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the 75-125 QC limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.	✓			
Were the MS/MSD or duplicate relative percent differences (RPD) ≤ 20% for waters and ≤ 35% for soil samples? A control limit of +/- RL(+/-2X RL for soil) was used for samples that were ≤ 5X the RL, including when only one of the duplicate sample values were ≤ 5X the RL.	✓			
V. Laboratory control samples				
Was an LCS anaylzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the 80-120% QC limits for water samples and laboratory established QC limits for soils?	✓			
VI. Furnace Atomic Absorption QC				
If MSA was performed, was the correlation coefficients > 0.995?			✓	
Do all applicable analysies have duplicate injections? (Level IV only)			✓	
For sample concentrations > RL, are applicable duplicate injection RSD values < 20%? (Level IV only)			✓	
Were analytical spike recoveries within the 85-115% QC limits?			✓	

LDC #: 17894A4
SDG #: see cover

VALIDATION FINDINGS CHECKLIST

Reviewer: MM
2nd Reviewer: [signature]

Validation Area	Yes	No	NA	Findings/Comments
VII. ICP Serial Dilution				
Was an ICP serial dilution analyzed if analyte concentrations were > ~~50X~~ 5X the IDL?		✓		
Were all percent differences (%Ds) < 10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
VIII. Internal Standards (EPA SW 846 Method 6020)				
Were all the percent recoveries (%R) within the 30-120% of the intensity of the internal standard in the associated initial calibration?	✓			
If the %Rs were outside the criteria, was a reanalysis performed?			✓	
IX. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?			✓	
Were the performance evaluation (PE) samples within the acceptance limits?			✓	
X. Sample Result Verification				
Were RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
XII. Field duplicates				
Field duplicate pairs were identified in this SDG.	✓			
Target analytes were detected in the field duplicates.	✓			
XIII. Field blanks				
Field blanks were identified in this SDG.		✓		
Target analytes were detected in the field blanks.			✓	

LDC #: 19894A4
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Reviewer: MM
2nd reviewer: A

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1-5	A2	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn Mo, B, Si, CN, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
6-7	A2	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn Mo, B, Si, CN, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
Analysis Method		
ICP		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
ICP Trace		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN, ___ ___
ICP-MS		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn Mo, B, Si, CN, ___ ___
GFAA		Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Si, CN,

Comments: Mercury by CVAA if performed

LDC #: 17894A4
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
Calibration

Reviewer: MH
2nd Reviewer:

METHOD: Trace Metals (EPA SW 846 Method 6010/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were all instruments calibrated daily, each set-up time, and were the proper number of standards used?

Y (N) N/A Were all initial and continuing calibration verification percent recoveries (%R) within the control limits of 90-110% for all analytes except mercury (80-120%) and cyanide (85-115%)?

LEVEL IV ONLY:

Y N (N/A) Was a midrange cyanide standard distilled?

(Y) N N/A Are all correlation coefficients ≥0.995?

(Y) N N/A Were recalculated results acceptable? See Level IV Initial and Continuing Calibration Recalculation Worksheet for recalculations.

#	Date	Calibration ID	Analyte	%R	Associated Samples	Qualification of Data
1	10/4/07	ICV	Al	115	All	J (+) / sp

Comments:

LDC #: 17984A4
SDG #: See Cover

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

METHOD: Trace Metals (EPA SW 846 Method 6020A/7000) Soil preparation factor applied: 5X
Sample Concentration units, unless otherwise noted: mg/L Associated Samples: All

					Sample Identification							
Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (mg/L)	Maximum ICB/CCB[a] (mg/L)	Blank Action Limit	1	2	3	4	5			
Al												
Sb		0.0005178	0.0001394	0.003485	0.00058UB	0.00011UB	0.000068UB	0.000051UB	0.00052UB			
As												
Ba		0.0001638		0.00082	0.12B	0.12B	0.15B	0.14B	0.13B			
Be												
Cd												
Ca		0.02645		0.13225	83B	80B	86B	91B	85B			
Cr												
Co		0.0000061	0.00000338	0.000095 845	0.00017B	0.00016B	0.00017B	0.00021B	0.00018B			
Cu												
Fe												
Pb												
Mg												
Mn			0.0001546	0.003865	0.060B	0.060B	0.035B	0.033B	0.025B			
Hg												
Mo												
Ni												
K												
Se		0.0005285	0.00004857	0.002643	0.0015UB	0.00026UB			0.0014UB			
Ag			0.00000376	0.000094	0.000014UB				0.0000034UB			
Na												
Tl		0.0005975	0.0001456	0.00364	0.0026UB	0.00028UB	0.00016UB	0.00016UB	0.0030UB			
V												
Zn												
Sn												
B												

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".
Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC#: 17894A4
SDG#: See Cover

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: Metals (EPA Method 6020A/7000)

(Y) N NA Were field duplicate pairs identified in this SDG?
(Y) N NA Were target analytes detected in the field duplicate pairs?

Compound	Concentration (ug/L)		RPD	
	1	2		
Antimony	0.00058	0.00011	136	
Arsenic	0.0014	0.00041	109	
Barium	0.12	0.12	0	
Calcium	83	80	4	
Chromium	0.0012	0.00083U	200	
Cobalt	0.00017	0.00016	6	
Copper	0.0048	0.0033	37	
Iron	2.4	2.3	4	
Lead	0.00085	0.00029	98	
Magnesium	41	40	2	
Manganese	0.060	0.060	0	
Nickel	0.00085	0.0014	49	
Potassium	1.7	1.7	0	
Selenium	0.0015	0.00026	141	
Silver	0.000014	0.0000025U	200	
Sodium	24	23	4	
Thallium	0.0026	0.00028	161	
Zinc	0.0062	0.0073	16	

LDC #: 17894A4
SDG #: See cover

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: MM
2nd Reviewer: e

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found x 100 / True

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Initial calibration)						
	GFAA (Initial calibration)						
ICV	CVAA (Initial calibration)	Hg	0.00102	0.001	102	102	Y
	ICP (Continuing calibration)						
	GFAA (Continuing calibration)						
CCV	CVAA (Continuing calibration)	Hg	0.00497	0.005	99.4	99.4	Y
ICV	ICP/MS (Initial calibration)	Se	0.0260	0.025	104	104	
CCV	ICP/MS (Continuing calibation)	Co	0.047	0.05	94	94	

Comments: Refer to Calibration Verification findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 19894A4
SDG #: See cover

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Page: 1 of 1
Reviewer: MM
2nd Reviewer: —

METHOD: Trace Metals (EPA SW 846 Method 6010/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	V	20.108	20	101	NR	Y
LCS	Laboratory control sample	Cr	1.889	2	94.5	94.5	↓
6	Matrix spike	As	(SSR-SR) 1.044 ~~1.889~~	2	102	102	↓
617	Duplicate	Be	0.1994	0.2006	0.600	0.610	↓
MS	ICP serial dilution						

Comments: Refer to appropriate worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 19894 AW
SDG #: See cover

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: MM
2nd reviewer:

METHOD: Trace Metals (EPA SW 846 Method 6010/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for 3 were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)(\%S)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor
%S = Decimal percent solids

Recalculation:

$Mn = 6.9758\ ug/L \times 5 = 34.8764\ ug/L$

$= 0.0348764\ mg/L$

Sample ID	Analyte	Reported Concentration (mg/L)	Calculated Concentration (mg/L)	Acceptable (Y/N)
3	Sb	0.000068	0.000068	Y
	As	0.00047	0.00047	
	Ba	0.15	0.15	
	Cd	0.000014	0.000014	
	Ca	86	86	
	Co	0.00017	0.00017	
	Cu	0.0089	0.0089	
	Fe	3.5	3.5	
	Pb	0.00059	0.00059	
	Mg	49	49	
	Mn	0.035	0.035	
	Ni	0.0022	0.0022	
	K	2.2	2.2	
	Na	17	17	
	Tl	0.00016	0.00016	
	Zn	0.021	0.021	↓

ACS Residential Wells
Data Validation Reports
LDC# 17894

Cyanide

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: ACS Residential Wells

Collection Date: October 2, 2007

LDC Report Date: November 29, 2007

Matrix: Water

Parameters: Cyanide

Validation Level: EPA Level III & IV

Laboratory: Microbac

Sample Delivery Group (SDG): ME0710178

Sample Identification

ACS-GW-RESDUP01-30
ACS-GW-PWB-30
ACS-GW-PWC-30**
ACS-GW-PWT-30
ACS-GW-PWD-30
ACS-GW-PWT-30MS
ACS-GW-PWT-30MSD

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 7 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 9012B Cyanide.

This review follows the Remedial Design/Remedial Action PRP - Lead Project Quality Assurance Project Plan (November 2001, Rev. 0) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the methods stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified a P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blanks are summarized in Section III.

Field duplicates are summarized in Section XIII.

Samples indicated by a double asterisk on the front cover underwent a EPA Level IV review. A EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

B Compound or analyte was positively detected in a sample and in an associated blank.

UB Compound or analyte is not detected at or above the indicated concentration due to blank contamination.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

All criteria for the initial calibration were met.

b. Calibration verification

Calibration verification frequency and analysis criteria were met.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No cyanide was found in the method blanks.

No field blanks were identified in this SDG.

IV. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

V. Duplicates

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable.

VI. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

VII. Sample Result Verification

All sample result verifications were acceptable for samples on which a EPA Level IV review was performed. Raw data were not evaluated for the samples reviewed by Level III criteria.

VIII. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

IX. Field Duplicates

Samples ACS-GW-RESDUP01-30 and ACS-GW-PWB-30 were identified as field duplicates. No cyanide was detected in any of the samples.

ACS Residential Wells
Cyanide - Data Qualification Summary - SDG ME0710178

No Sample Data Qualified in this SDG

ACS Residential Wells
Cyanide - Laboratory Blank Data Qualification Summary - SDG ME0710178

No Sample Data Qualified in this SDG

ACS Residential Wells
Cyanide - Field Blank Data Qualification Summary - SDG ME0710178

No Sample Data Qualified in this SDG

LDC #: 17894A6
SDG #: ME0710178
Laboratory: Microbac

VALIDATION COMPLETENESS WORKSHEET
Level III/IV

Date: 11/28/07
Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: Cyanide (EPA SW846 Method 9012B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 10/2/07
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	
III.	Blanks	A	
IV	Matrix Spike/Matrix Spike Duplicates	A	3MS/MSD
V	Duplicates	N	
VI.	Laboratory control samples	A	LCS
VII.	Sample result verification	A	Not reviewed for Level III validation.
VIII.	Overall assessment of data	A	
IX.	Field duplicates	ND	(1, 2)
X.	Field blanks	N	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet
ND = No compounds detected
R = Rinsate
FB = Field blank
D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation

1	ACS-GW-RESDUP01-30	11		21		31	
2	ACS-GW-PWB-30	12		22		32	
3	ACS-GW-PWC-30**	13		23		33	
4	ACS-GW-PWT-30	14		24		34	
5	ACS-GW-PWD-30	15		25		35	
6	ACS-GW-PWT-30MS	16		26		36	
7	ACS-GW-PWT-30MSD	17		27		37	
8	[illegible]	18		28		38	
9		19		29		39	
10		20		30		40	

Notes: _____

LDC #: 17894A6
SDG #: see cover

VALIDATION FINDINGS CHECKLIST

Reviewer: MM
2nd Reviewer: [illegible]

Method: Inorganics (EPA Method 9012B)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
II. Calibration				
Were all instruments calibrated daily, each set-up time?	✓			
Were the proper number of standards used?	✓			
Were all initial calibration correlation coefficients ≥ 0.995?	✓			
Were all initial and continuing calibration verification %Rs within the ~~90-110~~ 85-115% QC limits?	✓			
Were titrant checks performed as required? (Level IV only)			✓	
Were balance checks performed as required? (Level IV only)			✓	
III. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
IV. Matrix spike/Matrix spike duplicates and Duplicates				
Were a matrix spike (MS) and duplicate (DUP) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD or MS/DUP. Soil / Water.	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the 75-125 QC limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.	✓			
Were the MS/MSD or duplicate relative percent differences (RPD) ≤ 20% for waters and ≤ 35% for soil samples? A control limit of ≤ CRDL(≤ 2X CRDL for soil) was used for samples that were ≤ 5X the CRDL, including when only one of the duplicate sample values were ≤ 5X the CRDL.	✓			
V. Laboratory control samples				
Was an LCS anaylzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the 80-120% (85-115% for Method 300.0) QC limits?	✓			
VI. Regional Quality Assurance and Quality Control				
Were performance evaluation (PE) samples performed?			✓	
Were the performance evaluation (PE) samples within the acceptance limits?			✓	

LDC #: 19894A6
SDG #: [illegible]

VALIDATION FINDINGS CHECKLIST

Reviewer: MY
2nd Reviewer: [illegible]

Validation Area	Yes	No	NA	Findings/Comments
VII. Sample Result Verification				
Were RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
Were detection limits < RL?	✓			
VIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			
IX. Field duplicates				
Field duplicate pairs were identified in this SDG.	✓			
Target analytes were detected in the field duplicates.		✓		
X. Field blanks				
Field blanks were identified in this SDG.		✓		
Target analytes were detected in the field blanks.			✓	

LDC #: 17894A6
SDG #: See cover

Validatin Findings Worksheet
Initial and Continuing Calibration Calculation Verification

Reviewer: W
2nd Reviewer: R

Method: Inorganics, Method 9012B

The correlation coefficient (r) for the calibration of CN was recalculated.Calibration date: 10/8/07

An initial or continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = \frac{\text{Found} \times 100}{\text{True}}$$

Where, Found = concentration of each analyte measured in the analysis of the ICV or CCV solution
True = concentration of each analyte in the ICV or CCV source

Type of analysis	Analyte	Standard	Conc. (mg/l)	Area	Recalculated r or r^2	Reported r or r^2	Acceptable (Y/N)
Initial calibration	CN	s1	0	0	*0.9999780*	1.000000	Y
		s2	0.005	351933			
		s3	0.01	634214			
		s4	0.05	3023801			
		s5	0.1	5706932			
		s6	0.25	14192278			
		s7	0.5	28544414			
Calibration verification	CN	0.20	0.2168		108	108	Y
Calibration verification							
Calibration verification							

Comments: Refer to Calibration Verification findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 17894A6
SDG #: See cover

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: MM
2nd Reviewer: [signature]

METHOD: Inorganics, Method 9012B

Percent recoveries (%R) for a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

Sample ID	Type of Analysis	Element	Found / S (units)	True / D (units)	Recalculated %R / RPD	Reported %R / RPD	Acceptable (Y/N)
LCS	Laboratory control sample	CN	0.2172	0.2	109	109	Y
6	Matrix spike sample	"	(SSR-SR) 0.2102	0.2	105	105	"
6/7	Duplicate sample	"	0.2148	0.2102	2.17	2.17	"

Comments: Refer to appropriate worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 19894A6
SDG #: See cover

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: MM
2nd reviewer:

METHOD: Inorganics, Method 9012B

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Have results been reported and calculated correctly?
Y N N/A Are results within the calibrated range of the instruments?
Y N N/A Are all detection limits below the CRQL?

Compound (analyte) results for All ND reported with a positive detect were recalculated and verified using the following equation:

Concentration = Recalculation:

#	Sample ID	Analyte	Reported Concentration ( )	Calculated Concentration ( )	Acceptable (Y/N)

Note:

LABORATORY DATA CONSULTANTS, INC.
7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: 760/634-0439

Project #17894
December 4, 2007

MWH Americas, Inc.
175 West Jackson Blvd, Suite 1900
Chicago, IL 60604-2814
ATTN: Mr. Justin Finger

SUBJECT: ACS Residential Wells, Data Validation

Dear Mr. Finger,

SUBJECT: Precision, Accuracy, Representativeness, Comparability, Completeness (PARCC) Summary Report for the ACS Residential Project

Dear Mr Finger,

Enclosed is the Precision, Accuracy, Representativeness, Comparability, Completeness (PARCC) Summary Report for the ACS Residential Project.

We appreciate this opportunity to support MWH Americas, Ic. in the performance of this project. Please feel free to call me at (760) 634-0437 if you have any questions.

Sincerely,

E Rauto

Erlinda T. Rauto
Operations Manager/Senior Chemist

PRECISION, ACCURACY, REPRESENTATIVENESS, COMPARABILITY, COMPLETENESS SUMMARY REPORT

American Chemical Service

12/3/07

Table of Contents

Section	Title	Page No.
1.0	Introduction	1
2.0	Volatile Organic Compounds	5
2.1	Precision and Accuracy	5
2.2	Representativeness	7
2.3	Comparability	7
2.4	Completeness	7
3.0	Semivolatile Organic Compounds	8
3.1	Precision and Accuracy	8
3.2	Representativeness	9
3.3	Comparability	9
3.4	Completeness	9
4.0	Chlorinated Pesticides and PCBs	9
4.1	Precision and Accuracy	9
4.2	Representativeness	10
4.3	Comparability	11
4.4	Completeness	11
5.0	Metals	11
5.1	Precision and Accuracy	11
5.2	Representativeness	12
5.3	Comparability	13
5.4	Completeness	13
6.0	Cyanide	13
6.1	Precision and Accuracy	13
6.2	Representativeness	14
6.3	Comparability	14
6.4	Completeness	14
7.0	Variances	14
8.0	Summary of PARCC Criteria	15
8.1	Precision and Accuracy	15
8.2	Representativeness	15

8.3 Comparability 15
8.4 Completeness 15

Glossary

CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
DQO	Data Quality Objectives
IDL	Instrument Detection Limit
LCS/LCSD	Laboratory Control Sample / Laboratory Control Sample Duplicate
mg/Kg	Milligrams per Kilogram
MS/MSD	Matrix Spike / Matrix Spike Duplicate
PARCC	Precision,Accuracy,Representativeness,Comparability, Completeness
PCBs	Polychlorinated Biphenyls
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance / Quality Control
RPD	Relative Percent Difference
RRF	Relative Response Factor
RL	Reporting Limit
SDG	Sample Delivery Group
SVOC	Semivolatile Organic Compound
ug/Kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound
%D	Percent Difference
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation

PRECISION, ACCURACY, REPRESENTATIVENESS, COMPARABILITY, COMPLETENESS SUMMARY REPORT
American Chemical Service

1.0 INTRODUCTION

Remedial design/ remedial action was conducted at the American Chemical Service, Inc. NPL Site in Griffith, Indiana. This part of the site investigation included the collection and analyses of 6 residential wells and quality control (QC) samples. The analyses were performed by the following methods:

Volatile Organics by EPA SW 846 Method 8260B
Semivolatile Organics by EPA SW 846 Method 8270C
Chlorinated Pesticides and PCBs by EPA SW 846 Method 8081A
Metals by EPA SW 846 Method 6020A and 7000
Cyanide by EPA SW 846 Method 9012B

Analytical services were provided by Microbac who performed analyses on the residential well samples. The samples were grouped into sample delivery groups (SDGs) of up to 20 field samples received by the laboratory. The environmental samples are associated with QA/QC samples designed to document the data quality of the entire SDG or a sub-group of samples within an SDG. Table I in Appendix A is a cross-reference table listing each sample, analysis, SDG, collection date, laboratory sample number, and matrix. All shaded samples in Table I in Appendix A were reviewed under EPA Level 4 guidelines.

Approximately ten percent of the analytical data were validated according to EPA Level 4 data validation procedures and ninety percent of the analytical data were validated according to EPA Level 3 data validation procedures. The analytical data were evaluated for quality assurance and quality control (QA/QC) based on the following documents: *The Remedial Design/ Remedial Action PRP-Lead Project at the American Chemical Service, Inc. NPL Site, Griffith, Indiana Quality Assurance Project Plan,* November 2001, *Contract Laboratory Program National Functional Guidelines for Organic Data Review*, October 1999, *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, February 1994, and the *EPA SW 846 Third Edition, Test Methods for Evaluating Solid Waste.*

This report summarizes the QA/QC evaluation of the data according to precision, accuracy, representativeness, completeness, and comparability (PARCC) relative to the project data quality objectives (DQOs). This report provides a quantitative and qualitative assessment of the data and identifies potential sources of error, uncertainty, and bias that may affect the overall usability.

The PARCC summary report evaluates and summarizes the results of QA/QC data validation for the entire sampling program. Each analytical fraction has a separate section for each of the PARCC criteria. These sections interpret specific QC deviations and their effects on both individual data points and the analyses as a whole. Section 8 presents a summary of the PARCC criteria by comparing quantitative parameters with acceptability criteria defined in the project DQO's. Qualitative PARCC criteria are also summarized in this section.

Precision and Accuracy of Environmental Data

Environmental data quality depends on sample collection procedures, analytical methods and instrumentation, documentation, and sample matrix properties. Both sampling procedures and

laboratory analyses contain potential sources of uncertainty, error, and/or bias, which affect the overall quality of a measurement. Errors in sample data may result from incomplete equipment decontamination, inappropriate sampling techniques, sample heterogeneity, improper filtering, and improper preservation. The accuracy of analytical results is dependent on selecting appropriate analytical methods, maintaining equipment properly, and complying with QC requirements. The sample matrix also is an important factor in the ability to obtain precise and accurate results within a given media.

Environmental and laboratory QA/QC samples assess the effects of sampling procedures and evaluate laboratory contamination, laboratory performance, and matrix effects. QA/QC samples include: trip blanks, field duplicates, method blanks, laboratory control samples (LCSs), surrogate spikes, matrix spike/matrix spike duplicates (MS/MSDs), and laboratory duplicates.

Before conducting the PARCC evaluation, the analytical data were validated according to the *Remedial Design/ Remedial Action PRP-Lead Project at the American Chemical Service, Inc. NPL Site, Griffith, Indiana Quality Assurance Project Plan,* November 2001, and the Functional Guidelines for Organic Data Review (USEPA 1999) and Inorganic Data Review (USEPA, 1994) and EPA SW 846 Third Edition, Test Methods for Evaluating Solid Waste. Samples not meeting the project procedures manual and the Functional Guideline acceptance criteria were qualified with a flag, an abbreviation indicating a deficiency with the data. The following are flags used in data validation.

J Estimated The associated numerical value is an estimated quantity. The analyte was detected but the reported value may not be accurate or precise. The "J" qualification indicates the data fell outside the QC limits, but the exceedance was not sufficient to cause rejection of the data.

R Rejected The data is unusable (the compound or analyte may or may not be present). Use of the "R" qualifier indicates a significant variance from functional guideline acceptance criteria. Either resampling or reanalysis is necessary to determine the presence or absence of the rejected analyte.

UB Analyte was not detected at or above the indicated concentration due to blank contamination. The "UB" flag is used to qualify any result detected in an environmental sample at a concentration less than 10 times the value of the concentration in any associated blank for common laboratory contaminants and less than 5 times the concentration in any associated blank for all other contaminants

B Analyte was positively detected in a sample and in an associated blank. The "B" flag is used to to qualify any result detected in an environmental sample at a concentration greater than 10 times the value of the concentration in any associated blank for common laboratory contaminants and greater than 5 times the concentration in any associated blank for all other contaminants

UJ Estimated/Nondetected Analyses were performed for the compound or analyte, but it was not detected and the sample quantitation or detection limit is an estimated quantity due to poor accuracy or precision. This qualification is also used to flag possible false negative results in the case where low bias in the analytical system is indicated by low calibration response, surrogate, internal standard, or other spike recovery.

Once the data are reviewed and qualified according to the *Remedial Design/ Remedial Action PRP-Lead Project at the American Chemical Service, Inc. NPL Site, Griffith, Indiana Quality Assurance Project Plan,* November 2001 and the functional guidelines, the data set is then evaluated using PARCC

criteria. PARCC criteria provide an evaluation of overall data usability. The following is a discussion of PARCC criteria as related to the project DQOs.

Precision is a measure of the agreement or reproducibility of analytical results under a given set of conditions. It is a quantity that cannot be measured directly but is calculated from percent recovery data. Precision is expressed as the relative percent difference (RPD):

$$RPD = (D1-D2)/\{1/2(D1+D2)\} \times 100$$

Where D1 and D2 are the reported concentrations for sample and duplicate analyses. Precision is primarily assessed by calculating an RPD from the percent recoveries of the spiked compounds for each sample in the MS/MSD pair. In the absence of an MS/MSD pair, a laboratory duplicate or LCS/LCSD pair can be analyzed as an alternative means of assessing precision. In some cases, samples from multiple SDGs were within one QC batch and therefore are associated with the same laboratory QC samples. An additional measure of sampling precision was obtained by collecting and analyzing field duplicate samples, which were compared using the RPD result as the evaluation criteria.

MS and MSD samples are field samples spiked by the laboratory with target analytes prior to preparation and analysis. These samples measure the overall efficiency of the analytical method in recovering target analytes from an environmental matrix. A LCS is similar to an MS/MSD sample in that the LCS is spiked with the same target analytes prior to preparation and analysis. However, the LCS is prepared using a controlled interference-free matrix instead of a field sample aliquot. Laboratory reagent water is used to prepare aqueous LCS. Non-aqueous LCSs are prepared using solid media approved by the American Society for Testing and Materials (ASTM) for their homogeneity. The LCS measures laboratory efficiency in recovering target analytes from either a solid or aqueous matrix in the absence of matrix interferences.

For inorganics analysis, one primary sample is analyzed and accompanied by an unspiked laboratory duplicate. The data reviewer compares the reported results of the primary analysis and the laboratory duplicate, then calculates RPDs, which are used to assess laboratory precision.

Laboratory and field sampling precision are further evaluated by calculating RPDs for aqueous field sample duplicate pairs. The sampler collects two field samples at the same location and under identically controlled conditions. The laboratory then analyzes the samples under identical conditions.

An RPD outside the numerical QC limit in either MS/MSD samples or LCS/LCSD indicates imprecision. Imprecision is the variance in the consistency with which the laboratory arrives at a particular reported result. Thus, the actual analyte concentration may be higher or lower than the reported result.

Possible causes of poor precision include sample matrix interference, improper sample collection or handling, inconsistent sample preparation, and poor instrument stability. In some duplicate pairs, results maybe reported in either the primary or duplicate samples at levels below the reporting limit or non-detected. Since these values are considered to be estimates, RPD exceedances from these duplicate pairs do not suggest a significant impact on the data quality.

Accuracy is a measure of the agreement of an experimental determination and the true value of the parameter being measured. It is used to identify bias in a given measurement system. Recoveries outside acceptable QC limits may be caused by factors such as instrumentation,

analyst error, or matrix interference. Accuracy is assessed through the analysis of MS, MSD, LCS, and samples containing surrogate spikes. In some cases, samples from multiple SDGs were within one QC batch and therefore are associated with the same laboratory QC samples. Surrogate spikes are either isotopically labeled compounds or compounds that are not typically detected in the samples. Surrogate spikes are added to every blank, environmental sample, MS/MSD, and standard, for volatile organic (VOC), semivolatile (SVOC), chlorinated pesticides and polychlorinated biphenyl (PCBs) analyses. Accuracy of inorganic analyses is determined using the percent recoveries of MS and LCS analyses.

Percent recovery (%R) is calculated using the following equation:

$$\%R = (A-B)/C \times 100$$

where:
A = measured concentration in the spiked sample
B = measured concentration of the spike compound in the unspiked sample
C = concentration of the spike

The percent recovery of each analyte spiked in MS/MSD samples, LCS, and surrogate compounds added to environmental samples is evaluated with the acceptance criteria specified by the previously noted documents. Spike recoveries outside the acceptable QC accuracy limits provide an indication of bias, where the reported data may overestimate or underestimate the actual concentration of compounds detected or quantitation limits reported for environmental samples.

Representativeness is a qualitative parameter that expresses the degree to which the sample data are characteristic of a population. It is evaluated by reviewing the QC results of blank samples and holding times. Positive detects of compounds in the blank samples identify compounds that may have been introduced into the samples during sample collection, transport, preparation, or analysis. The QA/QC blanks collected and analyzed are method blanks, equipment rinsate blanks, and trip blanks.

A method blank is a laboratory grade water or solid matrix that contains the method reagents and has undergone the same preparation and analysis as the environmental samples. The method blank provides a measure of the combined contamination derived from the laboratory source water, glassware, instruments, reagents, and sample preparation steps. Method blanks are prepared for each sample of a similar matrix extracted by the same method at a similar concentration level.

Trip blanks are used to identify possible volatile organic contamination introduced into the sample during transport. A trip blank is a sample bottle filled in the laboratory with reagent-grade water and preserved to a pH less than 2 with hydrochloric acid. It is transported to the site, stored with the sample containers, and returned unopened to the laboratory for analysis. Additionally, for inorganic analyses, initial and continuing calibration blanks consist of acidified laboratory grade water, which are injected at the beginning and at a regular frequency during each 12 - hour sample analysis run. These blanks estimate residual contaminants from the previous sample or standards analysis and measure baseline shifts that commonly occur in emission and absorption spectroscopy.

Contaminants found in both the environmental sample and a blank sample are assumed to be laboratory artifacts if the concentration in the environmental sample is less than 10 times the blank value for common laboratory contaminants; methylene chloride, acetone, 2-butanone, and phthalate esters or 5 times the blank value for other laboratory contaminants.

Holding times are evaluated to assure that the sample integrity is intact for accurate sample preparation and analysis. Holding times will be specific for each method and matrix analyzed. Holding time exceedances can cause loss of sample constituents due to biodegradation, precipitation, volatization, and chemical degradation.

Comparability is a qualitative expression of the confidence with which one data set may be compared to another. It provides an assessment of the equivalence of the analytical results to data obtained from other analyses. It is important that data sets be comparable if they are used in conjunction with other data sets. The factors affecting comparability include the following: sample collection and handling techniques, matrix type, and analytical method. If these aspects of sampling and analysis are carried out according to standard analytical procedures, the data are considered comparable. Comparability is also dependent upon other PARCC criteria, because only when precision, accuracy, and representativeness are known can data sets be compared with confidence.

Completeness is defined as the percentage of acceptable sample results compared to the total number of sample results. Completeness is evaluated to determine if an acceptable amount of usable data were obtained so that a valid scientific site assessment can be completed. Completeness equals the total number of sample results for each fraction minus the total number of rejected sample results divided by the total number of sample results multiplied by 100. As specified in the project DQOs, the goal for completeness for target analytes in each analytical fraction is 95 percent.

Percent completeness is calculated using the following equation:

$$\%C = (T - R)/T \times 100$$

where:
%C = percent completeness
T = total number of sample results
R = total number of rejected sample results

Completeness is also determined by comparing the planned number of samples per method and matrix as specified in the FSP or QAPP, with the number determined above.

The following sections present a review of QC data for each analytical method.

2.0 VOLATILE ORGANIC COMPOUNDS

A total of six water samples were analyzed for volatile organic compounds (VOC) by EPA SW 846 Method 8260B. All 228 volatile results were assessed to be valid since none of the 228 total results were rejected based on QC exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCC criteria and evaluated based on the DQOs.

2.1 Precision and Accuracy

2.1.1 Instrument Calibration

Initial and continuing calibration results provide a means of evaluating accuracy within a particular SDG. Relative response factor (RRF), percent relative standard deviation (%RSD), and percent difference (%D) are the three major parameters used to measure the effectiveness of instrument calibration. RRF is a measure of the relative spectral response of an analyte

compared to its internal standard. %RSD is an expression of the linearity of instrument response. %D is a comparison of a continuing calibration instrumental response with its initial response. %RSD and %D exceedances suggest routine instrumental anomalies, which typically impact all sample results for the affected compounds.

The relative percent differences for 1,2,4-trichlorobenzene was above the criteria for acceptance of 30.0% in the initial calibration. Six results were qualified detected estimated (J) and non-detected estimated (UJ). The details regarding the qualification of results are provided in the data validation reports.

The relative response factors for acetone and 2-butanone were above the criteria for acceptance of 0.05 in the initial calibration and/or the continuing calibration standards. Twelve results were qualified detected estimated (J) and non-detected estimated (UJ). The details regarding the qualification of results are provided in the data validation reports.

2.1.2 Surrogates

No data were qualified based on the surrogate nonconformances. In cases where individual recoveries exceeded criteria, the QC exceedance was judged to have no impact on the data quality and no qualifications were made.

2.1.3 MS/MSD Samples

The percent recoveries for bromomethane were above the acceptance criteria in the MS/MSD. One result was qualified detected estimated (J) and non-detected estimated (UJ). The details regarding the qualification of results are provided in the data validation reports. For those SDGs with MS/MSD results, the recoveries were evaluated against the acceptance criteria.

2.1.4 LCS Samples

No data were qualified based on LCS nonconformances. For those SDGs with LCS results, the recoveries were evaluated against the acceptance criteria.

2.1.5 Internal Standards

No data were qualified based on internal standard nonconformances. The recoveries and retention times were evaluated against the acceptance criteria.

2.1.6 Field Duplicate Samples

The field duplicate samples were evaluated for acceptable precision with RPDs for the compounds. The associated data validation narratives provided details regarding criteria exceeded. Sample data were not qualified on the basis of field duplicate precision.

2.1.7 Compound Quantitation and Target Identification

All compound quantitation and target identification was found to be acceptable.

2.2 Representativeness

2.2.1 Holding Times

The evaluation of holding times to verify compliance with the method was conducted. All holding times were met.

2.2.2 Blanks

Method blanks and trip blanks were collected and analyzed to evaluate representativeness. The concentration for an individual target compounds in any of the three types of QA/QC blanks were used for data qualification.

If contaminants were detected in a blank, corrective actions were made for the chemical analytical data during data validation. The corrective action consisted of amending the laboratory reported results for organic compounds based on the following criteria. The validation qualifier codes used in the blank summary tables are described below.

> Results Below the RL If a sample result for the blank contaminant was less than the RL and less than 10 times the blank value for common contaminants or 5 times the blank value for other contaminants, the sample result was amended as a non-detected at the RL for the target compound and qualified with UB
>
> Results Above the RL If a sample result for the blank contaminant was greater than the sample RL and less than 10 times the blank value for common contaminants or 5 times the blank value for other contaminants, the sample result for the blank contaminant was amended as a non-detect at the concentration reported in the sample results and qualified with UB.
>
> If a sample result for the blank contaminant was greater than 10 times the blank value for common contaminants or 5 times the blank value for other contaminants, the result was not amended and qualified with B.

2.2.2.1 Method Blanks

No QC issues were associated with the method blanks for this analysis.

2.2.2.2 Trip Blanks

No QC issues were associated with the trip blanks for this analysis.

2.3 Comparability

The laboratory used standard analytical methods for all of the analyses. In all cases, the method detection limits attained were at or below the reporting limit. Target compounds detected below the reporting limits flagged (J) by the laboratory should be considered estimated. The comparability of the data is regarded as acceptable.

2.4 Completeness

The completeness level attained for volatile organic field samples was 100 percent. This percentage was calculated as the total number of accepted sample results divided by the total number of sample results multiplied by 100.

3.0 SEMIVOLATILE ORGANIC COMPOUNDS

A total of five water samples were analyzed for semivolatile organic compounds (SVOC) by EPA SW 846 Method 8270C. All 300 semivolatile results were assessed to be valid since none of the 300 total results were rejected based on QC exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCC criteria and evaluated based on the DQOs.

3.1 Precision and Accuracy

3.1.1 Instrument Calibration

As previously discussed in Section 2.1.1, initial and continuing calibration results provide a means of evaluating accuracy.

The relative response factors met the acceptance criteria of 0.05 in the initial and continuing calibration standards.

Five semivolatile results were qualified as detected estimated (J) and non-detected estimated (UJ). The percent difference between the initial calibration mean relative response factors and the continuing calibration relative response factors for hexachlorocyclopentadiene was outside the acceptance criteria of 30 and 25 percent, respectively. The affected samples are identified in the data validation reports.

3.1.2 Surrogates

No data were qualified based on surrogate nonconformances. In cases where individual recoveries exceeded criteria, the QC exceedance was judged to have no impact on the data quality and no qualifications were made.

3.1.3 MS/MSD Samples

No data were qualified based on MS/MSD nonconformances. For those SDGs with MS/MSD results, the recoveries were evaluated against the acceptance criteria.

3.1.4 LCS Samples

No data were qualified based on LCS nonconformances. For those SDGs with LCS results, the recoveries were evaluated against the acceptance criteria.

3.1.5 Internal Standards

No data were qualified based on internal standard nonconformances. The recoveries and retention times were evaluated against the acceptance criteria.

3.1.6 Field Duplicate Samples

The field duplicate samples were evaluated for acceptable precision with RPDs for the compounds. The associated data validation narratives provided details regarding criteria exceeded. Sample data were not qualified on the basis of field duplicate precision.

3.1.8 Compound Quantitation and Target Identification

All compound quantitation and target compound identifications were found to be acceptable.

3.2 Representativeness

3.2.1 Holding Times

The evaluation of holding times to verify compliance with the method was conducted. All holding times were met.

3.2.2 Blanks

As previously discussed in Section 2.2.2, method blanks, equipment rinsate blanks, and field blanks were analyzed to evaluate representativeness.

3.2.2.1 Method Blanks

As a result of method blank contamination, thirteen analytes were qualified as non-detected estimated (UB). The details regarding the qualification of results are provided in the data validation reports.

3.2.2.2 Equipment Rinsate and Field Blanks

No equipment rinsate and field blanks were associated with this group of samples for this analysis.

3.3 Comparability

The laboratory used standard analytical methods for all of the analyses. In all cases, the method detection limits attained were at or below the reporting limit. Target compounds detected below the reporting limits flagged (J) by the laboratory should be considered estimated. The comparability of the data is regarded as acceptable.

3.4 Completeness

The completeness level attained for semivolatile organic field samples was 100 percent. This percentage was calculated as the total number of accepted sample results divided by the total number of sample results multiplied by 100.

4.0 Chlorinated Pesticides / PCBs

A total of five water samples were analyzed for chlorinated pesticides / PCBs by EPA SW 846 Method 8081A/8082. All chlorinated pesticides / PCB data were assessed to be valid since none of the 140 total results were rejected based on QC exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCC criteria and evaluated based on the DQOs.

4.1 Precision and Accuracy

4.1.1 Instrument Calibration

Initial and continuing calibration results provide a means of evaluating accuracy within a particular SDG. Percent relative standard deviation (%RSD) and percent difference (%D) are the two major parameters used to measure the effectiveness of instrument calibration. %RSD is an expression of the linearity of instrument response. %D is a comparison of a continuing calibration instrumental response with its initial response. %RSD and %D exceedances suggest more routine instrumental anomalies, which typically impact all sample results for the affected compounds.

The relative standard deviations in the initial calibrations and/or percent differences between the initial calibration and the continuing calibration concentrations were within the acceptance criteria of 20 and 15 percent respectively with the following exception:

Forty pesticide results were qualified as detected estimated (J) and non-detected estimated (UJ). The percent difference between the initial calibration mean relative response factors and the continuing calibration relative response factors for several compounds were outside the acceptance criteria of 20 and 15 percent, respectively. The affected samples are identified in the data validation reports.

4.1.2 Surrogates

No data were qualified based on surrogate recovery nonconformances. In cases where individual recoveries exceeded criteria, the QC exceedance was judged to have no impact on the data quality and no qualifications were made.

4.1.3 MS/MSD Samples

No data were qualified based on MS/MSD nonconformances. For those SDGs with MS/MSD results, the recoveries were evaluated against the acceptance criteria.

4.1.4 LCS Samples

The percent recoveries for Aroclor 1260 was above the acceptance criteria in the laboratory control samples. Twenty results were qualified detected estimated (J). The details regarding the qualification of results are provided in the data validation reports

4.1.6 Field Duplicate Samples

The field duplicate samples were evaluated for acceptable precision with RPDs for the compounds. The associated data validation narratives provided details regarding criteria exceeded. Sample data were not qualified on the basis of field duplicate precision.

4.1.8 Compound Quantitation and Target Identification

All target compounds identifications were found to be acceptable

4.2 Representativeness

4.2.1 Holding Times

The evaluation of holding times to verify compliance with the method was conducted. All holding times were met.

4.2.2 Blanks

As previously discussed in Section 2.2.2, method blanks were analyzed to evaluate representativeness.

4.2.2.1 Method Blanks

No QC issues were associated with the method blanks for this analysis.

4.3 Comparability

The laboratory used standard analytical methods for all of the analyses. In all cases, the method detection limits attained were at or below the reporting limit. Target compounds detected below the reporting limits flagged (J) by the laboratory should be considered estimated. The comparability of the data is regarded as acceptable.

4.4 Completeness

The completeness level attained for chlorinated pesticides / PCBs field samples was 100 percent. This percentage was calculated as the total number of accepted sample results divided by the total number of sample results multiplied by 100.

5.0 METALS

A total of five water samples were analyzed for metals by EPA SW 846 Method 6020A and 7000. All metals data were assessed to be valid since none of the 115 total results were rejected based on QC exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCC criteria and evaluated based on the DQOs.

5.1 Precision and Accuracy

5.1.1 Instrument Calibration

Initial and continuing calibration verification results provide a means of evaluating accuracy within a particular SDG. Correlation coefficient (r) and percent recovery (%R) are the two major parameters used to measure the effectiveness of instrument calibration. The correlation coefficient indicates the linearity of the calibration curve. %R is used to verify the on going calibration acceptability of the analytical system. The most critical of the two calibration parameters, r, has the potential to affect data accuracy across an SDG when it is outside the acceptable QC limits. %R exceedances suggest more routine instrumental anomalies, which typically impact all sample results for the affected analytes.

The correlation coefficients in the initial calibrations and/or percent recoveries in the continuing calibration verifications were within the acceptance criteria of $\geq$ 0.995 and 90-110 percent, respectively with the following exception:

Five metal results were qualified as detected estimated (J). The percent recoveries in the initial calibration verification for aluminum was outside the acceptance criteria. The affected samples are identified in the data validation reports.

5.1.2 MS Samples

No data were qualified based on MS/MSD nonconformances. For those SDGs with MS/MSD results, the recoveries were evaluated against the acceptance criteria.

5.1.3 Duplicate (DUP) Samples

No data were qualified based on duplicate nonconformances. For those SDGs with DUP results, the relative percent differences/differences were evaluated against the acceptance criteria. In cases where RPDs or differences exceeded criteria, the QC exceedance was judged to have no impact on the data quality and no qualifications were made.

5.1.4 LCS Samples

No data were qualified based on LCS nonconformances. For those SDGs with LCS results, the recoveries were evaluated against the acceptance criteria.

5.1.5 ICP Serial Dilution

No data were qualified based on ICP serial dilution nonconformances. For those SDGs with ICP results, the recoveries were evaluated against the acceptance criteria.

5.1.6 ICP Interference Check Sample

No data were qualified based on interference check sample nonconformances. All recoveries were evaluated against the acceptance criteria.

5.1.7 Field Duplicate Samples

The field duplicate samples were evaluated for acceptable precision with RPDs for the analytes. The associated data validation narratives provided details regarding criteria exceeded. Sample data were not qualified on the basis of field duplicate precision.

5.1.9 Sample Result Verification

All sample results were found to be acceptable.

5.2 Representativeness

5.2.1 Holding Times

The evaluation of holding times to verify compliance with the method was conducted. All holding times were met.

5.2.2 Blanks

Method blanks and field blanks were collected and analyzed to evaluate representativeness. The concentration for an individual target compounds in any of the three types of QA/QC blanks were used for data qualification.

If contaminants were detected in a blank, corrective actions were made for the chemical analytical data during data validation. The corrective action consisted of amending the

laboratory reported results for inorganic analytes based on the following criteria. The validation qualifier codes are described below.

Results Above and Below the RL If a sample result for the blank contaminant was less than or greater than the RL and less than 5 times the blank value, the sample result was amended as a non-detected for the target compound and qualified with UB

If a sample result for the blank contaminant was greater than 5 times the blank value, the result was not amended and qualified with B.

5.2.2.1 Method Blanks

As a result of method blank contamination, thirty five analytes were qualified as non-detected estimated (UB) and detected estimated (B). The details regarding the qualification of results are provided in the data validation reports.

5.3 Comparability

The laboratory used standard analytical methods for all of the analyses. In all cases, the method detection limits attained were at or below the reporting limit. Target analytes detected below the reporting limits flagged (J) by the laboratory should be considered estimated. The comparability of the data is regarded as acceptable.

5.4 Completeness

The completeness level attained for metal field samples was 100 percent. This percentage was calculated as the total number of accepted sample results divided by the total number of sample results multiplied by 100.

6.0 Cyanide

A total of five water samples were analyzed for cyanide by EPA SW 846 Method 9012B. All cyanide data were assessed to be valid since none of the five total results were rejected based on QC exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCC criteria and evaluated based on the DQOs.

6.1 Precision and Accuracy

6.1.1 Instrument Calibration

As previously discussed in Section 5.1.1, initial and continuing calibration results provide a means of evaluating accuracy.

The correlation coefficients in the initial calibrations and/or percent recoveries in the continuing calibration verifications were within the acceptance criteria of $\geq$ 0.995 and 90-110 percent, respectively.

6.1.2 MS Samples

No data were qualified based on MS nonconformances. For those SDGs with MS results, the recoveries were evaluated against the acceptance criteria.

6.1.3 Duplicate (DUP) Samples

No data were qualified based on duplicate nonconformances. For those SDGs with duplicate results, the recoveries were evaluated against the acceptance criteria.

6.1.4 LCS Samples

No data were qualified based on LCS nonconformances. For those SDGs with LCS results, the recoveries were evaluated against the acceptance criteria.

6.1.7 Field Duplicate Samples

The field duplicate samples were evaluated for acceptable precision with RPDs for the analytes. The associated data validation narratives provided details regarding criteria exceeded. Sample data were not qualified on the basis of field duplicate precision.

6.1.9 Sample Result Verification

All sample results were found to be acceptable.

6.2 Representativeness

6.2.1 Holding Times

The evaluation of holding times to verify compliance with the method was conducted. All holding times were met.

6.2.2 Blanks

As previously discussed in Section 5.2.2, method blanks were analyzed to evaluate representativeness.

6.2.2.1 Method Blanks

No QC issues were associated with the method blanks for this analysis.

6.3 Comparability

The laboratory used standard analytical methods for all of the analyses. In all cases, the method detection limits attained were at or below the reporting limit. Target analytes detected below the reporting limits flagged (J) by the laboratory should be considered estimated. The comparability of the data is regarded as acceptable.

6.4 Completeness

The completeness level attained for cyanide field samples was 100 percent. This percentage was calculated as the total number of accepted sample results divided by the total number of sample results multiplied by 100.

7.0 VARIANCES IN ANALYTICAL PERFORMANCE

The laboratory used standard analytical methods for all of the analyses throughout the project. No systematic variances in analytical performance were noted according to the laboratory SOW.

8.0 SUMMARY OF PARCC CRITERIA

The validation reports present the PARCC results for all SDGs. Each PARCC criterion is discussed in detail in the following sections.

8.1 Precision and Accuracy

Precision and accuracy were evaluated usi`ng data quality indicators such as MS/MSD, LCS, and surrogates. The precision and accuracy of the data set were considered acceptable after integration of qualification of estimated results as specifically noted in the data validation reports.

8.2 Representativeness

All samples for each method and matrix were evaluated for holding time compliance. All samples were associated with a method blank in each individual SDG. The representativeness of the project data is considered acceptable after qualification for blank contamination.

8.3 Comparability

Sampling frequency requirements were met in obtaining duplicates and necessary field blanks. The laboratory used standard analytical methods for their analyses. The analytical results were reported in correct standard units. Holding times, sample preservation, and sample integrity were within QC criteria. The overall comparability is considered acceptable.

8.4 Completeness

Of the 788 total analytes reported, none of the 788 total results were rejected. The completeness for all SDGs is as follows:

Parameter/Method	Total Analytes	No. of Rejects	%Completeness
Volatiles	228	0	100
Semivolatiles	300	0	100
Chlorinated Pesticides & PCBs	140	0	100
Metals	115	0	100
Cyanide	5	0	100
Total	**788**	**0**	**100**

The completeness percentage based on rejected data met the 95 percent DQO goal. A less quantifiable loss of data occurred in the application of blank qualifications.

Appendix D

Pumping Data from Lower Aquifer Monitoring Wells

Pumping Data for Lower Aquifer Monitoring Well MW10C

MW10C				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
11/15/02	0.5	1,580	---	---
12/03/02	0.5	1,580	18	0
12/21/02	0.5	1,580	18	0
12/27/02	0.5	1,580	6	0
01/03/03	0.5	1,580	7	0
01/10/03	0.5	1,580	7	0
01/16/03	0.5	1,580	6	0
01/24/03	0.5	1,580	8	0
01/31/03	0.5	1,580	7	0
02/14/03	0.5	2,210	14	45
02/20/03	0.5	2,210	6	0
02/27/03	0.5	2,210	7	0
03/07/03	1	5,840	8	454
03/13/03	1	9,350	6	585
03/21/03	1	22,470	8	1,640
03/28/03	1	32,930	7	1,494
04/04/03	1	40,800	7	1,124
04/11/03	1	40,810	7	1
04/17/03	1	42,750	6	323
04/25/03	1	63,370	8	2,578
05/02/03	1	81,750	7	2,626
05/29/03	1	156,790	27	2,779
06/13/03	1	180,950	15	1,611
06/20/03	1	192,880	7	1,704
07/03/03	1	242,300	13	3,802
07/11/03	1	272,930	8	3,829
07/25/03	2	285,410	14	891

MW10C				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
08/01/03	2	313,850	7	4,063
08/08/03	2	335,510	7	3,094
08/15/03	2	364,550	7	4,149
10/03/03	2	387,450	49	467
10/31/03	2	388,270	28	29
11/07/03	2	414,050	7	3,683
11/21/03	2	454,920	14	2,919
12/05/03	2	496,910	14	2,999
12/12/03	2	519,610	7	3,243
12/26/03	2	571,330	14	3,694
01/02/04	2	597,570	7	3,749
01/09/04	2	622,910	7	3,620
01/16/04	2	649,150	7	3,749
01/22/04	2	671,460	6	3,718
02/12/04	2	695,330	21	1,137
02/20/04	2	725,160	8	3,729
02/27/04	2	751,020	7	3,694
03/19/04	2	832,820	21	3,895
04/02/04	2	864,160	14	2,239
04/16/04	2	916,440	14	3,734
04/23/04	2	942,880	7	3,777
04/30/04	2	969,850	7	3,853
05/14/04	2	1,018,210	14	3,454
06/04/04	2	1,032,860	21	698
06/18/04	2	1,086,740	14	3,849
07/02/04	2	1,140,680	14	3,853
07/09/04	2	1,155,710	7	2,147

MW10C				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
07/16/04	2	1,176,790	7	3,011
07/30/04	2	1,177,420	14	45
09/17/04	0	1,343,810	49	3,396
10/01/04	0	1,343,810	14	0
10/15/04	0	1,343,810	14	0
11/05/04	2	1,357,770	21	665
11/18/04	2	1,374,910	13	1,318
12/03/04	0	1,383,070	15	544
12/10/04	2	1,382,350	7	-103
12/31/04	2	1,387,670	21	253
01/21/05	0	1,390,950	21	156
02/25/05	2	1,406,420	35	442
03/04/05	2	1,422,220	7	2,257
03/11/05	2	1,438,120	7	2,271
03/18/05	2	1,453,770	7	2,236
03/25/05	2	1,463,610	7	1,406
04/01/05	2	1,463,620	7	1
04/08/05	2	1,471,410	7	1,113
04/15/05	2	1,482,000	7	1,513
04/22/05	2	1,495,950	7	1,993
04/29/05	2	1,508,600	7	1,807
05/13/05	2	1,528,470	14	1,419
05/20/05	2	1,540,490	7	1,717
05/27/05	2	1,553,460	7	1,853
06/03/05	2	1,567,280	7	1,974
06/17/05	2	1,575,070	14	556
06/24/05	2	1,579,860	7	684

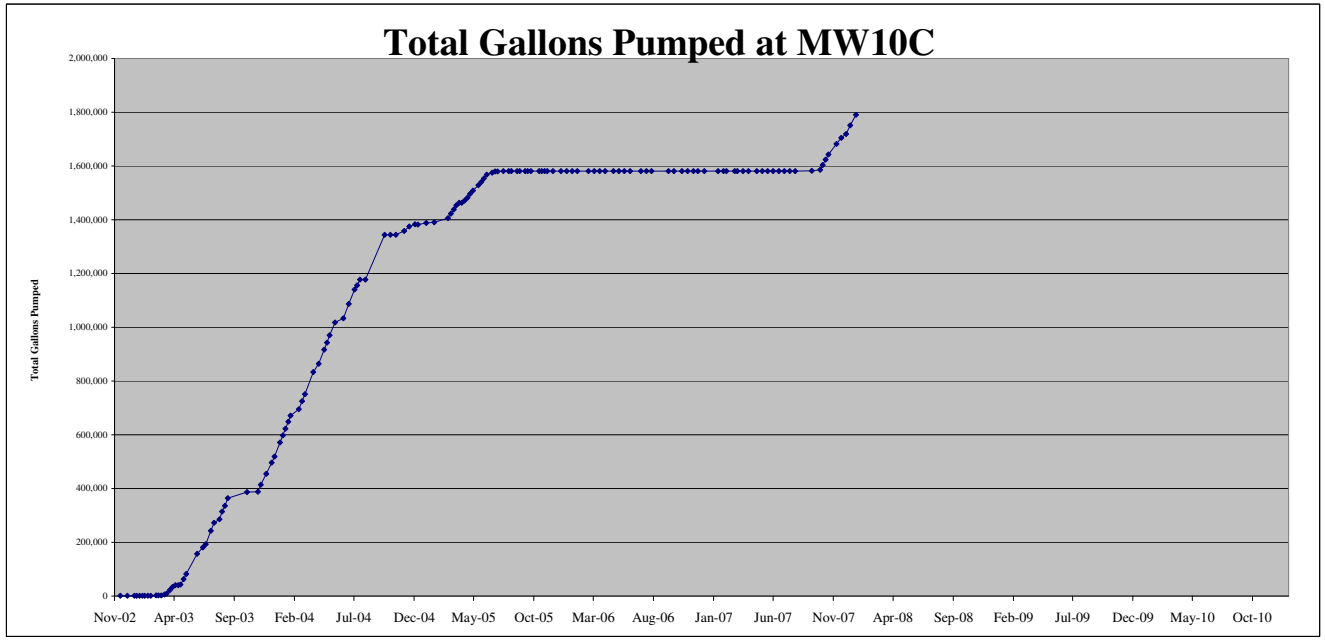
MW10C				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
07/01/05	0	1,579,860	7	0
07/15/05	<1	1,581,440	14	113
07/29/05	0	1,581,440	14	0
08/05/05	0	1,581,440	7	0
08/19/05	0	1,581,440	14	0
08/26/05	0	1,581,440	7	0
09/09/05	0	1,581,440	14	0
09/15/05	0	1,581,440	6	0
09/23/05	0	1,581,440	8	0
10/14/05	0	1,581,440	21	0
10/21/05	0	1,581,440	7	0
10/28/05	0	1,581,440	7	0
11/04/05	0	1,581,440	7	0
11/18/05	0	1,581,440	14	0
12/09/05	0	1,581,440	21	0
12/23/05	0	1,581,440	14	0
01/06/06	0	1,581,440	14	0
01/19/06	0	1,581,440	13	0
02/17/06	0	1,581,440	29	0
03/03/06	0	1,581,440	14	0
03/17/06	0	1,581,440	14	0
03/31/06	0	1,581,440	14	0
04/21/06	0	1,581,440	21	0
05/05/06	0	1,581,440	14	0
05/19/06	0	1,581,440	14	0
06/02/06	0	1,581,440	14	0
06/30/06	0	1,581,440	28	0

MW10C				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
07/14/06	0	1,581,440	14	0
07/27/06	0	1,581,440	13	0
09/08/06	0	1,581,440	43	0
09/22/06	0	1,581,440	14	0
10/12/06	0	1,581,440	20	0
10/27/06	0	1,581,440	15	0
11/10/06	0	1,581,440	14	0
11/22/06	0	1,581,440	12	0
12/08/06	0	1,581,440	16	0
01/12/07	0	1,581,440	35	0
01/26/07	0	1,581,440	14	0
02/02/07	0	1,581,440	7	0
02/23/07	0	1,581,440	21	0
03/02/07	0	1,581,440	7	0
03/16/07	0	1,581,440	14	0
03/30/07	0	1,581,440	14	0
04/20/07	0	1,581,440	21	0
05/04/07	0	1,581,440	14	0
05/18/07	0	1,581,440	14	0
06/01/07	0	1,581,440	14	0
06/15/07	0	1,581,440	14	0
06/29/07	0	1,581,440	14	0
07/13/07	0	1,581,440	14	0
07/27/07	0	1,581,440	14	0
09/07/07	<2	1,581,807	42	9
09/28/07	<2	1,585,550	21	178
10/05/07	2	1,603,180	7	2,519

MW10C				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
10/12/07	2	1,623,290	7	2,873
10/19/07	2	1,643,400	7	2,873
11/09/07	2	1,682,440	21	1,859
11/21/07	2	1,704,390	12	1,829
12/03/07	2	1,719,420	12	1,253
12/14/07	2	1,751,210	11	2,890
12/28/07	2	1,790,930	14	2,837

GPM - Gallons per minute

* Lower aquifer extraction system in MW10C was re-started in September 2007 but was not pumping for the entire time between previous measurement



Pumping Data for Lower Aquifer Monitoring Well MW56

MW56				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
11/15/02	1	10,620	---	---
12/03/02	1	31,620	18	1,167
12/21/02	1.5	50,130	18	1,028
12/27/02	1.5	54,870	6	790
01/03/03	1.5	63,460	7	1,227
01/10/03	1.5	70,130	7	953
01/16/03	1.5	77,380	6	1,208
01/24/03	1.5	84,840	8	933
01/31/03	2	105,400	7	2,937
02/14/03	2	147,310	14	2,994
02/20/03	2	166,550	6	3,207
02/27/03	2	190,130	7	3,369
03/07/03	2	215,980	8	3,231
03/13/03	2	236,440	6	3,410
03/21/03	2	261,380	8	3,118
03/28/03	2	279,930	7	2,650
04/04/03	2	299,360	7	2,776
04/11/03	2	327,490	7	4,019
04/17/03	2	348,540	6	3,508
04/25/03	2	373,590	8	3,131
05/02/03	2	395,770	7	3,169
05/29/03	2	486,640	27	3,366
06/13/03	2	514,120	15	1,832
06/20/03	2	526,930	7	1,830
07/03/03	2	565,650	13	2,978
07/11/03	2	589,150	8	2,938
07/25/03	2	598,780	14	688

MW56				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
08/01/03	2	620,210	7	3,061
08/08/03	2	636,400	7	2,313
08/15/03	2	657,820	7	3,060
10/03/03	2	657,850	49	1
10/31/03	2	690,420	28	1,163
11/07/03	2	709,130	7	2,673
11/21/03	2	738,920	14	2,128
12/05/03	2	770,530	14	2,258
12/12/03	2	787,800	7	2,467
12/26/03	2	827,060	14	2,804
01/02/04	2	846,960	7	2,843
01/09/04	2	866,310	7	2,764
01/16/04	2	886,330	7	2,860
01/22/04	2	903,320	6	2,832
02/12/04	2	921,350	21	859
02/20/04	2	943,660	8	2,789
02/27/04	2	962,930	7	2,753
03/19/04	2	1,024,620	21	2,938
04/02/04	2	1,049,020	14	1,743
04/16/04	2	1,090,960	14	2,996
04/23/04	2	1,113,640	7	3,240
04/30/04	2	1,135,930	7	3,184
05/14/04	2	1,175,970	14	2,860
06/04/04	2	1,247,530	21	3,408
06/18/04	2	1,291,550	14	3,144
07/02/04	2	1,335,500	14	3,139
07/09/04	2	1,358,500	7	3,286

MW56				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
07/16/04	2	1,376,990	7	2,641
07/30/04	2	1,419,610	14	3,044
09/17/04	0	1,519,670	49	2,042
10/01/04	0	1,519,670	14	0
10/15/04	2	1,527,850	14	584
11/05/04	2	1,566,020	21	1,818
11/18/04	2	1,596,200	13	2,322
12/03/04	2	1,631,330	15	2,342
12/10/04	2	1,639,050	7	1,103
12/31/04	2	1,646,830	21	370
01/21/05	2	1,646,880	21	2
02/25/05	2	1,663,450	35	473
03/04/05	2	1,680,530	7	2,440
03/11/05	2	1,697,570	7	2,434
03/18/05	2	1,714,240	7	2,381
03/25/05	2	1,731,870	7	2,519
04/01/05	2	1,739,870	7	1,143
04/08/05	2	1,751,960	7	1,727
04/15/05	2	1,769,170	7	2,459
04/22/05	2	1,784,480	7	2,187
04/29/05	2	1,799,460	7	2,140
05/13/05	2	1,826,680	14	1,944
05/20/05	2	1,841,400	7	2,103
05/27/05	2	1,857,330	7	2,276
06/03/05	2	1,871,780	7	2,064
06/17/05	2	1,900,740	14	2,069
06/24/05	2	1,916,160	7	2,203

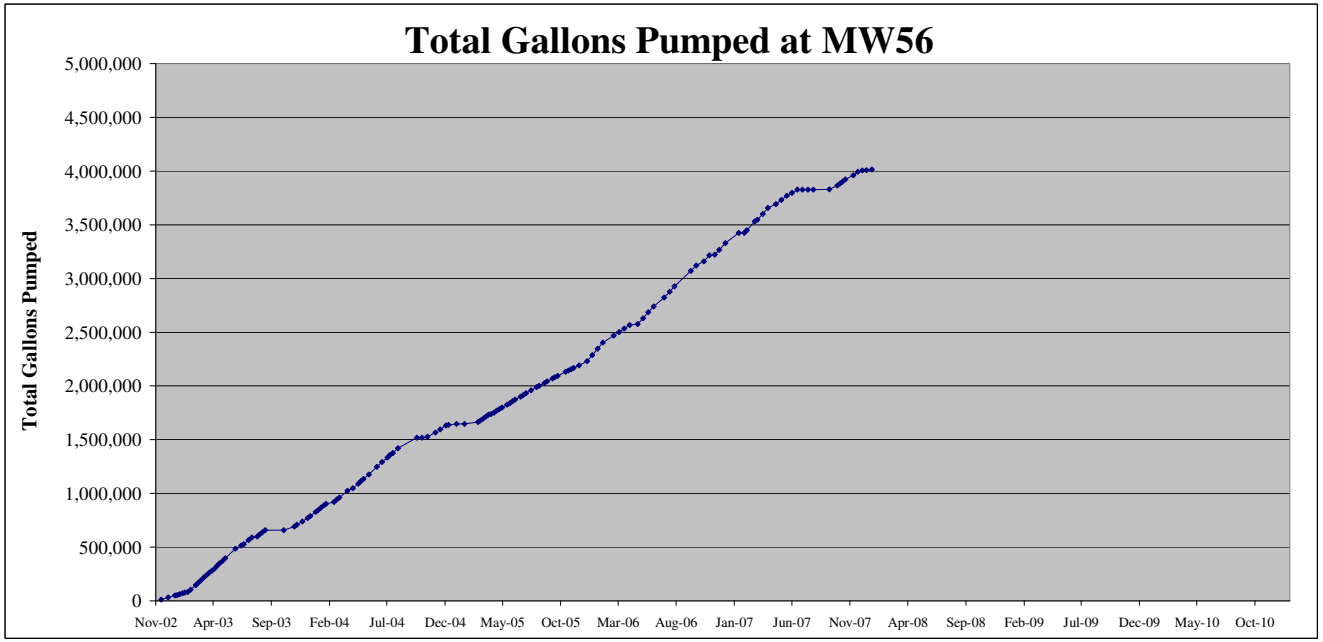
MW56				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
07/01/05	2	1,931,420	7	2,180
07/15/05	2	1,960,260	14	2,060
07/29/05	2	1,987,950	14	1,978
08/05/05	2	2,001,660	7	1,959
08/19/05	2	2,028,380	14	1,909
08/26/05	2	2,042,200	7	1,974
09/09/05	2	2,069,090	14	1,921
09/15/05	2	2,081,920	6	2,138
09/23/05	2	2,094,760	8	1,605
10/14/05	2	2,132,300	21	1,788
10/21/05	2	2,144,310	7	1,716
10/28/05	2	2,155,830	7	1,646
11/04/05	2	2,168,050	7	1,746
11/18/05	2	2,190,910	7	3,266
12/09/05	2	2,231,120	21	1,915
12/23/05	2	2,286,340	14	3,944
01/06/06	2	2,347,510	14	4,369
01/19/06	2	2,402,140	13	4,202
02/17/06	2	2,467,430	29	2,251
03/03/06	2	2,501,260	14	2,416
03/17/06	2	2,533,240	14	2,284
03/31/06	2	2,566,870	14	2,402
04/21/06	2	2,575,140	21	394
05/05/06	2	2,628,830	14	3,835
05/19/06	2	2,685,230	14	4,029
06/02/06	2	2,738,660	14	3,816
06/30/06	2	2,824,520	28	3,066

MW56				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
07/14/06	2	2,877,020	14	3,750
07/27/06	2	2,928,510	13	3,961
09/08/06	2	3,069,650	43	3,282
09/22/06	2	3,122,020	14	3,741
10/12/06	2	3,159,420	20	1,870
10/27/06	2	3,216,640	15	3,815
11/10/06	2	3,220,980	14	310
11/22/06	2	3,266,940	12	3,830
12/08/06	2	3,328,080	16	3,821
01/12/07	2	3,424,900	35	2,766
01/26/07	2	3,424,900	14	0
02/02/07	2	3,447,920	7	3,289
02/23/07	2	3,530,690	21	3,941
03/02/07	2	3,546,020	7	2,190
03/16/07	2	3,599,810	14	3,842
03/30/07	2	3,655,880	14	4,005
04/20/07	2	3,693,760	21	1,804
05/04/07	2	3,731,250	14	2,678
05/18/07	2	3,768,820	14	2,684
06/01/07	2	3,798,270	14	2,104
06/15/07	0	3,826,840	14	2,041
06/29/07	0	3,826,840	14	0
07/13/07	0	3,826,840	14	0
07/27/07	0	3,826,840	14	0
09/07/07	<2	3,828,850	42	48
09/28/07	2	3,865,270	21	1,734
10/05/07	2	3,882,760	7	2,499

MW56				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
10/12/07	2	3,901,380	7	2,660
10/19/07	2	3,920,520	7	2,734
11/09/07	2	3,960,430	21	1,900
11/21/07	2	3,992,210	12	2,648
12/03/07	2	4,005,510	12	1,108
12/14/07	2	4,009,810	11	391
12/28/07	2	4,014,870	14	361

GPM - Gallons per minute

* Lower aquifer extraction system in MW56 was re-started in September 2007 but was not pumping for the entire time between previous measurement



Pumping Data for Lower Aquifer Monitoring Well MW30

MW30				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
09/07/07	2	1,060	---	---
09/28/07	2	37,990	21	1,759
10/05/07	2	56,600	7	2,659
10/12/07	2	77,710	7	3,016
10/19/07	2	98,930	7	3,031
11/09/07	2	144,050	21	2,149
11/21/07	2	164,660	12	1,718
12/03/07	2	178,990	12	1,194
12/14/07	2	208,960	11	2,725
12/28/07	2	248,450	14	2,821

MW30				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

MW30				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

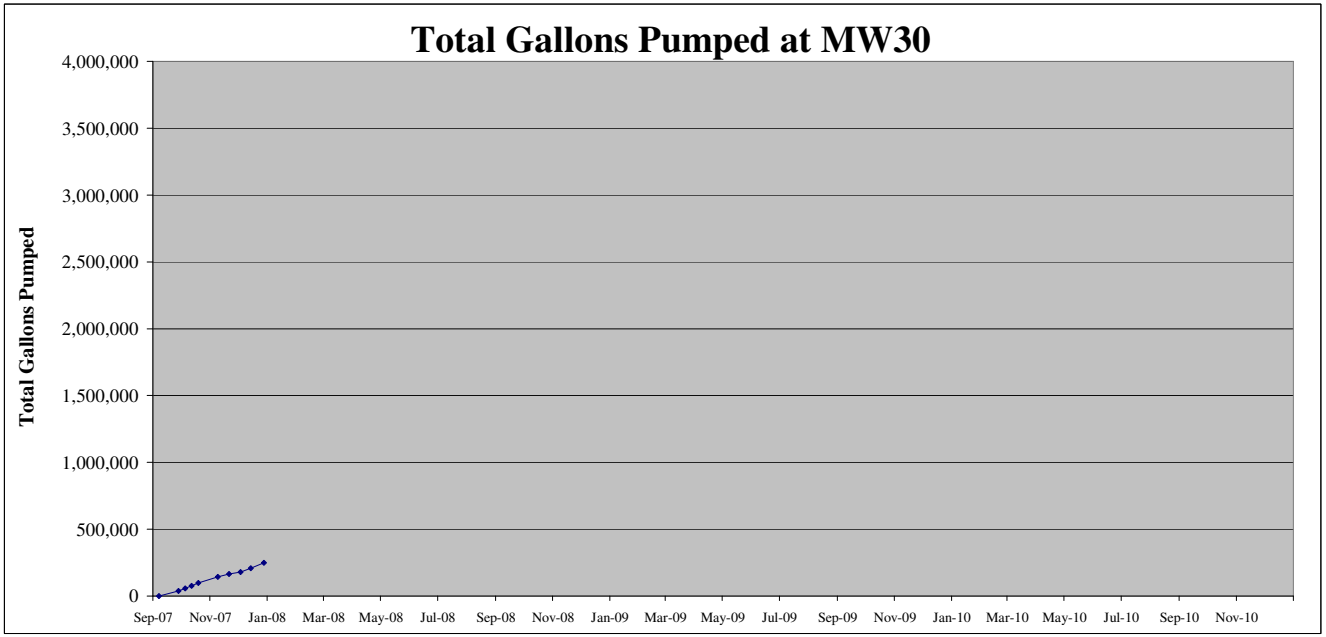
MW30				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

MW30				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

MW30				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

GPM - Gallons per minute

Lower aquifer extraction system in MW30 was started in September 2007.



Pumping Data for Lower Aquifer Monitoring Well MW53

MW53				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
09/07/07	5	1,000	---	---
09/28/07	5	102,310	21	4,824
10/05/07	5	148,680	7	6,624
10/12/07	5	200,950	7	7,467
10/19/07	5	253,560	7	7,516
11/09/07	5	350,480	21	4,615
11/21/07	5	389,000	12	3,210
12/03/07	5	428,570	12	3,298
12/14/07	5	510,910	11	7,485
12/28/07	2	569,240	14	4,166

MW53				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

MW53				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

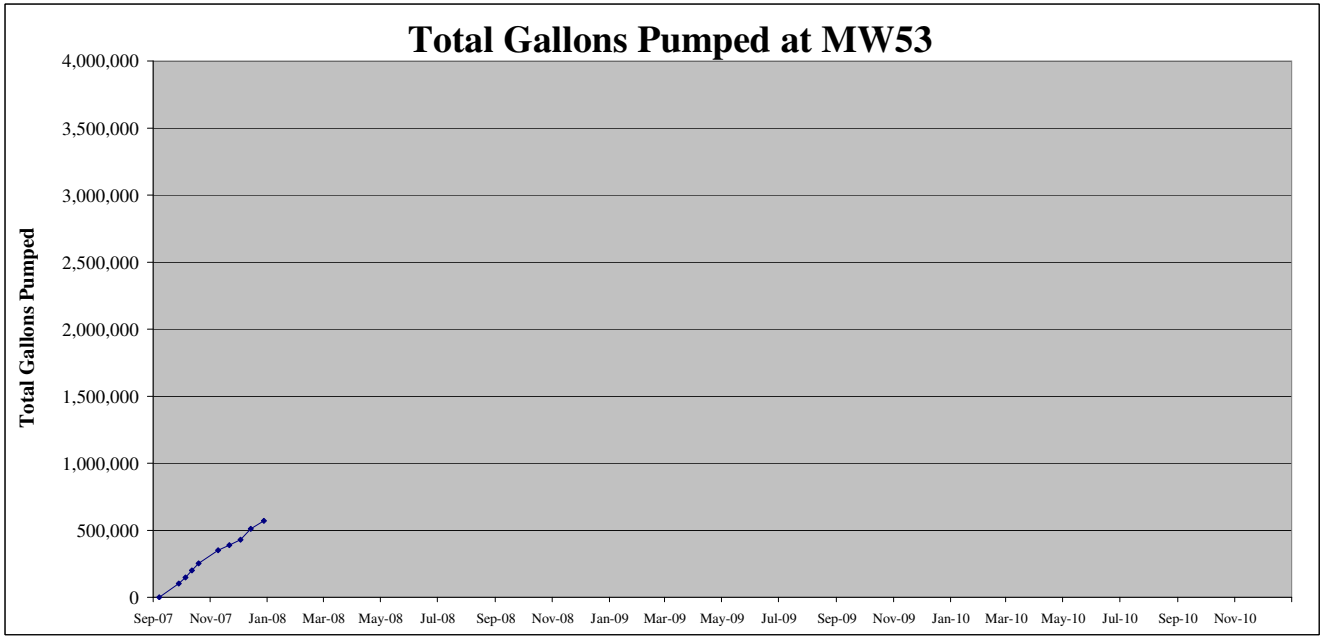
MW53				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

MW53				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

MW53				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

GPM - Gallons per minute

Lower aquifer extraction system in MW30 was started in September 2007.



Pumping Data for Lower Aquifer Monitoring Well LA12

LA12				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
09/07/07	0	740	---	---
09/28/07	0	740	21	0
10/05/07	0	740	7	0
10/12/07	0	740	7	0
10/19/07	0	740	7	0
11/09/07	0	740	21	0
11/21/07	0	740	12	0
12/03/07	0	740	12	0
12/14/07	0	740	11	0
12/28/07	0	740	14	0

LA12				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

LA12				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

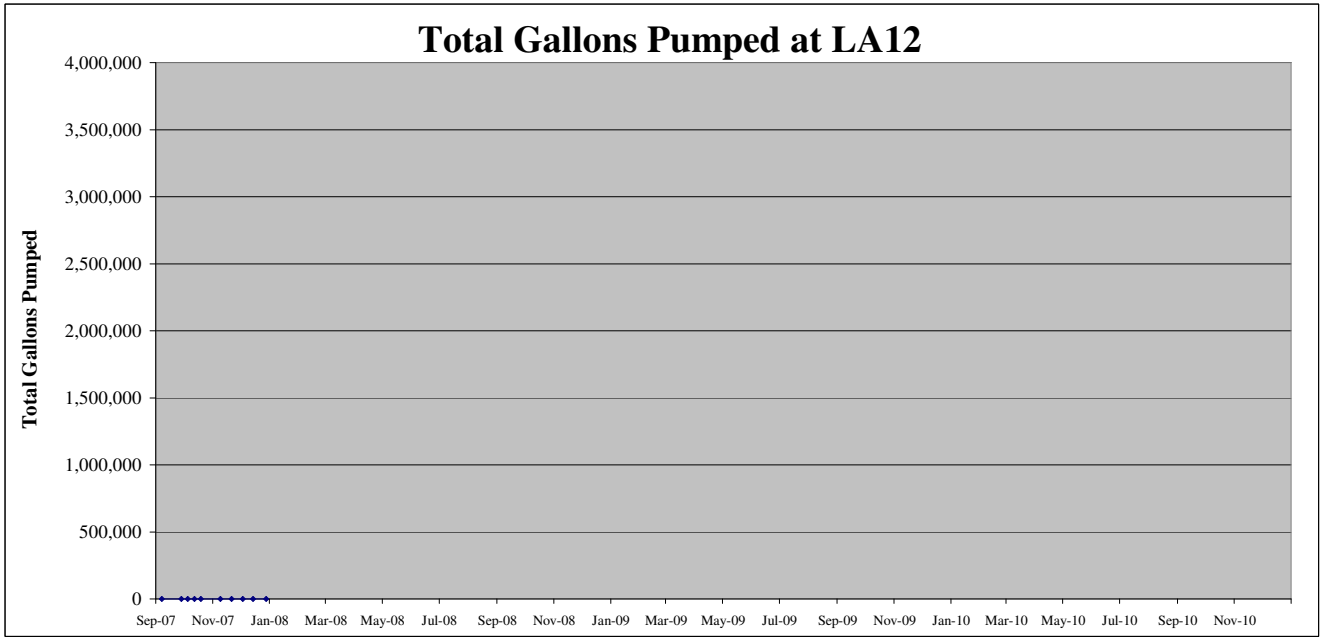
LA12				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

LA12				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

LA12				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

GPM - Gallons per minute

Lower aquifer extraction system in MW30 was started in September 2007.



Pumping Data for Lower Aquifer Monitoring Well LA13

LA13				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
09/07/07	0	0	---	---
09/28/07	0	0	21	0
10/05/07	0	0	7	0
10/12/07	0	0	7	0
10/19/07	0	0	7	0
11/09/07	0	0	21	0
11/21/07	0	0	12	0
12/03/07	0	0	12	0
12/14/07	0	0	11	0
12/28/07	0	0	14	0

LA13				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

LA13				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

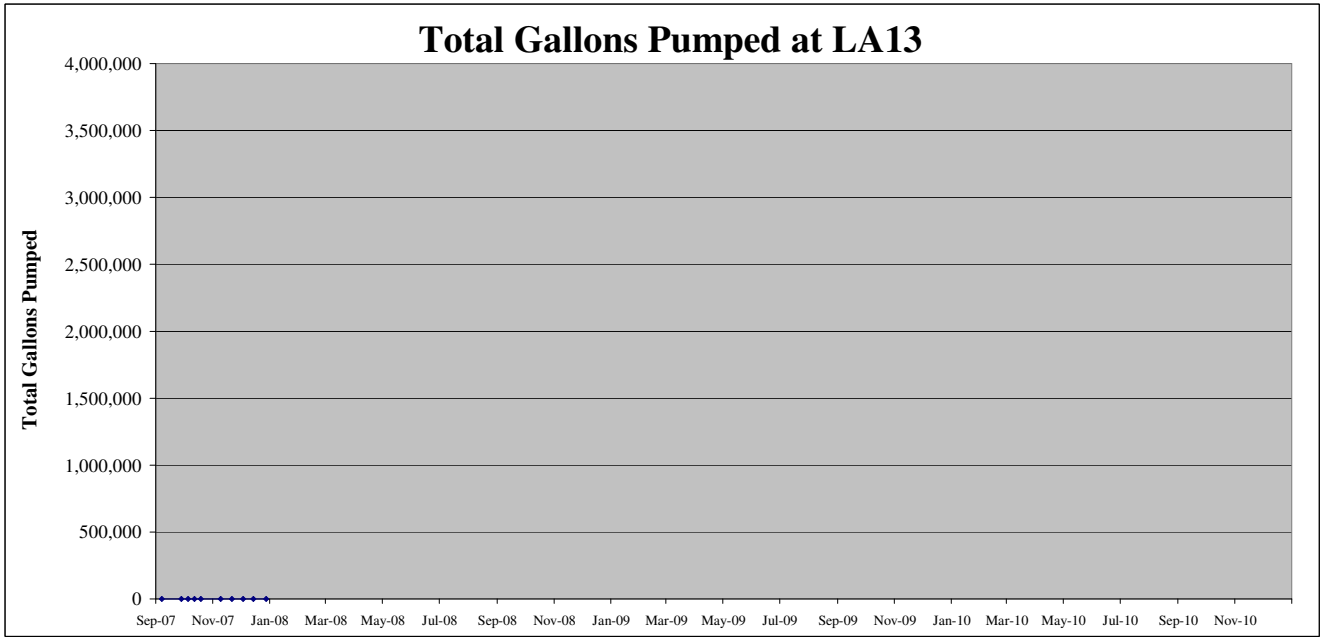
LA13				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

LA13				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

LA13				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

GPM - Gallons per minute

Lower aquifer extraction system in MW30 was started in September 2007.



Pumping Data for Lower Aquifer Monitoring Well LA14

LA14				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
09/07/07	5	1,280	---	---
09/28/07	5	78,730	21	3,688
10/05/07	5	117,780	7	5,579
10/12/07	5	165,640	7	6,837
10/19/07	5	212,980	7	6,763
11/09/07	5	303,580	21	4,314
11/21/07	5	342,410	12	3,236
12/03/07	5	378,330	12	2,993
12/14/07	5	452,820	11	6,772
12/28/07	2	502,280	14	3,533

LA14				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

LA14				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

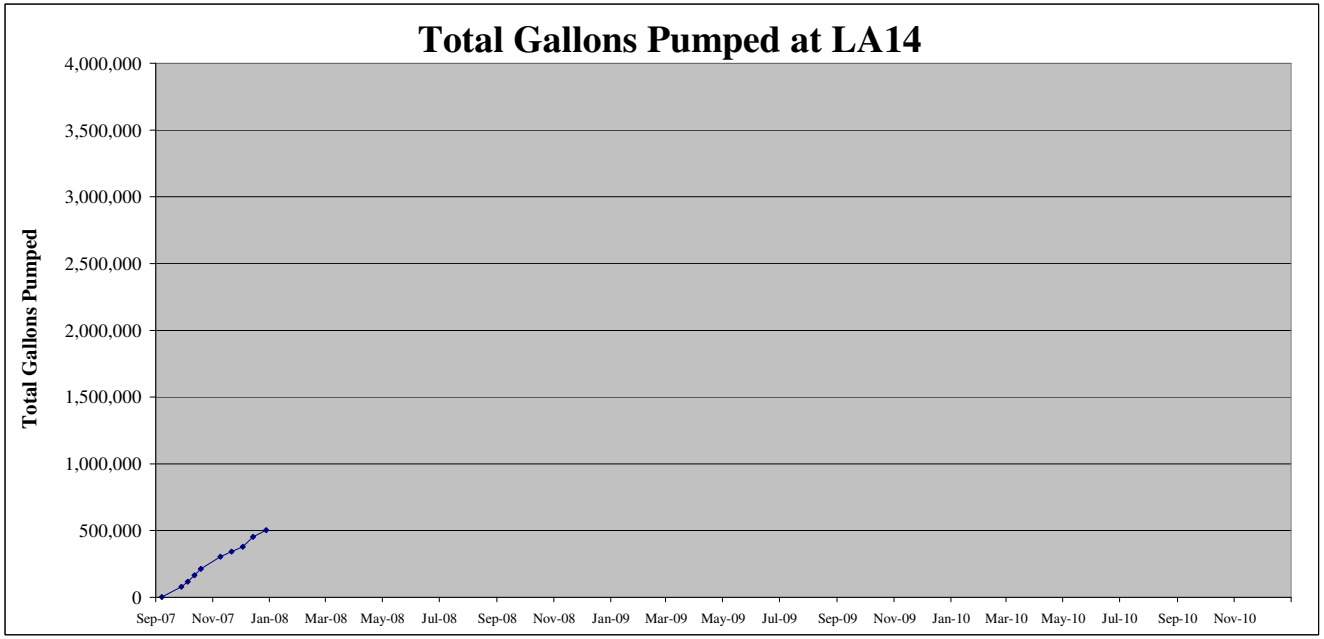
LA14				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

LA14				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

LA14				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

GPM - Gallons per minute

Lower aquifer extraction system in MW30 was started in September 2007.



Pumping Data for Lower Aquifer Monitoring Well LA15

LA15				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
09/07/07	0	0	---	---
09/28/07	0	0	21	0
10/05/07	0	0	7	0
10/12/07	0	0	7	0
10/19/07	0	0	7	0
11/09/07	0	0	21	0
11/21/07	0	0	12	0
12/03/07	0	0	12	0
12/14/07	0	0	11	0
12/28/07	0	0	14	0

LA15				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

LA15				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

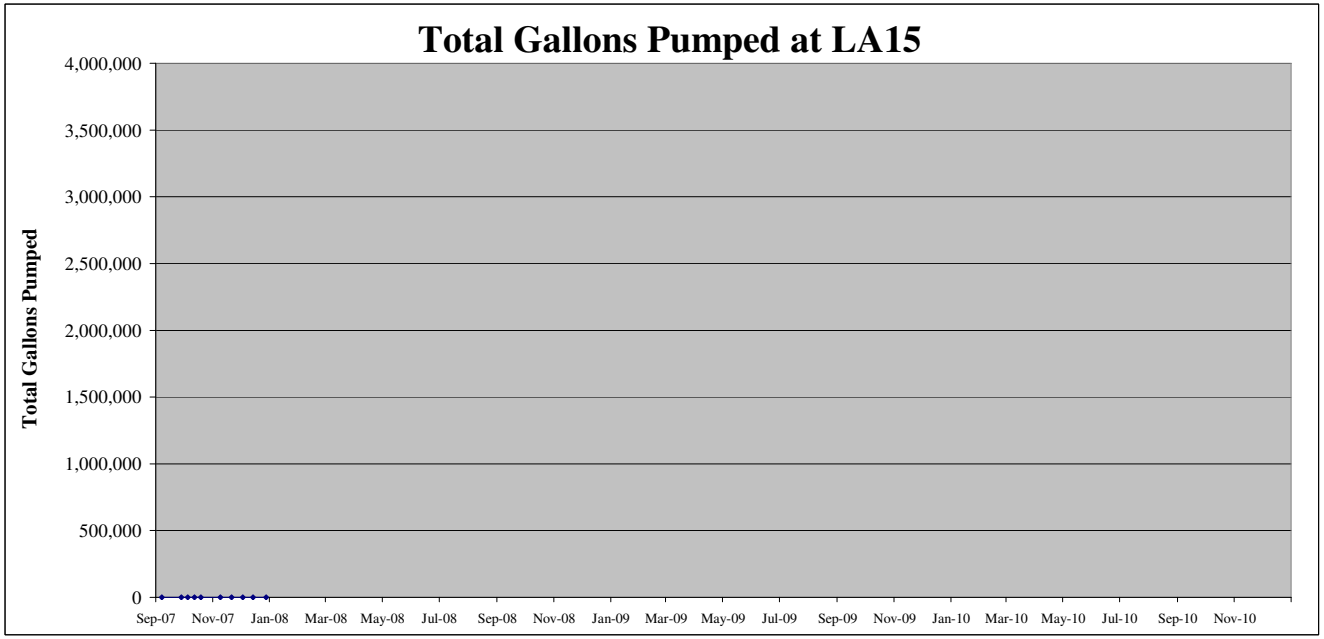
LA15				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

LA15				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

LA15				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day

GPM - Gallons per minute

Lower aquifer extraction system in MW30 was started in September 2007.



Combined Pumping Data for Lower Aquifer Monitoring Wells MW10C, MW56, MW30, MW53, LA12, LA13, LA14, and LA15

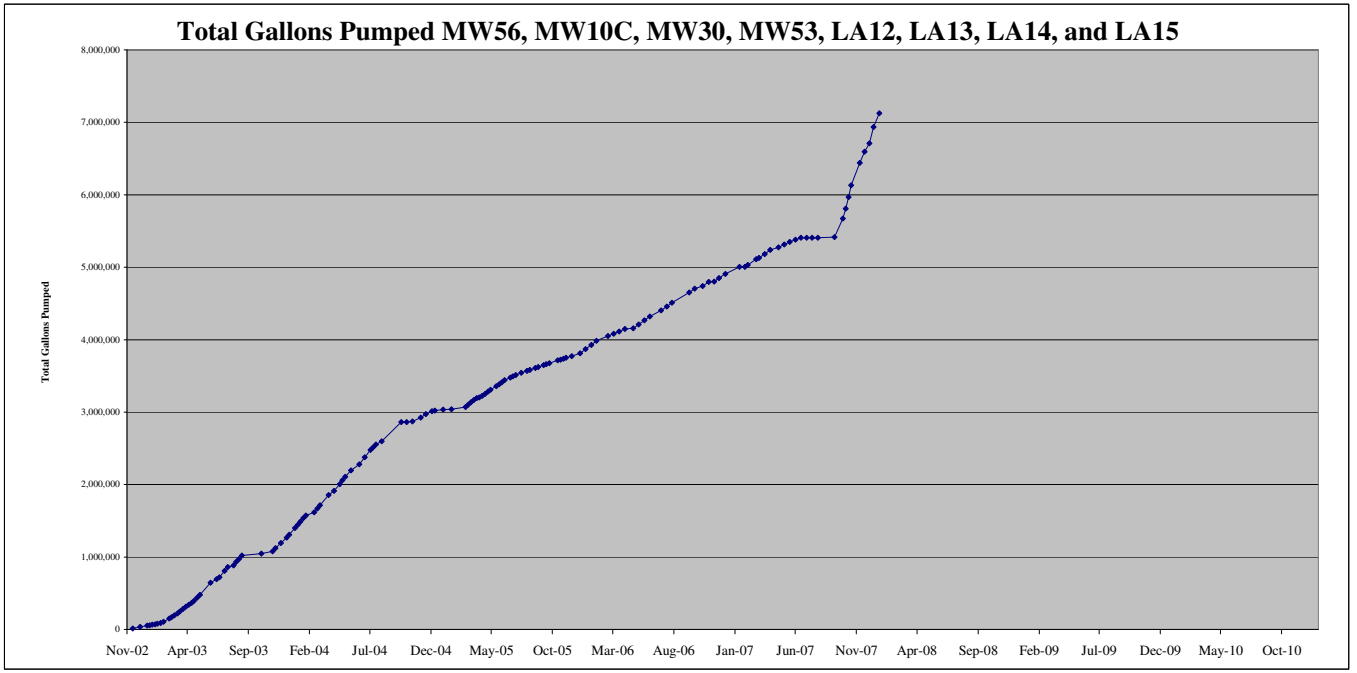
MW56, MW10C, MW30, MW53, LA12, LA13, LA14, and LA15				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
11/15/02	1.5	12,200	---	---
12/03/02	1.5	33,200	18	1,167
12/21/02	2	51,710	18	1,028
12/27/02	2	56,450	6	790
01/03/03	2	65,040	7	1,227
01/10/03	2	71,710	7	953
01/16/03	2	78,960	6	1,208
01/24/03	2	86,420	8	933
01/31/03	2.5	106,980	7	2,937
02/14/03	2.5	149,520	14	3,039
02/20/03	2.5	168,760	6	3,207
02/27/03	2.5	192,340	7	3,369
03/07/03	3	221,820	8	3,685
03/13/03	3	245,790	6	3,995
03/21/03	3	283,850	8	4,758
03/28/03	3	312,860	7	4,144
04/04/03	3	340,160	7	3,900
04/11/03	3	368,300	7	4,020
04/17/03	3	391,290	6	3,832
04/25/03	3	436,960	8	5,709
05/02/03	3	477,520	7	5,794
05/29/03	3	643,430	27	6,145
06/13/03	3	695,070	15	3,443
06/20/03	3	719,810	7	3,534
07/03/03	3	807,950	13	6,780
07/11/03	3	862,080	8	6,766
07/25/03	4	884,190	14	1,579

MW56, MW10C, MW30, MW53, LA12, LA13, LA14, and LA15				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
08/01/03	4	934,060	7	4,607
08/08/03	4	971,910	7	5,407
08/15/03	4	1,022,370	7	7,209
10/03/03	4	1,045,300	49	468
10/31/03	4	1,078,690	28	1,193
11/07/03	4	1,123,180	7	6,356
11/21/03	4	1,193,840	14	5,047
12/05/03	4	1,267,440	14	5,257
12/12/03	4	1,307,410	7	5,710
12/26/03	4	1,398,390	14	6,499
01/02/04	4	1,444,530	7	6,591
01/09/04	4	1,489,220	7	6,384
01/16/04	4	1,535,480	7	6,609
01/22/04	4	1,574,780	6	6,550
02/12/04	4	1,616,680	21	1,995
02/20/04	4	1,668,820	8	6,518
02/27/04	4	1,713,950	7	6,447
03/19/04	4	1,857,440	21	6,833
04/02/04	4	1,913,180	14	3,981
04/16/04	4	2,007,400	14	6,730
04/23/04	4	2,056,520	7	7,017
04/30/04	4	2,105,780	7	7,037
05/14/04	4	2,194,180	14	6,314
06/04/04	4	2,280,390	21	4,105
06/18/04	4	2,378,290	14	6,993
07/02/04	4	2,476,180	14	6,992
07/09/04	4	2,514,210	7	5,433

MW56, MW10C, MW30, MW53, LA12, LA13, LA14, and LA15				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
07/16/04	4	2,553,780	7	5,653
07/30/04	4	2,597,030	14	3,089
09/17/04	0	2,863,480	49	5,438
10/01/04	0	2,863,480	14	0
10/15/04	0	2,871,660	14	584
11/05/04	2	2,923,790	21	2,482
11/18/04	2	2,971,110	13	3,640
12/03/04	0	3,014,400	15	2,886
12/10/04	2	3,021,400	7	1,000
12/31/04	4	3,034,500	21	624
01/21/05	2	3,037,830	21	159
02/25/05	4	3,069,870	35	915
03/04/05	4	3,102,750	7	4,697
03/11/05	4	3,135,690	7	4,706
03/18/05	4	3,168,010	7	4,617
03/25/05	4	3,195,480	7	3,924
04/01/05	4	3,203,490	7	1,144
04/08/05	4	3,223,370	7	2,840
04/15/05	4	3,251,170	7	3,971
04/22/05	4	3,280,430	7	4,180
04/29/05	4	3,308,060	7	3,947
05/13/05	4	3,355,150	14	3,364
05/20/05	4	3,381,890	7	3,820
05/27/05	4	3,410,790	7	4,129
06/03/05	4	3,439,060	7	4,039
06/17/05	4	3,475,810	14	2,625
06/24/05	4	3,496,020	7	2,887

MW56, MW10C, MW30, MW53, LA12, LA13, LA14, and LA15				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
07/01/05	2	3,511,280	7	2,180
07/15/05	2	3,541,700	14	2,173
07/29/05	2	3,569,390	14	1,978
08/05/05	2	3,583,100	7	1,959
08/19/05	2	3,609,820	14	1,909
08/26/05	2	3,623,640	7	1,974
09/09/05	2	3,650,530	14	1,921
09/15/05	2	3,663,360	6	2,138
09/23/05	2	3,676,200	8	1,605
10/14/05	2	3,713,740	21	1,788
10/21/05	2	3,725,750	7	1,716
10/28/05	2	3,737,270	7	1,646
11/04/05	2	3,749,490	7	1,746
11/18/05	2	3,772,350	7	3,266
12/09/05	2	3,812,560	21	1,915
12/23/05	2	3,867,780	14	3,944
01/06/06	2	3,928,950	14	4,369
01/19/06	2	3,983,580	13	4,202
02/17/06	2	4,048,870	29	2,251
03/03/06	2	4,082,700	14	2,416
03/17/06	2	4,114,680	14	2,284
03/31/06	2	4,148,310	14	2,402
04/21/06	2	4,156,580	21	394
05/05/06	2	4,210,270	14	3,835
05/19/06	2	4,266,670	14	4,029
06/02/06	2	4,320,100	14	3,816
06/30/06	2	4,405,960	28	3,066

MW56, MW10C, MW30, MW53, LA12, LA13, LA14, and LA15				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
07/14/06	2	4,458,460	14	3,750
07/27/06	2	4,509,950	13	3,961
09/08/06	2	4,651,090	43	3,282
09/22/06	2	4,703,460	14	3,741
10/12/06	2	4,740,860	20	1,870
10/27/06	2	4,798,080	15	3,815
11/10/06	2	4,802,420	14	310
11/22/06	2	4,848,380	12	3,830
12/08/06	2	4,909,520	16	3,821
01/12/07	2	5,006,340	35	2,766
01/26/07	2	5,006,340	14	0
02/02/07	2	5,029,360	7	3,289
02/23/07	2	5,112,130	21	3,941
03/02/07	2	5,127,460	7	2,190
03/16/07	2	5,181,250	14	3,842
03/30/07	2	5,237,320	14	4,005
04/20/07	2	5,275,200	21	1,804
05/04/07	2	5,312,690	14	2,678
05/18/07	2	5,350,260	14	2,684
06/01/07	2	5,379,710	14	2,104
06/15/07	0	5,408,280	14	2,041
06/29/07	0	5,408,280	14	0
07/13/07	0	5,408,280	14	0
07/27/07	0	5,408,280	14	0
09/07/07	16	5,414,737	42	154
09/28/07	16	5,670,590	21	12,183
10/05/07	16	5,809,740	7	19,879

MW56, MW10C, MW30, MW53, LA12, LA13, LA14, and LA15				
Measurement Date	Flow Rate (GPM)	Total Gallons Pumped	Days Between Measurements	Gallons per Day
10/12/07	16	5,969,710	7	22,853
10/19/07	16	6,130,130	7	22,917
11/09/07	16	6,441,720	21	14,838
11/21/07	16	6,593,410	12	12,641
12/03/07	16	6,711,560	12	9,846
12/14/07	16	6,934,450	11	20,263
12/28/07	10	7,126,510	14	13,719

GPM - Gallons per minute