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DISSOLVED-PHASE PLUME DELINEATION INVESTIGATION FOR SITE 6

at

NAVAL CONSTRUCTION BATTALION CENTER
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ACRONYMS/ABBREVIATIONS

CA	contamination assessment
CPT	cone penetrometer testing
1,1-DCA	1,1-dichloroethane
1,1-DCE	1,1-dichloroethene
DNAPL	dense, nonaqueous-phase liquid
DRO	diesel range organics
EPA	Environmental Protection Agency
LDC	Laboratory Data Consultants, Inc.
LNAPL	light non-aqueous phase liquid
MCL	maximum contamination level
MDEQ	Mississippi Department of Environmental Quality
msl	mean sea level
MS/MSD	matrix spike/matrix spike duplicate
NCBC	Naval Construction Battalion Center
OCDD	octachlorodibenzodioxin
PCB	polychlorinated biphenyl
PVC	polyvinyl chloride
RPD	relative percent differences
SVOC	semivolatile organic compound
1,1,1-TCA	1,1,1-trichloroethane
3D	three-dimensional
TOC	total organic carbon
TPH	total petroleum hydrocarbons
TRG	target remediation goal
VOC	volatile organic compound

1.0 INTRODUCTION

1.1 Project Description and Objectives

This report summarizes field activities performed in March and April 2004 during the dissolved-phase plume delineation field investigation at Site 6, Naval Construction Battalion Center (NCBC) Gulfport in the city of Gulfport, Mississippi.

The three main objectives of the field investigation were the following:

- Identify the contaminants of concern in the source area by collecting groundwater samples from the site monitoring wells that are located within the light non-aqueous phase liquid (LNAPL) boundary.
- Delineate the extent of the dissolved-phase contamination
- Collect more information on the geology of the surficial aquifer and underlying silty-clay unit.

The field activities were performed as described in the *Work Plan for Delineation of the Dissolved-Phase Plume at Naval Construction Battalion Center Gulfport, Mississippi* (Battelle, 2003) and in the memorandum provided to the Navy point of contact (Cumming, 2004). The results of the field investigation are presented in this report, as well as recommendations for future groundwater monitoring. Results from the investigation and future sampling events will support development of an exit strategy for the site, including discontinuation of LNAPL removal activities and site closure.

1.2 Site Background

Site 6 is a former fire-fighting training area that was operational from 1966 to 1975. The location of the site is shown in Figure 1. As shown on Figure 2, the site is bounded by Building 383 and Fifth Street to the north, Colby Avenue to the west, Simms Avenue to the east, and Building 391 to the south. Drainage ditches are located along the western and northern boundaries; and, the site is grass-covered with the exception of a small parking lot located south of Building 383.

Various flammable liquids were used in two burn pits at the site. Up to 500,000 gallons of waste oils, solvents, paint thinners, and cleaning compounds are suspected to have been burned in the pits. The pits were backfilled with sand and gravel when fire-fighting training activities were concluded in 1975.

A trench interceptor recovery system was installed at Site 6 in 1995 to recover LNAPL. The system included a recovery trench located east of the drainage ditch on the east side of Colby Avenue and three recovery wells and associated pumps. The system was operated for approximately four years, until 1999. During the period of operation, the average LNAPL thickness in the extraction wells decreased by approximately 50% (TetraTech NUS, 2000). However, it was believed that the system was no longer an efficient or cost-effective method to recover the remaining LNAPL; and operation was discontinued.

In 2001, Battelle installed and began operating a vacuum-enhanced free-product recovery (bioslurper) system to extract the remaining recoverable LNAPL at the site. The installation and start-up of the bioslurper system were completed at the end of October 2001. From November 1, 2001, through May 16, 2003, the system has operated 8,400 hours and has recovered 1,900 gallons of LNAPL. The system was shut down for a period of four months while the groundwater table was high, inhibiting LNAPL recovery. The system was restarted on February 18, 2003 and operated until January 23, 2004. The system was shut down for a period of six months while the groundwater table was high and LNAPL thicknesses in site wells were minimal. The system was recently restarted on June 8, 2004 to extract remaining LNAPL at the site.

1.3 Previous Investigations

A map of Site 6, which shows the locations of groundwater monitoring wells installed during previous investigations, is presented in Figure 2. Three monitoring wells, GPT-6-1, GPT-6-2, and GPT-6-3 were installed and sampled as part of the Verification Study in 1987 (Harding Lawson Associates, 1987). No LNAPL was found during this study. During a subsequent site visit in October 1991, LNAPL was observed in GPT-6-1. Consequently, a contamination assessment (CA) that involved direct push groundwater sampling was completed in November 1993, followed by the addition of permanent monitoring wells. Groundwater monitoring wells that were installed as part of this effort included three shallow wells (GPT-6-4, GPT-6-6, and GPT-6-8), two deep wells (GPT-6-5 and GPT-6-7), and one recovery well (GPT-6-RW). Soil and groundwater samples were analyzed for organic and inorganic compounds including target compound list volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), organochlorine pesticides and polychlorinated biphenyls (PCBs), total petroleum hydrocarbons (TPH), and target analyte list inorganics (including cyanide). Soil and groundwater samples also were analyzed for chlorinated herbicides, total organic carbon (TOC) and polychlorinated dibenzo-furans and dioxins.

The results of the CA indicated that LNAPL and dissolved-phase contamination was present in groundwater collected between Building 383, Building 391, and Colby Avenue. It should be noted that the primary objective of the 1993 direct push investigation was to delineate the extent of the LNAPL. The delineation of the dissolved-phase plume and possible dense, nonaqueous-phase liquid (DNAPL) contamination was not addressed during this investigation. However, two deep wells (GPT-6-5 and GPT-6-7) which were constructed with screens on top of or in the silty-clay unit were installed during this investigation to monitor the vertical extent of the contamination. Based on an evaluation of the historical data, TPH, VOCs, and SVOCs were determined to be the contaminants of concern. Contamination appears to be limited to the surficial aquifer, with trace quantities of VOCs detected in the deeper wells (GPT-6-5 and GPT-6-7). The results of the CA were summarized in the CA report as follows (ABB-Environmental Services, 1994):

- A LNAPL plume extends nearly 170 ft north to south and 110 ft east to west. Groundwater flow is generally westward, except along the western edge where the gradients reversed, probably as a result of groundwater mounding near the ditch. This reversal of groundwater flow near the ditch may explain why further migration of the LNAPL plume did not occur. However, the magnitude of the mounding varies seasonally and with precipitation patterns.

- Groundwater sampling results confirmed the presence of VOCs and SVOCs. Trace amounts of octachlorodibenzodioxin (OCDD) were found in groundwater samples from two wells. Concentrations were below the federal maximum contamination level (MCL) for this compound. The inorganic constituents that may be present at concentrations of concern include chromium, lead, and iron. However, these inorganics appear to be present mainly in particulate form because filtered samples contained levels below the federal MCLs.

- Groundwater samples collected near the silty-clay unit did not contain any DNAPL contamination. This silty-clay unit may be a locally confining layer, but the extent of the silty-clay unit has not been confirmed by drilling or geophysical methods.

2.0 FIELD SAMPLING AND ANALYSIS

This section discusses the field work conducted in this investigation, including cone penetrometer testing (CPT) and soil sample collection using a Geoprobe. The investigation was performed to collect in situ

lithologic information across the site to determine the depth to the silty-clay unit and to verify it is presence. The Geoprobe also was used to collect groundwater samples above the silty-clay unit. Sampling and analysis of VOCs following U.S. Environmental Protection Agency (EPA) Method 8260, which have greater potential for migration relative to SVOCs, was used to define the extent of the dissolved phase plume. Groundwater samples were collected from temporary direct push locations both upgradient and downgradient of the LNAPL plume. Groundwater samples also were collected from permanent groundwater monitoring wells, which are located near the original source of the contamination, for analysis of VOCs by U.S. EPA Method 8260, SVOCs by U.S. EPA Method 8270, and TPH diesel range organics (DRO) by U.S. EPA Method 8015. Figure 3 presents the CPT and Geoprobe locations, as well as the locations of the groundwater monitoring wells that were sampled during this investigation. Table 1 provides a summary of the CPT and Geoprobe locations and total depths.

2.1 CPT and Geoprobe Investigation

A total of seven complete CPT pushes were performed to collect continuous subsurface lithologic data and to delineate the extent of the silt-clay layer (Table 1). The CPT typically consists of: (1) an enclosed 20- to 40-ton truck equipped with vertical hydraulic rams that are used to force a sensor probe into the ground, (2) a data acquisition, processing, and data storage computer system, and (3) electronic signal processing equipment. The cone penetrometer rod has a conical tip of up to 2 inches in diameter. It is pushed hydraulically into the ground with a maximum pressure of 80,000 pounds. As the rod progresses into the ground, a computer reads data from sensors located in both the tip and the side of the probe. A variety of instruments can be used with the probe to make in-situ measurements such as blow counts, relative density, friction angle, tip stress and pore pressure. The CPT provides an interpretation of these measurements and the corresponding soil lithologies as the sensor probe is advanced.

The real time CPT data was used to determine the depth intervals for collecting the grab groundwater samples. CPT pushes were only performed at seven locations due to multiple mechanical breakdowns. A partial CPT push was completed at CPT-1A; however, the CPT could not complete the push to the desired depth. When the CPT was operational, the field geologist determined the depth of the silty-clay layer from the CPT electronic log and selected the direct-push groundwater sampling intervals. The electronic CPT data file for CPT/GP5 was inadvertently deleted due to a computer error during the field effort and could not be retrieved. However, field notes collected during the CPT push at CPT/GP5 recorded the depth to the silt-clay layer, which was used to determine the groundwater sample intervals. At each CPT location, once the CPT cone reached the silt-clay layer, it was advanced 8 to 10 ft into the silt-clay layer to determine its thickness. The silt-clay layer was partially penetrated at CPT/GP4 where the layer was only 8 ft thick.

To evaluate the accuracy of the real-time CPT data, a confirmation test was conducted at CPT1 in which the CPT lithologic interpretation was compared against the visual observation of the soil samples at GP1, which were logged by hand. The CPT could not access the location immediately adjacent to GP1; therefore, the rig was placed as close as possible to the Geoprobe location (approximately 30 ft). The observations of the hand-logged soils agreed with the CPT lithologic interpretation; therefore, a decision was made to use the CPT data to establish the depth to the silty-clay layer and groundwater sampling depths at these locations.

Groundwater samples were collected from two depth intervals, a shallow interval approximately 10 to 14 ft bgs and a deeper interval directly above the silt-clay layer approximately 20 to 25 feet bgs (Table 2). To collect groundwater samples, the Geoprobe advances a series of hollow stainless-steel rods to the desired sample depth. The rods are then retracted, exposing a 2- to 3-ft section of screen in the lead rod. Groundwater entering the rod chain through the screened interval is collected for analysis using new polyethylene tubing and a peristaltic pump. Originally, three sample depth intervals within the surficial

aquifer above the silt-clay layer were planned (i.e., 11 ft bgs, 21 to 26 ft bgs, and 35 to 45 ft bgs). However, the top of the silt-clay layer occurred between 26 and 29 ft; therefore, the deepest sample interval was omitted. One exception includes Geoprobe Point CPT/GP7, which had samples collected at three intervals (10-15, 20-25, 35-40). Another exception includes Geoprobe point CPT/GP1A, at which only one sample interval was sampled (21-25 ft bgs) because of its proximity to existing groundwater monitoring wells GPT-06-07 (screened from 42 to 47 ft bgs) and GPT-06-06 (screened from 4 to 14 ft bgs).

Groundwater samples were sent to a local analytical laboratory for rapid turnaround to quickly determine whether VOCs were present at the sampled location, or if the location was outside the limits of the dissolved-phase plume. Groundwater samples were collected at locations surrounding the site until results of the groundwater samples indicated that the maximum extent of the dissolved-phase plume had been defined. All push-holes created by the CPT and Geoprobe were grouted upon completion of the field activities.

2.2 Groundwater Monitoring Well Sampling

Groundwater samples were collected from permanent groundwater monitoring wells at Site 6 and analyzed for VOCs by U.S. EPA Method 8260, SVOC by U.S. EPA Method 8270, and TPH by U.S. EPA Method 8015 (Table 2). Monitoring wells were sampled following purging of a minimum of three well volumes or until water quality parameters had stabilized. The following steps summarize the procedures utilized for purging the well, determining when water-quality parameters have stabilized, and collecting groundwater samples:

- The well cap was removed from each monitoring well.
- After the well had equilibrated, the groundwater level was measured to the nearest 0.01 foot using a decontaminated oil/water interface probe from a marked survey point on top of the casing.
- New or decontaminated polyethylene tubing was lowered into the well slowly to minimize disturbance of the well water. The tubing inlet was situated at approximately the midpoint of the well screen.
- The surficial end of the tubing was attached to a length of silicone tubing sufficient for placement within the peristaltic pump.
- If LNAPL was present in a monitoring well, a piece of 1-inch-diameter new polyvinyl chloride (PVC) pipe was placed down the well with the bottom end covered in plastic wrap. The sample was collected by placing the polyethylene tubing down the PVC pipe and punching through the plastic wrap.
- Temperature, dissolved oxygen, turbidity, pH, and electrical conductivity were measured using a calibrated field instrument at the outset of purging and then at regular intervals. Purging continued until the water quality parameters had stabilized. No more than five well volumes were purged.
- Wearing new, clean and chemical-resistant gloves, the appropriate sample bottles were filled from the sample pump outlet line while an approximate flowrate of 0.5 liter/minute or less was maintained.

- Samples were then placed on ice and maintained at approximately 4°C until the laboratory courier picked them up.

3.0 RESULTS

This section discusses the results of the field work performed including the hydrogeology and chemical analysis results.

3.1 Hydrogeology

The results of the groundwater elevation and LNAPL thickness measured in the groundwater monitoring wells are presented in Table 3. This data was used to create a potentiometric surface map (Figure 4). LNAPL thickness measurements also were collected from the bioslurper extraction wells that are located throughout the site; the LNAPL thickness measured in each well is shown Figure 4. As shown in this figure, the groundwater flow is to the northwest. LNAPL thickness varied from 0 to 0.65 ft. The LNAPL plume covers an area of 12,200 sq ft and has a maximum length of approximately 157 linear ft and maximum width of 124 linear ft.

The CPT-interpretive logs agreed with the visual observations made from soil samples collected with the Geoprobe. Lithologic observations were made in the field in hand samples at all Geoprobe locations (except GP12) and on the CPT log printouts. Individual CPT log printouts showing the lithological interpretation are presented in Appendix A. A copy of the confirmatory boring log for GP1 also is presented in Appendix A. The site lithology appeared to be very similar at all soil sampling locations. The presence of coarse sand to gravelly sand marked the transition from the overlying sand to the top of the silt-clay layer. The silt-clay layer is continuous across the site and occurs approximately 26 to 29 ft bgs. The minimum thickness is approximately 8 to 15 feet and varies in lithology from a clayey silt to silty clay to clay, and in some cases, a fat clay or organic clay. The silt-clay layer was partially penetrated at CPT/GP4 where it was only 8 ft thick. Table 4 shows the depths to the top of the silt-clay layer gathered from the CPT and Geoprobe data and the elevation relative to mean sea level (msl). A three-dimensional (3D) surface of the silt-clay unit generated from the recent collected data using EarthVision™ geospatial moedeling software is presented in Figure 5. As shown in this figure, the surface is fairly flat with small depressions and mounds. Historical soil boring logs from the permanent groundwater monitoring wells showed a general agreement with the recent observations, with a depth of the silty-clay unit within 5 feet of the depth that was observed during this field investigation. However, the soil boring log for the deep monitoring well GPT-6-7 indicated that the depth to the silty-clay unit was 47 ft bgs in the vicinity of this well. This observation does not agree with the soil samples collected at nearby GP1A, which indicated that the depth of the silty-clay unit is at 26 ft bgs. Therefore, the historical data was not used when creating Figure 5.

3.2 Chemicals of Concern in Groundwater

The groundwater analytical results are summarized in Table 5 and are shown on Figure 6. Only the chemicals detected are shown in the table and figure; all other chemicals were not detected above the method detection limits. The complete set of analytical data can be found in the analytical laboratory reports, which are included in Appendix B. At four locations, a few VOCs were detected, including acetone and 2-butanone (GP7 at 40 ft); 1,1-dichloroethane (1,1-DCA) (GP1 at 10 ft); 1,1-dichloroethene (1,1-DCE) (GP9 at 15 ft); and 1,1-DCA and 1,2-DCE (GP3 at 25 ft). The majority of the groundwater samples collected with the Geoprobe were clean, indicating that the dissolved phase plume extends up to 120 ft downgradient of the leading edge of the LNAPL plume (Figure 6). The dissolved phase plume

covers an area of 33,435 sq ft and has a maximum length of approximately 244 linear ft and maximum width of 239 linear ft.

The analytical results were compared with the federal MCLs (Table 5). If no federal MCL existed for the contaminant of concern, the result was compared to the Mississippi Department of Environmental Quality (MDEQ) Brownfields Voluntary Action and Redevelopment Program Tier 1 target remediation goals (TRGs). The Tier 1 lookup table is used to compare site-specific chemical data to the TRGs without performing a more in-depth evaluation of site-specific parameters. At GP9, 1-1-DCE was detected at a concentration slightly above the federal MCL of 7 µg/L (7.93 µg/L). Acetone and 2-butanone concentrations, which were detected in GP7, were below the Tier 1 TRG level (Table 5).

The analytical results for chemicals detected in the groundwater samples collected from the permanent monitoring wells are summarized in Table 6 and are shown on Figure 6. Water quality parameters measured during purging are presented in Table 7. The laboratory analytical reports are included in Appendix B. VOCs (i.e., acetone; chloroethane; 1,1-DCA; 1,1-DCE; ethylbenzene; naphthalene (8260); toluene; 1,1,1-trichloroethane [1,1,1-TCA]; 1,2,4-trimethylbenzene; vinyl chloride; o-xylene; and m&p-xylene), SVOCs (i.e., naphthalene and 2-methynaphthalene), and TPH as DRO were detected in some of the monitoring wells. All other chemicals were not detected above the method detection limits. The highest chemical concentrations appeared in shallow wells GPT-6-4 and GPT-6-8, which are screened from 2.5 ft to 12.5 ft bgs. These wells are located within or near the source areas (inferred burn pit locations are shown in Figure 6). The deep monitoring wells (GPT-6-5 and GPT-6-7) did not contain any chemicals above the method detection limits.

Cross sections were made using the lithologic and chemical data generated during this field investigation. Figure 7 presents a cross section location map. Figures 8 through 10 present cross sections A-A', B-B', and C-C', respectively. As shown in these figures, groundwater contamination was found at varying depths within the surficial aquifer. For example, near the source area at GPT-6-4 and GPT-6-5, groundwater contamination was detected only in the shallow well. At two other downgradient direct push locations (i.e., GP1 and GP9), VOCs also were observed in the shallow interval, but not in the deeper interval. However, at two downgradient direct push locations GP3 and GP7, VOCs were observed in the deep interval but not in the shallower intervals.

Figure 11 presents a comparison of sampling results collected during the 1993 investigation (ABB-ES, 1994) to the recent sampling results of the groundwater monitoring wells. As shown in this figure, the chemical concentrations have decreased significantly. The reduction in groundwater contamination is attributed to the source removal activities described in Section 1.2.

3.2.1 Data Validation

Data validation was conducted on laboratory analytical results for VOCs, SVOCs, and TPH by Laboratory Data Consultants, Inc. (LDC) of Carlsbad, California. Data validation was conducted as described in the Work Plan for Delineation of the Dissolved-Phase Plume at Naval Construction Battalion Center Gulfport, Mississippi (Battelle, 2003). Data were validated at 90% U.S. EPA Level III and 10% U.S. EPA Level IV.

Data validation was performed in accordance with the following documents, as applicable to U.S. EPA SW 846 Method 8260B for volatiles:

- 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

- U.S. EPA, Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999.

Data qualifiers were assigned to the analytical results during the data validation process and were noted in analytical results submitted by the laboratory, which are attached to each data validation report. All data were considered usable for the intended purposes, taking into account the following qualifiers:

- "J" (an estimated value)
- "U" (nondetected)
- "N" (presumptive evidence of presence of the constitute)
- "UJ" (nondetected. But the sample detection limit is an estimated value)
- "R" (data is not usable).

Data validation reports were reviewed by Battelle. The data validation reports and support documentation are included in Appendix C. Chemicals, including 4-methyl-2-pentanone, dichlorodifluoromethane, 2-chloroethylvinyl ether, were flagged with a "J" or "UJ" due to continuing calibration percent differences (%D) exceeding the 20% limit. The matrix spike/matrix spike duplicate (MS/MSD) sample was reviewed for each matrix as applicable and all percent recoveries and relative percent differences (RPD) were within the acceptable range except 2-hexanone, which was flagged with a "J." Laboratory control samples percent recoveries and RPD were within quality control limits, with the exception of 4-nitrophenol, N-nitrosodimethylamine, and phenol. None of the chemicals mentioned above were detected in any of the samples.

The holding time was not met for EPA Method 8015 (TPH-DRO) in the GPT-6-4-2004 duplicate sample. However, the holding time for the GPT-6-4-2004 sample was met. Also, several chemicals including vinyl chloride, toluene, 1,1-DCE, m,p-xylenes, o-xylenes, and 1,2,4-trimethylebenzene did not meet the RPD of 25% for the duplicate sample. As a conservative measure, the higher detected concentration was used in the tables and figures.

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

The following is a summary of observations made during the field investigation:

- LNAPL thickness varied from 0 to 0.65 ft. The LNAPL plume covers an area of 12,200 sq ft and has a maximum length of approximately 157 linear ft and maximum width of 124 linear ft.

- The CPT-interpretive logs agreed with the visual observations made from soil samples collected with the Geoprobe. At all soil sampling locations, the site lithology appeared to be very similar. The presence of coarse sand to gravelly sand marked the transition from the overlying sand to the top of the silt-clay layer. The silt-clay layer is continuous across the site and occurs at a depth of approximately 26 to 29 ft bgs. The minimum thickness is approximately 8 to 15 feet thick and varies in lithology from a clayey silt to silty clay to clay, and in some cases, a fat clay or organic clay.

- The following contaminants were found at levels above either the Federal MCL or the Level 1 TRG: chloroethane , 1,1-DCE, naphthalene, 1,2,4-trimethylbenzene, vinyl chloride, and TPH

(DRO). The dissolved phase plume covers an area of 33,435 sq ft and has a maximum length of approximately 244 linear ft and maximum width of 239 linear ft.

- Within the boundaries of the LNAPL plume, contaminants are present in the shallow permanent wells and absent in the deep wells. Downgradient from the LNAPL plume, contaminants were detected at low concentrations at multiple depths, including shallow depths (6 to 10 ft bgs), immediately above the silt-clay layer (22 to 25 ft), and within the silt-clay layer as deep as 40 ft.

- Overall, the contaminant concentrations at permanent groundwater monitoring wells have decreased significantly when compared to the 1993 investigation.

4.2 Recommendations

4.2.1 Installation of Additional Monitoring Wells

The dissolved phase plume extends beyond the boundaries of the present-day monitoring well network. In order to monitor changes in chemical concentrations at the leading edge of the dissolved phase plume, three monitoring well clusters are recommended (see Figure 12). One well should be installed adjacent to GPT-6-PZ4 (which is screened 5 to 15 ft bgs) and screened from 20 to 30 ft, bgs to form one well cluster. A second well cluster (with two wells screened 5 to 15 ft bgs and 20 to 30 ft bgs) is recommended at the leading edge and a third well cluster (with two wells screened from 5 to 15 ft bgs and 20 to 30 ft bgs) should be placed adjacent to the CPT-1 location. The wells should be installed as described in the work plan for the dissolved-phase plume delineation (Battelle, 2003).

4.2.2 Sampling Schedule

The next groundwater monitoring event is planned for July 2004. Any additional groundwater monitoring wells should be installed and developed prior to this sampling event so that the data from these points may be included with the monitoring report. In addition to sampling for VOCs, SVOCs, and TPH, natural attenuation indicator parameters will be monitored. Natural attenuation indicator parameters would include ethene, ethane, methane, nitrate, sulfate, ferrous iron, manganese, alkalinity, sulfide, temperature, dissolved oxygen, oxidation reduction potential, pH, and conductivity.

4.2.3 Site Closeout Strategy

The MDEQ will be consulted for developing target remediation goals for LNAPL and for groundwater contamination concentrations. If required by the MDEQ, a more in-depth Tier 2 evaluation might be performed to develop site-specific remediation goals or to better define site-specific data that can be used for a Tier 1 Evaluation. It is recommended to continue to sample the groundwater monitoring wells every six months to one year during LNAPL removal activities. The results will be evaluated for changes in chemical concentrations, which may be used to gauge the effectiveness of the source LNAPL removal activities on meeting the target remediation goals.

LNAPL will continue to be removed to the maximum extent practicable. The endpoint for LNAPL removal includes consideration of both the volume of LNAPL recovered each month and the cost to operate the bioslurper system. When it is no longer cost effective to operate the bioslurper system will be shut down and a monitoring and bailing program is initiated. During this time, site wells are periodically checked for LNAPL and any LNAPL is removed from the wells.

Groundwater sampling will continue until the site meets its target remediation goals. After the bioslurping system is shut down at the site, the groundwater sampling frequency should be reduced to an

annual or biannual basis. Once the groundwater contaminant concentrations have met the Tier TRGs or the established Tier 2 remediation goals, an agreement to closeout the site should be pursued with the regulators. If a downward trend in groundwater contaminant concentrations is observed, groundwater sampling may also be discontinued.

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TetraTech NUS, Inc. 2000. Draft Letter Report of Findings NCBC Gulfport – Site 6. Prepared for Southern Division Naval Facilities Engineering Command under CLEAN contract No. N62467-94-D0888, Contract Task Order No. 0125.

TABLES

TABLE 1. CPT AND GEOPROBE™ LOCATIONS

CPT/Geoprobe Location	Northing	Easting	Surface Elevation (ft)	Total Depth (ft)
CPT1A	318001.649	888756.815	27.84	10 (CPT) 30 (Geoprobe)
CPT1	318203.635	888738.461	28.87	39
GP1	318171.610	888738.505	24.59	40
CPT/GP2	318219.228	888656.217	28.25	38
CPT/GP3	318108.026	888658.132	28.22	39
CPT/GP4	317994.373	888657.530	28.14	35
CPT/GP5	317885.557	888655.035	28.16	34
CPT/GP6	318209.808	888788.304	29.24	43
CPT/GP7	318104.141	888758.800	27.61	46
GP8	318265.015	888700.473	29.23	30
GP9	318145.645	888699.297	28.84	30
GP10	318146.918	888842.995	29.28	35
GP11	318152.587	888559.167	27.33	30
GP12	318051.027	888560.204	28.00	NA
GP13	317950.369	888817.369	28.49	40
GP14	317930.266	888742.232	25.53	30
GP15	317959.849	888899.892	28.60	30
GP16	318046.796	888909.682	27.96	30

State plane coordinates NAD 83 (1993 Adjustment)

NA = Not applicable. Soil samples were not collected at this location.

TABLE 2. SUMMARY OF GEOPROBE LOCATIONS, SAMPLING DEPTH, AND ANALYSES PERFORMED

Location	Sample ID	Sample Interval (ft, bgs)	Analysis Requested
GP1	GP1-2004-010	6-10	VOCS
	GP1-2004-024	20-24	VOCS
GP-1A	GP1A-2004-025	21-25	VOCS
GP2	GP2-2004-014	10-14	VOCS
	GP2-2004-025	22-25	VOCS
GP3	GP3-2004-014	10-14	VOCS
	GP3-2004-025	23-25	VOCS
GP4	GP4-2004-014	10-14	VOCS
	GP4-2004-025	23-25	VOCS
GP5	GP5-2004-014	10-14	VOCS
	GP5-2004-025	23-25	VOCS
GP6	GP6-2004-014	10-14	VOCS
	GP6-2004-025	23-25	VOCS
GP7	GP7-2004-015	11-15	VOCS
	GP7-2004-025	21-25	VOCS
	GP7-2004-040	36-40	VOCS
GP8	GP8-2004-015	11-15	VOCS
	GP8-2004-025	21-25	VOCS
GP9	GP9-2004-015	11-15	VOCS
	GP9-2004-025	21-25	VOCS
GP10	GP10-2004-015	11-15	VOCS
	GP10-2004-025	21-25	VOCS
GP11	GP11-2004-014	10-14	VOCS
	GP11-2004-024	20-24	VOCS
GP12	GP12-2004-014	10-24	VOCS
	GP12-2004-024	20-24	VOCS
GP13	GP13-2004-014	11-14	VOCS
	GP13-2004-025	21-25	VOCS
GP14	GP14-2004-012	8-12	VOCS
	GP14-2004-022	18-22	VOCS
GP15	GP15-2004-014	10-14	VOCS
	GP15-2004-024	21-24	VOCS
GP16	GP16-2004-014	10-14	VOCS
	GP16-2004-024	21-24	VOCS
GPT-6-1	GPT-6-1-2004	3-27.5	VOCS, SVOC, TPH DRO
GPT-6-2	GPT-6-2-2004	3-22	VOCS, SVOC, TPH DRO
GPT-6-3	GPT-6-3-2004	3-22	VOCS, SVOC, TPH DRO
GPT-6-4	GPT-6-4-2004	2.5-12.5	VOCS, SVOC, TPH DRO
GPT-6-5	GPT-6-5-2004	26.5-31.5	VOCS, SVOC, TPH DRO
GPT-6-6	GPT-6-6-2004	2.5-12.5	VOCS, SVOC, TPH DRO
GPT-6-7	GPT-6-7-2004	39.5-44.5	VOCS, SVOC, TPH DRO
GPT-6-8	GPT-6-8-2004	2.5-12.5	VOCS, SVOC, TPH DRO
GPT-PZ-4	GPT-PZ-4-2004	5-15	VOCS, SVOC, TPH DRO

TABLE 3. DEPTH TO GROUNDWATER AND LNAPL THICKNESSES IN SITE 6 MONITORING WELLS

Well ID	TOC Elevation (ft, msl)	DTP (ft, btoc)	DTW (ft, btoc)	DTW (ft, msl)	Corrected DTW(1) (ft, msl)	LNAPL Thickness (ft)
GPT-6-1	31.17	--	7.93	23.24	23.24	0.0
GPT-6-2	31.35	--	7.95	23.40	23.40	0.0
GPT-6-3	27.59	--	4.55	23.04	23.04	0.0
GPT-6-4	31.94	sheen	7.8	24.14	24.14	0.0
GPT-6-6	29.6	6.45	6.46	23.14	23.15	0.01
GPT-6-8	30.98	7.7	7.71	23.27	23.28	0.01

(1) Corrected DTW = TOC Elevation – ((1 - 0.81)*DTW + (0.81*DTP))
DTP = Depth to product
DTW = Depth to water
LNAPL = light non-aqueous phase liquid
TOC = Top of casing

TABLE 4. SOIL SAMPLING RESULTS

Location	Elevation of location (ft, msl)	Depth to Silt-Clay Layer	Elevation of Silt-Clay Layer (ft, msl)	Sample Interval	Notes
CPT1A	27.84	26	1.84	25-30	See Appendix A-1 (CPT) Clean sand 25' Fatty clay 30'
CPT1	28.87	29	-0.13	NS	See Appendix A-1
GP1	24.59	25	-0.41	0-40	See Boring Log
CPT2/GP2	28.25	26	2.25	NS	See Appendix A-1
CPT3/GP3	28.22	27	1.22	NS	See Appendix A-1
CPT4/GP4	28.14	26	2.14	NS	See Appendix A-1
CPT5/GP5	28.16	26	2.16	NS	See Appendix A-1
CPT6/GP6	29.24	29	0.24	NS	See Appendix A-1
CPT7/GP7	27.61	29	-1.39	NS	See Appendix A-1
GP8	29.23	28	1.23	25-30	med-coarse sand at 25'
GP9	28.84	28	0.84	25-30	clean coarse sand 25-28'
GP10	29.28	29	0.28	25-30 30-35	Silty clay 29-35'
GP11	27.33	26	1.33	25-30	Silty clay 26-30'
GP12	28.00	NA	NA	NA	Geoprobe sampler inoperable
GP13	28.49	ND	-0.51	31-35 35-40	Clayey sand 31-33' Silty clay 33-34' Clean, coarse sand 34-34.5' Sandy clay 34.5-35' Clayey sand 35-39' Fatty clay 39-40'
GP14	25.53	26	-0.47	25-30	No sample recovery
GP15	28.60	27	1.60	25-30	Sandy clay 27-29' Fatty clay 29-30'
GP16	27.96	25	2.96	20-25 25-30	Clean med-coarse sand 20-25' Silty clay – fatty clay 25-30'

NA = Not Available
NS = Not Sampled
ND = Not determined

TABLE 5. CHEMICALS DETECTED IN GEOPROBE GROUNDWATER SAMPLES

Parameter/Sample ID	GP1-2004-010	GP3-2004-025	GP7-2004-040	GP9-2004-15	Units	MDL	Federal MCL	Tier 1 TRG
Depth Interval (ft bgs)	**6-10**	**23-25**	**36-40**	**11-15**				
1,1-Dichloroethane	7.7	5.59	ND	ND	µg/L	5	NA	798
1,1-Dichloroethene	ND	6.31	ND	**7.93**	µg/L	5	7	7
Acetone	ND	ND	86.3	ND	µg/L	50	NA	608
2-Butanone	ND	ND	21	ND	µg/L	20	NA	1,910

Shading indicates concentration exceeds the federal MCL.
MCL = maximum contaminant level
MDL = method detection limit
TRG = target remediation goal

TABLE 6. CHEMICALS DETECTED IN SMAPLES FROM GROUNDWATER MONITORING WELLS

Parameter	US EPA Method	GPT-6-4-2004	GPT-6-4-2004 DUP	GPT-6-5-2004[1]	GPT-6-7-2004[1]	GPT-6-6-2004	GPT-6-1-2004	Units	MDL	Federal MCL	Tier 1 TRG
Acetone	8260B	ND	ND	ND	ND	52	ND	µg/L	50	NA	608
Chloroethane	8260B	**179**	**202**	ND	ND	ND	ND	µg/L	5	NA	3.64
1,1-Dichloroethane	8260B	49.8	56.1	ND	ND	ND	ND	µg/L	5	NA	798
1,1-Dichloroethene	8260B	ND	**10.5**	ND	ND	ND	ND	µg/L	5	7	7
Ethylbenzene	8260B	ND	ND	ND	ND	ND	ND	µg/L	5	700	700
Naphthalene	8260B	**11.8**	**13.6**	ND	ND	**21.6**	ND	µg/L	10	NA	6.2
Toluene	8260B	5.18	6.78	ND	ND	ND	ND	µg/L	5	1,000	1,000
1,1,1-Trichloroethane	8260B	10.2	11.6	ND	ND	ND	ND	µg/L	5	200	200
1,2,4-Trimethylbenzene	8260B	ND	**12.7**	ND	ND	ND	ND	µg/L	5	NA	12.3
Vinyl Chloride	8260B	**49.2**	**64.7**	ND	ND	ND	ND	µg/L	5	2	2
o-Xylene	8260B	ND	6.39	ND	ND	6.78	ND	µg/L	5	10,000	12,200
m&p-Xylene	8260B	ND	8.69	ND	ND	ND	ND	µg/L	5	10,000	12,200
2-Methylnaphthalene	8270C	ND	ND	ND	ND	ND	ND	µg/L	10	NA	122
Naphthalene	8270C	ND	ND	ND	ND	ND	ND	µg/L	10	NA	6.2
TPH (DRO)	8015	**0.69**	0.61	ND	ND	**1.16**	**1.78**	mg/L	0.5	NA	0.65
Parameter	**US EPA Method**	**GPT-6-2-2004**	**GPT-6-8-2004**	**GPT-6-3-2004**	**GPT-6-PZ4**	**FB-2004**	**RB-2004**	**Units**	**MDL**	**Federal MCL**	**Tier 1 TRG**
Acetone	8260B	ND	53.5	ND	ND	ND	ND	µg/L	50	NA	608
Chloroethane	8260B	ND	ND	ND	ND	ND	ND	µg/L	5	NA	3.64
1,1-Dichloroethane	8260B	ND	ND	ND	ND	ND	ND	µg/L	5	NA	798
1,1-Dichloroethene	8260B	ND	ND	ND	ND	ND	ND	µg/L	5	7	7
Ethylbenzene	8260B	ND	6.85	ND	ND	ND	ND	µg/L	5	700	700
Naphthalene	8260B	ND	**107**	ND	ND	ND	ND	µg/L	10	NA	6.2
Toluene	8260B	ND	ND	ND	ND	ND	ND	µg/L	5	1,000	1,000
1,1,1-Trichloroethane	8260B	ND	ND	ND	ND	ND	ND	µg/L	5	200	200
1,2,4-Trimethylbenzene	8260B	ND	**21.9**	ND	ND	ND	ND	µg/L	5	NA	12.3
Vinyl Chloride	8260B	ND	ND	ND	ND	ND	ND	µg/L	5	2	2
o-Xylene	8260B	ND	24.7	ND	ND	ND	ND	µg/L	5	10,000	12,200
m&p-Xylene	8260B	ND	7.29	ND	ND	ND	ND	µg/L	5	10,000	12,200
2-Methylnaphthalene	8270C	ND	23.3	ND	ND	ND	ND	µg/L	10	NA	122
Naphthalene	8270C	ND	**24.7**	ND	ND	ND	ND	µg/L	10	NA	6.2
TPH (DRO)	8015	ND	**3.08**	ND	ND	ND	ND	mg/L	0.5	NA	0.65

(1) Well screened at deep interval.
Shading indicates that concentration exceeds the federal MCL or Tier 1 TRG

TABLE 7. FIELD PARAMETER MEASUREMENTS DURING GROUNDWATER SAMPLING

Monitoring Well ID	Total Volume Recovered (gallons)	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)
GPT6-1	3	5.75	0.119	1.4	1.91	20.2
	6	5.73	0.107	-3.2	0.97	20.9
	9	5.62	0.096	-3.2	1.89	20.7
	12	5.68	0.093	-4.08	2.51	21.8
	14.5	5.61	0.089	-3.8	1.77	21.0
GPT6-2	3	5.48	0.055	106	6.21	20
	6	5.10	0.055	217	3.06	20.3
	9	4.94	0.055	870	2.08	20.4
	12	4.74	0.055	702	4.07	20.5
GPT6-3	2.6	5.34	0.051	35.2	3.91	21.4
	5.1	5.26	0.054	15.2	4.72	21.6
	7.7	5.16	0.058	7.6	5.45	21.2
GPT6-4	1.5	6.92	0.534	1	4.18	19.4
	3	7.13	0.470	6.6	4.53	18.7
	4.5	6.72	0.52	7.4	2.9	18.9
	6	6.93	0.498	4.9	9.8	19.4
GPT6-5	4.5	5.47	0.072	63.6	3.11	23
	8.9	5.51	0.074	-1.7	4.71	22.9
	13.4	5.53	0.074	-1.9	2.85	23
GPT6-6	1.5	6	0.124	3.7	2.31	19.9
	3	6.25	0.095	4.7	1.87	19.7
	4.5	6.3	0.083	2.9	4.98	19.7
	6	6.7	0.078	3.2	4.6	20
GPT6-7	5	6.07	0.074	597	4.84	23.5
	10	5.94	0.074	897	4.8	23.7
GPT6-8	3	6.11	0.136	-4.4	0.59	19.1
	6	6.11	0.135	-2.1	1.28	19.0
	9	6.12	0.130	-2.7	0.87	18.9
GPT6-PZ4	3	6.83	0.184	9.3	8.1	20.1
	6	6.79	0.182	6.4	6.39	20.3
	9	6.80	0.180	8.3	8.92	20.6

FIGURES

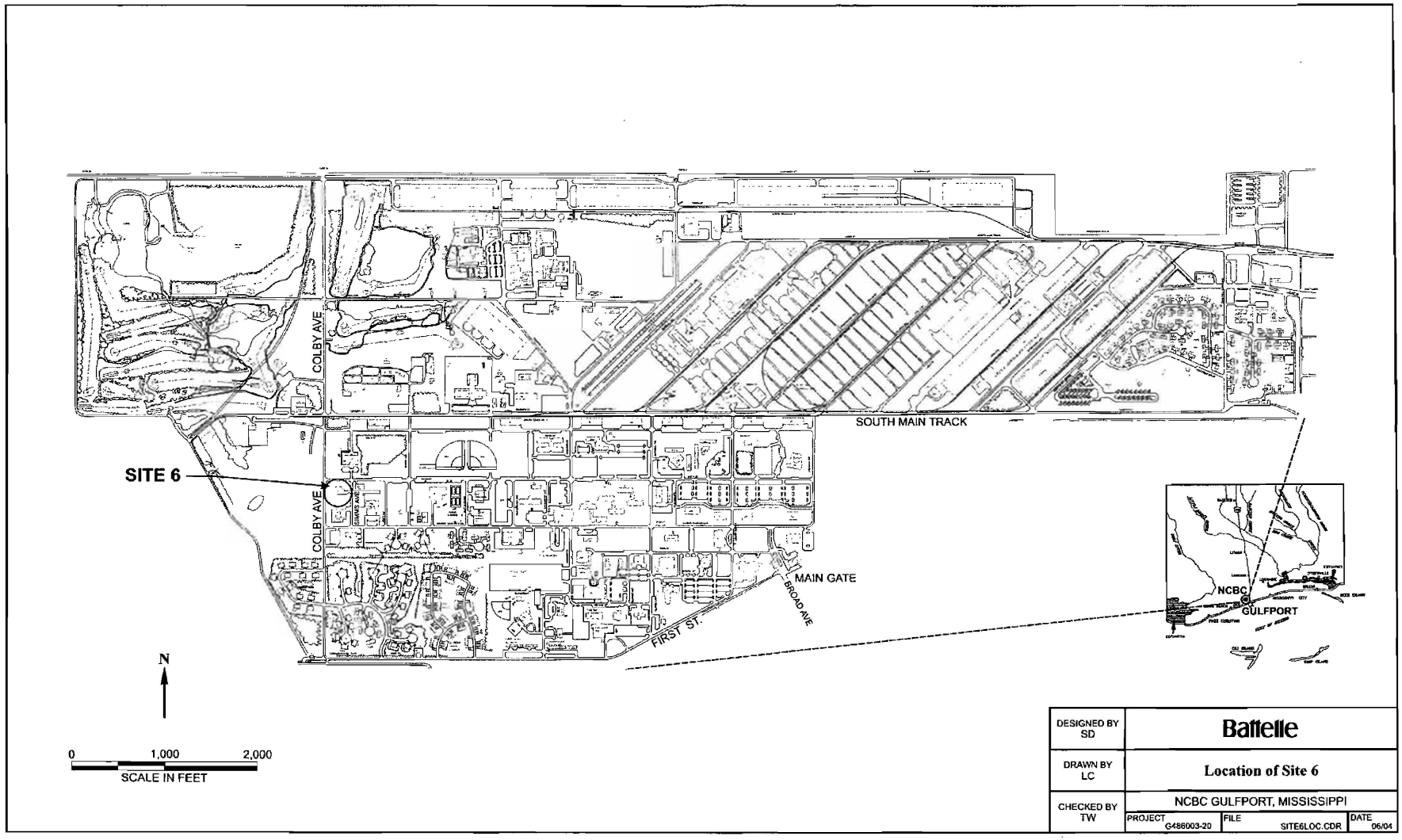

Figure 1. Location of Site 6

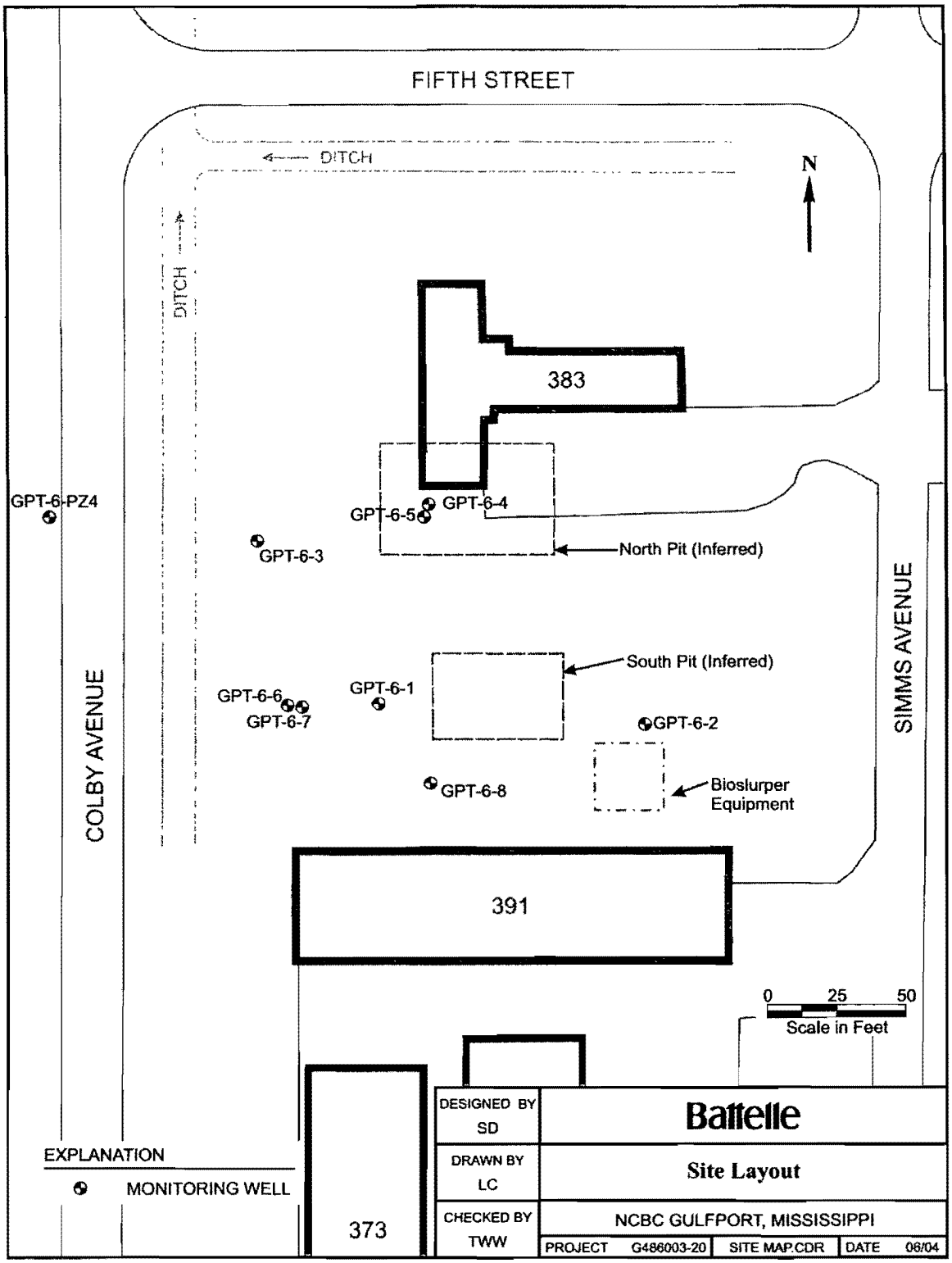

Figure 2. Site Layout

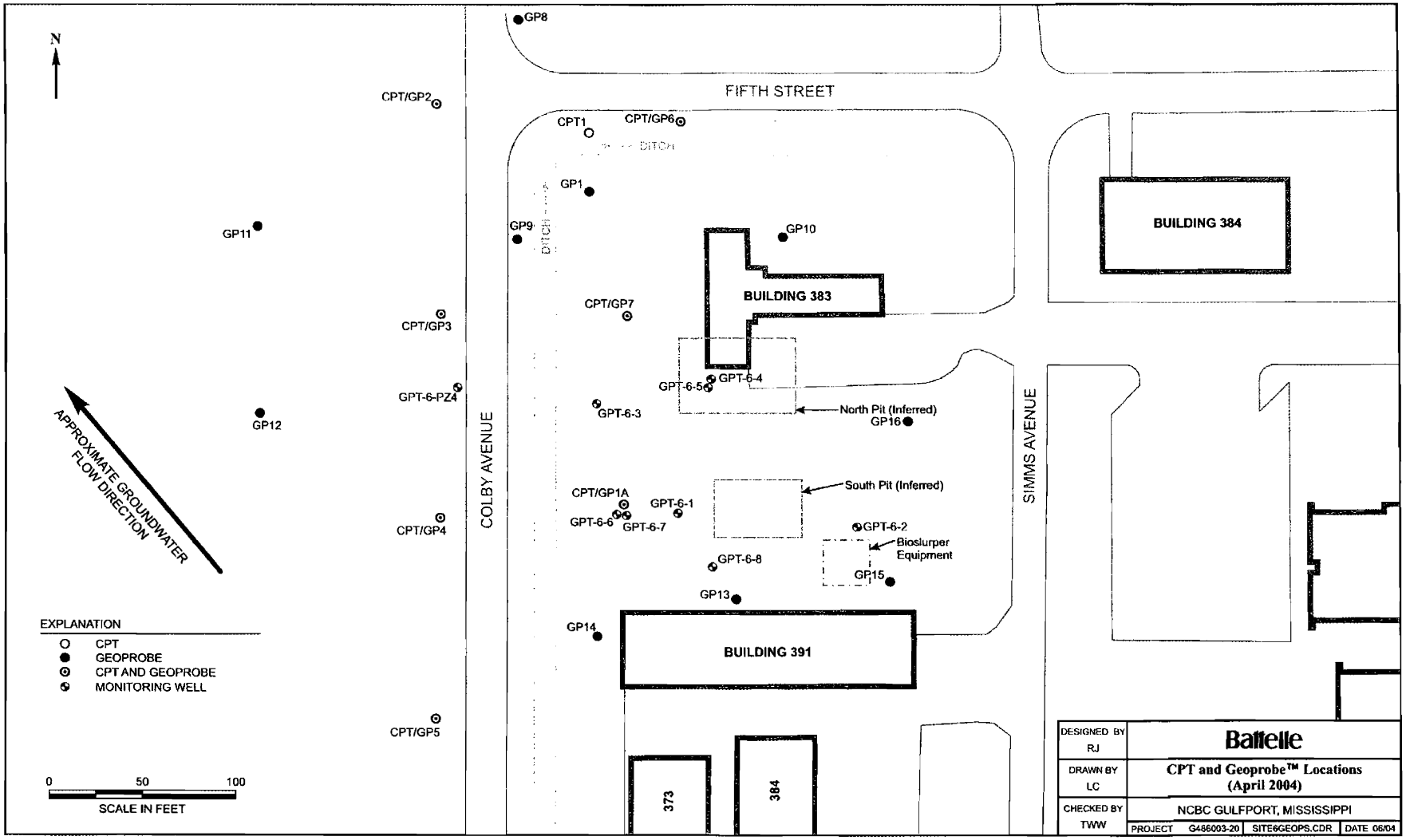

Figure 3. CPT and Geoprobe™ Locations (April 2004)

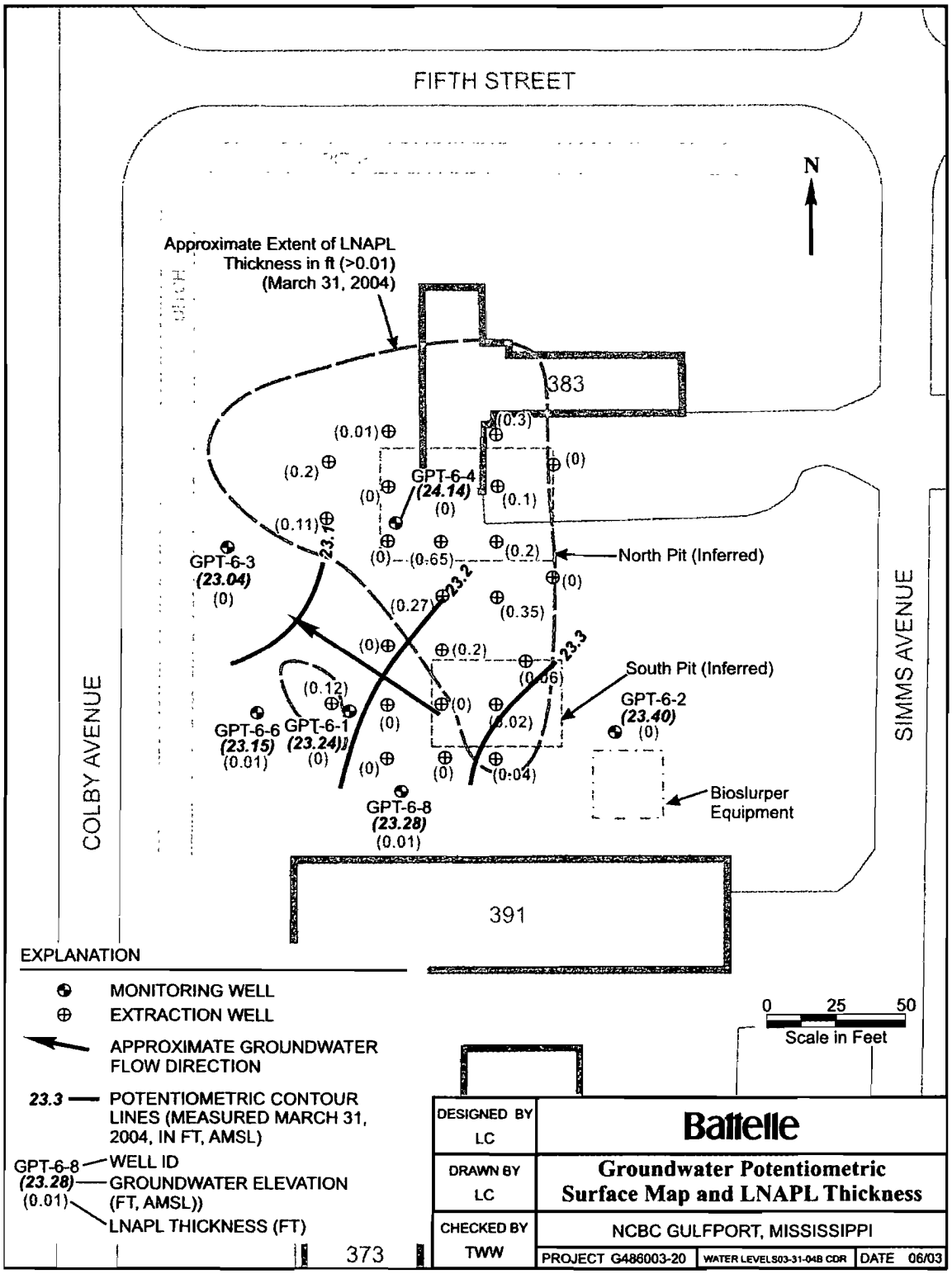

Figure 4. Groundwater Potentiometric Surface Map and LNAPL Thickness

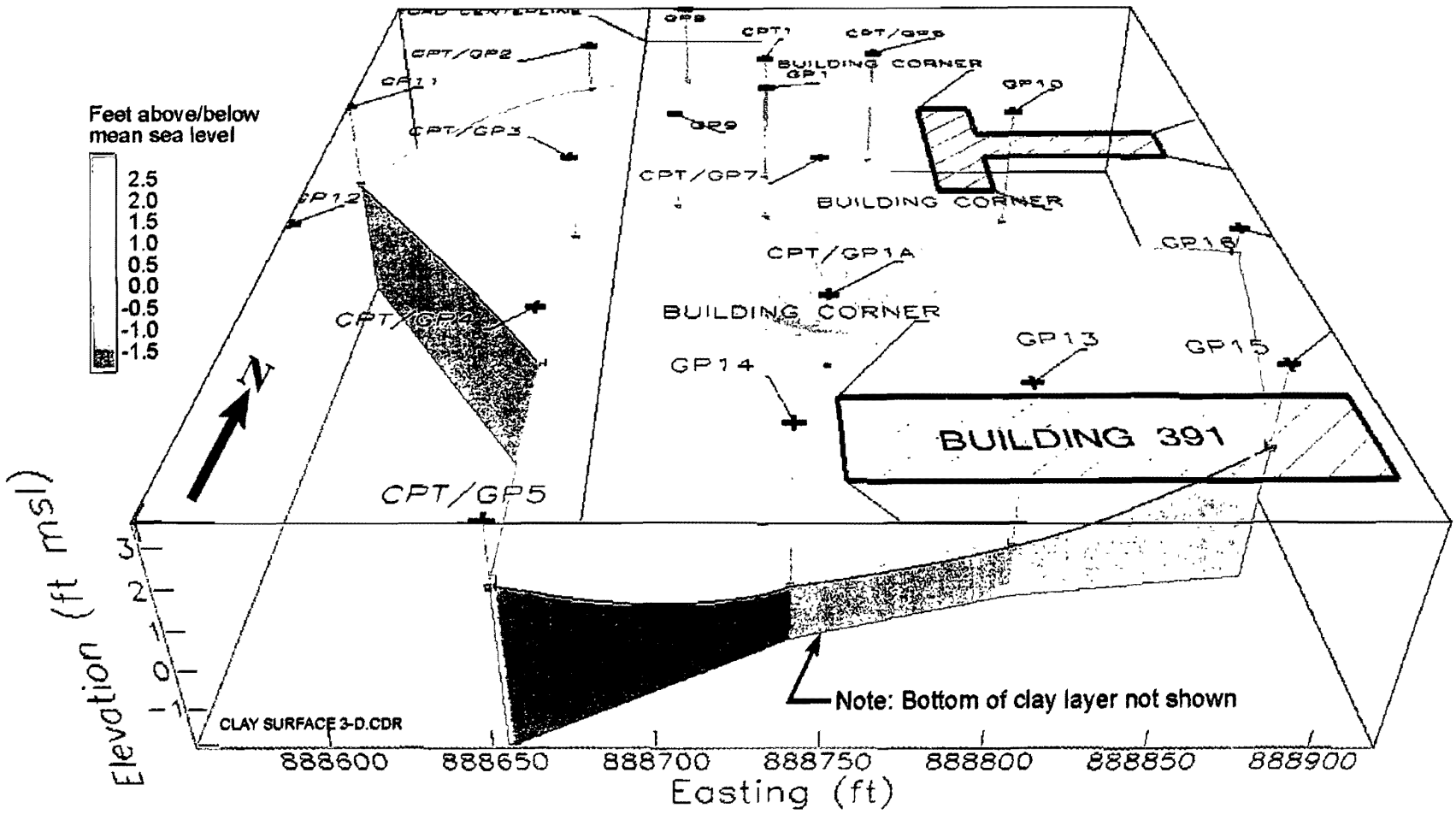

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Figure 5. 3-D Block Diagram Showing Elevation of Top of Silt-Clay Layer

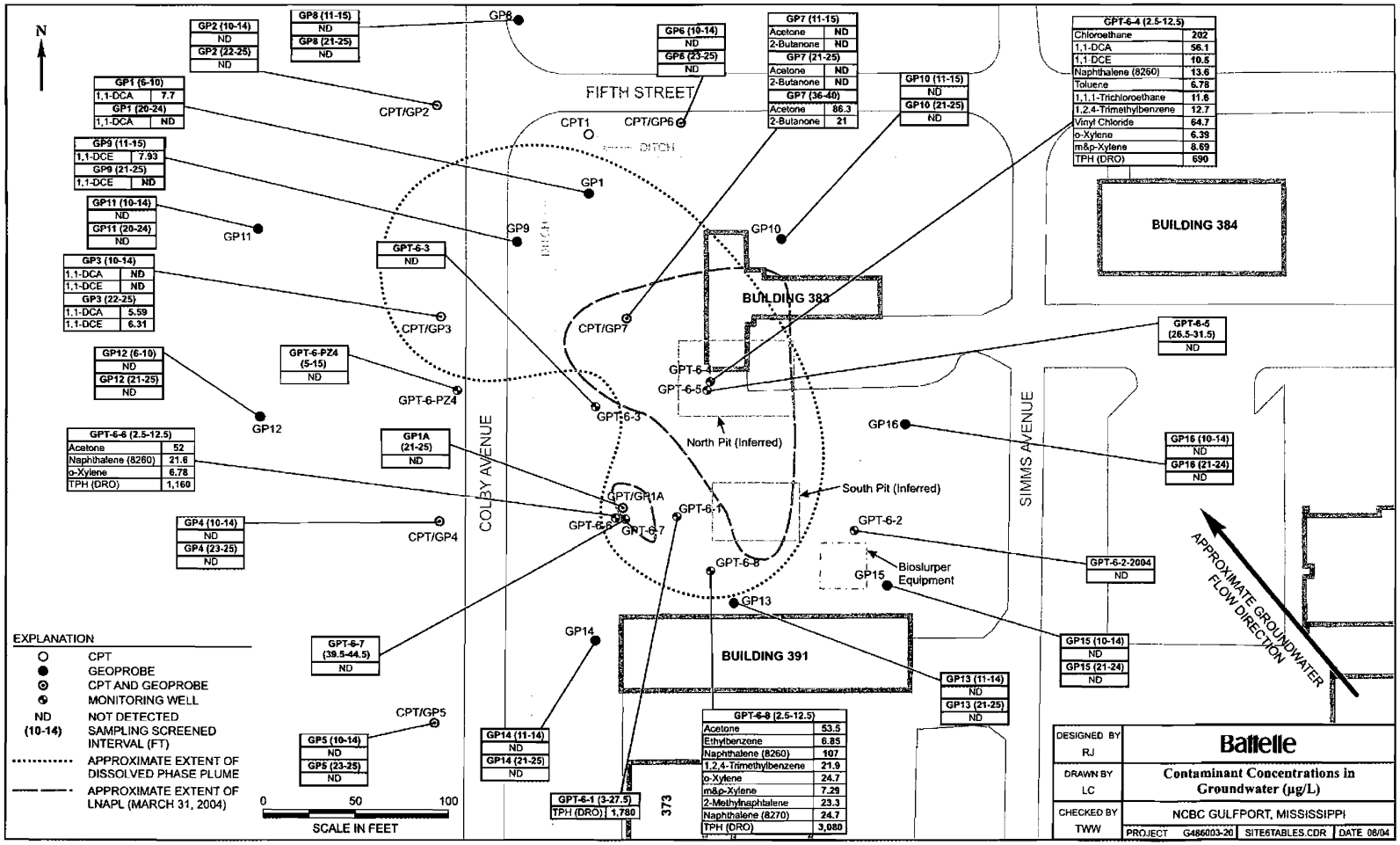


Figure 6. Contaminant Concentrations in Groundwater (µg/L)

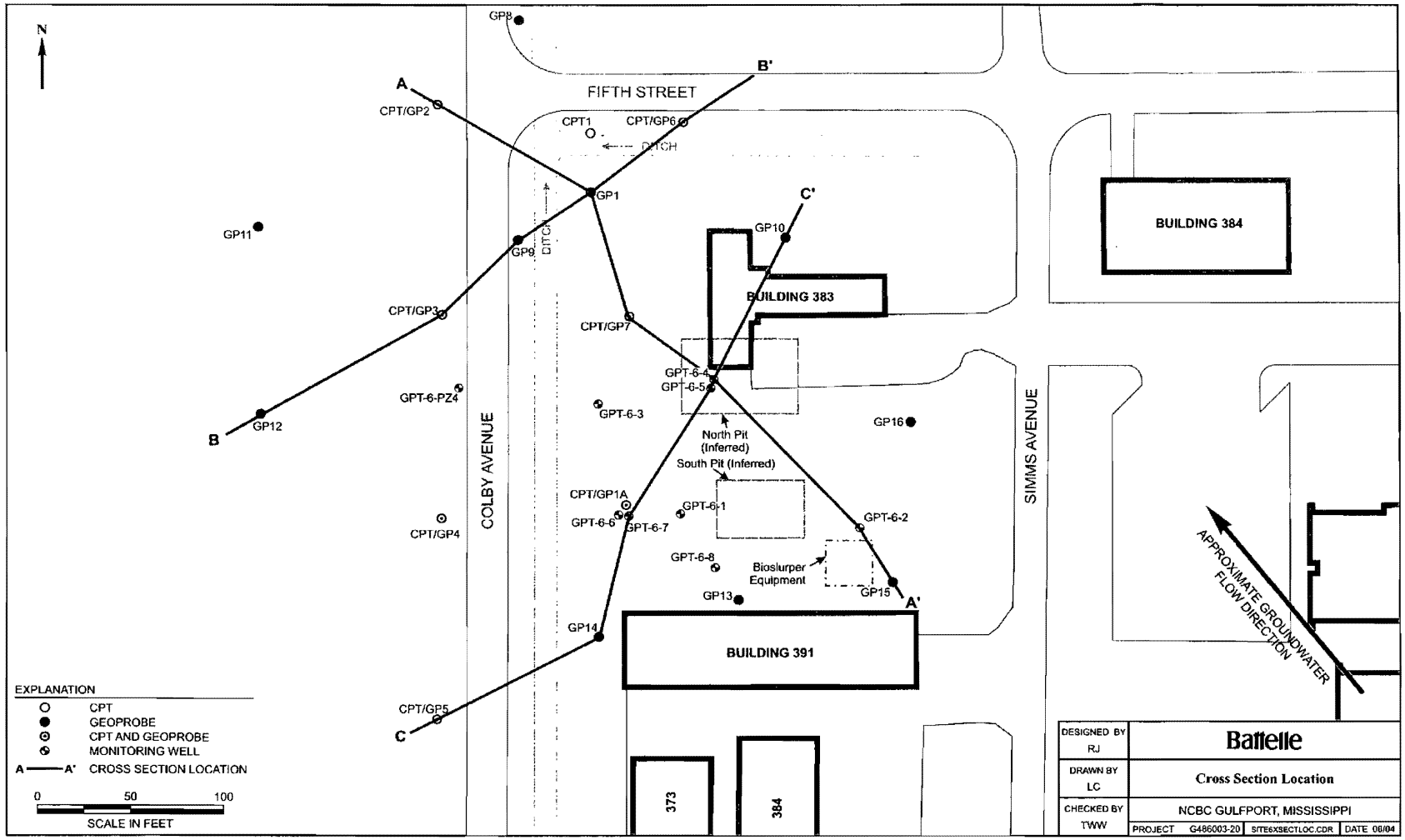
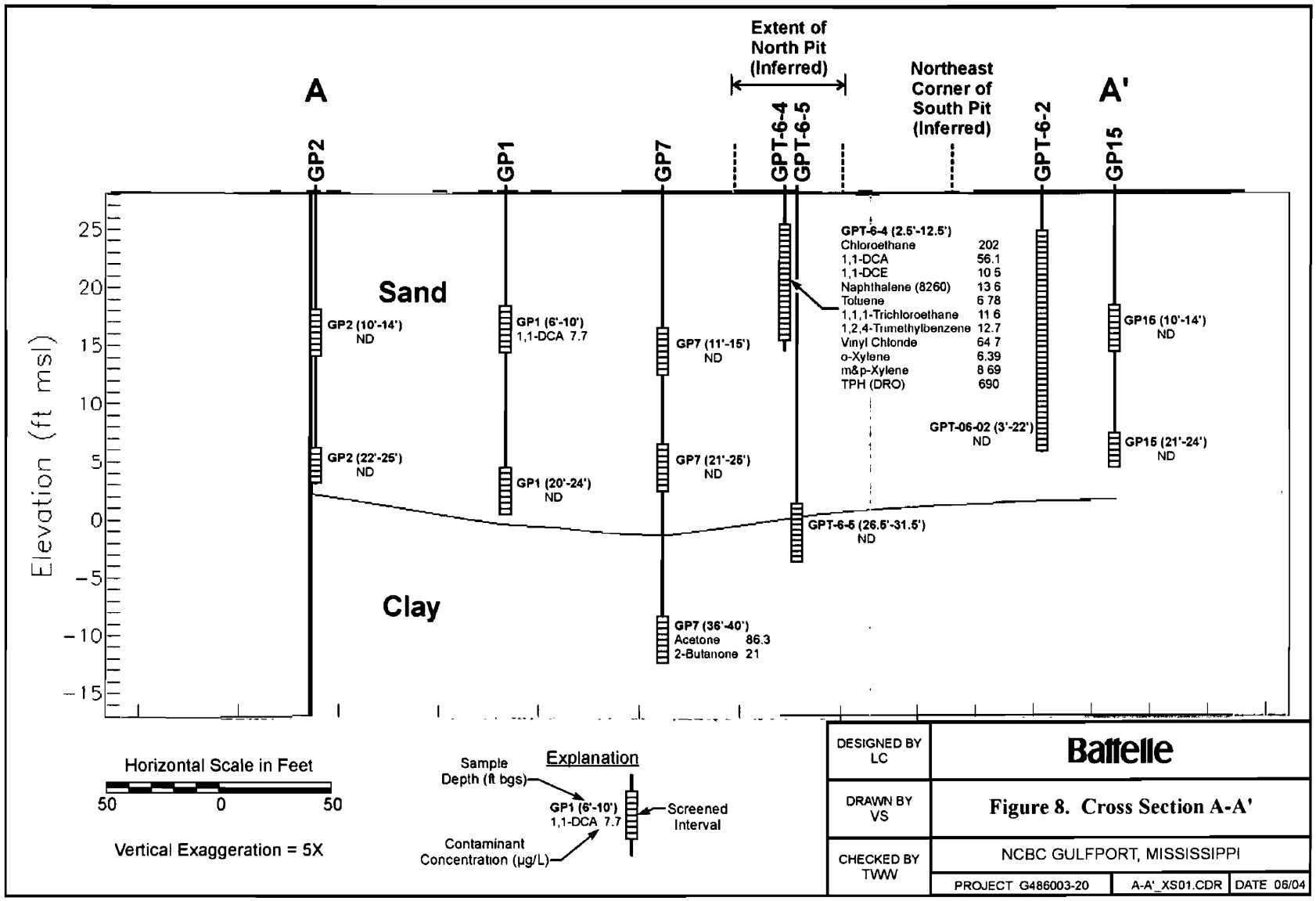
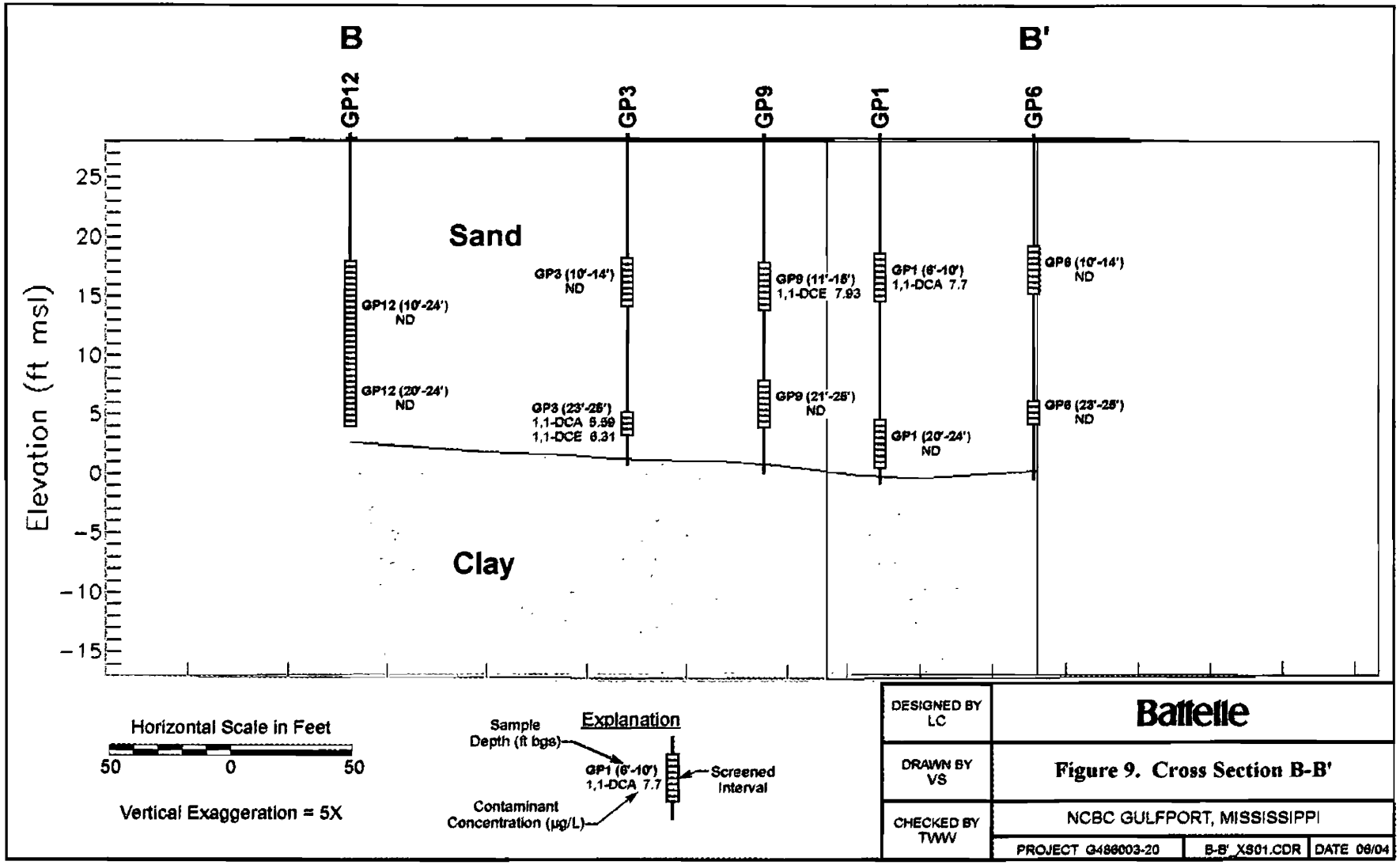


Figure 7. Cross Section Location


A
A'
Extent of North Pit (Inferred)
Northeast Corner of South Pit (Inferred)
GP2
GP1
GP7
GPT-6-4
GPT-6-5
GPT-6-2
GP15
Elevation (ft msl)
25
20
15
10
5
0
-5
-10
-15
Sand
Clay
GP2 (10'-14')
ND
GP2 (22'-25')
ND
GP1 (6'-10')
1,1-DCA 7.7
GP1 (20'-24')
ND
GP7 (11'-15')
ND
GP7 (21'-25')
ND
GP7 (36'-40')
Acetone 86.3
2-Butanone 21
GPT-6-4 (2.5'-12.5')
Chloroethane 202
1,1-DCA 56.1
1,1-DCE 10 5
Naphthalene (8260) 13 6
Toluene 6 78
1,1,1-Trichloroethane 11 6
1,2,4-Trimethylbenzene 12.7
Vinyl Chloride 64 7
o-Xylene 6.39
m&p-Xylene 8 69
TPH (DRO) 690
GPT-6-5 (26.5'-31.5')
ND
GPT-06-02 (3'-22')
ND
GP15 (10'-14')
ND
GP15 (21'-24')
ND
Horizontal Scale in Feet
50
0
50
Vertical Exaggeration = 5X
Explanation
Sample Depth (ft bgs)
GP1 (6'-10')
1,1-DCA 7.7
Screened Interval
Contaminant Concentration (µg/L)
DESIGNED BY LC
DRAWN BY VS
CHECKED BY TWW
Battelle
Figure 8. Cross Section A-A'
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-20
A-A'_XS01.CDR
DATE 06/04


B
B'
GP12
GP3
GP9
GP1
GP6
Elevation (ft msl)
25
20
15
10
5
0
-5
-10
-15
Sand
Clay
GP12 (10'-24')
ND
GP12 (20'-24')
ND
GP3 (10'-14')
ND
GP3 (23'-25')
1,1-DCA 5.59
1,1-DCE 6.31
GP9 (11'-15')
1,1-DCE 7.93
GP9 (21'-25')
ND
GP1 (6'-10')
1,1-DCA 7.7
GP1 (20'-24')
ND
GP6 (10'-14')
ND
GP6 (23'-25')
ND
Horizontal Scale in Feet
50
0
50
Vertical Exaggeration = 5X
Explanation
Sample Depth (ft bgs)
GP1 (6'-10')
1,1-DCA 7.7
Screened Interval
Contaminant Concentration (µg/L)
DESIGNED BY LC
DRAWN BY VS
CHECKED BY TWW
Battelle
Figure 9. Cross Section B-B'
NCBC GULFPORT, MISSISSIPPI
PROJECT G486003-20
B-B'_XS01.CDR
DATE 06/04

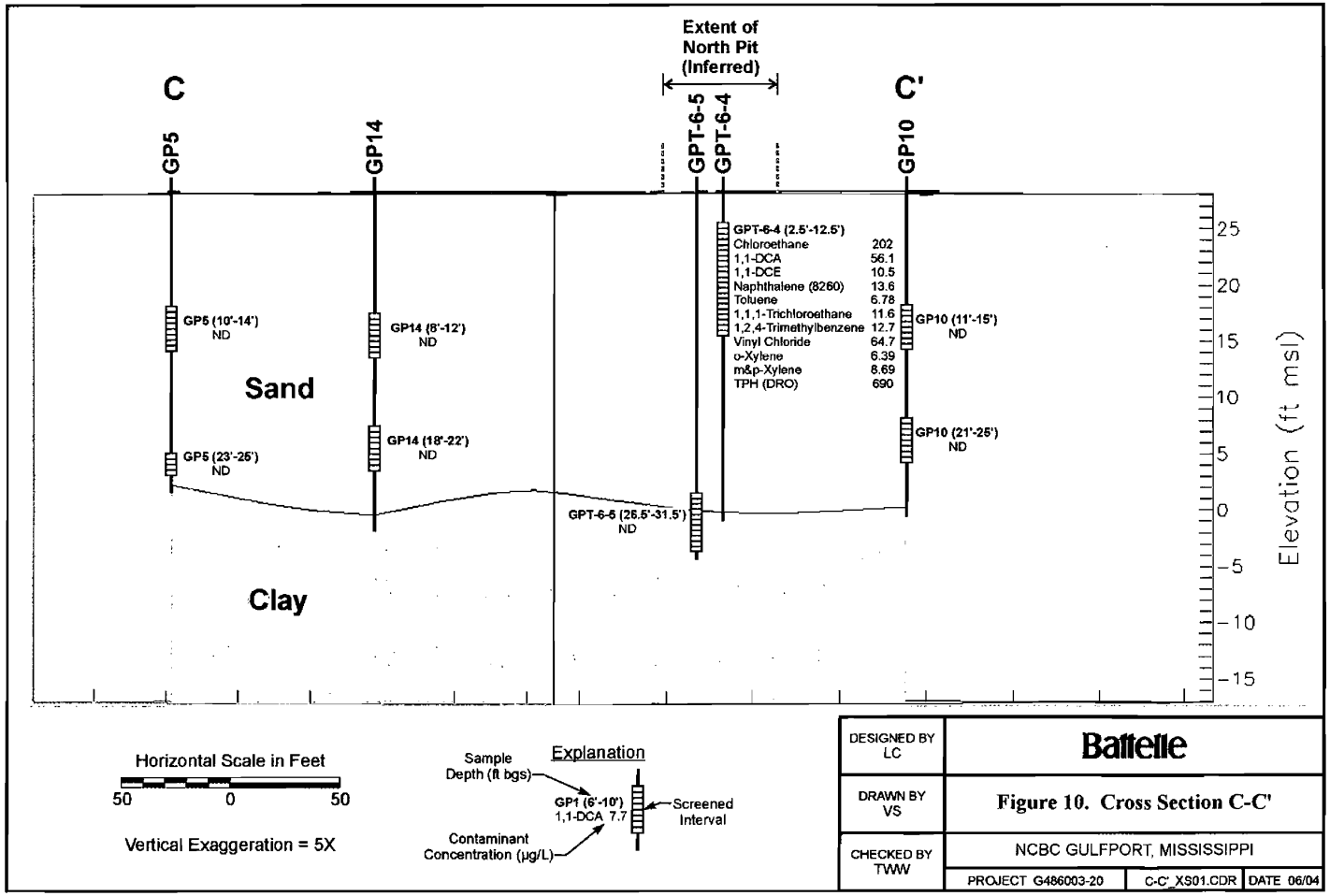


Figure 10. Cross Section C-C'

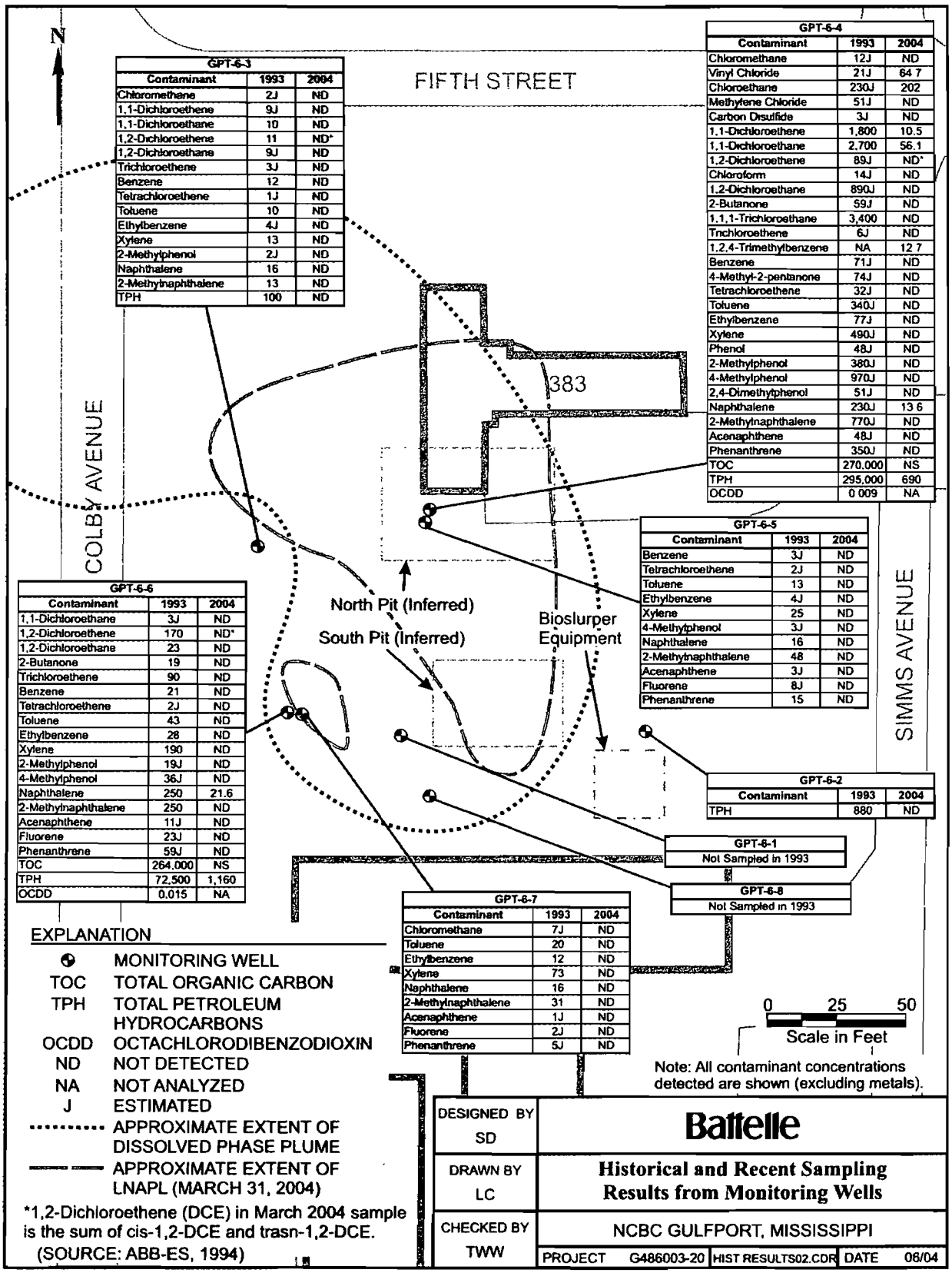


Figure 11. Historical and Recent Sampling Results from Monitoring Wells

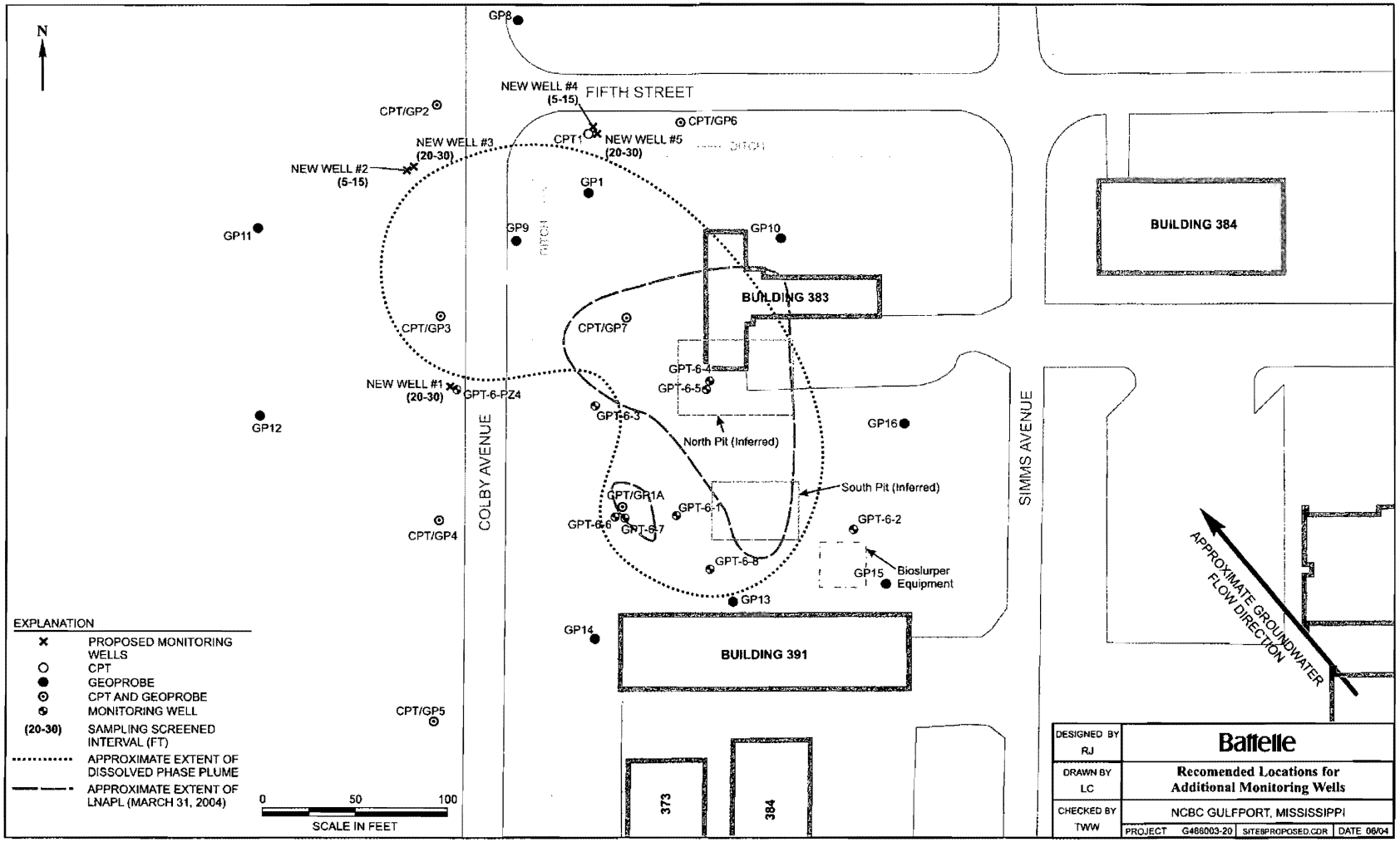


Figure 12. Recommended Locations for Additional Monitoring Wells

APPENDIX A

CPT RESULTS AND CONFIRMATORY GEOPROBE BORING LOG

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NCBC GULFPORT BORING LOG - GP1

Permit Number: NA Date Logged: 31 March 2004 Geologist: R. Janosy Total Depth: 30' Reviewed by: R. Janosy	Contractor: Precision Drilling Operator: Jon Equipment: Geoprobe Method: Geoprobe Boring Diameter: 1.5" Sampler Type: NA Hammer Type: NA	Northing (NAD 83): 318171.610 Easting (NAD 83): 888738.505 Surface Elevation (NAVD 88): 24.59 ft Borehole Abandoned: _X_ Yes _ No Backfill Method: Grout Monitoring Device Installed:_ Yes _X_ No

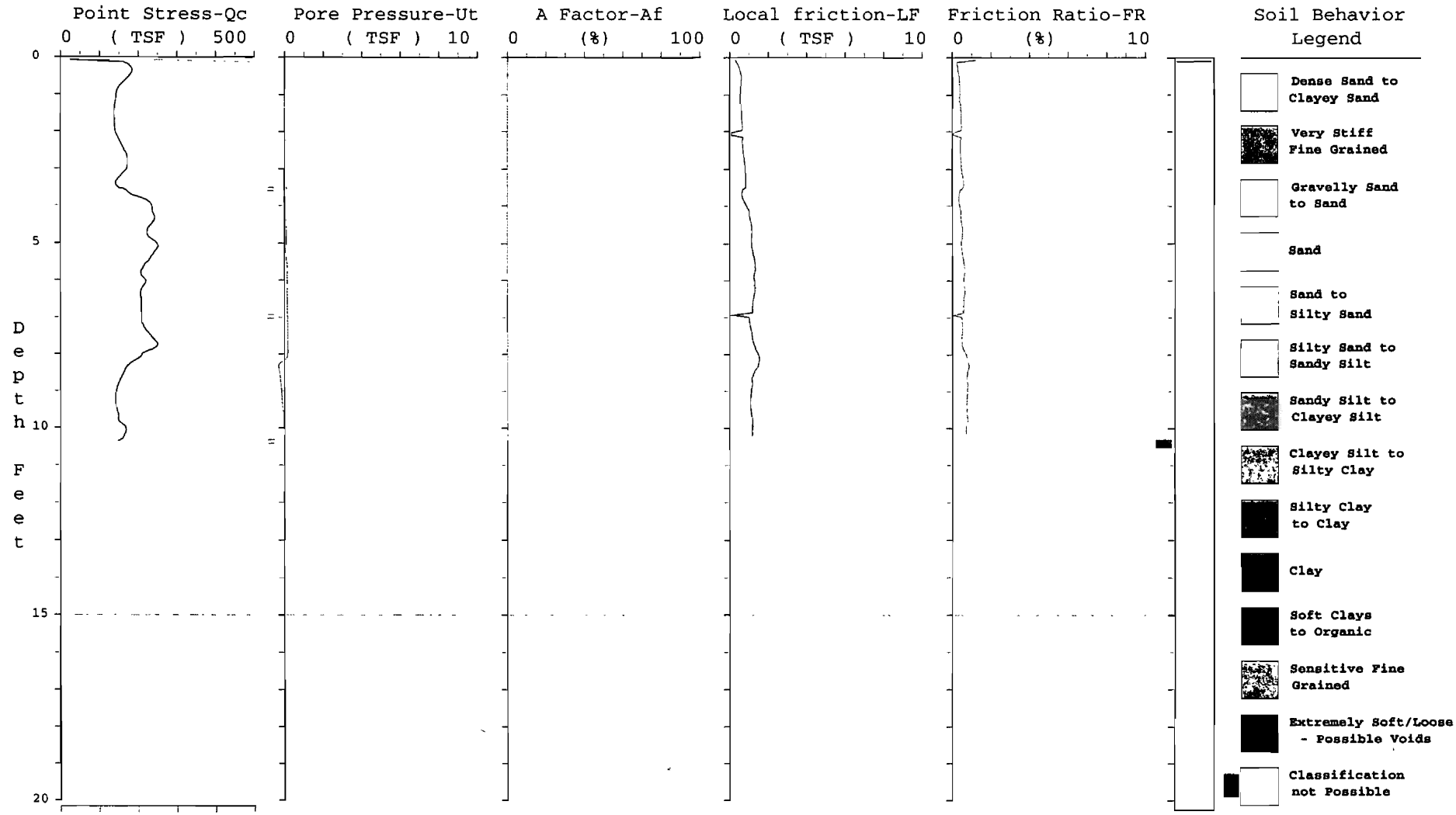
Depth (feet bgs)	Lithology	USCS Symbol	Sample Description	Grading % Gravel	Grading % Sand	Grading % Fines	Blow Counts	Sample Interval	Sample ID	Organic Vapor	Comments
0		SW	SAND, dark red brown, medium-fine grained, clean. Organic odor with pieces of wood, saturated.								
5		SW	SAND, dark red brown, medium-fine grained with trace gravel. Saturated.	3	85	12					
10		SW	SAND, yellow brown, medium grained, clean, no odors, saturated.								
15		SW	SAND, white grey, medium-coarse grained, clean, no odors, saturated.								
		SC	Clayey SAND, light grey, medium-fine grained, no odors, saturated.								
20		CL	Silty CLAY, light grey, highly plastic, soft-firm, damp, no odors.								
25		CH	Fat CLAY, light grey, highly plastic, firm, damp, no odors.								
30											
35											

NCBC GLFPT GP1 cdr

CPT/GP1A

REV: 95 - 11.01 - 0

PIEZOCONE SOUNDING



'=' Push Interrupted To Add Rod, Pore Pressure Decay Data May Be Available

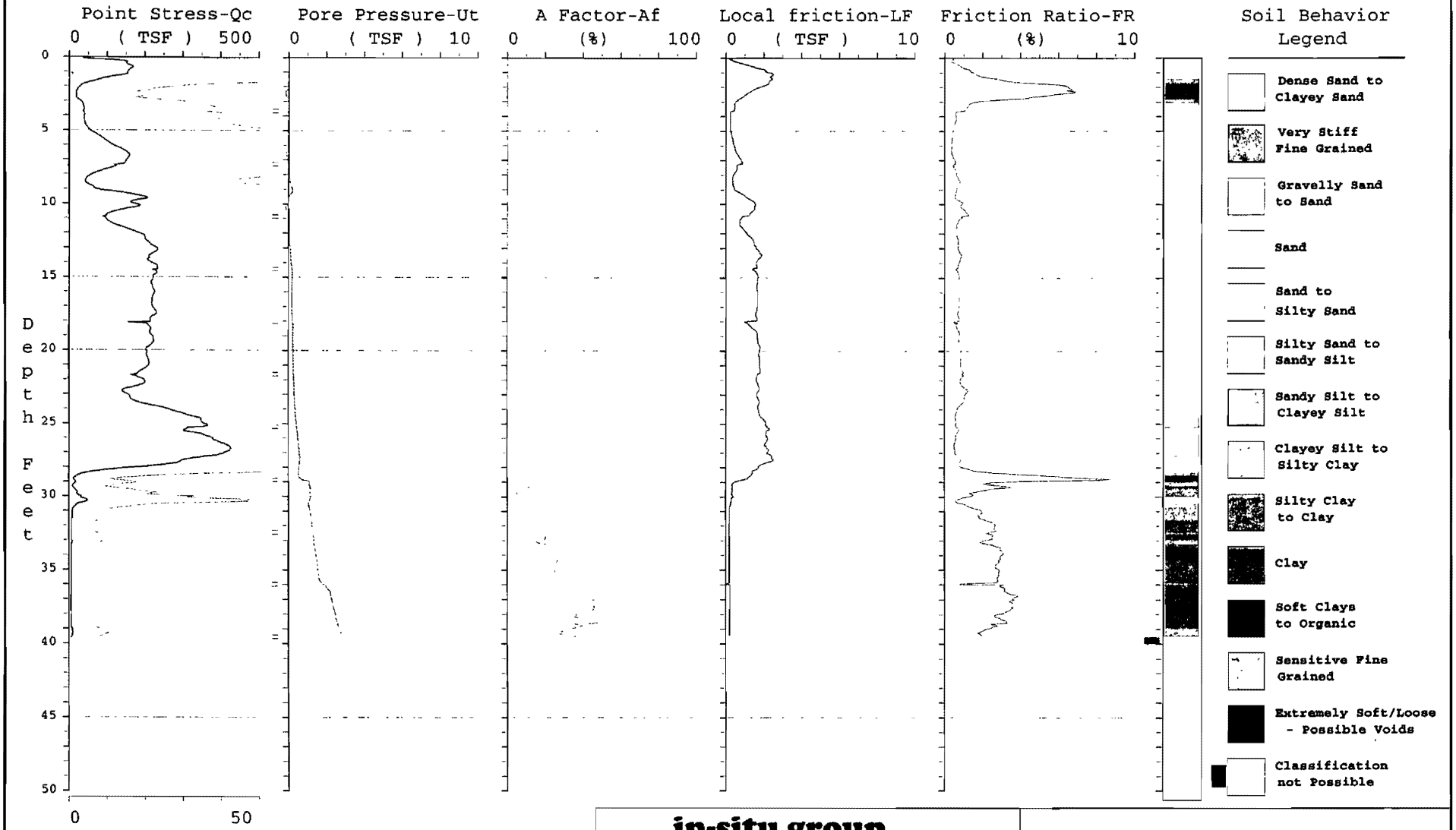
in-situ group

Sounding # CPT1-6
Test Date 03-31-2004 11:52:20

CPT1

REV: 95 - 11.01 - 0

PIEZOCONE SOUNDING



'=' Push Interrupted To Add Rod, Pore Pressure Decay Data May Be Available

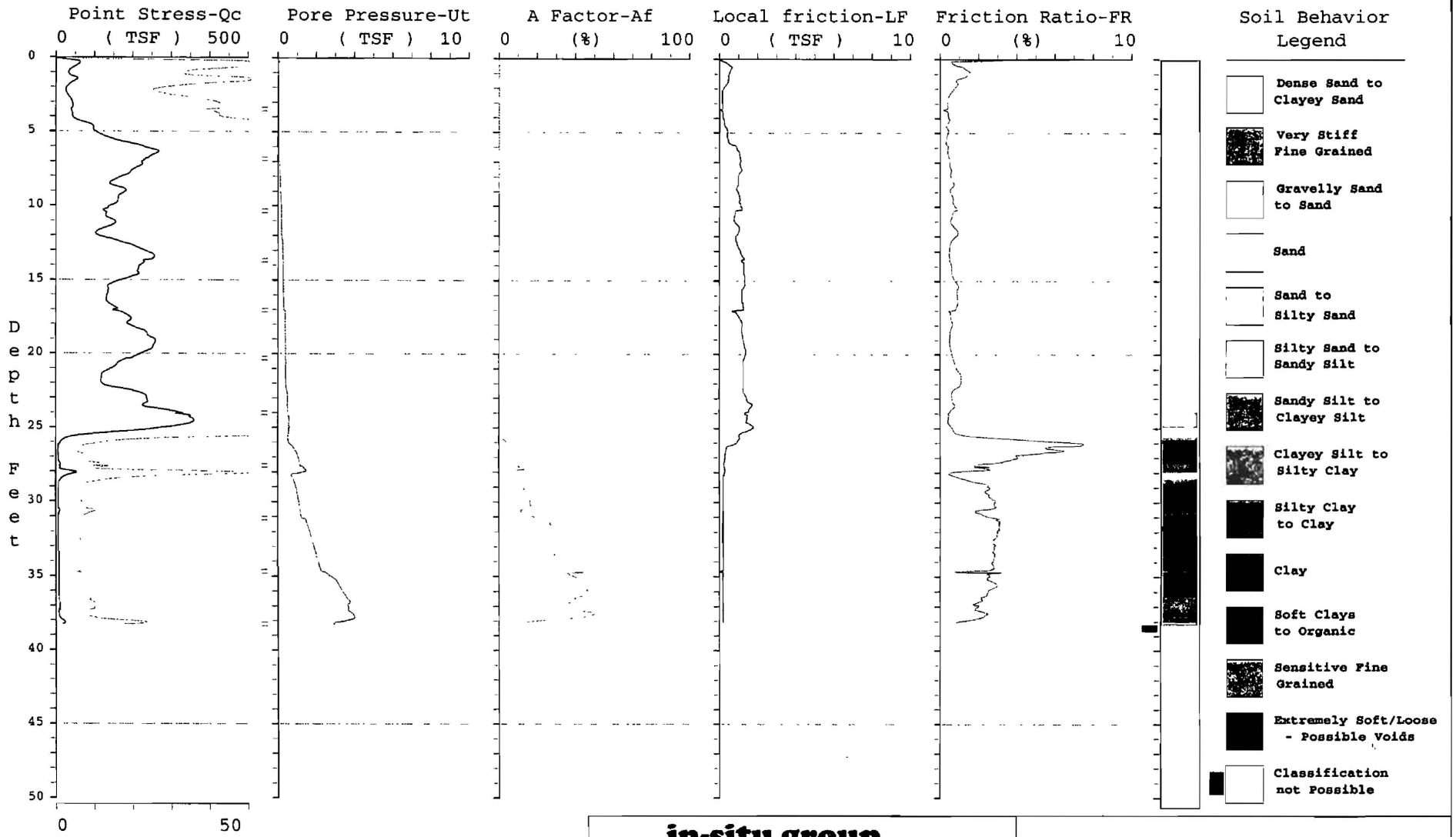
in-situ group

Sounding # CPT5-6
Test Date 03-31-2004 18:03:37

CPT/GP2

REV: 95 - 11.01 - 0

PIEZOCONE SOUNDING



'=' Push Interrupted To Add Rod, Pore Pressure Decay Data May Be Available

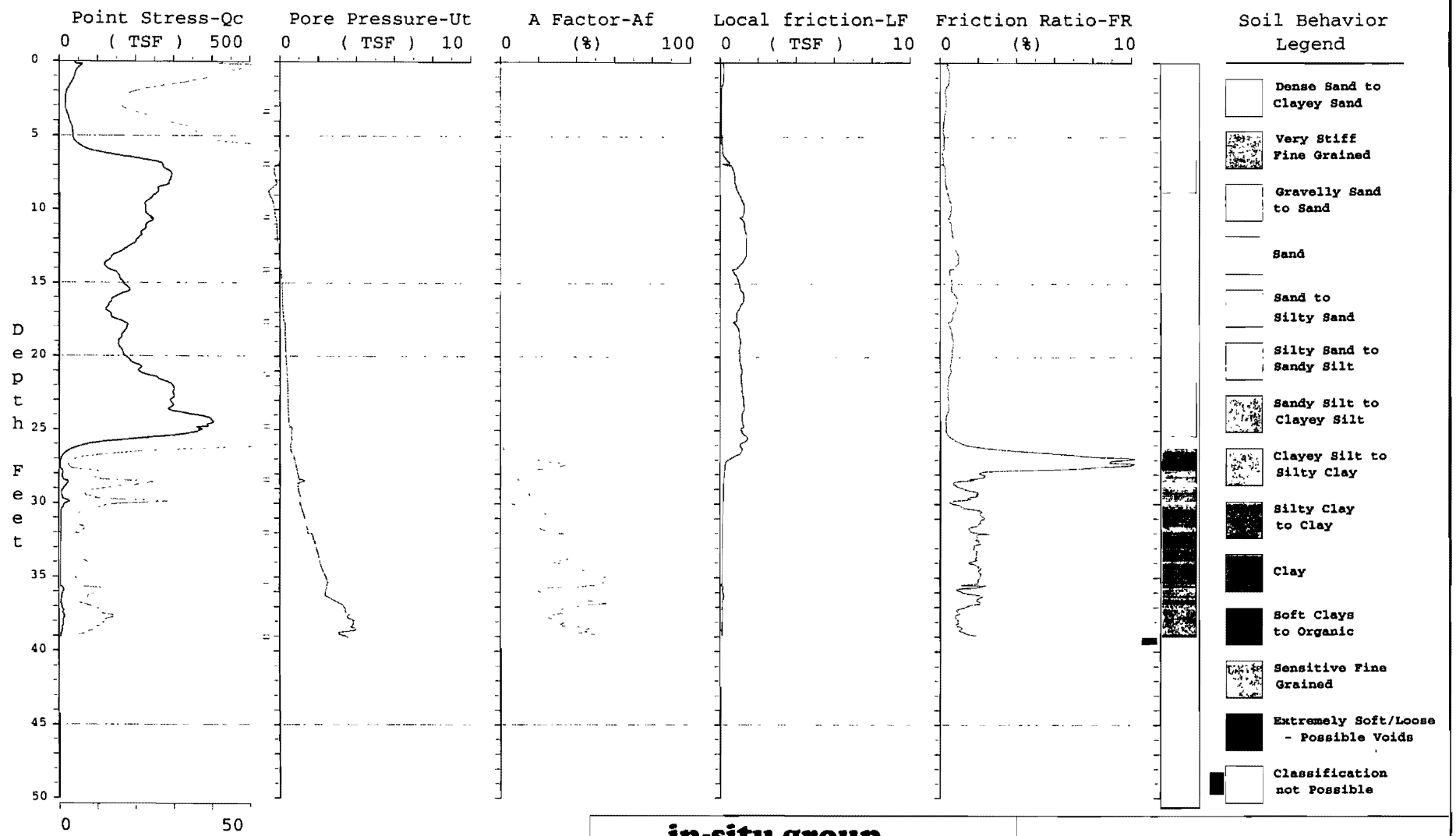
in-situ group

Sounding # CPT2-6
Test Date 03-31-2004 13:55:24

CPT/GP3

REV: 95 - 11.01 - 0

PIEZOCONE SOUNDING



'=' Push Interrupted To Add Rod, Pore Pressure Decay Data May Be Available

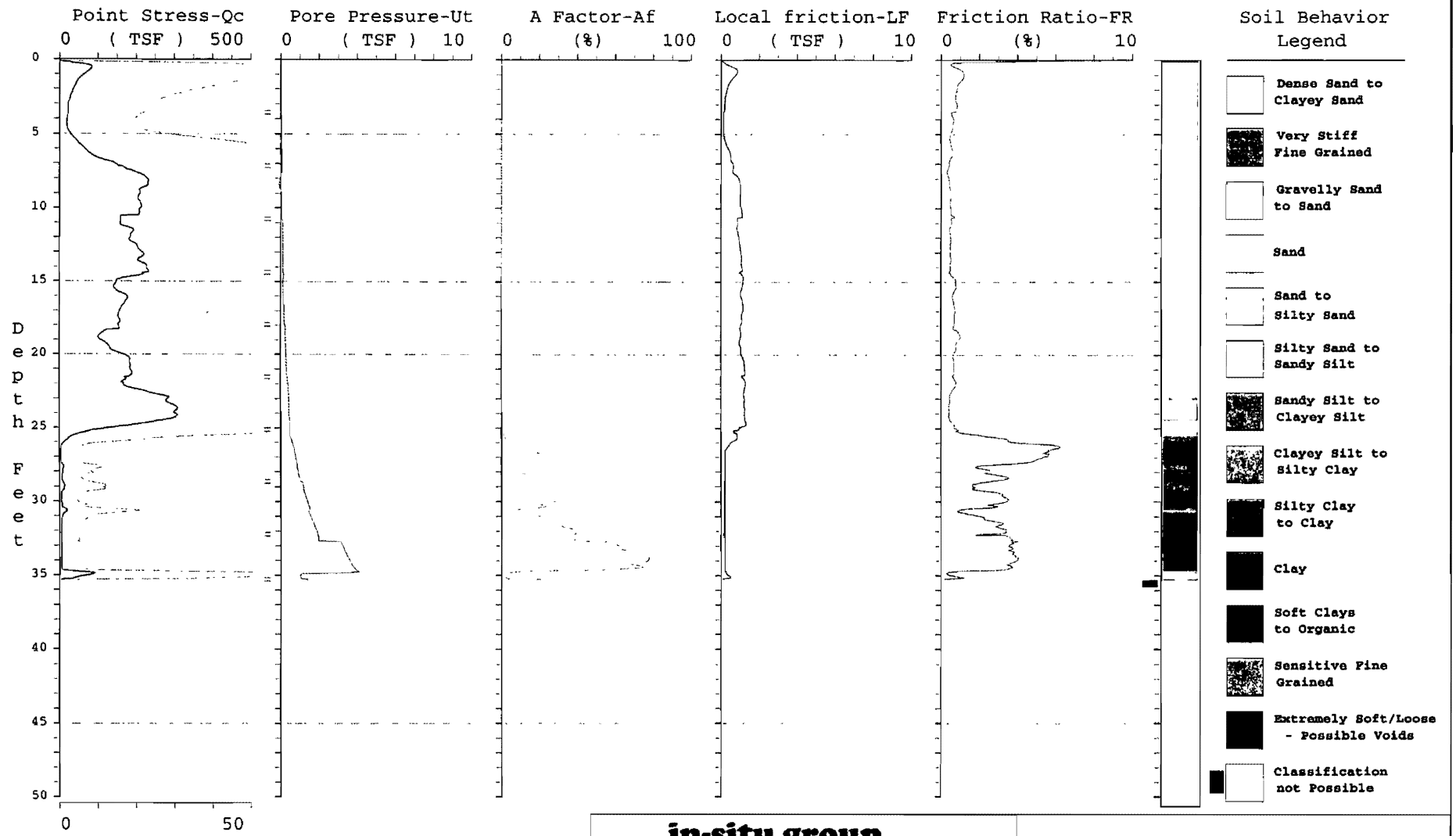
in-situ group

Sounding # CPT3-6
Test Date 03-31-2004 15:55:07

CPT/GP4

REV: 95 - 11.01 - 0

PIEZOCONE SOUNDING



'=' Push Interrupted To Add Rod, Pore Pressure Decay Data May Be Available

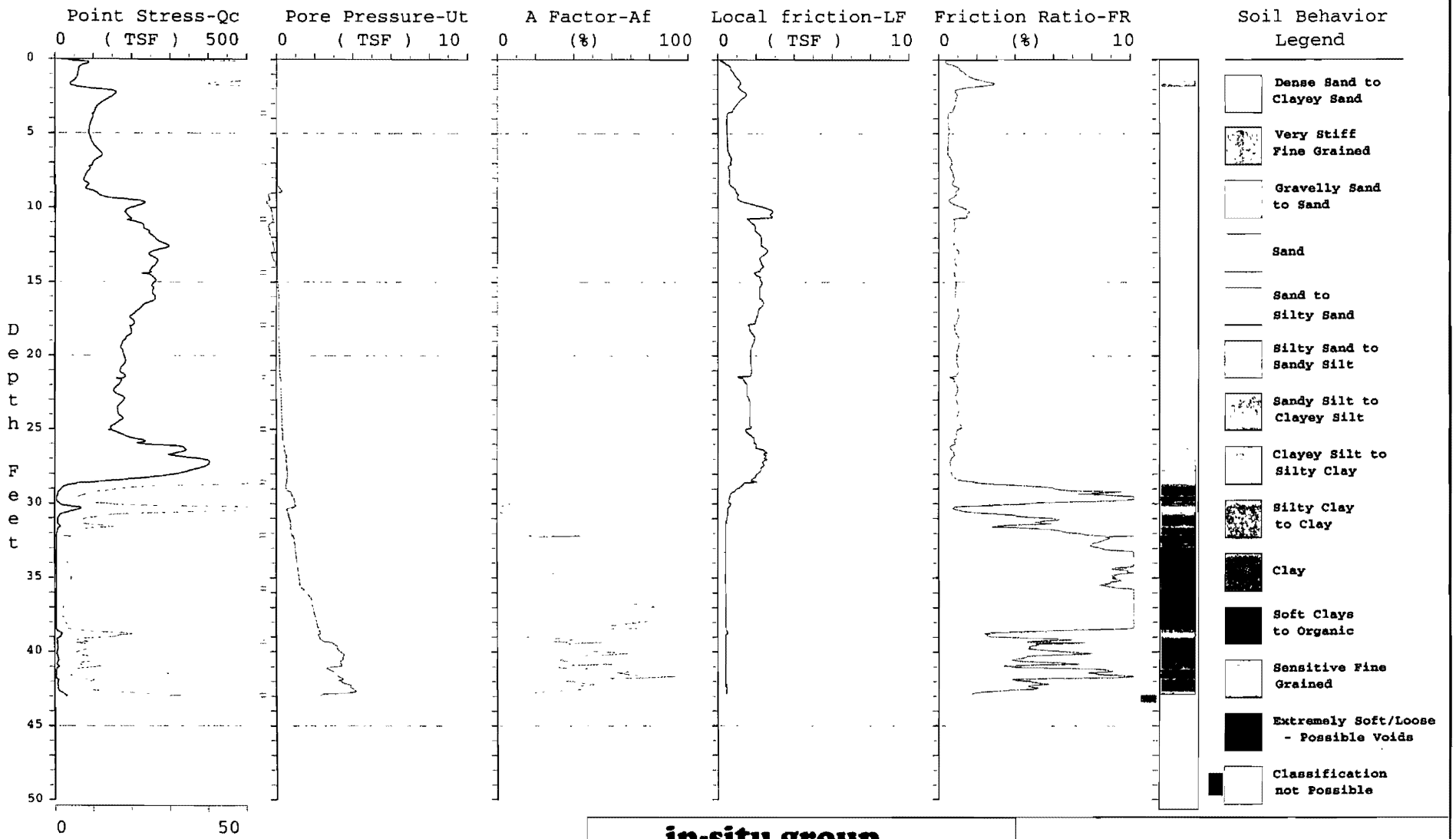
in-situ group

Sounding # CPT4-6
Test Date 03-31-2004 17:19:20

CPT/GP6

REV: 95 - 11.01 - 0

PIEZOCONE SOUNDING



'=' Push Interrupted To Add Rod, Pore Pressure Decay Data May Be Available

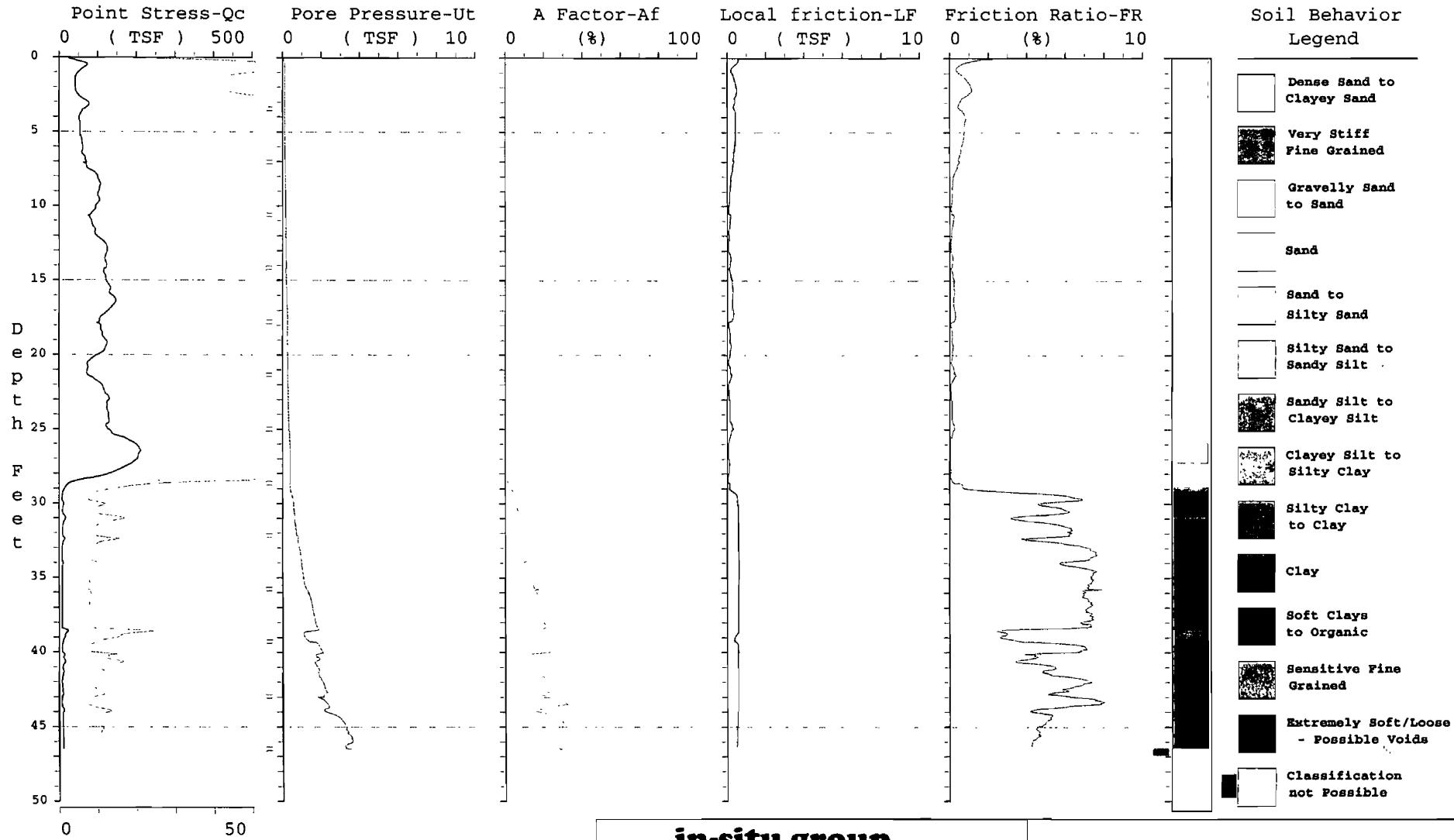
in-situ group

Sounding # CPT6-6
Test Date 04-01-2004 09:09:01

CPT/GP7

REV: 95 - 11.01 - 0

PIEZOCONE SOUNDING



'=' Push Interrupted To Add Rod, Pore Pressure Decay Data May Be Available

in-situ group

Sounding # CPT7-6
Test Date 04-01-2004 09:56:46

APPENDIX B

ANALYTICAL RESULTS

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004

Sample ID: AA43606
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 16:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	49.2	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	179	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	49.8	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Sample ID: AA43606
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 16:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	10.2	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	5.18	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

Micro-Methods Laboratory, Inc.

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Client Sample Description: GPT-6-4-2004

Sample ID: AA43606
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 16:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

Micro-Methods Laboratory, Inc.
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(228) 875-6420

Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004

Sample ID: AA43606
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 16:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	11.8	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004

Sample ID: AA43606
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/20/2004 09:58:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	101	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	91.1	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	102	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	96.8	% Recovery		

Micro-Methods Laboratory, Inc.

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Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004

Sample ID: AA43607
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received :4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:00:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: *ORGANIC*

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/6/2004 12:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

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(228) 875-6420

Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004

Sample ID: AA43607
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:00:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/6/2004 12:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT1
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Client Sample Description: GPT-6-4-2004

Sample ID: AA43607
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:00:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/6/2004 12:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
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Client: Battelle
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Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004

Sample ID: AA43607
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:00:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/6/2004 12:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

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Sample ID: AA43607
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:00:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***QAQC***

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/12/2004 09:23:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	29	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	18	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	36	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	32	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	52	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	39	% Recovery		

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Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004

Sample ID: AA43608
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:00:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/13/2004 19:28:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO): Water	0.69	mg/L	0.5	

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Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004

Sample ID: AA43608
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:00:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***QAQC***

Analyst: HEC Date/Time: 4/13/2004 19:28:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		DRO Surrogate C-30 for water	104	% Recovery		

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Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43609
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 17:18:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	64.7	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	202	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	10.5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	56.1	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43609
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received :4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 17:18:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	11.6	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<5	ug/L	20	
SW 8260B	108-88-3	Toluene	6.78	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43609
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 17:18:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	8.69	ug/L	5	
SW 8260B	95-47-6	o-Xylene	6.39	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	12.7	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43609
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 17:18:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	13.6	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43609
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/20/2004 10:02:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	102	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	99.9	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	98.7	% Recovery		

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Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43610
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:00:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 995 MLS
Analyst: HEC Date/Time: 4/7/2004 17:03:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

Micro-Methods Laboratory, Inc.

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Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43610
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:00:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 995 MLS
Analyst: HEC Date/Time: 4/7/2004 17:03:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43610
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:00:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 995 MLS
Analyst: HEC Date/Time: 4/7/2004 17:03:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43610
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:00:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 995 MLS
Analyst: HEC Date/Time: 4/7/2004 17:03:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43610
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:00:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***QAQC***

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/14/2004 09:36:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	27	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	16	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	26	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	24	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	45	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	31	% Recovery		

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Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43611
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:00:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 995 MLS
Analyst: HEC Date/Time: 4/14/2004 14:17:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO) Water	0.61	mg/L	0.5	

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Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43611
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:00:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***QAQC***

Analyst: HEC Date/Time: 4/14/2004 14:17:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		DRO Surrogate C-30 for water	72.4	% Recovery		

Micro-Methods Laboratory, Inc.

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Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43612
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received :4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 15:50:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 17:44:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43612
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 15:50:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 17:44:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43612
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 15:50:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 17:44:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43612
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 15:50:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 17:44:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43612
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 15:50:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/20/2004 10:07:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	103	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	100	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	106	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	99.9	% Recovery		

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Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43613
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 15:50:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 17:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

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(228) 875-6420

Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43613
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 15:50:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 17:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43613
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received :4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 15:50:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 17:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

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(228) 875-6420

Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43613
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 15:50:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 17:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43613
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 15:50:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: *QAQC*

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/12/2004 09:35:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	26	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	16	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	29	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	24	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	54	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	51	% Recovery		

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Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43614
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 15:50:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/13/2004 21:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO): Water	<0.5	mg/L	0.5	

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Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43614
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 15:50:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***QAQC***

Analyst: HEC Date/Time: 4/13/2004 21:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		DRO Surrogate C-30 for water	103	% Recovery		

Micro-Methods Laboratory, Inc.

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Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43615
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 13:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 18:10:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43615
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 13:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 18:10:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43615
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 13:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 18:10:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43615
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 13:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 18:10:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43615
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 13:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/20/2004 10:09:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	103	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	104	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	101	% Recovery		

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Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43616
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 13:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/15/2004 17:31:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43616
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 13:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/15/2004 17:31:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43616
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received :4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 13:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/15/2004 17:31:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43616
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 13:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/15/2004 17:31:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43616
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received :4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 13:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***QAQC***

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/16/2004 11:54:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	70	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	13	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	75	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	73	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	77	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	68	% Recovery		

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Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43617
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 13:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/13/2004 21:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO): Water	<0.5	mg/L	0.5	

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Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43617
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received :4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 13:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: *QAQC*

Analyst: HEC Date/Time: 4/13/2004 21:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		DRO Surrogate C-30 for water	96.5	% Recovery		

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Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43618
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received :4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 18:36:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	52	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43618
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 18:36:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43618
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 18:36:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	6.78	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43618
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 18:36:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	21.6	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43618
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/20/2004 10:12:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	92.4	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	95.4	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	98.5	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	100	% Recovery		

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Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43619
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/01/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 18:10:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43619
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/01/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 18:10:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43619
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received :4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/01/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 18:10:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43619
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/01/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 18:10:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43619
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***QAQC***

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/12/2004 09:36:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	25	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	15	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	24	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	20	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	42	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	29	% Recovery		

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Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43620
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 995 MLS
Analyst: HEC Date/Time: 4/13/2004 22:28:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO) Water	1.16	mg/L	0.5	

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Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43620
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***QAQC***

Analyst: HEC Date/Time: 4/13/2004 22:28:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		DRO Surrogate C-30 for water	85.1	% Recovery		

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Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43621
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 08:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:02:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43621
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 08:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:02:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43621
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 08:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:02:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43621
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 08:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:02:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43621
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 08:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/20/2004 10:24:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	107	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	102	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	97.0	% Recovery		

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Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43622
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 08:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 18:45:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43622
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 08:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 18:45:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43622
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 08:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 18:45:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43622
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 08:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 18:45:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43622
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 08:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***QAQC***

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/12/2004 09:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	32	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	20	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	33	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	29	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	58	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	54	% Recovery		

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Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43623
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 08:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/13/2004 23:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO): Water	<0.5	mg/L	0.5	

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Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43623
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 08:30:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***QAQC***

Analyst: HEC Date/Time: 4/13/2004 23:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		DRO Surrogate C-30 for water	60.6	% Recovery		

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Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43624
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 12:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:28:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43624
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received :4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 12:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:28:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43624
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 12:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:28:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43624
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received :4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 12:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:28:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43624
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 12:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/20/2004 10:27:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	95.5	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	95.6	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	97.8	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	100	% Recovery		

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Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43625
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received :4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 12:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 19:18:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43625
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 12:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 19:18:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43625
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 12:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 19:18:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43625
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received :4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 12:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 19:18:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43625
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 12:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***QAQC***

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/12/2004 09:39:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	27	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	16	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	25	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	22	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	47	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	38	% Recovery		

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Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43626
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 12:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: *ORGANIC*

Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/13/2004 23:40:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO): Water	1.78	mg/L	0.5	

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Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43626
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 12:15:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***QAQC***

Analyst: HEC Date/Time: 4/13/2004 23:40:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		DRO Surrogate C-30 for water	97.3	% Recovery		

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Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43627
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 10:58:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:54:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43627
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 10:58:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:54:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43627
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 10:58:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:54:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43627
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 10:58:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:54:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43627
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 10:58:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/20/2004 10:34:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	102	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	96.8	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	101	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	101	% Recovery		

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Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43628
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 10:52:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: *ORGANIC*

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 980 MLS
Analyst: HEC Date/Time: 4/15/2004 18:05:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43628
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 10:52:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 980 MLS
Analyst: HEC Date/Time: 4/15/2004 18:05:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43628
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 10:52:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 980 MLS
Analyst: HEC Date/Time: 4/15/2004 18:05:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43628
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received :4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 10:52:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 980 MLS
Analyst: HEC Date/Time: 4/15/2004 18:05:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

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Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43628
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 10:52:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***QAQC***

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/16/2004 11:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	47	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	46	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	50	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	43	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	54	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	59	% Recovery		

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Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43629
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 10:50:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/14/2004 01:28:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO): Water	<0.5	mg/L	0.5	

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Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43629
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 10:50:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***QAQC***

Analyst: HEC Date/Time: 4/14/2004 01:28:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		DRO Surrogate C-30 for water	127	% Recovery		

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(228) 875-6420

Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43630
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 13:20:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 20:20:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	53.5	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43630
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received :4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 13:20:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 20:20:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43630
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 13:20:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 20:20:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	107	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43630
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received :4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 13:20:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 20:20:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	6.85	ug/L	5	
SW 8260B	NA	m&p-Xylene	7.29	ug/L	5	
SW 8260B	95-47-6	o-Xylene	24.7	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	21.9	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43630
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 13:20:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/20/2004 10:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	104	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	99.2	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	96.7	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	98.4	% Recovery		

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Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43631
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 13:20:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 19:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43631
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 13:20:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 19:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	24.7	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	23.3	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43631
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 13:20:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 19:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43631
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 13:20:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 19:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43631
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 13:20:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***QAQC***

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/12/2004 09:41:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	25	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	15	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	32	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	29	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	47	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	36	% Recovery		

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Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43632
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 13:20:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/14/2004 00:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW-8015		Diesel Range Organics(DRO): Water	3.08	mg/L	0.5	

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Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43632
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 13:20:00 Collected By: CLIENT	***Preliminary Results. Final Results Pending Review.***

Department: ***QAQC***

Analyst: HEC Date/Time: 4/14/2004 00:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		DRO Surrogate C-30 for water	91.9	% Recovery		

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Client: Battelle
Client Code: BAT9
Sample Description: Battelle NCBC Gulfport T. Blk
Client Sample Description: TBS 1796

Sample ID: AA43633
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 13:00:00 Collected By: MICRO METHODS	***Preliminary Results. Final Results Pending Review.***

Department: ***ORGANIC***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 995 MLS
Analyst: HEC Date/Time: 4/7/2004 20:26:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT9
Sample Description: Battelle NCBC Gulfport T. Blk
Client Sample Description: TBS 1796

Sample ID: AA43633
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 13:00:00 Collected By: MICRO METHODS	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 995 MLS
Analyst: HEC Date/Time: 4/7/2004 20:26:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT9
Sample Description: Battelle NCBC Gulfport T. Blk
Client Sample Description: TBS 1796

Sample ID: AA43633
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 13:00:00 Collected By: MICRO METHODS	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 995 MLS
Analyst: HEC Date/Time: 4/7/2004 20:26:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT9
Sample Description: Battelle NCBC Gulfport T. Blk
Client Sample Description: TBS 1796

Sample ID: AA43633
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 13:00:00 Collected By: MICRO METHODS	***Preliminary Results. Final Results Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 995 MLS
Analyst: HEC Date/Time: 4/7/2004 20:26:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT9
Sample Description: Battelle NCBC Gulfport T. Blk
Client Sample Description: TBS 1796

Sample ID: AA43633
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/1/2004 TimeCollected: 13:00:00 Collected By: MICRO METHODS	***Preliminary Results. Final Results Pending Review.***

Department: *QAQC*

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/12/2004 09:42:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	23	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	13	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	41	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	39	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	34	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	32	% Recovery		

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Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43643
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 14:45:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 14:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43643
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 14:45:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 14:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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6500 Sunplex Drive
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Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43643
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 14:45:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 14:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43643
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 14:45:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 14:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43643
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 14:45:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/15/2004 14:10:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	105	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	98.3	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	104	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	98.8	% Recovery		

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Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43644
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 14:45:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Department: *ORGANIC*

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 20:59:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43644
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 14:45:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 20:59:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43644
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 14:45:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 20:59:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43644
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 14:45:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 20:59:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43644
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 14:45:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Department: *QAQC*

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/12/2004 10:11:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	23	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	14	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	20	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	17	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	51	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	56	% Recovery		

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Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43645
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 14:45:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/14/2004 00:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO): Water	<0.5	mg/L	0.5	

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Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43645
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 14:45:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Department: ***QAQC***

Analyst: HEC Date/Time: 4/14/2004 00:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		DRO Surrogate C-30 for water	114	% Recovery		

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Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43646
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/3/2004 TimeCollected: 10:15:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 15:08:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43646
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received :4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/3/2004 TimeCollected: 10:15:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 15:08:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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(228) 875-6420

Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43646
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/3/2004 TimeCollected: 10:15:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 15:08:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43646
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received :4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/3/2004 TimeCollected: 10:15:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 15:08:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43646
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/3/2004 TimeCollected: 10:15:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/15/2004 15:06:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	107	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	101	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	103	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	97.1	% Recovery		

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Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43647
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/3/2004 TimeCollected: 10:15:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Department: ***ORGANIC***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 22:07:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43647
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/3/2004 TimeCollected: 10:15:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 22:07:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43647
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/3/2004 TimeCollected: 10:15:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 22:07:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43647
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received :4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/3/2004 TimeCollected: 10:15:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 22:07:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43647
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received :4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/3/2004 TimeCollected: 10:15:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Department: ***QAQC***

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/12/2004 10:31:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	32	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	20	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	35	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	33	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	51	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	37	% Recovery		

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Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43648
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received :4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/3/2004 TimeCollected: 10:15:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/14/2004 02:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO): Water	<0.5	mg/L	0.5	

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Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43648
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/3/2004 TimeCollected: 10:15:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Department: ***QAQC***

Analyst: HEC Date/Time: 4/14/2004 02:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		DRO Surrogate C-30 for water	83.9	% Recovery		

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Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43649
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:40:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 15:34:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43649
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:40:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 15:34:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43649
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:40:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 15:34:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43649
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:40:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 15:34:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43649
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:40:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/15/2004 15:09:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	105	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	99.6	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	101	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	95.7	% Recovery		

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Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43650
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:40:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Department: ***ORGANIC***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/15/2004 18:38:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10 L3	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10 L3	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43650
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:40:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/15/2004 18:38:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10 L3	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43650
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:40:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/15/2004 18:38:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43650
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:40:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/15/2004 18:38:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43650
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:40:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Department: *QAQC*

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/19/2004 13:24:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	44	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	51	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	49	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	47	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	46	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	94	% Recovery		

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Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43651
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:40:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 980 MLS
Analyst: HEC Date/Time: 4/14/2004 02:40:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO): Water	<0.5	mg/L	0.5	

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Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43651
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:40:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Department: ***QAQC***

Analyst: HEC Date/Time: 4/14/2004 02:40:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		DRO Surrogate C-30 for water	98.7	% Recovery		

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Client: Battelle
Client Code: BAT9
Sample Description: Battelle NCBC Gulfport T. Blk
Client Sample Description: TBV 2370

Sample ID: AA43652
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:40:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 16:00:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT9
Sample Description: Battelle NCBC Gulfport T. Blk
Client Sample Description: TBV 2370

Sample ID: AA43652
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:40:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 16:00:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT9
Sample Description: Battelle NCBC Gulfport T. Blk
Client Sample Description: TBV 2370

Sample ID: AA43652
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:40:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 16:00:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT9
Sample Description: Battelle NCBC Gulfport T. Blk
Client Sample Description: TBV 2370

Sample ID: AA43652
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:40:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 16:00:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT9
Sample Description: Battelle NCBC Gulfport T. Blk
Client Sample Description: TBV 2370

Sample ID: AA43652
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: water Date Validated: 04/29/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:40:00 Collected By: CLIENT	***Preliminary Results. Final Report Pending Review.***

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/15/2004 15:12:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	108	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	105	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	97.4	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-010

Sample ID: AA43478
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 12:35:00	
Date Validated: 04/02/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 20:41:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	7.70	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-010

Sample ID: AA43478
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 12:35:00	
Date Validated: 04/02/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 20:41:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-010

Sample ID: AA43478
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 12:35:00	
Date Validated: 04/02/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 20:41:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-010

Sample ID: AA43478
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 12:35:00	
Date Validated: 04/02/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 20:41:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-010

Sample ID: AA43478
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 12:35:00	
Date Validated: 04/02/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/1/2004 11:21:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	107	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	98.0	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	103	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	98.5	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-024

Sample ID: AA43479
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 13:00:00	
Date Validated: 04/02/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 19:49:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-024

Sample ID: AA43479
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 13:00:00	
Date Validated: 04/02/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 19:49:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-024

Sample ID: AA43479
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 13:00:00	
Date Validated: 04/02/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 19:49:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-024

Sample ID: AA43479
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 13:00:00	
Date Validated: 04/02/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 19:49:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-024

Sample ID: AA43479
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 13:00:00	
Date Validated: 04/02/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/1/2004 11:25:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	101	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	98.3	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	99.9	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	100	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-014

Sample ID: AA43480
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 14:15:00	
Date Validated: 04/02/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 08:15:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-014

Sample ID: AA43480
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 14:15:00	
Date Validated: 04/02/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 08:15:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-014

Sample ID: AA43480
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 14:15:00	
Date Validated: 04/02/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 08:15:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-014

Sample ID: AA43480
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 14:15:00	
Date Validated: 04/02/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 08:15:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-014

Sample ID: AA43480
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 14:15:00	
Date Validated: 04/02/04	Collected By: CLIENT	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/1/2004 12:10:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	105	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	101	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	104	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	99.6	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP3-2004-025

Sample ID: AA43510
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 15:45:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 13:49:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	6.31	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	5.59	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP3-2004-025

Sample ID: AA43510
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 15:45:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 13:49:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP3-2004-025

Sample ID: AA43510
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 15:45:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 13:49:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP3-2004-025

Sample ID: AA43510
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 15:45:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 13:49:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP3-2004-025

Sample ID: AA43510
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 15:45:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 10:03:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	110	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	108	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	103	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	95.2	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP4-2004-014

Sample ID: AA43511
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 16:55:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:06:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP4-2004-014

Sample ID: AA43511
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 16:55:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:06:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP4-2004-014

Sample ID: AA43511
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 16:55:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:06:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP4-2004-014

Sample ID: AA43511
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 16:55:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:06:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP4-2004-014

Sample ID: AA43511
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 16:55:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 10:05:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	107	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	103	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	101	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	94.0	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP3-2004-014

Sample ID: AA43512
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 16:30:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:32:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP3-2004-014

Sample ID: AA43512
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 16:30:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:32:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP3-2004-014

Sample ID: AA43512
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 16:30:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:32:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP3-2004-014

Sample ID: AA43512
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 16:30:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:32:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP3-2004-014

Sample ID: AA43512
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 16:30:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 10:11:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	107	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	107	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	102	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	94.4	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP4-2004-025

Sample ID: AA43513
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 17:00:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 13:23:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP4-2004-025

Sample ID: AA43513
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 17:00:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 13:23:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP4-2004-025

Sample ID: AA43513
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 17:00:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 13:23:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP4-2004-025

Sample ID: AA43513
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 17:00:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 13:23:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP4-2004-025

Sample ID: AA43513
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 17:00:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 10:14:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	109	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	107	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	102	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	97.5	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP2-2004-025

Sample ID: AA43514
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 15:20:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:58:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

Micro-Methods Laboratory, Inc.
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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP2-2004-025

Sample ID: AA43514
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 15:20:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:58:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP2-2004-025

Sample ID: AA43514
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 15:20:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:58:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP2-2004-025

Sample ID: AA43514
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 15:20:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:58:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP2-2004-025

Sample ID: AA43514
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 15:20:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 10:44:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	110	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	103	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	103	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	94.3	% Recovery		

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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP5-2004-014

Sample ID: AA43515
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:05:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 16:24:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP5-2004-014

Sample ID: AA43515
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:05:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 16:24:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP5-2004-014

Sample ID: AA43515
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:05:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 16:24:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP5-2004-014

Sample ID: AA43515
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:05:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 16:24:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP5-2004-014

Sample ID: AA43515
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:05:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 10:46:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	109	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	101	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	103	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	93.4	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP5-2004-025

Sample ID: AA43516
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:10:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 16:50:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

Micro-Methods Laboratory, Inc.
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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP5-2004-025

Sample ID: AA43516
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:10:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 16:50:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP5-2004-025

Sample ID: AA43516
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:10:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 16:50:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP5-2004-025

Sample ID: AA43516
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:10:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 16:50:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP5-2004-025

Sample ID: AA43516
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:10:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 10:49:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	111	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	108	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	101	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	94.2	% Recovery		

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP6-2004-025

Sample ID: AA43517
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 09:10:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 17:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP6-2004-025

Sample ID: AA43517
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 09:10:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 17:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP6-2004-025

Sample ID: AA43517
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 09:10:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 17:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP6-2004-025

Sample ID: AA43517
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 09:10:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 17:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP6-2004-025

Sample ID: AA43517
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 09:10:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 10:51:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	112	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	108	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	103	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	95.0	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP6-2004-014

Sample ID: AA43518
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 09:15:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 17:42:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP6-2004-014

Sample ID: AA43518
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 09:15:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 17:42:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP6-2004-014

Sample ID: AA43518
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 09:15:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 17:42:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP6-2004-014

Sample ID: AA43518
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 09:15:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 17:42:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP6-2004-014

Sample ID: AA43518
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 09:15:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 10:53:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	113	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	103	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	103	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	95.3	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: TBV 2371

Sample ID: AA43519
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:05:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 18:08:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: TBV 2371

Sample ID: AA43519
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:05:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 18:08:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: TBV 2371

Sample ID: AA43519
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:05:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 18:08:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: TBV 2371

Sample ID: AA43519
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:05:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 18:08:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: TBV 2371

Sample ID: AA43519
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:05:00	
Date Validated: 04/01/04	Collected By: L. TATER	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 10:56:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	111	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	105	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	94.5	% Recovery		

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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-015

Sample ID: AA43534
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:30:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 13:29:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-015

Sample ID: AA43534
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:30:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 13:29:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-015

Sample ID: AA43534
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:30:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 13:29:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-015

Sample ID: AA43534
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:30:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 13:29:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-015

Sample ID: AA43534
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:30:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 13:29:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	104	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	100	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	100	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	104	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-025

Sample ID: AA43535
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:15:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 13:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-025

Sample ID: AA43535
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:15:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 13:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-025

Sample ID: AA43535
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:15:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 13:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-025

Sample ID: AA43535
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:15:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 13:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-025

Sample ID: AA43535
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:15:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 13:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	103	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	99	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	104	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	101	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-040

Sample ID: AA43536
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:40:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 14:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	86.3	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	21.0	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-040

Sample ID: AA43536
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:40:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 14:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-040

Sample ID: AA43536
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:40:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 14:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-040

Sample ID: AA43536
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:40:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 14:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-040

Sample ID: AA43536
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:40:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 14:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	104	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	96	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	101	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	105	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP8-2004-015

Sample ID: AA43537
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 14:20:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 15:12:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP8-2004-015

Sample ID: AA43537
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 14:20:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 15:12:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP8-2004-015

Sample ID: AA43537
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 14:20:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 15:12:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP8-2004-015

Sample ID: AA43537
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 14:20:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 15:12:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP8-2004-015

Sample ID: AA43537
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 14:20:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 15:12:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	107	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	102	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	106	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	101	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP8-2004-025

Sample ID: AA43538
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 14:45:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 15:38:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP8-2004-025

Sample ID: AA43538
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 14:45:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 15:38:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP8-2004-025

Sample ID: AA43538
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 14:45:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 15:38:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP8-2004-025

Sample ID: AA43538
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 14:45:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 15:38:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP8-2004-025

Sample ID: AA43538
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 14:45:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 15:38:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	106	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	99	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	101	% Recovery		

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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP9-2004-015

Sample ID: AA43539
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:00:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 16:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	7.93	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP9-2004-015

Sample ID: AA43539
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:00:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 16:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP9-2004-015

Sample ID: AA43539
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:00:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 16:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP9-2004-015

Sample ID: AA43539
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:00:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 16:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP9-2004-015

Sample ID: AA43539
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:00:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 16:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	106	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	101	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	104	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	99	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP9-2004-025

Sample ID: AA43540
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:05:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 16:30:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP9-2004-025

Sample ID: AA43540
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:05:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 16:30:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP9-2004-025

Sample ID: AA43540
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:05:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 16:30:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP9-2004-025

Sample ID: AA43540
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:05:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 16:30:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP9-2004-025

Sample ID: AA43540
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:05:00	
Date Validated: 04/02/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 16:30:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	107	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	101	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	104	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	99	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP10-2004-015

Sample ID: AA43587
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 23:56:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP10-2004-015

Sample ID: AA43587
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 23:56:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP10-2004-015

Sample ID: AA43587
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 23:56:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP10-2004-015

Sample ID: AA43587
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 23:56:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP10-2004-015

Sample ID: AA43587
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 23:56:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	108	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	104	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	99	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP10-2004-025

Sample ID: AA43588
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 00:22:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

Micro-Methods Laboratory, Inc.

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP10-2004-025

Sample ID: AA43588
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 00:22:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP10-2004-025

Sample ID: AA43588
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 00:22:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP10-2004-025

Sample ID: AA43588
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 00:22:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP10-2004-025

Sample ID: AA43588
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 00:22:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	111	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	104	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	98	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP1A-2004-025

Sample ID: AA43589
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 11:25:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 00:48:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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6500 Sunplex Drive
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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP1A-2004-025

Sample ID: AA43589
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 11:25:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 00:48:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP1A-2004-025

Sample ID: AA43589
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 11:25:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 00:48:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP1A-2004-025

Sample ID: AA43589
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 11:25:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 00:48:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP1A-2004-025

Sample ID: AA43589
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 11:25:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 00:48:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	115	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	106	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	102	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	99	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP11-2004-014

Sample ID: AA43590
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:15:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 01:14:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP11-2004-014

Sample ID: AA43590
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:15:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 01:14:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP11-2004-014

Sample ID: AA43590
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:15:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 01:14:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP11-2004-014

Sample ID: AA43590
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:15:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 01:14:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP11-2004-014

Sample ID: AA43590
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:15:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 01:14:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	113	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	105	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	104	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	99	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP11-2004-024

Sample ID: AA43591
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 12:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 23:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

Micro-Methods Laboratory, Inc.

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP11-2004-024

Sample ID: AA43591
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 12:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 23:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP11-2004-024

Sample ID: AA43591
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 12:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 23:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP11-2004-024

Sample ID: AA43591
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 12:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 23:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP11-2004-024

Sample ID: AA43591
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 12:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 23:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	111	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	102	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	103	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	98	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP12-2004-014

Sample ID: AA43592
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 01:39:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP12-2004-014

Sample ID: AA43592
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 01:39:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP12-2004-014

Sample ID: AA43592
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 01:39:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP12-2004-014

Sample ID: AA43592
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 01:39:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP12-2004-014

Sample ID: AA43592
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 01:39:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	115	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	107	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	104	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	96	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP12-2004-024

Sample ID: AA43593
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:05:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP12-2004-024

Sample ID: AA43593
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:05:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP12-2004-024

Sample ID: AA43593
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:05:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP12-2004-024

Sample ID: AA43593
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:05:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP12-2004-024

Sample ID: AA43593
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 02:05:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	115	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	105	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	104	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	98	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP13-2004-014

Sample ID: AA43594
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 14:42:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:31:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP13-2004-014

Sample ID: AA43594
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 14:42:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:31:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP13-2004-014

Sample ID: AA43594
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 14:42:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:31:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP13-2004-014

Sample ID: AA43594
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 14:42:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:31:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP13-2004-014

Sample ID: AA43594
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 14:42:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 02:31:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	114	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	104	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	100	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP13-2004-025

Sample ID: AA43595
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 14:35:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:57:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP13-2004-025

Sample ID: AA43595
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 14:35:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:57:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP13-2004-025

Sample ID: AA43595
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 14:35:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:57:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP13-2004-025

Sample ID: AA43595
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 14:35:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:57:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP13-2004-025

Sample ID: AA43595
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 14:35:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 02:57:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	114	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	106	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	104	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	97	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP14-2004-012

Sample ID: AA43596
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 15:20:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 12:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP14-2004-012

Sample ID: AA43596
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 15:20:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 12:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP14-2004-012

Sample ID: AA43596
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 15:20:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 12:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP14-2004-012

Sample ID: AA43596
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 15:20:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 12:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP14-2004-012

Sample ID: AA43596
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 15:20:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 12:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	108	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	98.7	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	97.1	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP14-2004-022

Sample ID: AA43597
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 15:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 13:29:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

Micro-Methods Laboratory, Inc.

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP14-2004-022

Sample ID: AA43597
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 15:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 13:29:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP14-2004-022

Sample ID: AA43597
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 15:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 13:29:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

Micro-Methods Laboratory, Inc.
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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP14-2004-022

Sample ID: AA43597
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 15:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 13:29:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP14-2004-022

Sample ID: AA43597
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 15:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 13:29:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	109	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	99.9	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	102	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	96.4	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP15-2004-014

Sample ID: AA43598
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:35:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 13:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

Micro-Methods Laboratory, Inc.

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP15-2004-014

Sample ID: AA43598
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:35:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 13:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP15-2004-014

Sample ID: AA43598
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:35:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 13:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP15-2004-014

Sample ID: AA43598
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:35:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 13:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP15-2004-014

Sample ID: AA43598
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:35:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 13:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	108	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	102	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	103	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	95.9	% Recovery		

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP15-2004-024

Sample ID: AA43599
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:25:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 14:21:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

Micro-Methods Laboratory, Inc.

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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP15-2004-024

Sample ID: AA43599
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:25:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 14:21:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP15-2004-024

Sample ID: AA43599
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:25:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 14:21:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP15-2004-024

Sample ID: AA43599
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:25:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 14:21:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP15-2004-024

Sample ID: AA43599
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:25:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 14:21:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	110	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	104	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	94.8	% Recovery		

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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP16-2004-014

Sample ID: AA43600
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:35:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 14:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP16-2004-014

Sample ID: AA43600
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:35:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 14:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP16-2004-014

Sample ID: AA43600
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:35:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 14:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP16-2004-014

Sample ID: AA43600
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:35:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 14:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

Micro-Methods Laboratory, Inc.

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP16-2004-014

Sample ID: AA43600
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:35:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 14:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	111	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	103	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	106	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	97.5	% Recovery		

Micro-Methods Laboratory, Inc.

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP16-2004-024

Sample ID: AA43601
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 15:13:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP16-2004-024

Sample ID: AA43601
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 15:13:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP16-2004-024

Sample ID: AA43601
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 15:13:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP16-2004-024

Sample ID: AA43601
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 15:13:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP16-2004-024

Sample ID: AA43601
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 15:13:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	114	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	106	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	106	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	95.5	% Recovery		

APPENDIX C

DATA VALIDATION REPORTS

LABORATORY DATA CONSULTANTS, INC.
7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: 760/634-0439

Battelle
505 King Ave
Columbus, OH 43201-2693
ATTN: Ms. Lauren Tatar

June 15, 2004

SUBJECT: NCBC Gulfport, MS, Data Validation

Dear Ms. Tatar,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on June 4, 2004. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 12043:

SDG #	Fraction
03311548, 04011202, 04020825, 04021609, 04031108, 04051012, 04051310	Volatiles, Semivolatiles, Diesel Range Organics

The data validation was performed under EPA Level III and IV guidelines. The analyses were validated using the following documents, as applicable to each method:

- 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

Please feel free to contact us if you have any questions.

Sincerely,

for
Erlinda T. Rauto
Operations Manager/Senior Chemist

V:\LOGIN\Battelle\Mississippi\12043COV.wpd

Attachment 1

1 Week TAT

LDC #12043 (Battelle-Columbus, OH / NCBC Gulfport, MS)

LDC	SDG#	DATE REC'D	DATE DUE	VOA (8260B)		SVOA (8270C)		DRO (8015)																													
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	W	S
A	03311548	06/04/04	06/11/04	4	0	-	-	-	-																												
B	04011202	06/04/04	06/11/04	11	0	-	-	-	-																												
C	04020825	06/04/04	06/11/04	9	0	-	-	-	-																												
D	04021609	06/04/04	06/11/04	10	0	-	-	-	-																												
E	04031108	06/04/04	06/11/04	7	0	-	-	-	-																												
F	04051012	06/04/04	06/11/04	8	0	8	0	8	0																												
F	04051012	06/04/04	06/11/04	2	0	2	0	2	0																												
G	04051310	06/04/04	06/11/04	5	0	5	0	3	0																												
Total	B			56	0	15	0	13	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

Sha[illegible]s indicate Level IV validation (all other cells are Level III validation).

1204[illegible]d

NCBC Gulfport, MS
Data Validation Reports
LDC# 12043

Volatiles

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: March 31, 2004

LDC Report Date: June 7, 2004

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level IV

Laboratory: Micro-Methods Laboratory, Inc.

Sample Delivery Group (SDG): 03311548

Sample Identification

GP1-2004-010
GP1-2004-024
GP1-2004-014
GP1-2004-024MS

Introduction

This data review covers 4 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8260B for Volatiles.

This review follows 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 table summarizing all data qualification is provided at the end of this report. 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 XVI.

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.

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.

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
3/31/04	4-Methyl-2-pentanone	0.033 (≥0.05)	All samples in SDG 03311548	J (all detects) UJ (all non-detects)	A

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.

All of the continuing calibration RRF values were within method and validation criteria with the following exceptions:

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
3/31/04	4-Methyl-2-pentanone	0.033 (≥0.05)	GP1-2004-010 GP1-2004-024 GP1-2004-014 LB0331	J (all detects) UJ (all non-detects)	A
4/1/04	4-Methyl-2-pentanone	0.032 (≥0.05)	GP1-2004-024MS	J (all detects) UJ (all non-detects)	A

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile 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) samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

The laboratory has indicated that there were no matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) 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.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was within validation criteria.

XV. Overall Assessment of Data

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Volatiles - Data Qualification Summary - SDG 03311548

SDG	Sample	Compound	Flag	A or P	Reason
03311548	GP1-2004-010 GP1-2004-024 GP1-2004-014	4-Methyl-2-pentanone	J (all detects) UJ (all non-detects)	A	Initial calibration (RRF)
03311548	GP1-2004-010 GP1-2004-024 GP1-2004-014	4-Methyl-2-pentanone	J (all detects) UJ (all non-detects)	A	Continuing calibration (RRF)

NCBC Gulfport, MS
Volatiles - Laboratory Blank Data Qualification Summary - SDG 03311548

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Volatiles - Field Blank Data Qualification Summary - SDG 03311548

No Sample Data Qualified in this SDG

A

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-010

Sample ID: AA43478
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 12:35:00	
Date Validated: 4/2/04	Collected By: CLIENT	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 20:41:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	7.70	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-010

Sample ID: AA43478
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 12:35:00	
Date Validated: 4/2/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 20:41:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	UJ
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-010

Sample ID: AA43478
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 12:35:00	
Date Validated: 4/2/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 20:41:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-010

Sample ID: AA43478
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 12:35:00	
Date Validated: 4/2/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 20:41:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/16/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-010

Sample ID: AA43478
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 12:35:00	
Date Validated: 4/2/04	Collected By: CLIENT	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/1/2004 11:21:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	107	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	98.0	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	103	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	98.5	% Recovery		

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-024

Sample ID: AA43479
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 13:00:00	
Date Validated: 4/2/04	Collected By: CLIENT	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 19:49:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-024

Sample ID: AA43479
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 13:00:00	
Date Validated: 4/2/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 19:49:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20 UJ	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-024

Sample ID: AA43479
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 13:00:00	
Date Validated: 4/2/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 19:49:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-024

Sample ID: AA43479
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 13:00:00	
Date Validated: 4/2/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 19:49:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-024

Sample ID: AA43479
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 13:00:00	
Date Validated: 4/2/04	Collected By: CLIENT	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/1/2004 11:25:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	101	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	98.3	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	99.9	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	100	% Recovery		

6/10/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-014

Sample ID: AA43480
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 14:15:00	
Date Validated: 4/2/04	Collected By: CLIENT	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 08:15:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<5	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<5	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<5	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<5	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-014

Sample ID: AA43480
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 14:15:00	
Date Validated: 04/02/04	Collected By: CLIENT	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 08:15:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-014

Sample ID: AA43480
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 14:15:00	
Date Validated: 04/02/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 08:15:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20 UJ	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-014

Sample ID: AA43480
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 14:15:00	
Date Validated: 04/02/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 08:15:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-014

Sample ID: AA43480
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 14:15:00	
Date Validated: 04/02/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 3/31/2004 08:15:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport, MS
Client Sample Description: GP1-2004-014

Sample ID: AA43480
Lab File #: 03311548

General Information	Collection Data	Remarks
Sample Received : 3/31/2004	DateCollected: 3/31/2004	
Matrix: Liquid	TimeCollected: 14:15:00	
Date Validated: 04/02/04	Collected By: CLIENT	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/1/2004 12:10:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	105	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	101	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	104	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	99.6	% Recovery		

6/10/04

LDC #: 12043A1 **VALIDATION COMPLETENESS WORKSHEET** Date: 6/4/04
SDG #: 03311548 Level IV Page: 1 of 1
Laboratory: Micro-Methods Laboratory, Inc. Reviewer: [illegible]
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: 3/31/04
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	TW	%RSD, r^2
IV.	Continuing calibration	TW	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	MS only
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	
XII.	Compound quantitation/CRQLs	A	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	A	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
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:

1	GP1-2004-010 TW	11	LB0331	21		31	
2	GP1-2004-024	12		22		32	
3	GP1-2004-014	13		23		33	
4	GP1-2004-024MS	14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 12043A1
SDG #: 03311548

VALIDATION FINDINGS CHECKLIST

Reviewer: 9
2nd Reviewer: R

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? If Yes, what was the acceptance criteria used?	✓			
Did the initial calibration meet the curve fit acceptance criteria?	✓			
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.	✓			MS only
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?	✓			

LDC #: 12043A1
SDG #: 03311SF8

VALIDATION FINDINGS CHECKLIST

Reviewer: [illegible]
2nd Reviewer: [illegible]

Validation Area	Yes	No	NA	Findings/Comments
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
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.			✓	

LDC #: 12043A1
SDG #: 03311548

VALIDATION FINDINGS CHECKLIST

Reviewer: 9
2nd Reviewer: A

Validation Area	Yes	No	NA	Findings/Comments
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*	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 #: 12043A1
SDG #: 0311548

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Page: 1 of 1
Reviewer:
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 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
	8/31/04	ICAL	*		~~0.033~~ 0.034	MW + Blk	J / UJ / A
		* good response					

INIC

LDC #: 12043A1
SDG #: 033[redacted]78

VALIDATION FINDINGS WORKSHEET
Continuin[redacted]libration

Page: 1 of 1
Revie[redacted] a
2nd Reviewer: ✓

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 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
	3/31/04	0.331W050	Y		0.033	1-3, LB0331	✓ ~~R~~/A *
	4/1/04	# DC0401	Y		0.032	4	✓ ~~R~~/A *
		* good response					

CONCAL1S

LDC #: 10043A1
SDG #: 03311548

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: 9
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 (50 std)	Recalculated RRF (50 std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	ICAL	3/31/04	Methylene chloride (1st internal standard)	0.183	0.183	0.179 ~~0.180~~	0.179 ~~0.180~~	4.4	4.5
			~~Trichlorethene~~ CC (2nd internal standard)	2.441	2.441	2.365	2.365	9.43	9.6
			~~Toluene~~ RRR (3rd internal standard)	1.014	1.014	1.058	1.058	13.0	13.0
2			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						
3			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						
4			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (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 #: 12043A1
SDG #: 03311548

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: 9
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	0331W050	3/31/04	Methylene chloride (1st internal standard)	0.180	0.183	0.183	1.5	1.5
			~~Trichlorethene~~ EE (2nd internal standard)	2.330	2.441	2.441	4.8	4.8
			~~Toluene~~ TKK (3rd internal standard)	1.061	1.014	1.014	4.4	4.4
2	04011202	4/1/04	Methylene chloride (1st internal standard)	0.180	0.181	0.181	0.6	0.6
			~~Trichlorethene~~ EE (2nd internal standard)	2.330	2.403	2.403	3.1	3.1
			~~Toluene~~ TKK (3rd internal standard)	1.061	1.009	1.009	4.9	4.9
3			Methylene chloride (1st internal standard)					
			Trichlorethene (2nd internal standard)					
			Toluene (3rd internal standard)					
4			Methylene chloride (1st internal standard)					
			Trichlorethene (2nd internal standard)					
			Toluene (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 #: 12043A1
SDG #: 0331154 8

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: a
2nd reviewer: A

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: 1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8	50	51.34	103	103	0
Bromofluorobenzene	↑	49.23	98.5	98.5	↓
1,2-Dichloroethane-d4	↓	49.01	98	98	↓
Dibromofluoromethane	↓	53.34	107	107	↓

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 #: 120[redacted]A1
SDG #: 03311578

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Page: 1 of 1
Reviewer: 9
2nd Reviewer: 2

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: 4

Compound	Spike Added (µg/L)		Sample Concentration (µg/L)	Spiked Sample Concentration (µg/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	20	NA	ND	105	21.02	105	105				
Trichloroethene	↓		↓	99.5	19.94	99.5	99.7				
Benzene				106	21.37	106	107				
Toluene				104	20.70	104	104				
Chlorobenzene				105	21.08	105	105				

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.

MSDCLC.1SB

LDC #: 12043A1
SDG #: 0331154-8

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

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 = I LCS - LCSD I * 2/(LCS + LCSD)

LCS = Laboractry control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS ID: ~~B~~ LB0331

Compound	Spike Added (µg/L)		Spiked Sample Concentration (µg/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	20	20	20.51	20.83	102	102	104 ~~94~~	104	1.5 ~~8.5~~	1.5
Trichloroethene			20.71	19.85	104	104	99.5	99	~~5.6~~ 3.9	4.2
Benzene			21.10	20.59	106	106 ~~106~~	103	103	~~4.4~~ 2.4	2.4
Toluene			20.98	20.20	104	105	101	101	~~2.4~~ 3.4	3.8
Chlorobenzene			20.08	20.53	100	100	102	103	~~4.3~~ 2	2

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 #: 120431
SDG #: 03311548

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: 9
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. 1, I:

Conc. = $\frac{(28646)(50)(1)}{(501730)(0.372)(\quad)(\quad)}$

= 7.67 ug/L

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

LDC #:_____ VALIDATION FINDINGS CHECKLIST Page:___of___
SDG #:_____ Reviewer:_____
2nd Reviewer:_____

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? If Yes, what was the acceptance criteria used?				
Did the initial calibration meet the curve fit acceptance criteria?				
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?				

LDC #:_____ VALIDATION FINDINGS CHECKLIST Page:___of___
SDG #:_____ Reviewer:_____
2nd Reviewer:_____

Validation Area	Yes	No	NA	Findings/Comments
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?				
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.				

LDC #:_____
SDG #:_____

VALIDATION FINDINGS CHECKLIST

Page:___of___
Reviewer:_____
2nd Reviewer:_____

Validation Area	Yes	No	NA	Findings/Comments
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*	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 #:_____
SDG #:_____

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page:_____of_____
Reviewer:_____
2nd Reviewer:_____

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 (std)	Recalculated RRF (std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						
2			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						
3			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						
4			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (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 #:_____
SDG #:_____

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page:____of____
Reviewer:_____
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			Methylene chloride (1st internal standard)					
			Trichlorethene (2nd internal standard)					
			Toluene (3rd internal standard)					
2			Methylene chloride (1st internal standard)					
			Trichlorethene (2nd internal standard)					
			Toluene (3rd internal standard)					
3			Methylene chloride (1st internal standard)					
			Trichlorethene (2nd internal standard)					
			Toluene (3rd internal standard)					
4			Methylene chloride (1st internal standard)					
			Trichlorethene (2nd internal standard)					
			Toluene (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 #:_____
SDG #:_____

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page:____of____
Reviewer:_____
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:_____

	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					

Sample ID:_____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Dibromofluoromethane					

LDC #:_____
SDG #:_____

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Page:____of____
Reviewer:_____
2nd Reviewer:_____

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: _____

Compound	Spike Added ( )		Sample Concentration ( )	Spiked Sample Concentration ( )		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											
Trichloroethene											
Benzene											
Toluene											
Chlorobenzene											

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 #:_____
SDG #:_____

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Page:____of____
Reviewer:_____
2nd Reviewer:_____

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 = I LCS - LCSD I * 2/(LCS + LCSD)

LCS = Laboraotry control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS ID: _____

Compound	Spike Added ( )		Spiked Sample Concentration ( )		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene										
Trichloroethene										
Benzene										
Toluene										
Chlorobenzene										

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 #:_____
SDG #:_____

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page:____of____
Reviewer:_____
2nd reviewer:_____

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. _____ , _____:

Conc. = $\frac{(\_\_\_\_\_)(\_\_\_\_\_)(\_\_\_\_\_)}{(\_\_\_\_\_)(\_\_\_\_\_)(\_\_\_\_\_)(\_\_\_\_\_)}$

=

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: March 31 through April 1, 2004

LDC Report Date: June 7, 2004

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III

Laboratory: Micro-Methods Laboratory, Inc.

Sample Delivery Group (SDG): 04011202

Sample Identification

GP3-2004-025
GP4-2004-014
GP3-2004-014
GP4-2004-025
GP2-2004-025
GP5-2004-014
GP5-2004-025
GP6-2004-025
GP6-2004-014
TBV 2371
GP4-2004-025MS

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.

This review follows 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 table summarizing all data qualification is provided at the end of this report. 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 XVI.

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.

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.

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
3/31/04	4-Methyl-2-pentanone	0.033 (≥0.05)	All samples in SDG 04011202	J (all detects) UJ (all non-detects)	A

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.

All of the continuing calibration RRF values were within method and validation criteria with the following exceptions:

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
4/1/04	4-Methyl-2-pentanone	0.032 (≥0.05)	All samples in SDG 04011202	J (all detects) UJ (all non-detects)	A

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks.

Sample TBV 2371 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) samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

The laboratory has indicated that there were no matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) 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.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Volatiles - Data Qualification Summary - SDG 04011202

SDG	Sample	Compound	Flag	A or P	Reason
04011202	GP3-2004-025 GP4-2004-014 GP3-2004-014 GP4-2004-025 GP2-2004-025 GP5-2004-014 GP5-2004-025 GP6-2004-025 GP6-2004-014 TBV 2371	4-Methyl-2-pentanone	J (all detects) UJ (all non-detects)	A	Initial calibration (RRF)
04011202	GP3-2004-025 GP4-2004-014 GP3-2004-014 GP4-2004-025 GP2-2004-025 GP5-2004-014 GP5-2004-025 GP6-2004-025 GP6-2004-014 TBV 2371	4-Methyl-2-pentanone	J (all detects) UJ (all non-detects)	A	Continuing calibration (RRF)

NCBC Gulfport, MS
Volatiles - Laboratory Blank Data Qualification Summary - SDG 04011202

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Volatiles - Field Blank Data Qualification Summary - SDG 04011202

No Sample Data Qualified in this SDG

B

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP3-2004-025

Sample ID: AA43510
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 15:45:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 13:49:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	6.31	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	5.59	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP3-2004-025

Sample ID: AA43510
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 15:45:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 13:49:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20 uJ	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP3-2004-025

Sample ID: AA43510
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 15:45:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 13:49:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP3-2004-025

Sample ID: AA43510
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 15:45:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 13:49:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

4/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP3-2004-025

Sample ID: AA43510
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 15:45:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 10:03:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	110	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	108	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	103	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	95.2	% Recovery		

Gabor

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP4-2004-014

Sample ID: AA43511
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 16:55:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:06:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP4-2004-014

Sample ID: AA43511
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 16:55:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:06:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20 UJ	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

4/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP4-2004-014

Sample ID: AA43511
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 16:55:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:06:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP4-2004-014

Sample ID: AA43511
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 16:55:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:06:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP4-2004-014

Sample ID: AA43511
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 16:55:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 10:05:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	107	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	103	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	101	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	94.0	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP3-2004-014

Sample ID: AA43512
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 16:30:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:32:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP3-2004-014

Sample ID: AA43512
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 16:30:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:32:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20 UJ	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP3-2004-014

Sample ID: AA43512
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 16:30:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:32:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP3-2004-014

Sample ID: AA43512
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 16:30:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:32:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP3-2004-014

Sample ID: AA43512
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 16:30:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 10:11:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	107	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	107	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	102	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	94.4	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP4-2004-025

Sample ID: AA43513
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/11/2004	
Matrix: Water	TimeCollected: 17:00:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 13:23:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP4-2004-025

Sample ID: AA43513
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/11/2004	
Matrix: Water	TimeCollected: 17:00:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 13:23:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20 UJ	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP4-2004-025

Sample ID: AA43513
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/11/2004	
Matrix: Water	TimeCollected: 17:00:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 13:23:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

G8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP4-2004-025

Sample ID: AA43513
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/11/2004	
Matrix: Water	TimeCollected: 17:00:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 13:23:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP4-2004-025

Sample ID: AA43513
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/11/2004	
Matrix: Water	TimeCollected: 17:00:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 10:14:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	109	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	107	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	102	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	97.5	% Recovery		

6/8/04

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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP2-2004-025

Sample ID: AA43514
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 15:20:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:58:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP2-2004-025

Sample ID: AA43514
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 15:20:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:58:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20 UJ	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP2-2004-025

Sample ID: AA43514
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 15:20:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:58:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP2-2004-025

Sample ID: AA43514
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 15:20:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 15:58:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP2-2004-025

Sample ID: AA43514
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 3/31/2004	
Matrix: Water	TimeCollected: 15:20:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 10:44:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	110	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	103	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	103	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	94.3	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP5-2004-014

Sample ID: AA43515
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:05:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 16:24:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP5-2004-014

Sample ID: AA43515
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:05:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 16:24:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20 UJ	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP5-2004-014

Sample ID: AA43515
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:05:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 16:24:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP5-2004-014

Sample ID: AA43515
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:05:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 16:24:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP5-2004-014

Sample ID: AA43515
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:05:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 10:46:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	109	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	101	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	103	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	93.4	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP5-2004-025

Sample ID: AA43516
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:10:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 16:50:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP5-2004-025

Sample ID: AA43516
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:10:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 16:50:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20 UJ	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP5-2004-025

Sample ID: AA43516
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:10:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 16:50:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP5-2004-025

Sample ID: AA43516
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:10:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 16:50:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP5-2004-025

Sample ID: AA43516
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:10:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 10:49:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	111	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	108	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	101	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	94.2	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP6-2004-025

Sample ID: AA43517
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 09:10:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 17:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/18/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP6-2004-025

Sample ID: AA43517
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 09:10:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 17:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20 UJ	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP6-2004-025

Sample ID: AA43517
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 09:10:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 17:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

4/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP6-2004-025

Sample ID: AA43517
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 09:10:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 17:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP6-2004-025

Sample ID: AA43517
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 09:10:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 10:51:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	112	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	108	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	103	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	95.0	% Recovery		

Gatelock

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP6-2004-014

Sample ID: AA43518
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 09:15:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 17:42:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP6-2004-014

Sample ID: AA43518
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 09:15:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 17:42:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20 UJ	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP6-2004-014

Sample ID: AA43518
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 09:15:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 17:42:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
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Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP6-2004-014

Sample ID: AA43518
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 09:15:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 17:42:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: GP6-2004-014

Sample ID: AA43518
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 09:15:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 10:53:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	113	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	103	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	103	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	95.3	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: TBV 2371

Sample ID: AA43519
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:05:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 18:08:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

4/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: TBV 2371

Sample ID: AA43519
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:05:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 18:08:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20 UJ	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

4/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: TBV 2371

Sample ID: AA43519
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:05:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 18:08:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: TBV 2371

Sample ID: AA43519
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:05:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/1/2004 18:08:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: Battelle
Client Sample Description: TBV 2371

Sample ID: AA43519
Lab File #: 04011202

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 08:05:00	
Date Validated: 4/2/04	Collected By: L. TATER	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 10:56:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	111	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	105	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	94.5	% Recovery		

6/8/04

LDC #: 12043B1

SDG #: 04011202

Laboratory: Micro-Methods Laboratory, Inc.

VALIDATION COMPLETENESS WORKSHEET

Level III

Date: 6/7/04

Page: 1 of 1

Reviewer:

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: 3/31 - 4/1/04
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	SW	%RSD, r²
IV.	Continuing calibration	SW	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	US only. client specified
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	ND	TB=10

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	GP3-2004-025	11	GP4-2004-025MS	21		31	
2	GP4-2004-014	12	LB0401	22		32	
3	GP3-2004-014	13		23		33	
4	GP4-2004-025	14		24		34	
5	GP2-2004-025	15		25		35	
6	GP5-2004-014	16		26		36	
7	GP5-2004-025	17		27		37	
8	GP6-2004-025	18		28		38	
9	GP6-2004-014	19		29		39	
10	TBV 2371	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 #: 12043B1
SDG #: 04011202

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Page: 1 of 1
Reviewer: a
2nd Reviewer: h

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
	3/31/04	1CAL	X		0.033	M+BK	J/UJ/A*

INIC

LDC #: 120431
SDG #: 040[redacted]02

VALIDATION FINDINGS WORKSHEET
Continuin[redacted]libration

Pa[redacted] 1 of 1
Revie[redacted]
2nd Reviewer:

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 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
	4/1/04	04011202	Y		0.032	M+Bk	Y/UJ/A *
		* good response (see level V)					

CONCAL1S

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: April 1, 2004

LDC Report Date: June 7, 2004

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III

Laboratory: Micro-Methods Laboratory, Inc.

Sample Delivery Group (SDG): 04020825

Sample Identification

GP7-2004-015
GP7-2004-025
GP7-2004-040
GP7-2004-040DUP
GP8-2004-015
GP8-2004-025
GP9-2004-015
GP9-2004-025
GP7-2004-015MS

Introduction

This data review covers 9 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8260B for Volatiles.

This review follows 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 table summarizing all data qualification is provided at the end of this report. 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 XVI.

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.

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.

Average relative response factors (RRF) for all volatile target compounds and system performance check compounds (SPCCs) were within method and validation criteria.

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.

All of the continuing calibration RRF values were within method and validation criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile 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) samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	%R (Limits)	Flag	A or P
GP7-2004-015MS (GP7-2004-015)	2-Hexanone	132 (45-130)	J (all detects)	A

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) 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.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Volatiles - Data Qualification Summary - SDG 04020825

SDG	Sample	Compound	Flag	A or P	Reason
04020825	GP7-2004-015	2-Hexanone	J (all detects)	A	Matrix spike/Matrix spike duplicates (%R)

NCBC Gulfport, MS
Volatiles - Laboratory Blank Data Qualification Summary - SDG 04020825

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Volatiles - Field Blank Data Qualification Summary - SDG 04020825

No Sample Data Qualified in this SDG

Micro-Methods Laboratory, Inc.

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C

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-015

Sample ID: AA43534
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:30:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 13:29:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-015

Sample ID: AA43534
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:30:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 13:29:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-015

Sample ID: AA43534
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:30:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 13:29:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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6500 Sunplex Drive
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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-015

Sample ID: AA43534
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:30:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 13:29:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-015

Sample ID: AA43534
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:30:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 13:29:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	104	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	100	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	100	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	104	% Recovery		

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Ocean Springs, MS 39564
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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-025

Sample ID: AA43535
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:15:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 13:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-025

Sample ID: AA43535
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:15:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 13:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-025

Sample ID: AA43535
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:15:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 13:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-025

Sample ID: AA43535
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:15:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 13:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-025

Sample ID: AA43535
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:15:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 13:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	103	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	99	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	104	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	101	% Recovery		

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Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-040

Sample ID: AA43536
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:40:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 14:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	86.3	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	21.0	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-040

Sample ID: AA43536
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:40:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 14:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-040

Sample ID: AA43536
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:40:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 14:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-040

Sample ID: AA43536
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:40:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 14:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP7-2004-040

Sample ID: AA43536
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:40:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 14:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	104	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	96	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	101	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	105	% Recovery		

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Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP8-2004-015

Sample ID: AA43537
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 14:20:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B; Water

Analyst: LLS Date/Time: 4/2/2004 15:12:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP8-2004-015

Sample ID: AA43537
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 14:20:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 15:12:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP8-2004-015

Sample ID: AA43537
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 14:20:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 15:12:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP8-2004-015

Sample ID: AA43537
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 14:20:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 15:12:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP8-2004-015

Sample ID: AA43537
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 14:20:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 15:12:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	107	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	102	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	106	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	101	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP8-2004-025

Sample ID: AA43538
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 14:45:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 15:38:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP8-2004-025

Sample ID: AA43538
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 14:45:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 15:38:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP8-2004-025

Sample ID: AA43538
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 14:45:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 15:38:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP8-2004-025

Sample ID: AA43538
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 14:45:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 15:38:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP8-2004-025

Sample ID: AA43538
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 14:45:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 15:38:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	106	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	99	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	101	% Recovery		

6/6/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP9-2004-015

Sample ID: AA43539
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:00:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 16:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	7.93	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP9-2004-015

Sample ID: AA43539
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:00:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 16:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP9-2004-015

Sample ID: AA43539
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:00:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 16:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP9-2004-015

Sample ID: AA43539
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:00:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 16:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP9-2004-015

Sample ID: AA43539
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:00:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 16:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	106	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	101	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	104	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	99	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP9-2004-025

Sample ID: AA43540
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:05:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 16:30:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP9-2004-025

Sample ID: AA43540
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:05:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 16:30:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP9-2004-025

Sample ID: AA43540
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:05:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 16:30:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP9-2004-025

Sample ID: AA43540
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:05:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 16:30:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP9-2004-025

Sample ID: AA43540
Lab File #: 04020825

General Information	Collection Data	Remarks
Sample Received : 4/1/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:05:00	
Date Validated: 4/2/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 16:30:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	107	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	101	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	104	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	99	% Recovery		

6/8/04

LDC #: 12043C1

SDG #: 04020825

Laboratory: Micro-Methods Laboratory, Inc.

VALIDATION COMPLETENESS WORKSHEET

Level III

Date: 4/7/04

Page: 1 of 1

Reviewer:

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: 4/1/04
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	%RSD. r^2
IV.	Continuing calibration	A	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates MDUP	SW/A	
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
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:

MI H2Os

1	GP7-2004-015	11	LB040 2	21		31	
2	GP7-2004-025	12		22		32	
3	GP7-2004-040	13		23		33	
4	GP7-2004-040 ~~RE~~ DUP	14		24		34	
5	GP8-2004-015	15		25		35	
6	GP8-2004-025	16		26		36	
7	GP9-2004-015	17		27		37	
8	GP9-2004-025	18		28		38	
9	GP7-2004-015MS	19		29		39	
10		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 #: [illegible]
SDG #: [illegible]

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1
Reviewer: [illegible]
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
		9	2	13 (45-130)	( )	( )	1	J detects / 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%

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: April 2, 2004

LDC Report Date: June 7, 2004

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III

Laboratory: Micro-Methods Laboratory, Inc.

Sample Delivery Group (SDG): 04021609

Sample Identification

GP10-2004-015
GP10-2004-025
GP1A-2004-025
GP11-2004-014
GP11-2004-024
GP12-2004-014
GP12-2004-024
GP13-2004-014
GP13-2007-025
GP11-2004-024MS

Introduction

This data review covers 10 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8260B for Volatiles.

This review follows 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 table summarizing all data qualification is provided at the end of this report. 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 XVI.

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.

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.

Average relative response factors (RRF) for all volatile target compounds and system performance check compounds (SPCCs) were within method and validation criteria.

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.

All of the continuing calibration RRF values were within method and validation criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile 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) samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

The laboratory has indicated that there were no and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) 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.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Volatiles - Data Qualification Summary - SDG 04021609

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Volatiles - Laboratory Blank Data Qualification Summary - SDG 04021609

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Volatiles - Field Blank Data Qualification Summary - SDG 04021609

No Sample Data Qualified in this SDG

D

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP10-2004-015

Sample ID: AA43587
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 23:56:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifier
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

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Client: Battelle
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Sample Description: NCBC GULFPORT
Client Sample Description: GP10-2004-015

Sample ID: AA43587
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General Information	Collection Data	Remarks
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Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 23:56:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

4/8/04

Micro-Methods Laboratory, Inc.

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Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
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Sample Description: NCBC GULFPORT
Client Sample Description: GP10-2004-015

Sample ID: AA43587
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 23:56:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP10-2004-015

Sample ID: AA43587
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 23:56:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP10-2004-015

Sample ID: AA43587
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 23:56:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	108	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	104	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	99	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP10-2004-025

Sample ID: AA43588
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 00:22:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8 of

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP10-2004-025

Sample ID: AA43588
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 00:22:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP10-2004-025

Sample ID: AA43588
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 00:22:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP10-2004-025

Sample ID: AA43588
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 00:22:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP10-2004-025

Sample ID: AA43588
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 00:22:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	111	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	104	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	98	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GR1A-2004-025

Sample ID: AA43589
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 11:25:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 00:48:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP1A-2004-025

Sample ID: AA43589
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 11:25:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 00:48:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP1A-2004-025

Sample ID: AA43589
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 11:25:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 00:48:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP1A-2004-025

Sample ID: AA43589
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 11:25:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 00:48:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP1A-2004-025

Sample ID: AA43589
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 11:25:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 00:48:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	115	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	106	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	102	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	99	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP11-2004-014

Sample ID: AA43590
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:15:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 01:14:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP11-2004-014

Sample ID: AA43590
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:15:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 01:14:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP11-2004-014

Sample ID: AA43590
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:15:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 01:14:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP11-2004-014

Sample ID: AA43590
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:15:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 01:14:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Micro-Methods Laboratory, Inc.
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Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP11-2004-014

Sample ID: AA43590
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:15:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 01:14:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	113	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	105	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	104	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	99	% Recovery		

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Micro-Methods Laboratory, Inc.

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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP11-2004-024

Sample ID: AA43591
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 12:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 23:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP11-2004-024

Sample ID: AA43591
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 12:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 23:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP11-2004-024

Sample ID: AA43591
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 12:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 23:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP11-2004-024

Sample ID: AA43591
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 12:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/2/2004 23:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP11-2004-024

Sample ID: AA43591
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 12:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/2/2004 23:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	111	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	102	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	103	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	98	% Recovery		

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Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP12-2004-014

Sample ID: AA43592
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 01:39:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

4/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP12-2004-014

Sample ID: AA43592
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 01:39:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP12-2004-014

Sample ID: AA43592
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 01:39:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP12-2004-014

Sample ID: AA43592
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 01:39:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP12-2004-014

Sample ID: AA43592
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:45:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 01:39:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	115	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	107	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	104	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	96	% Recovery		

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Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP12-2004-024

Sample ID: AA43593
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:05:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP12-2004-024

Sample ID: AA43593
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:05:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

4/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP12-2004-024

Sample ID: AA43593
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:05:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP12-2004-024

Sample ID: AA43593
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:05:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP12-2004-024

Sample ID: AA43593
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:55:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 02:05:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	115	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	105	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	104	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	98	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP13-2004-014

Sample ID: AA43594
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 14:42:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:31:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP13-2004-014

Sample ID: AA43594
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 14:42:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:31:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP13-2004-014

Sample ID: AA43594
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 14:42:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:31:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP13-2004-014

Sample ID: AA43594
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 14:42:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:31:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP13-2004-014

Sample ID: AA43594
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 14:42:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 02:31:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	114	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	104	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	100	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP13-2004-025

Sample ID: AA43595
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 14:35:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:57:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP13-2004-025

Sample ID: AA43595
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 14:35:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:57:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

9/6/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP13-2004-025

Sample ID: AA43595
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 14:35:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:57:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP13-2004-025

Sample ID: AA43595
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 14:35:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 02:57:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC GULFPORT
Client Sample Description: GP13-2004-025

Sample ID: AA43595
Lab File #: 04021629

General Information	Collection Data	Remarks
Sample Received : 4/2/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 14:35:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 02:57:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	114	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	106	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	104	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	97	% Recovery		

6/8/04

LDC #: 12043D1

SDG #: 04021609

Laboratory: Micro-Methods Laboratory, Inc.

VALIDATION COMPLETENESS WORKSHEET

Level III

Date: 6/7/04

Page: 1 of 1

Reviewer:

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: 4/2/04
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	%RSD. r²
IV.	Continuing calibration	A	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	MS only
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
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:

MS+DS

1	GP10-2004-015	11	LB0402	21		31	
2	GP10-2004-025	12		22		32	
3	GP1A-2004-025	13		23		33	
4	GP11-2004-014	14		24		34	
5	GP11-2004-024	15		25		35	
6	GP12-2004-014	16		26		36	
7	GP12-2004-024	17		27		37	
8	GP13-2004-014	18		28		38	
9	GP13-2007-025	19		29		39	
10	GP11-2004-024MS	20		30		40	

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: April 2, 2004

LDC Report Date: June 7, 2004

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III

Laboratory: Micro-Methods Laboratory, Inc.

Sample Delivery Group (SDG): 04031108

Sample Identification

GP14-2004-012
GP14-2004-022
GP15-2004-014
GP15-2004-024
GP16-2004-014
GP16-2004-024
GP14-2004-012MS

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 8260B for Volatiles.

This review follows 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 table summarizing all data qualification is provided at the end of this report. 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 XVI.

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.

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.

Average relative response factors (RRF) for all volatile target compounds and system performance check compounds (SPCCs) were within method and validation criteria.

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
4/3/04	Dichlorodifluoromethane 2-Chloroethylvinyl ether	27.1 30.9	All samples in SDG 04031108	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were within method and validation criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile 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) samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

The laboratory has indicated that there were no matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) 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.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Volatiles - Data Qualification Summary - SDG 04031108

SDG	Sample	Compound	Flag	A or P	Reason
04031108	GP14-2004-012 GP14-2004-022 GP15-2004-014 GP15-2004-024 GP16-2004-014 GP16-2004-024	Dichlorodifluoromethane 2-Chloroethylvinyl ether	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)

NCBC Gulfport, MS
Volatiles - Laboratory Blank Data Qualification Summary - SDG 04031108

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Volatiles - Field Blank Data Qualification Summary - SDG 04031108

No Sample Data Qualified in this SDG

Micro-Methods Laboratory, Inc.

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(228) 875-6420

E

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP14-2004-012

Sample ID: AA43596
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 15:20:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 12:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5 UJ	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP14-2004-012

Sample ID: AA43596
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 15:20:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 12:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10 UJ	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP14-2004-012

Sample ID: AA43596
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 15:20:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 12:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP14-2004-012

Sample ID: AA43596
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 15:20:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 12:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP14-2004-012

Sample ID: AA43596
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 15:20:00	
Date Validated: 04/05/04	Collected By: L. TATAR	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 12:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	108	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	98.7	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	97.1	% Recovery		

6/10/04

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6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP14-2004-022

Sample ID: AA43597
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 15:45:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 13:29:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5 UJ	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP14-2004-022

Sample ID: AA43597
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 15:45:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 13:29:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10 UJ	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP14-2004-022

Sample ID: AA43597
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 15:45:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 13:29:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP14-2004-022

Sample ID: AA43597
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 15:45:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 13:29:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP14-2004-022

Sample ID: AA43597
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 15:45:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 13:29:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	109	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	99.9	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	102	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	96.4	% Recovery		

6/10/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP15-2004-014

Sample ID: AA43598
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:35:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 13:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5 US	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/16/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP15-2004-014

Sample ID: AA43598
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:35:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 13:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10 UJ	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP15-2004-014

Sample ID: AA43598
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:35:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 13:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP15-2004-014

Sample ID: AA43598
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:35:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 13:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP15-2004-014

Sample ID: AA43598
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:35:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 13:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	108	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	102	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	103	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	95.9	% Recovery		

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP15-2004-024

Sample ID: AA43599
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:25:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 14:21:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5 UJ	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP15-2004-024

Sample ID: AA43599
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:25:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 14:21:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10 UJ	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP15-2004-024

Sample ID: AA43599
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:25:00	
Date Validated: 06/09/04	Collected By: L TATAR	
Validated by HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 14:21:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP15-2004-024

Sample ID: AA43599
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:25:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 14:21:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP15-2004-024

Sample ID: AA43599
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:25:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 14:21:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	110	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	104	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	94.8	% Recovery		

6/16/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP16-2004-014

Sample ID: AA43600
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:35:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 14:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5 UJ	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP16-2004-014

Sample ID: AA43600
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:35:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 14:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10 UJ	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP16-2004-014

Sample ID: AA43600
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:35:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 14:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP16-2004-014

Sample ID: AA43600
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:35:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 14:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP16-2004-014

Sample ID: AA43600
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:35:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 14:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	111	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	103	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	106	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	97.5	% Recovery		

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP16-2004-024

Sample ID: AA43601
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:45:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 15:13:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5 UJ	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP16-2004-024

Sample ID: AA43601
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:45:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 15:13:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10 UJ	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP16-2004-024

Sample ID: AA43601
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received . 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:45:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 15:13:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP16-2004-024

Sample ID: AA43601
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:45:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/3/2004 15:13:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/10/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT
Sample Description: NCBC Gulfport
Client Sample Description: GP16-2004-024

Sample ID: AA43601
Lab File #: 04031108

General Information	Collection Data	Remarks
Sample Received : 4/3/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 16:45:00	
Date Validated: 06/09/04	Collected By: L. TATAR	
Validated by HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/3/2004 15:13:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	114	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	106	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	106	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	95.5	% Recovery		

6/10/04

LDC #: 12043E1

SDG #: 04031108

Laboratory: Micro-Methods Laboratory, Inc.

VALIDATION COMPLETENESS WORKSHEET

Level III

Date: 6/7/04

Page: 1 of 1

Reviewer:

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: 4/2/04
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	%RSD. r²
IV.	Continuing calibration	TW	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	MS only. client specified
VIII.	Laboratory control samples	A	LCS/D.
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
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:

MW H2Os

1	GP14-2004-012	11	LB0403	21		31	
2	GP14-2004-022	12		22		32	
3	GP15-2004-014	13		23		33	
4	GP15-2004-024	14		24		34	
5	GP16-2004-014	15		25		35	
6	GP16-2004-024	16		26		36	
7	GP14-2004-012MS	17		27		37	
8		18		28		38	
9		19		29		39	
10		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 #: 12043E1
SDG #: 04031108

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: [illegible]
2nd Reviewer: [illegible]

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 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
	4/3/04	DC0403	VV	27.1		All + Blk	J/UJ/A
			LL	30.9			↓

CO[illegible]S

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: April 1 through April 2, 2004

LDC Report Date: June 7, 2004

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III & IV

Laboratory: Micro-Methods Laboratory, Inc.

Sample Delivery Group (SDG): 04051012

Sample Identification

GPT-6-4-2004
GPT-6-4-2004-DUP
GPT-6-5-2004**
GPT-6-7-2004
GPT-6-6-2004
RB-2004
GPT-6-1-2004
GPT-6-2-2004**
GPT-6-8-2004
RB-2004MS

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 10 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8260B for Volatiles.

This review follows 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 table summarizing all data qualification is provided at the end of this report. 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 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.

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.

Average relative response factors (RRF) for all volatile target compounds and system performance check compounds (SPCCs) were within method and validation criteria.

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.

All of the continuing calibration RRF values were within method and validation criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks.

Sample RB-2004 was identified as a rinsate 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) samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

The laboratory has indicated that there were no matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) 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 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.

XV. Overall Assessment of Data

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples GPT-6-4-2004 and GPT-6-4-2004-DUP were identified as field duplicates. No volatiles were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/L)		RPD
	GPT-6-4-2004	GPT-6-4-2004-DUP	
Vinyl chloride	49.2	64.7	27
Chloroethane	179	202	12
1,1-Dichloroethane	49.8	56.1	12
1,1,1-Trichloroethane	10.2	11.6	13
Toluene	5.18	6.78	27
Naphthalene	11.8	13.6	14
1,1-Dichloroethene	5U	10.5	200
m,p-Xylenes	5U	8.69	200
o-Xylene	5U	6.39	200
1,2,4-Trimethylbenzene	5U	12.7	200

NCBC Gulfport, MS
Volatiles - Data Qualification Summary - SDG 04051012

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Volatiles - Laboratory Blank Data Qualification Summary - SDG 04051012

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Volatiles - Field Blank Data Qualification Summary - SDG 04051012

No Sample Data Qualified in this SDG

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

F

Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004

Sample ID: AA43606
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 09:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 16:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	49.2	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	179	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	49.8	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

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(228) 875-6420

Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004

Sample ID: AA43606
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 09:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 16:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	10.2	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	5.18	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

5/18/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004

Sample ID: AA43606
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 09:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 16:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004

Sample ID: AA43606
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 09:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 16:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	11.8	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004

Sample ID: AA43606
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 09:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/20/2004 09:58:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	101	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	91.1	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	102	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	96.8	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43609
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 09:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 17:18:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	64.7	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	202	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	10.5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	56.1	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
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Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43609
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 09:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 17:18:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	11.6	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<5	ug/L	20	
SW 8260B	108-88-3	Toluene	6.78	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43609
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 09:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 17:18:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	8.69	ug/L	5	
SW 8260B	95-47-6	o-Xylene	6.39	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	12.7	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

Fulbert

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43609
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 09:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 17:18:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	13.6	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

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Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43609
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 09:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/20/2004 10:02:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	102	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	99.9	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	98.7	% Recovery		

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Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43610
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 09:00:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 995 MLS
Analyst: HEC Date/Time: 4/7/2004 17:03:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

Folder

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Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43612
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:50:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 17:44:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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(228) 875-6420

Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43612
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:50:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 17:44:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Micro-Methods Laboratory, Inc.

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(228) 875-6420

Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43612
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:50:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 17:44:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43612
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:50:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 17:44:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43612
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:50:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/20/2004 10:07:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	103	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	100	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	106	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	99.9	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43618
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 11:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 18:36:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	52	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

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Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43618
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 11:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 18:36:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

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Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43618
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 11:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 18:36:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	6.78	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43618
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 11:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 18:36:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	21.6	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

Cd8/04

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Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43618
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 11:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/20/2004 10:12:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	92.4	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	95.4	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	98.5	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	100	% Recovery		

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Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43615
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 18:10:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43615
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 18:10:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

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(228) 875-6420

Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43615
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 18:10:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Micro-Methods Laboratory, Inc.

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(228) 875-6420

Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43615
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 18:10:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
W 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43615
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/20/2004 10:09:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	103	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	104	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	101	% Recovery		

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Micro-Methods Laboratory, Inc.

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(228) 875-6420

Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43621
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:02:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

Gilford

Micro-Methods Laboratory, Inc.

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(228) 875-6420

Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43621
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:02:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

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(228) 875-6420

Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43621
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:02:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43621
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:02:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43621
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/20/2004 10:24:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	107	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	102	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	97.0	% Recovery		

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Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43624
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 12:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:28:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43624
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 12:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:28:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

4/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43624
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 12:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:28:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43624
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 12:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:28:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43624
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 12:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/20/2004 10:27:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	95.5	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	95.6	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	97.8	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	100	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43627
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:58:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:54:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43627
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:58:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:54:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43627
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:58:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:54:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43627
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:58:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 19:54:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43627
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:58:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/20/2004 10:34:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	102	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	96.8	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	101	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	101	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43630
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 13:20:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 20:20:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	53.5	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

Tabd

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43630
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 13:20:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 20:20:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43630
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 13:20:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 20:20:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	6.85	ug/L	5	
SW 8260B	NA	m&p-Xylene	7.29	ug/L	5	
SW 8260B	95-47-6	o-Xylene	24.7	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	21.9	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43630
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 13:20:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/5/2004 20:20:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	107	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43630
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 13:20:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/20/2004 10:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	104	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	99.2	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	96.7	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	98.4	% Recovery		

6/8/04

LDC #: 12043F1

SDG #: 04051012

Laboratory: Micro-Methods Laboratory, Inc.

VALIDATION COMPLETENESS WORKSHEET

Level III/IV

Date: 6/7/04

Page: 1 of 1

Reviewer: AT

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: 4/1-2/04
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	%RSD. r^2
IV.	Continuing calibration	A	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	MS only. client specified
VIII.	Laboratory control samples	A	LCS/D
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.	Tentitatively 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	ND	RB = 6. ~~TB = 1~~

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

MH2O

1	GPT-6-4-2004	11	~~TB-1796~~	21		31	
2	GPT-6-4-2004-DUP	12	LB0405	22		32	
3	GPT-6-5-2004**	13		23		33	
4	GPT-6-7-2004	14		24		34	
5	GPT-6-6-2004	15		25		35	
6	RB-2004	16		26		36	
7	GPT-6-1-2004	17		27		37	
8	GPT-6-2-2004**	18		28		38	
9	GPT-6-8-2004	19		29		39	
10	RB-2004MS	20		30		40	

LDC #: 12043F1
SDG #: 04051012

VALIDATION FINDINGS CHECKLIST

Reviewer: 9
2nd Reviewer:

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? If Yes, what was the acceptance criteria used?	✓			
Did the initial calibration meet the curve fit acceptance criteria?	✓			
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?	✓			

LDC #: 62043F1
SDG #: 04057012

VALIDATION FINDINGS CHECKLIST

Reviewer: 9
2nd Reviewer:

Validation Area	Yes	No	NA	Findings/Comments
VIII. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			
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.	✓			

LDC #: 12043F1
SDG #: 04057012

VALIDATION FINDINGS CHECKLIST

Reviewer: 9
2nd Reviewer:

Validation Area	Yes	No	NA	Findings/Comments
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*	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 chloride**	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 #: 12043F1
SDG #: 04051012

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: 9
2nd reviewer:

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 (ug/L)		RPD
	1	2	
C	49.2	64.7	27
D	179	202	12
F	49.8	~~FO~~ 56.1	12
N	10.2	11.6	13
CC	5.18	6.78	27
MMM	11.8	13.6	14

Compound	Concentration ( )		RPD
H	5U	10.5	200
RRR	↓	8.69	↓
SSS	↓	6.39	↓
DDD	↓	12.7	↓

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

LDC #: 1204[redacted]F1
SDG #: 0405101 2

VALIDATION FIND[redacted]GS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: 9
2nd Reviewer:

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 (50 std)	Recalculated RRF (50 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL	4/5/04	Methylene chloride (1st internal standard)	0.184	0.184	0.192	0.192	9.85	9.79 ~~0.02~~
			~~Trichlorethene~~ CE (2nd internal standard)	2.367	2.367	~~3~~ 2.314	2.314	11.44	11.44
			~~Toluene~~ NNN (3rd internal standard)	0.981	0.981	1.006	1.006	9.14	9.14
2			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						
3			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (3rd internal standard)						
4			Methylene chloride (1st internal standard)						
			Trichlorethene (2nd internal standard)						
			Toluene (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.

INICLC.1SB

LDC #: 12043F1
SDG #: 04057012

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer:
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			Methylene chloride (1st internal standard)					
			Trichlorethene (2nd internal standard)					
			Toluene (3rd internal standard)					
2			Methylene chloride (1st internal standard)					
			Trichlorethene (2nd internal standard)					
			Toluene (3rd internal standard)					
3			Methylene chloride (1st internal standard)					
			Trichlorethene (2nd internal standard)					
			Toluene (3rd internal standard)					
4			Methylene chloride (1st internal standard)					
			Trichlorethene (2nd internal standard)					
			Toluene (3rd internal standard)					

See 1C

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 #: 12043F1
SDG #: 0405101²

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: [illegible]
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: 3

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8	50	52.87	106	106	0
Bromofluorobenzene	↓	49.97	99.9	99.9	↓
1,2-Dichloroethane-d4	↓	50.24	100	100	↓
Dibromofluoromethane	↓	51.45	103	103	↓

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 #: 12043F1
SDG #: 04051012

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Page: 1 of 1
Reviewer: a
2nd Reviewer:

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: 10

Compound	Spike Added (µg/L)		Sample Concentration (µg/L)	Spiked Sample Concentration (µg/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	20	NA	ND	21.03	NA	105	105				
Trichloroethene	↓	↓	↓	21.45	↓	107	107				
Benzene				20.51		103	103				
Toluene				20.99		105	105				
Chlorobenzene				20.11		101	101				

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 #: 12043F1
SDG #: 04[redacted]12

VALIDATION FIND[redacted]NGS WORKSHEET
Laboratory Control Sa[redacted]e Results Verification

Pa[redacted]: 1 of 1
Revie[redacted] 9
2nd Reviewer: _____

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 = I LCS - LCSD I * 2/(LCS + LCSD) LCS = Laboraotry control sample percent recovery LCSD = Laboratory control sample duplicate percent recovery

LCS ID: LCS/D

Compound	Spike Added (µg/L)		Spiked Sample Concentration (µg/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	20	20	16.76	16.89	83.8	83.8	84.4	84.4	0.77	0.77
Trichloroethene	↓	↓	17.81	19.32	89.0	89.0	96.6	96.6	8.1	8.1
Benzene	↓	↓	18.51	18.75	92.6	92.6	93.8	93.8	1.3	1.3
Toluene	↓	↓	18.08	18.67	90.4	90.4	93.4	93.4	3.2	3.2
Chlorobenzene	↓	↓	18.72	19.17	93.6	93.6	95.8	95.8	2.4	2.4

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.

LCSCLC.1SB

LDC #: 2043F1
SDG #: 0405012

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: 9
2nd reviewer: _____

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. ND, 3, 8:

Conc. = ( ) ( ) ( ) / ( ) ( ) ( ) ( )

=

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: April 1 through April 2, 2004

LDC Report Date: June 7, 2004

Matrix: Water

Parameters: Semivolatiles

Validation Level: EPA Level III & IV

Laboratory: Micro-Methods Laboratory, Inc.

Sample Delivery Group (SDG): 04051012

Sample Identification

GPT-6-4-2004
GPT-6-4-2004-DUP
GPT-6-5-2004**
GPT-6-7-2004
GPT-6-6-2004
RB-2004
GPT-6-1-2004
GPT-6-2-2004**
GPT-6-8-2004
TBS-1796

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 10 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8270C for Semivolatiles.

This review follows 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 table summarizing all data qualification is provided at the end of this report. 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 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.

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.

Average relative response factors (RRF) for all semivolatile target compounds and system performance check compounds (SPCCs) 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) with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
4/6/04	Di-n-octylphthalate	24.6	LB2435	None	P

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 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.

Sample RB-2004 was identified as a rinsate blank. No semivolatile 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

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Flag	A or P
2437LCS/D (GPT-6-7-2004 GPT-6-2-2004** LB2437)	4-Nitrophenol N-Nitrosodimethylamine Phenol	- - -	- - -	92 (≤63) 73 (≤58) 100 (≤44)	J (all detects) UJ (all non-detects)	P

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 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.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples GPT-6-4-2004 and GPT-6-4-2004-DUP were identified as field duplicates. No semivolatiles were detected in any of the samples.

NCBC Gulfport, MS
Semivolatiles - Data Qualification Summary - SDG 04051012

SDG	Sample	Compound	Flag	A or P	Reason
04051012	GPT-6-7-2004 GPT-6-2-2004**	4-Nitrophenol N-Nitrosodimethylamine Phenol	J (all detects) UJ (all non-detects)	P	Laboratory control samples (RPD)

NCBC Gulfport, MS
Semivolatiles - Laboratory Blank Data Qualification Summary - SDG 04051012

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Semivolatiles - Field Blank Data Qualification Summary - SDG 04051012

No Sample Data Qualified in this SDG

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004

Sample ID: AA43607
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 09:00:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/6/2004 12:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

6/8/04

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Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004

Sample ID: AA43607
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 09:00:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/6/2004 12:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

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Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004

Sample ID: AA43607
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 09:00:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/6/2004 12:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

4/8/04

Micro-Methods Laboratory, Inc.

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Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004

Sample ID: AA43607
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 09:00:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/6/2004 12:47:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

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Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004

Sample ID: AA43607
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 09:00:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***QAQC***

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/12/2004 09:23:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	29	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	18	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	36	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	32	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	52	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	39	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
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Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43610
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 09:00:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 995 MLS
Analyst: HEC Date/Time: 4/7/2004 17:03:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43610
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 09:00:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 995 MLS
Analyst: HEC Date/Time: 4/7/2004 17:03:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43610
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 09:00:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 995 MLS
Analyst: HEC Date/Time: 4/7/2004 17:03:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

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Micro-Methods Laboratory, Inc.

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(228) 875-6420

Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43610
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 09:00:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: *QAQC*

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/14/2004 09:36:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	27	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	16	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	26	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	24	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	45	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	31	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43613
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:50:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 17:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43613
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:50:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 17:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

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Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43613
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:50:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 17:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

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Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43613
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:50:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 17:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

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Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43613
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:50:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***QAQC***

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/12/2004 09:35:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	26	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	16	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	29	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	24	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	54	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	51	% Recovery		

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Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43619
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 06/08/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:15:00 Collected By: CLIENT	***The following addendum represents corrected extraction date information. This addendum should replace original report.***

Department: *ORGANIC*

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 18:10:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43619
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 06/08/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:15:00 Collected By: CLIENT	***The following addendum represents corrected extraction date information. This addendum should replace original report.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 18:10:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43619
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 06/08/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:15:00 Collected By: CLIENT	***The following addendum represents corrected extraction date information. This addendum should replace original report.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 18:10:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43619
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 06/08/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:15:00 Collected By: CLIENT	***The following addendum represents corrected extraction date information. This addendum should replace original report.***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst HEC Date/Time: 4/7/2004 18:10:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43619
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 06/08/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 11:15:00 Collected By: CLIENT	***The following addendum represents corrected extraction date information. This addendum should replace original report.***

Department: *QAQC*

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/12/2004 09:36:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	25	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	15	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	24	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	20	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	42	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	29	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43616
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/15/2004 17:31:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10 UJ	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10 UJ	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43616
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/15/2004 17:31:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10 UJ	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43616
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/15/2004 17:31:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

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Micro-Methods Laboratory, Inc.

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(228) 875-6420

Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43616
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/15/2004 17:31:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
W 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

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Micro-Methods Laboratory, Inc.

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Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43616
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***QAQC***

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/16/2004 11:54:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	70	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	13	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	75	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	73	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	77	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	68	% Recovery		

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Micro-Methods Laboratory, Inc.

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Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43622
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 18:45:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43622
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 18:45:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

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Micro-Methods Laboratory, Inc.

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(228) 875-6420

Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43622
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 18:45:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43622
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 18:45:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

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Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43622
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: *QAQC*

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/12/2004 09:37:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	32	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	20	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	33	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	29	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	58	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	54	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43625
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 12:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 19:18:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43625
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 12:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 19:18:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43625
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 12:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 19:18:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43625
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 12:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 19:18:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

6/8/04

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(228) 875-6420

Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43625
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 12:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***QAQC***

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/12/2004 09:39:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	27	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	16	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	25	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	22	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	47	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	38	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.

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(228) 875-6420

Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43628
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:52:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 980 MLS
Analyst: HEC Date/Time: 4/15/2004 18:05:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10 UJ	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10 UJ	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43628
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:52:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 980 MLS
Analyst: HEC Date/Time: 4/15/2004 18:05:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10 UJ	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43628
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:52:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 980 MLS
Analyst: HEC Date/Time: 4/15/2004 18:05:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

6/8/04

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6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43628
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:52:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 980 MLS
Analyst: HEC Date/Time: 4/15/2004 18:05:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

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Micro-Methods Laboratory, Inc.

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Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43628
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:52:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: *QAQC*

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/16/2004 11:55:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	47	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	46	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	50	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	43	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	54	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	59	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43631
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 13:20:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 19:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43631
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 13:20:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 19:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	24.7	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	23.3	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
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Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43631
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 13:20:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 19:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43631
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 13:20:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 19:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43631
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 13:20:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***QAQC***

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/12/2004 09:41:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	25	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	15	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	32	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	29	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	47	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	36	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT9
Sample Description: Battelle NCBC Gulfport T. Blk
Client Sample Description: TBS 1796

Sample ID: AA43633
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 13:00:00	
Date Validated: 05/12/04	Collected By: MICRO METHODS	
Validated by: HPH		

Department: ***ORGANIC***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 995 MLS
Analyst: HEC Date/Time: 4/7/2004 20:26:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT9
Sample Description: Battelle NCBC Gulfport T. Blk
Client Sample Description: TBS 1796

Sample ID: AA43633
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 13:00:00	
Date Validated: 05/12/04	Collected By: MICRO METHODS	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 995 MLS
Analyst: HEC Date/Time: 4/7/2004 20:26:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

Folder 4

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT9
Sample Description: Battelle NCBC Gulfport T. Blk
Client Sample Description: TBS 1796

Sample ID: AA43633
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 13:00:00	
Date Validated: 05/12/04	Collected By: MICRO METHODS	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 995 MLS
Analyst: HEC Date/Time: 4/7/2004 20:26:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

4/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT9
Sample Description: Battelle NCBC Gulfport T. Blk
Client Sample Description: TBS 1796

Sample ID: AA43633
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 13:00:00	
Date Validated: 05/12/04	Collected By: MICRO METHODS	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 995 MLS
Analyst: HEC Date/Time: 4/7/2004 20:26:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT9
Sample Description: Battelle NCBC Gulfport T. Blk
Client Sample Description: TBS 1796

Sample ID: AA43633
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 13:00:00	
Date Validated: 05/12/04	Collected By: MICRO METHODS	
Validated by: HPH		

Department: ***QAQC***

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/12/2004 09:42:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	23	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	13	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	41	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	39	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	34	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	32	% Recovery		

6/8/04

LDC #: 12043F2

VALIDATION COMPLETENESS WORKSHEET

Level III/IV

SDG #: 04051012

Laboratory: Micro-Methods Laboratory, Inc.

Date: 6/7/04

Page: 1 of 1

Reviewer: [illegible]

2nd Reviewer: [illegible]

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: 4/1 - 2/04
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	% RSD, r^2
IV.	Continuing calibration	SW	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	direct spiked
VIII.	Laboratory control samples	SW	LCS/D
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.	Tentitatively 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 = 1+2
XVII.	Field blanks	ND	FB = 6

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

MH2O

1 1	GPT-6-4-2004	11 1	LB2435	21		31	
2 1	GPT-6-4-2004-DUP	12 2	LB2437	22		32	
3 1	GPT-6-5-2004**	13		23		33	
4 2	GPT-6-7-2004	14		24		34	
5 1	GPT-6-6-2004	15		25		35	
6 1	RB-2004	16		26		36	
7 1	GPT-6-1-2004	17		27		37	
8 2	GPT-6-2-2004**	18		28		38	
9 1	GPT-6-8-2004	19		29		39	
10 1	TBS-1796	20		30		40	

LDC #: 12043F2
SDG #: 04057012

VALIDATION FINDINGS CHECKLIST

Reviewer: 9
2nd Reviewer: [illegible]

Method: Semivolatiles (EPA SW 846 Method 8270C)

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 DFTPP 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? If Yes, what was the acceptance criteria used?	✓			
Did the initial calibration meet the curve fit acceptance criteria?	✓			
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 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 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?			✓	
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?	✓	✓		

LDC #: 12043F2
SDG #: 04057012

VALIDATION FINDINGS CHECKLIST

Reviewer: 9
2nd Reviewer: A

Validation Area	Yes	No	NA	Findings/Comments
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. Internal standards				
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?	✓			
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.	✓			

LDC #: 12043F2
SDG #: 04057012

VALIDATION FINDINGS CHECKLIST

Reviewer: R
2nd Reviewer: R

Validation Area	Yes	No	NA	Findings/Comments
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.		✓		

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

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.

LDC #: 6043[illegible]2
SDG #: 040[illegible]2

VALIDATION FIND[illegible]S WORKSHEET
Continuing [illegible]libration

P[illegible] 1 of 1
Revi[illegible]
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

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
	4/6/04	DC406	FFF **	24.6 (≤ 20)		432435	None/P

** CCC

CONCAL2S

LDC #: 10437F2
SDG #: 0409012

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: 9
2nd Reviewer: 2

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS/LCSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	Date	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		2437LCS/D	11	( )	( )	92 (≤63)	4.8.432437	J/UJ/P
			000	( )	( )	73 (≤58)		
			A	( )	( )	100 (≤44)		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
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				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		

LDC #: 12431
SDG #: 040[redacted]17

VALIDATION FINDINGS WORKSHEET
Initial Calibration C[redacted]ulation Verification

Page: 1 of 1
Rev[redacted]: 9
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

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	ICAL	4/1/04	Phenol (1st internal standard)	1.724	1.724	1.762	1.762	2.08	2.08
			Naphthalene (2nd internal standard)	1.099	1.099	1.086	1.086	2.48	2.49
			Fluorene (3rd internal standard)	1.313	1.313	1.314	1.314	4.50	4.50
			~~Pentachlorophenol~~ NU (4th internal standard)	1.227	1.227	1.233	1.233	2.41	2.40
			Bis(2-ethylhexyl)phthalate (5th internal standard)	0.748	0.748	0.747	0.747	2.61	2.61
			Benzo(a)pyrene (6th internal standard)	1.524	1.524	1.547	1.547	2.39	2.39
2	ICAL	4/15/04	Phenol (1st internal standard)	1.727	1.727	1.707	1.707	3.59	3.59
			Naphthalene (2nd internal standard)	1.042	1.042	1.052	1.052	2.40	2.40
			Fluorene (3rd internal standard)	1.371	1.371	1.357	1.357	4.49	4.49
			~~Pentachlorophenol~~ NU (4th internal standard)	1.164	1.164	1.189	1.189	3.28	3.28
			Bis(2-ethylhexyl)phthalate (5th internal standard)	0.670	0.670	0.663	0.663	8.72	8.74
			Benzo(a)pyrene (6th internal standard)	1.562	1.562	1.541	1.541	5.55	5.56
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 #: 3F2
SDG #: 0405012

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

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	DC406	4/6/04	Phenol (1st internal standard)	1.762	1.787	1.787	1.4	1.4
			Naphthalene (2nd internal standard)	1.086	1.099	1.099	1.2	1.2
			Fluorene (3rd internal standard)	1.314	1.307	1.307	0.5	0.5
			~~Pentachlorophenol~~ UU (4th internal standard)	1.233	1.237	1.237	0.3	0.3
			Bis(2-ethylhexyl)phthalate (5th internal standard)	0.747	0.692	0.692	7.4	7.4
			Benzo(a)pyrene (6th internal standard)	1.547	1.504	1.504	2.8	2.8
2	DC407	4/7/04	Phenol (1st internal standard)	1.762	1.707	1.707	3.1	3.1
			Naphthalene (2nd internal standard)	1.086	1.085	1.085	0.1	0.1
			Fluorene (3rd internal standard)	1.314	1.298	1.298	1.2	1.2
			~~Pentachlorophenol~~ UU (4th internal standard)	1.233	1.236	1.236	0.2	0.2
			Bis(2-ethylhexyl)phthalate (5th internal standard)	0.747	0.730	0.730	2.3	2.3
			Benzo(a)pyrene (6th internal standard)	1.547	1.461	1.461	5.6	5.6
3	DC408	4/8/04	Phenol (1st internal standard)	1.762	1.781	1.781	1.1	1.1
			Naphthalene (2nd internal standard)	1.086	1.109	1.109	2.1	2.1
			Fluorene (3rd internal standard)	1.314	1.364	1.364	3.8	3.8
			~~Pentachlorophenol~~ UU (4th internal standard)	1.233	1.225	1.225	0.6	0.6
			Bis(2-ethylhexyl)phthalate (5th internal standard)	0.747	0.775	0.775	3.7	3.8
			Benzo(a)pyrene (6th internal standard)	1.547	1.540	1.540	0.5	0.5

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 #: 12043F2
SDG #: 0405/012

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: [illegible]
2nd reviewer: [illegible]

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270)

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	50	14.49	29	29	0
2-Fluorobiphenyl	↓	12.14	24	24	↓
Terphenyl-d14	↓	25.72	51	51	↓
Phenol-d5	100	15.76	16	16	↓
2-Fluorophenol	↓	26.38	26	26	↓
2,4,6-Tribromophenol	↓	54.19	54	54	↓
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 #: 12043F2
SDG #: 04051012

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Page: 1 of 1
Reviewer: 9
2nd Reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

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 = I LCS - LCSD I * 2/(LCS + LCSD)

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples: 2435LCS/D

Compound	Spike Added (µg/L)		Spike Concentration (µg/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
Phenol	100	100	13.31	18.64	13.3	13.3	18.6	18.6	33	33
2-Chlorophenol	↓	↓	35.05	48.42	35.1	35.1	48.4	48.4	32	32
1,4-Dichlorobenzene	50	50	12.86	19.72	25.8	25.7	39.4	39.4	42	42
N-Nitroso-di-n-propylamine	↓	↓	17.14	26.34	34.2	34.7	52.6	52.7	42	42
1,2,4-Trichlorobenzene	↓	↓	13.21	19.27	26.4	26.4	38.6	38.5	38	37
4-Chloro-3-methylphenol	100	100	42.41	55.01	42.4	42.4	55.0	55.0	26	26
Acenaphthene	50	50	18.58	27.49	37.2	37.2	55.0	55.0	39	39
4-Nitrophenol	100	100	21.58	24.33	21.6	21.6	24.3	24.3	12	12
2,4-Dinitrotoluene	50	50	33.25	41.22	66.6	66.5	82.4	82.4	21	21
Pentachlorophenol	100	100	77.66	86.45	77.7	77.7	86.5	86.5	11	11
Pyrene	50	50	36.48	45.75	73.0	73.0	91.6	91.5	23	23

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 #: 12043F2
SDG #: 04057012

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: [illegible]
2nd reviewer: [illegible]

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

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 = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

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. 3.8 . ND:

Conc. = ( )( )( )( )( )
( )( )( )( )( )

=

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

RECALC.2S

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: April 2 through April 3, 2004

LDC Report Date: June 7, 2004

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III

Laboratory: Micro-Methods Laboratory, Inc.

Sample Delivery Group (SDG): 04051310

Sample Identification

GPT-6-3-2004
GPT-PZA-2004
FB-2004
TBV-2370
GPT-6-3-2004MS

Introduction

This data review covers 5 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8260B for Volatiles.

This review follows 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 table summarizing all data qualification is provided at the end of this report. 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 XVI.

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.

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.

Average relative response factors (RRF) for all volatile target compounds and system performance check compounds (SPCCs) were within method and validation criteria.

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.

All of the continuing calibration RRF values were within method and validation criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks.

Sample TBV-2370 was identified as a trip blank. No volatile contaminants were found in this blank.

Sample FB-2004 was identified as a field 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) samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

The laboratory has indicated that there were no and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) 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.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Volatiles - Data Qualification Summary - SDG 04051310

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Volatiles - Laboratory Blank Data Qualification Summary - SDG 04051310

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Volatiles - Field Blank Data Qualification Summary - SDG 04051310

No Sample Data Qualified in this SDG

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

G

Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43643
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 14:45:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: *ORGANIC*

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 14:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Sample ID: AA43643
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 14:45:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 14:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43643
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 14:45:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 14:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43643
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 14:45:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 14:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

Micro-Methods Laboratory, Inc.
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(228) 875-6420

Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43643
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 14:45:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/15/2004 14:10:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	105	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	98.3	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	104	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	98.8	% Recovery		

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Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43646
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/3/2004	
Matrix: water	TimeCollected: 10:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 15:08:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43646
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/3/2004	
Matrix: water	TimeCollected: 10:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 15:08:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43646
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/3/2004	
Matrix: water	TimeCollected: 10:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 15:08:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43646
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/3/2004	
Matrix: water	TimeCollected: 10:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 15:08:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43646
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/3/2004	
Matrix: water	TimeCollected: 10:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/15/2004 15:06:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	107	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	101	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	103	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	97.1	% Recovery		

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Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43649
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 11:40:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 15:34:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

Micro-Methods Laboratory, Inc.

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Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43649
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 11:40:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 15:34:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

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Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43649
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 11:40:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 15:34:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43649
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 11:40:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 15:34:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43649
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 11:40:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***QAQC***

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/15/2004 15:09:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	105	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	99.6	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	101	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	95.7	% Recovery		

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Client: Battelle
Client Code: BAT9
Sample Description: Battelle NCBC Gulfport T. Blk
Client Sample Description: TBV 2370

Sample ID: AA43652
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 11:40:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 16:00:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-71-8	Dichlorodifluoromethane	<5	ug/L	5	
SW 8260B	74-87-3	Chloromethane	<5	ug/L	5	
SW 8260B	75-01-4	Vinyl chloride	<5	ug/L	5	
SW 8260B	74-83-9	Bromomethane	<5	ug/L	5	
SW 8260B	75-00-3	Chloroethane	<5	ug/L	5	
SW 8260B	75-69-4	Trichlorofluoromethane	<5	ug/L	5	
SW 8260B	60-29-7	Diethyl ether	<5	ug/L	5	
SW 8260B	75-35-4	1,1-Dichloroethene	<5	ug/L	5	
SW 8260B	75-15-0	Carbon Disulfide	<5	ug/L	5	
SW 8260B	75-09-2	Methylene chloride	<5	ug/L	5	
SW 8260B	107-13-1	Acrylonitrile	<5	ug/L	5	
SW 8260B	156-60-5	trans-1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	107-02-8	Acrolein	<50	ug/L	50	
SW 8260B	1634-04-4	Methyl-tert-Butyl ether	<5	ug/L	5	
SW 8260B	67-64-1	Acetone	<50	ug/L	50	
SW 8260B	75-34-3	1,1-Dichloroethane	<5	ug/L	5	
SW 8260B	108-05-4	Vinyl Acetate	<10	ug/L	10	
SW 8260B	78-93-3	2-Butanone	<20	ug/L	20	
SW 8260B	594-20-7	2,2-Dichloropropane	<5	ug/L	5	
SW 8260B	156-59-2	cis -1,2-Dichloroethene	<5	ug/L	5	
SW 8260B	74-97-5	Bromochloromethane	<5	ug/L	5	

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6500 Sunplex Drive
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(228) 875-6420

Client: Battelle
Client Code: BAT9
Sample Description: Battelle NCBC Gulfport T. Blk
Client Sample Description: TBV 2370

Sample ID: AA43652
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 11:40:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 16:00:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	109-99-9	Tetrahydrofuran	<5	ug/L	5	
SW 8260B	67-66-3	Chloroform	<5	ug/L	5	
SW 8260B	71-55-6	1,1,1-Trichloroethane	<5	ug/L	5	
SW 8260B	56-23-5	Carbon tetrachloride	<5	ug/L	5	
SW 8260B	563-58-6	1,1-Dichloropropene	<5	ug/L	5	
SW 8260B	71-43-2	Benzene	<5	ug/L	5	
SW 8260B	107-06-2	1,2-Dichloroethane	<5	ug/L	5	
SW 8260B	79-01-6	Trichloroethene	<5	ug/L	5	
SW 8260B	78-87-5	1,2-Dichloropropane	<5	ug/L	5	
SW 8260B	74-95-3	Dibromomethane	<5	ug/L	5	
SW 8260B	75-27-4	Bromodichloromethane	<5	ug/L	5	
SW 8260B	110-75-8	2-Chloroethyl Vinyl ether	<10	ug/L	10	
SW 8260B	10061-01-5	cis-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	108-10-1	4-Methyl-2-Pentanone	<20	ug/L	20	
SW 8260B	108-88-3	Toluene	<5	ug/L	5	
SW 8260B	10061-02-6	trans-1,3-Dichloropropene	<5	ug/L	5	
SW 8260B	79-00-5	1,1,2-Trichloroethane	<5	ug/L	5	
SW 8260B	127-18-4	Tetrachloroethene	<5	ug/L	5	
SW 8260B	142-28-9	1,3-Dichloropropane	<5	ug/L	5	
SW 8260B	591-78-6	2-Hexanone	<20	ug/L	20	
SW 8260B	124-48-1	Dibromochloromethane	<5	ug/L	5	
SW 8260B	106-93-4	1,2-Dibromoethane	<5	ug/L	5	
SW 8260B	630-20-6	1,1,1,2-Tetrachloroethane	<5	ug/L	5	

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT9
Sample Description: Battelle NCBC Gulfport T. Blk
Client Sample Description: TBV 2370

Sample ID: AA43652
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 11:40:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 16:00:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	108-90-7	Chlorobenzene	<5	ug/L	5	
SW 8260B	100-41-4	Ethylbenzene	<5	ug/L	5	
SW 8260B	NA	m&p-Xylene	<5	ug/L	5	
SW 8260B	95-47-6	o-Xylene	<5	ug/L	5	
SW 8260B	100-42-5	Styrene	<5	ug/L	5	
SW 8260B	75-25-2	Bromoform	<5	ug/L	5	
SW 8260B	98-82-8	Isopropylbenzene	<5	ug/L	5	
SW 8260B	108-86-1	Bromobenzene	<5	ug/L	5	
SW 8260B	79-34-5	1,1,2,2-Tetrachloroethane	<5	ug/L	5	
SW 8260B	103-65-1	Propylbenzene	<5	ug/L	5	
SW 8260B	95-49-8	2-Chlorotoluene	<5	ug/L	5	
SW 8260B	106-43-4	4-Chlorotoluene	<5	ug/L	5	
SW 8260B	108-67-8	1,3,5-Trimethylbenzene	<5	ug/L	5	
SW 8260B	98-06-6	tert-Butylbenzene	<5	ug/L	5	
SW 8260B	95-63-6	1,2,4-Trimethylbenzene	<5	ug/L	5	
SW 8260B	135-98-8	sec-Butylbenzene	<5	ug/L	5	
SW 8260B	541-73-1	1,3-Dichlorobenzene	<5	ug/L	5	
SW 8260B	106-46-7	1,4-Dichlorobenzene	<5	ug/L	5	
SW 8260B	99-87-6	p-Isopropyltoluene	<5	ug/L	5	
SW 8260B	95-50-1	1,2-Dichlorobenzene	<5	ug/L	5	
SW 8260B	104-51-8	n-Butylbenzene	<5	ug/L	5	
SW 8260B	96-12-8	1,2-Dibromo-3-chloropropane	<20	ug/L	20	
SW 8260B	120-82-1	1,2,4-Trichlorobenzene	<5	ug/L	5	

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Client: Battelle
Client Code: BAT9
Sample Description: Battelle NCBC Gulfport T. Blk
Client Sample Description: TBV 2370

Sample ID: AA43652
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 11:40:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Total Volatile Analysis 8260B: Water

Analyst: LLS Date/Time: 4/6/2004 16:00:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	87-68-3	Hexachlorobutadiene	<5	ug/L	5	
SW 8260B	91-20-3	Naphthalene	<10	ug/L	10	
SW 8260B	87-61-6	1,2,3-Trichlorobenzene	<5	ug/L	5	

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(228) 875-6420

Client: Battelle
Client Code: BAT9
Sample Description: Battelle NCBC Gulfport T. Blk
Client Sample Description: TBV 2370

Sample ID: AA43652
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 11:40:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: *QAQC*

SW-846 VOA Surrogate Recovery: Water

Analyst: LLS Date/Time: 4/15/2004 15:12:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8260B	75-61-6	Dibromofluoromethane (Surr.)	108	% Recovery		
SW 8260B	17060-07-0	1,2-Dichloroethane-d4 (Surr.)	105	% Recovery		
SW 8260B	2037-26-5	Toluene-d8 (Surr.)	105	% Recovery		
SW 8260B	460-00-4	4-Bromofluorobenzene (Surr.)	97.4	% Recovery		

LDC #: 12043G1

SDG #: 04051310

Laboratory: Micro-Methods Laboratory, Inc.

VALIDATION COMPLETENESS WORKSHEET

Level III

Date: 6/7/04

Page: 1 of 1

Reviewer:

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: 4/8 2-3/04
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	%RSD. r²
IV.	Continuing calibration	A	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	MS only
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	ND	FB=3. TB=4

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:

MH=05

1	GPT-6-3-2004	11	LB0340T	21		31	
2	GPT-PZA-2004	12		22		32	
3	FB-2004	13		23		33	
4	TBV-2370	14		24		34	
5	GPT-6-3-2004MS	15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

NCBC Gulfport, MS
Data Validation Reports
LDC# 12043

Semivolatiles

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: April 2 through April 3, 2004

LDC Report Date: June 7, 2004

Matrix: Water

Parameters: Semivolatiles

Validation Level: EPA Level III

Laboratory: Micro-Methods Laboratory, Inc.

Sample Delivery Group (SDG): 04051310

Sample Identification

GPT-6-3-2004
GPT-PZA-2004
FB-2004
GPT-6-3-2004MS
FB-2004MS

Introduction

This data review covers 5 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8270C for Semivolatiles.

This review follows 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 table summarizing all data qualification is provided at the end of this report. 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 XVI.

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.

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.

Average relative response factors (RRF) for all semivolatile target compounds and system performance check compounds (SPCCs) 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) with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
4/6/04	Di-n-octylphthalate	24.6	LB2435	None	P

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 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.

Sample FB-2004 was identified as a field blank. No semivolatile 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) samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

The laboratory has indicated that there were no matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Flag	A or P
2437LCS/D (FB-2004 LB2437)	4-Nitrophenol	-	-	92 (≤63)	J (all detects)	P
	N-Nitrosodimethylamine	-	-	73 (≤58)	UJ (all non-detects)	
	Phenol	-	-	100 (≤44)		

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

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Semivolatiles - Data Qualification Summary - SDG 04051310

SDG	Sample	Compound	Flag	A or P	Reason
04051310	FB-2004	4-Nitrophenol N-Nitrosodimethylamine Phenol	J (all detects) UJ (all non-detects)	P	Laboratory control samples (RPD)

NCBC Gulfport, MS
Semivolatiles - Laboratory Blank Data Qualification Summary - SDG 04051310

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Semivolatiles - Field Blank Data Qualification Summary - SDG 04051310

No Sample Data Qualified in this SDG

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43644
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 14:45:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: *ORGANIC*

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 20:59:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43644
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 14:45:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 20:59:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43644
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 14:45:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 20:59:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43644
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 14:45:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/7/2004 20:59:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43644
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 14:45:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: *QAQC*

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/12/2004 10:11:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	23	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	14	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	20	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	17	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	51	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	56	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43647
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/3/2004	
Matrix: water	TimeCollected: 10:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 22:07:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43647
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/3/2004	
Matrix: water	TimeCollected: 10:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 22:07:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43647
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/3/2004	
Matrix: water	TimeCollected: 10:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 22:07:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43647
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/3/2004	
Matrix: water	TimeCollected: 10:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/06/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/7/2004 22:07:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43647
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/3/2004	
Matrix: water	TimeCollected: 10:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: *QAQC*

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/12/2004 10:31:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	32	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	20	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	35	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	33	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	51	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	37	% Recovery		

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43650
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 11:40:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: *ORGANIC*

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/15/2004 18:38:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	62-75-9	N-Nitrosodimethylamine	<10 L3 UJ	ug/L	10	
SW 8270C	110-86-1	Pyridine	<10	ug/L	10	
SW 8270C	62-53-3	Aniline	<10	ug/L	10	
SW 8270C	111-44-4	bis(2-Chloroethyl)ether	<10	ug/L	10	
SW 8270C	108-95-2	Phenol	<10 L3 UJ	ug/L	10	
SW 8270C	95-57-8	2-Chlorophenol	<10	ug/L	10	
SW 8270C	541-73-1	1,3-Dichlorobenzene	<10	ug/L	10	
SW 8270C	106-46-7	1,4-Dichlorobenzene	<10	ug/L	10	
SW 8270C	95-50-1	1,2-Dichlorobenzene	<10	ug/L	10	
SW 8270C	100-51-6	Benzyl alcohol	<10	ug/L	10	
SW 8270C	108-60-1	bis(2-chloroisopropyl)ether	<10	ug/L	10	
SW 8270C	95-48-7	2-Methylphenol	<10	ug/L	10	
SW 8270C	67-72-1	Hexachloroethane	<10	ug/L	10	
SW 8270C	621-64-7	N-Nitroso-di-n-propylamine	<10	ug/L	10	
SW 8270C	106-44-5	4-Methylphenol	<10	ug/L	10	
SW 8270C	98-95-3	Nitrobenzene	<10	ug/L	10	
SW 8270C	78-59-1	Isophorone	<10	ug/L	10	
SW 8270C	88-75-5	2-Nitrophenol	<10	ug/L	10	
SW 8270C	105-67-9	2,4-Dimethylphenol	<10	ug/L	10	
SW 8270C	111-91-1	Bis(2-chloroethoxymethane)	<10	ug/L	10	
SW 8270C	120-83-2	2,4-Dichlorophenol	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43650
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 11:40:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/15/2004 18:38:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	120-82-1	1,2,4-Trichlorobenzene	<10	ug/L	10	
SW 8270C	91-20-3	Naphthalene	<10	ug/L	10	
SW 8270C	106-47-8	4-Chloroaniline	<10	ug/L	10	
SW 8270C	87-68-3	Hexachlorobutadiene	<10	ug/L	10	
SW 8270C	59-50-7	4-Chloro-3-methylphenol	<10	ug/L	10	
SW 8270C	91-57-6	2-Methylnaphthalene	<10	ug/L	10	
SW 8270C	77-47-4	Hexachlorocyclopentadiene	<10	ug/L	10	
SW 8270C	88-06-2	2,4,6-Trichlorophenol	<10	ug/L	10	
SW 8270C	95-95-4	2,4,5-Trichlorophenol	<10	ug/L	10	
SW 8270C	91-58-7	2-Chloronaphthalene	<10	ug/L	10	
SW 8270C	88-74-4	2-Nitroaniline	<10	ug/L	10	
SW 8270C	208-96-8	Acenaphthylene	<10	ug/L	10	
SW 8270C	131-11-3	Dimethylphthalate	<10	ug/L	10	
SW 8270C	606-20-2	2,6-Dinitrotoluene	<10	ug/L	10	
SW 8270C	83-32-9	Acenaphthene	<10	ug/L	10	
SW 8270C	99-09-2	3-Nitroaniline	<10	ug/L	10	
SW 8270C	51-28-5	2,4-Dinitrophenol	<10	ug/L	10	
SW 8270C	132-64-9	Dibenzofuran	<10	ug/L	10	
SW 8270C	121-14-2	2,4-Dinitrotoluene	<10	ug/L	10	
SW 8270C	100-02-7	4-Nitrophenol	<10 L3 UJ	ug/L	10	
SW 8270C	935-95-5	2,3,5,6-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	4901-51-3	2,3,4,5-Tetrachlorophenol	<10	ug/L	10	
SW 8270C	58-90-2	2,3,4,6-Tetrachlorophenol	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43650
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 11:40:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/15/2004 18:38:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	86-73-7	Fluorene	<10	ug/L	10	
SW 8270C	7005-72-3	4-Chlorophenyl-phenylether	<10	ug/L	10	
SW 8270C	84-66-2	Diethylphthalate	<10	ug/L	10	
SW 8270C	100-01-6	4-Nitroaniline	<10	ug/L	10	
SW 8270C	534-52-1	4,6-Dinitro-2-methylphenol	<10	ug/L	10	
SW 8270C	86-30-6	n-Nitrosodiphenylamine	<10	ug/L	10	
SW 8270C	101-55-3	4-Bromophenyl-phenylether	<10	ug/L	10	
SW 8270C	118-74-1	Hexachlorobenzene	<10	ug/L	10	
SW 8270C	87-86-5	Pentachlorophenol	<10	ug/L	10	
SW 8270C	85-01-8	Phenanthrene	<10	ug/L	10	
SW 8270C	120-12-7	Anthracene	<10	ug/L	10	
SW 8270C	86-74-8	Carbazole	<10	ug/L	10	
SW 8270C	84-74-2	Di-n-butylphthalate	<10	ug/L	10	
SW 8270C	206-44-0	Fluoranthene	<10	ug/L	10	
SW 8270C	129-00-0	Pyrene	<10	ug/L	10	
SW 8270C	85-68-7	Butylbenzylphthalate	<10	ug/L	10	
SW 8270C	91-94-1	3,3'-Dichlorobenzidine	<10	ug/L	10	
SW 8270C	56-55-3	Benzo[a]anthracene	<10	ug/L	10	
SW 8270C	218-01-9	Chrysene	<10	ug/L	10	
SW 8270C	117-81-7	bis(2-Ethylhexyl)phthalate	<10	ug/L	10	
SW 8270C	117-84-0	Di-n-octylphthalate	<10	ug/L	10	
SW 8270C	205-99-2	Benzo[b]fluoranthene	<10	ug/L	10	
SW 8270C	207-08-9	Benzo[k]fluoranthene	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43650
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 11:40:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

SW846 Semi-Volatile Analysis: Water Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/15/2004 18:38:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	50-32-8	Benzo[a]pyrene	<10	ug/L	10	
SW 8270C	193-39-5	Indeno[1,2,3-cd]pyrene	<10	ug/L	10	
SW 8270C	53-70-3	Dibenz[a,h]anthracene	<10	ug/L	10	
SW 8270C	191-24-2	Benzo[g,h,i]perylene	<10	ug/L	10	

6/8/04

Micro-Methods Laboratory, Inc.
6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43650
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 11:40:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: *QAQC*

Semi-Volatile Surr Recovery: Water

Analyst: HEC Date/Time: 4/19/2004 13:24:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8270C	367-12-4	2-Fluorophenol (Surr.)	44	% Recovery		
SW 8270C	13127-88-3	Phenol-d5 (Surr.)	51	% Recovery		
SW 8270C	4165-60-0	Nitrobenzene-d5 (Surr.)	49	% Recovery		
SW 8270C	321-60-8	2-Fluorobiphenyl (Surr.)	47	% Recovery		
SW 8270C	118-79-6	2,4,6-Tribromophenol (Surr.)	46	% Recovery		
SW 8270C	1718-51-0	Terphenyl-d14 (Surr.)	94	% Recovery		

6/8/04

LDC #: 12043G2 **VALIDATION COMPLETENESS WORKSHEET** Date: 6/7/04
SDG #: 04051310 Level III Page: 1 of 1
Laboratory: Micro-Methods Laboratory, Inc. Reviewer: [illegible]
2nd Reviewer: [illegible]

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: 4/2-3/04
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A ~~A~~ ~~A~~	% RSD. r^2
IV.	Continuing calibration	A ~~A~~ SW	
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	client specified. (MS only)
VIII.	Laboratory control samples	SW	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentitatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	N	
XVI.	Field duplicates	N	
XVII.	Field blanks	ND	FB = ~~5~~ 3

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:
MHOs

1	GPT-6-3-2004	11	LB2435	21		31	
2	GPT-PZA-2004	12	LB2437	22		32	
3	FB-2004	13		23		33	
4	GPT-6-3-2004MS	14		24		34	
5	FB-2004MS	15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

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.

LDC #: 12043B2
SDG #: 04051310

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: 9
2nd Reviewer: A

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

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
	4/6/04	DC406	FFF **	24.6 (≤20)		LB2435	~~J~~ None P

LDC #: 12024362
SDG #: 04[redacted]310

VALIDATION FIND[redacted]NGS WORKSHEET
Laboratory Co[redacted] Samples (LCS)

P[redacted]: 1 of 1
Rev[redacted]r: 9
2nd Reviewer: 9

METHOD: GC/MS BNA (EPA SW 846 Method 8270)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS/LCSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	Date	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		2437LCS/D	~~2,4-DNP~~	~~48 (5-134)~~	( )	( )	~~3, 4B2437~~	~~J/UJ/P~~
			11	( )	( )	92 (≤63)	3, 4B2437	J/UJ/P
			000	( )	( )	73 (≤58)		
			A	( )	( )	108 (≤44)		
				( )	( )	( )		
		~~2435203/D~~		( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
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				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		

NCBC Gulfport, MS
Data Validation Reports
LDC# 12043

Diesel Range Organics

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: April 1 through April 2, 2004

LDC Report Date: June 7, 2004

Matrix: Water

Parameters: Diesel Range Organics

Validation Level: EPA Level III & IV

Laboratory: Micro-Methods Laboratory, Inc.

Sample Delivery Group (SDG): 04051012

Sample Identification

GPT-6-4-2004
GPT-6-4-2004-DUP
GPT-6-5-2004**
GPT-6-7-2004
GPT-6-6-2004
RB-2004
GPT-6-1-2004
GPT-6-2-2004**
GPT-6-8-2004
GPT-6-4-2004MS

**Indicates sample underwent EPA Level IV review

Introduction

This data review covers 10 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8015 for Diesel Range Organics.

This review follows 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 table summarizing all data qualification is provided at the end of this report. 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 III.

Field duplicates are summarized in Section IX.

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.

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 with the following exceptions:

Sample	Compound	Total Days From Sample Collection Until Extraction	Required Holding Time (in Days) From Sample Collection Until Extraction	Flag	A or P
GPT-6-4-2004-DUP	Diesel range organics	12	7	J (all detects) UJ (all non-detects)	A

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for compounds were less than 20.0% .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 15.0% QC limits.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No diesel range organic contaminants were found in the method blanks.

Sample RB-2004 was identified as a rinsate blank. No diesel range organic contaminants were found in this blank.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

The laboratory has indicated that there were no matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike duplicate analyses were not performed for this SDG.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

V. 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.

VI. 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.

VII. System Performance

The system performance was 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.

VIII. Overall Assessment of Data

Data flags have been summarized at the end of this report.

IX. Field Duplicates

Samples GPT-6-4-2004 and GPT-6-4-2004-DUP were identified as field duplicates. No diesel range organics were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/L)		RPD
	GPT-6-4-2004	GPT-6-4-2004-DUP	
Diesel range organics	0.69	0.61	12

NCBC Gulfport, MS
Diesel Range Organics - Data Qualification Summary - SDG 04051012

SDG	Sample	Compound	Flag	A or P	Reason
04051012	GPT-6-4-2004-DUP	Diesel range organics	J (all detects) UJ (all non-detects)	A	Technical holding times

NCBC Gulfport, MS
Diesel Range Organics - Laboratory Blank Data Qualification Summary - SDG 04051012

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Diesel Range Organics - Field Blank Data Qualification Summary - SDG 04051012

No Sample Data Qualified in this SDG

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004

Sample ID: AA43608
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 09:00:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/13/2004 19:28:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO): Water	0.69	mg/L	0.5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT1
Sample Description: Battelle NCBC Gulfport 6-4
Client Sample Description: GPT-6-4-2004 DUP

Sample ID: AA43611
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004 Matrix: Water Date Validated: 06/08/04 Validated by HPH	DateCollected: 4/2/2004 TimeCollected: 09:00:00 Collected By: CLIENT	*The following addendum represents corrected extraction date information. This addendum should replace original report.*

Department: *ORGANIC*

Extract Date: 4/14/2004 Matrix: Water Amount: 995 MLS
Analyst: HEC Date/Time: 4/14/2004 14:17:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO): Water	0.61 J	mg/L	0.5	Q2

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT2
Sample Description: Battelle NCBC Gulfport 6-5
Client Sample Description: GPT-6-5-2004

Sample ID: AA43614
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 15:50:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/13/2004 21:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO): Water	<0.5	mg/L	0.5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT4
Sample Description: Battelle NCBC Gulfport 6-6
Client Sample Description: GPT-6-6-2004

Sample ID: AA43620
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 11:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 995 MLS
Analyst: HEC Date/Time: 4/13/2004 22:28:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO): Water	1.16	mg/L	0.5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT3
Sample Description: Battelle NCBC Gulfport 6-7
Client Sample Description: GPT-6-7-2004

Sample ID: AA43617
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 13:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/13/2004 21:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO): Water	<0.5	mg/L	0.5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT5
Sample Description: Battelle NCBC Gulfport RB
Client Sample Description: RB-2004

Sample ID: AA43623
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: Water	TimeCollected: 08:30:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/13/2004 23:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO): Water	<0.5	mg/L	0.5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT6
Sample Description: Battelle NCBC Gulfport 6-1
Client Sample Description: GPT-6-1-2004

Sample ID: AA43626
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 12:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/13/2004 23:40:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO): Water	1.78	mg/L	0.5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT7
Sample Description: Battelle NCBC Gulfport 6-2
Client Sample Description: GPT-6-2-2004

Sample ID: AA43629
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 10:50:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/14/2004 01:28:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO): Water	<0.5	mg/L	0.5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT8
Sample Description: Battelle NCBC Gulfport 6-8
Client Sample Description: GPT-6-8-2004

Sample ID: AA43632
Lab File #: 04051012

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/1/2004	
Matrix: Water	TimeCollected: 13:20:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/14/2004 00:16:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO): Water	3.08	mg/L	0.5	

6/8/04

LDC #: 12043F8

SDG #: 04051012

Laboratory: Micro-Methods Laboratory, Inc.

VALIDATION COMPLETENESS WORKSHEET

Level III/IV

Date: 6/7/04

Page: 1 of 1

Reviewer: [illegible]

2nd Reviewer: [illegible]

METHOD: GC Diesel Range Organics (EPA SW 846 Method 8015)

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/W	Sampling dates: 4/1-2/04
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	
III.	Blanks	A	
IVa.	Surrogate recovery	A	
IVb.	Matrix spike/Matrix spike duplicates	A	MS only
IVc.	Laboratory control samples	A	LCS/D
V.	Target compound identification	A	Not reviewed for Level III validation.
VI.	Compound Quantitation and CRQLs	A	Not reviewed for Level III validation.
VII.	System Performance	A	Not reviewed for Level III validation.
VIII.	Overall assessment of data	A	
IX.	Field duplicates	W	D = 1+2
X.	Field blanks	ND	RB = 6

Note: A = Acceptable; ND = No compounds detected; D = Duplicate; N = Not provided/applicable; R = Rinsate; TB = Trip blank; SW = See worksheet; FB = Field blank; EB = Equipment blank

Validated Samples: ** Indicates sample underwent Level IV validation MH2O >

1	GPT-6-4-2004	11		21		31	
2	GPT-6-4-2004-DUP	12		22		32	
3	GPT-6-5-2004**	13		23		33	
4	GPT-6-7-2004	14		24		34	
5	GPT-6-6-2004	15		25		35	
6	RB-2004	16		26		36	
7	GPT-6-1-2004	17		27		37	
8	GPT-6-2-2004**	18		28		38	
9	GPT-6-8-2004	19		29		39	
10	GPT-6-4-2004MS	20		30		40	

Notes:

LDC #: 12043F8
SDG #: 04057012

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: 9
2nd Reviewer: 6

Method: ✓ GC ___ HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
All technical holding times were met.	✓	✓		
Cooler temperature criteria was met.	✓			
II. 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) ≤ 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?	✓			
IV. Continuing calibration				
What type of continuing calibration calculation was performed? ✓ %D or %R	✓			
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 15%.0 or percent recoveries 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?	✓			
Was there contamination in the method 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?			✓	
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?	✓			

LDC #: 20043F8
SDG #: 0405701

VALIDATION FINDINGS CHECKLIST

Reviewer:
2nd Reviewer:

Validation Area	Yes	No	NA	Findings/Comments
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 and dry weight factors 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				
Were field duplicate pairs identified in this SDG?	✓			
Were target compounds idetected in the field duplicates?	✓			
XV. Field blanks				
Were field blanks identified in this SDG?	✓			
Were target compounds detected in the field blanks?		✓		

LDC #: 20438F8
SDG #: 0405101 2

VALIDATION FINDINGS WORKSHEET
Technical Holding Times

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

All circled dates have exceeded the technical holding times.
Y N N/A Were all cooler temperatures within validation criteria?

METHOD: ✓ GC__ HPLC

Sample ID	Matrix	Preserved	Sampling Date	Extraction date	Analysis date	Total # of Days	Qualifier
2	W	N	4-2-04	4-14-04	4-14-04	12	~~Y/N/A~~

TECHNICAL HOLDING TIME CRITERIA

VOLATILES:
- Water unpreserved: Aromatic within 7 days, non-aromatic within 14 days of sample collection.
- Water preserved: Both within 14 days of sample collection.
- Soils: Both within 14 days of sample collection.

EXTRACTABLES:
- Water: Extracted within 7 days, analyzed within 40 days.
- Soil: Extracted within 14 days, analyzed within 40 days.

LDC #: [illegible]
SDG #: 0405/012

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: [illegible]
2nd reviewer: [illegible]

METHOD: ✓ GC ___ HPLC

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	Qualification
	1	2	Limit ≤____	Parent only / All Samples
DRO	0.69	0.61	12	-

Compound	Concentration ( )		%RPD	Qualification
			Limit ≤____	Parent only / All Samples

FLDUPNew.wpd

LDC #: 12043F8
SDG #: 04057012

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

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 (50 std)	Recalculated CF (50 std)	Reported Average CF (initial)	Recalculated Average CF (initial)	Reported %RSD	Recalculated %RSD
1	~~4/13/04~~ 1GAL	4/13/04	ORU	4.720E4	4.720E4	3.768E4	3.768	18	18
2									
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.

INI[illegible]SB

LDC #: 1204[illegible]F8
SDG #: 04057012

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

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
CF = A/C

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	DR414D	4/14/04	DRO	3.768	3.2995	3.2995	12.4	12.4
2								
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.

CONCLC.1S

LDC #: 12043F8
SDG #: 04051012

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: [illegible]
2nd reviewer: [illegible]

METHOD: ✓ GC ___ HPLC

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~~/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
C-30	FID	100	102.561	103	103	0

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

LDC #: [illegible]
SDG #: 0405[illegible]

VALIDATION FIN[illegible]GS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

[illegible]e: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) and relative percent differences (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 SC = Sample concentration
SA = Spike added
RPD =(({SSCMS - SSCMSD} * 2) / (SSCMS + SSCMSD))*100 MS = Matrix spike MSD = Matrix spike duplicate

MS/MSD samples: 10

Compound	Spike Added (mg/L)		Sample Conc. (mg/L)	Spike Sample Concentration (mg/L)		Matrix spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	—	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gasoline (8015)											
Diesel (8015)	2.5	NA	0.69	1.680	NA	39.6	39.6				
Benzene (8021B)											
Methane (RSK-175)											
2,4-D (8151)											
Dinoseb (8151)											
Naphthalene (8310)											
Anthracene (8310)	—	—									
HMX (8330)											
2,4,6-Trinitrotoluene (8330)											

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 #: 12043F8
SDG #: 0405701²

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Page: 1 of 1
Reviewer: 7
2nd Reviewer: 6

_____METHOD: ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (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

RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
SA = Spike added
LCS = Laboratory Control Sample
SC = Sample concentration
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: LCS/D

Compound	Spike Added (µg/L)		Sample Conc. (µg/L)	Spike Sample Concentration (µg/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	--	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gasoline (8015)											
Diesel (8015)	2.5	2.5	NA	1.644	1.752	65.6	65.8	70.0	70.1	6.5	6.4
Benzene (8021B)											
Methane (RSK-175)											
2,4-D (8151)											
Dinoseb (8151)											
Naphthalene (8310)											
Anthracene (8310)											
HMX (8330)											
2,4,6-Trinitrotoluene (8330)											

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 #: 1204[redacted]8
SDG #: 0405[redacted]012

VALIDATION FINDI[redacted] WORKSHEET
Sample Calculation Verification

Pa[redacted] 1 of 1
Reviewer: 9
2nd Reviewer: 2

METHOD: ✓ GC ___ HPLC

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% of the reported results?

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the compound to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the compound In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example: 1, 8

Sample ID. ~~NO~~ Compound Name NO

Concentration =

#	Sample ID	Compound	Reported Concentrations ( )	Recalculated Results Concentrations ( )	Qualifications

Comments:

SAMPCALew.wpd

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NCBC Gulfport, MS

Collection Date: April 2 through April 3, 2004

LDC Report Date: June 7, 2004

Matrix: Water

Parameters: Diesel Range Organics

Validation Level: EPA Level III

Laboratory: Micro-Methods Laboratory, Inc.

Sample Delivery Group (SDG): 04051310

Sample Identification

GPT-6-3-2004
GPT-PZA-2004
FB-2004

Introduction

This data review covers 3 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8015 for Diesel Range Organics.

This review follows 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 table summarizing all data qualification is provided at the end of this report. 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 III.

Field duplicates are summarized in Section IX.

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.

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

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for compounds were less than 20.0% .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 15.0% QC limits.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No diesel range organic contaminants were found in the method blanks.

Sample FB-2004 was identified as a field blank. No diesel range organic contaminants were found in this blank.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

b. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

V. Target Compound Identification

Raw data were not reviewed for this SDG.

VI. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

VII. System Performance

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

Data flags have been summarized at the end of this report.

IX. Field Duplicates

No field duplicates were identified in this SDG.

NCBC Gulfport, MS
Diesel Range Organics - Data Qualification Summary - SDG 04051310

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Diesel Range Organics - Laboratory Blank Data Qualification Summary - SDG 04051310

No Sample Data Qualified in this SDG

NCBC Gulfport, MS
Diesel Range Organics - Field Blank Data Qualification Summary - SDG 04051310

No Sample Data Qualified in this SDG

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT10
Sample Description: Battelle NCBC Gulfport 6-3
Client Sample Description: GPT-6-3-2004

Sample ID: AA43645
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 14:45:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 990 MLS
Analyst: HEC Date/Time: 4/14/2004 00:52:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO): Water	<0.5	mg/L	0.5	

6/8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT11
Sample Description: Battelle NCBC Gulfport 6-PZ4
Client Sample Description: GPT-PZA-2004

Sample ID: AA43648
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/3/2004	
Matrix: water	TimeCollected: 10:15:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 985 MLS
Analyst: HEC Date/Time: 4/14/2004 02:04:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO): Water	<0.5	mg/L	0.5	

Fd 8/04

Micro-Methods Laboratory, Inc.

6500 Sunplex Drive
Ocean Springs, MS 39564
(228) 875-6420

Client: Battelle
Client Code: BAT12
Sample Description: Battelle NCBC Gulfport FB
Client Sample Description: FB-2004

Sample ID: AA43651
Lab File #: 04051310

General Information	Collection Data	Remarks
Sample Received : 4/5/2004	DateCollected: 4/2/2004	
Matrix: water	TimeCollected: 11:40:00	
Date Validated: 05/12/04	Collected By: CLIENT	
Validated by: HPH		

Department: ***ORGANIC***

Extract Date: 04/07/04 Matrix: Water Amount: 980 MLS
Analyst: HEC Date/Time: 4/14/2004 02:40:00

Method Ref	CAS#	Parameter	Value	Units	MDL	Qualifiers
SW 8015		Diesel Range Organics(DRO): Water	<0.5	mg/L	0.5	

4/8/04

LDC #: 12043G8

SDG #: 04051310

Laboratory: Micro-Methods Laboratory, Inc.

VALIDATION COMPLETENESS WORKSHEET

Level III

Date: 6/7/04

Page: 1 of 1

Reviewer:

2nd Reviewer:

METHOD: GC Diesel Range Organics (EPA SW 846 Method 8015)

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: 4/2-3/02
IIa.	Initial calibration	A	
IIb.	Calibration verification	~~SW~~/A	
III.	Blanks	A	
IVa.	Surrogate recovery	A	
IVb.	Matrix spike/Matrix spike duplicates	N	client specified.
IVc.	Laboratory control samples	A	LCS/D
V.	Target compound identification	N	
VI.	Compound Quantitation and CRQLs	N	
VII.	System Performance	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	N	
X.	Field blanks	NO	FB = 3

Note: A = Acceptable; ND = No compounds detected; D = Duplicate; N = Not provided/applicable; R = Rinsate; TB = Trip blank; SW = See worksheet; FB = Field blank; EB = Equipment blank

Validated Samples:

1	GPT-6-3-2004 W	11		21		31	
2	GPT-PZA-2004	12		22		32	
3	FB-2004	13		23		33	
4	LB0437	14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Notes: