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Subject:
2011 First Semiannual Groundwater Monitoring Report
Hattiesburg, Mississippi
MDEQ A.I. No. 2022

Dear Mr. McKercher:

ARCADIS U.S., Inc. (ARCADIS) is pleased to submit this 2011 First Semiannual Groundwater Monitoring Report on behalf of our client, Hercules Incorporated (Hercules) for the site referenced above.

If there are any questions concerning this submittal, please contact Hercules Project Coordinator Mr. Timothy Hassett at (302) 995-3456 or one of the undersigned at (225) 292-1004.

Sincerely,

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Imagine the result

2011 First Semiannual Groundwater Monitoring Report

Hattiesburg, Mississippi
MDEQ AI No. 2022

10 October 2011



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Craig A. Derouen, P.E.
Senior Engineer

A handwritten signature in black ink, appearing to read "John Ellis", written over a horizontal line.

John Ellis, P.G.
Principal Geologist/Project Manager

**2011 First Semiannual
Groundwater Monitoring
Report**

Hattiesburg, Mississippi
MDEQ A.I. No. 2022

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Hercules Incorporated

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1. Introduction

Hercules Incorporated (Hercules) commissioned Eco-Systems, Inc. (Eco-Systems) to conduct groundwater and surface water monitoring at the Hattiesburg, Mississippi facility (Figure 1). The sampling was conducted in accordance with the *Corrective Action Plan Revision 01* (CAP) prepared by Groundwater & Environmental Services, Inc., dated January 20, 2005. The CAP was approved by the Mississippi Department of Environmental Quality (MDEQ) in a letter dated January 25, 2005, and modified by MDEQ in an August 18, 2006, letter. The eight quarterly monitoring events specified in the CAP were completed in May 2007 and discussed in the second Annual Monitoring Report (Eco-Systems August 2007). In accordance with MDEQ's approval of Hercules' recommendation in the 2007 Annual Monitoring Report, surface water and groundwater monitoring is currently conducted on a semiannual basis.

This report describes sampling activities and analytical results for the first semiannual monitoring event for 2011. During this event, water levels were measured at 23 monitoring wells and 13 piezometers, surface water samples were collected from six locations in Greens Creek, and groundwater samples were collected from 23 monitoring wells. The site layout, location of monitoring wells and piezometers, and location of Greens Creek are illustrated on Figure 2.

As required by the approved CAP, surface water and groundwater samples collected during monitoring events are analyzed for selected volatile organic compounds (VOCs) and/or Delnav compounds (Dioxathion/Dioxenethion). A summary of the 2011 semiannual monitoring program is provided on Table 1. Sampling results are compared to MDEQ Tier 1 Target Remedial Goals (TRGs) as referenced in the Final Regulations Governing Brownfields Voluntary Cleanup and Redevelopment in Mississippi (amended 28 February 2002). Future Delnav sampling events will continue to be coordinated with MDEQ.

Additionally, in July 2011, samples from a subset of the sampled groundwater wells (MW-2, MW-4, MW-12, MW-13, MW-17, MW-19, and MW-23) were analyzed for the full list of Appendix IX constituents. The Appendix IX sampling was conducted with consultation from MDEQ.

2. Regulatory Background

After site investigations conducted under the MDEQ Voluntary Evaluation Program were approved by MDEQ, Hercules submitted the 2005 CAP. The 2005 CAP

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proposed a combination of institutional controls and monitored natural attenuation of groundwater and surface water. In January 2008, Hercules and MDEQ entered into a Restricted Use Agreed Order (RUAO; No. 5349 07) to restrict on-site land and groundwater use and document the compliance monitoring program and corrective action requirements described in the 2005 CAP. In conjunction with the RUAO, Hercules executed a Notice of Land Use Restrictions documenting that soil and groundwater contained benzene, chlorobenzene, carbon tetrachloride, chloroform, 1,1,2-dichloroethane, and toluene in excess of MDEQ TRGs. Since 2007, Hercules has conducted groundwater and surface water sampling to comply with the RUAO. Routine monitoring reports summarizing the results of each sampling event have been submitted to MDEQ.

The compliance monitoring program has been modified several times since submittal of the 2005 CAP. In 2006, the sampling frequency for Delnav was reduced from quarterly to annually. In 2007, the sampling frequency for groundwater and surface water was reduced from quarterly to semiannually. In 2009, five wells associated with assessment of the Impoundment Basin (IB) were installed and added to the sampling program. The monitoring program for groundwater and surface water is currently conducted on a semiannual basis and consists of water level gauging and analysis of select samples for VOCs (semiannually) and Delnav (annually).

The CAP included a contingency plan outlining specific actions required in each of the monitored areas if constituents of concern (COCs) are detected at concentrations in excess of MDEQ TRGs in select downgradient wells for three consecutive sampling events (Table 1).

3. Field Activities

3.1 Groundwater Elevation Measurements

On July 25, 2011, Eco-Systems personnel collected static groundwater levels from the monitoring wells and piezometers at the site (Table 2). These water level measurements were used to calculate groundwater elevations and evaluate general groundwater flow directions.

3.2 Groundwater Sample Collection

Groundwater sampling was conducted July 25 through 28, 2011. Prior to collecting groundwater samples, the monitoring wells were purged using a low flow/low stress

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sampling method with a peristaltic pump. Purging was conducted until temperature, pH, specific conductance, and turbidity stabilized. Stabilization was considered to be met when temperature, pH, specific conductance, and turbidity readings varied by less than 10 percent for at least three consecutive readings. The water quality field parameters were measured with calibrated instruments and recorded in the field book along with the cumulative amount of water evacuated and time of batch parameter testing. Groundwater collection logs are attached as Appendix A.

Once field parameters stabilized, groundwater was collected directly into new, clean sample containers supplied by the analytical laboratory. During groundwater sample collection activities, field replicates were collected for quality assurance and quality control (QA/QC). Each replicate sample was collected by placing alternating aliquots into the parent sample container and each replicate sample container until the containers were filled.

The wells least likely to contain detectable constituent concentrations based upon historical data are generally sampled first. However, during the July 2011 sampling event, the wells with the highest known impacts (MW-8, MW-13, MW-17, MW-19, MW-21, and MW-23) were sampled first (on July 26, 2011) in order to expedite the receipt of results. The remaining wells were sampled on July 27 and 28, 2011.

Sample tubing used during purging and collection activities was disposed of after use. Subsequent to sampling, the sample containers were labeled, placed on ice, the cooler sealed and shipped to the designated off-site laboratory for analysis. Chain-of-custody documentation accompanied each sample cooler. Personnel involved in sampling used new, clean, disposable gloves for each sample point. All non-disposable sampling equipment was decontaminated as described in Section 3.5.

During this event, groundwater samples were collected from permanent Monitoring Wells MW-2 through MW-24 in accordance with Table 1. Groundwater samples were shipped via overnight courier to TestAmerica Laboratories, Inc. (TestAmerica) in Savannah, Georgia, for analysis.

3.3 Surface Water Sample Collection

On July 25, 2011, six surface water samples were collected from the previously established sampling stations along Greens Creek, CM-00 through CM-05. Samples were collected beginning with the most downstream location (CM-05) and proceeding upstream to each successive sampling location. Surface water samples were

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collected directly into clean, laboratory-supplied, unpreserved sample containers by placing the lip of the sample container into the creek at each sampling station. The filled sample containers were labeled, packed, and shipped in the same manner as the groundwater samples discussed in Section 3.2.

3.4 Quality Assurance/Quality Control

For QA/QC purposes, field duplicate samples, equipment rinsate samples, matrix spike/matrix spike duplicate (MS/MSD) samples, and trip blank samples were submitted for analysis. QA/QC samples were labeled, stored, and shipped to TestAmerica in the same manner as groundwater and surface water samples. QA/QC samples were analyzed for the same constituents as groundwater and surface water samples.

Three duplicate groundwater samples were collected from Monitoring Wells MW-8 (DUP-072611), MW-9 (DUP-072811), and MW-11 (DUP-072711). The duplicate groundwater samples were collected in alternating aliquots that were placed in each replicate bottle until each bottle was filled.

Two MS/MSD samples were collected from Monitoring Wells MW-14 and MW-22.

Two rinsate samples were collected during groundwater sampling activities. Because new, disposable tubing was used at each well location, the groundwater equipment rinsate samples were prepared by pouring deionized water through new polyethylene tubing and collecting the rinsate into new disposable sample containers supplied by the analytical laboratory. The groundwater equipment rinsate samples were collected in order to document any potential leaching of material from the polyethylene tubing. Following collection of the rinsate samples, the rinsate tubing was discarded and a new piece of tubing was used for groundwater sampling. Sample RS1-072611 was collected prior to sample collection at Well MW-13. Sample RS2-072811 was collected following sample collection at Well MW-7.

One sample was collected to identify any potential cross-contamination from the use of deionized water during field activities. Sample Rinsate 7.25.11, a check of the deionized water, was collected while sampling at surface water station CM-00. This sample was collected by pouring deionized water into a laboratory-supplied container.

One trip blank sample was placed in each cooler submitted for analysis for a total of four trip blank samples collected between July 25 and July 28, 2011.

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3.5 Decontamination

In general, groundwater sampling equipment that would contact the groundwater sample was single-use, disposable equipment. Re-usable groundwater sampling equipment decontamination was accomplished by the following procedure:

- 1) Phosphate-free, detergent wash;
- 2) Potable water rinse;
- 3) Deionized water rinse;
- 4) Isopropanol rinse; and
- 5) Organic-free water rinse or air dry.

If it was necessary to store or transport decontaminated equipment, the decontaminated equipment was placed in either a new, disposable plastic bag or wrapped in new, clean aluminum foil.

3.6 Other Procedures

Procedures for sample collection, sample containerization and packing, sample shipment, cross-contamination control, drummed material disposal, field documentation, chain-of-custody, data review, and other work items not specifically covered in this document were conducted in accordance with the U.S. Environmental Protection Agency (USEPA) *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual* (USEPA Region 4; 2001) (EISOPQAM). Because the EISOPQAM guidance has been superseded by the USEPA's Science and Ecosystem Support Division (SESD) guidance, Hercules proposes using the SESD guidance during future sampling activities.

4. Results

All groundwater and surface water samples collected from the Hercules site were analyzed for Appendix IX VOCs according to USEPA Method 8260B. As discussed in Section 1, select samples were analyzed for the full list of Appendix IX constituents using USEPA-approved methods as follows:

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VOCs	8260B
Semivolatile organic compounds (SVOCs)	8270C
Pesticides/polychlorinated biphenyls (PCBs)	8081A/8082
Herbicides	8151A
Dioxins and furans	8290
Metals	6020
Cyanide	9012A
Sulfide	9034

Laboratory analytical reports for the samples collected during this monitoring event are included in Appendix B and summarized in Tables 3 through 5.

4.1 Groundwater Elevation and Flow Direction

The potentiometric surface map prepared from the July 25, 2011, groundwater elevations illustrates that groundwater in the uppermost, saturated interval beneath the Site tends to follow the surface topography (Figure 3). In the former production areas located in the southeastern portion of the Site, the potentiometric surface indicates the presence of a groundwater divide, which trends from southwest to northeast. Groundwater located to the northwest of the divide generally moves in a northwesterly direction toward Greens Creek and groundwater southeast of the divide generally moves in a southeasterly direction. On the north side of Greens Creek, the potentiometric surface indicates that groundwater in the uppermost, saturated interval generally moves in a southerly direction toward Greens Creek. Greens Creek enters the Site at the western property boundary and flows in an easterly direction across the northern portion of the site.

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4.2 Groundwater Analytical Results

4.2.1 Semiannual Monitoring for Volatile Organic Compounds

Concentrations of VOCs in groundwater remain above the MDEQ TRGs in Wells MW-8, MW-13, MW-17, MW-19, MW-21, MW-22, and MW-23 (Figure 4). As observed during previous monitoring events, the predominant VOCs detected in groundwater above TRGs include benzene, carbon tetrachloride, chlorobenzene, chloroform, and toluene. An evaluation of the analytical data is provided in Section 5.

A summary of the analytical results from the semiannual VOCs monitoring is provided in Table 4 and the laboratory analytical reports are included in Appendix B. In some cases, laboratory dilution caused reporting limits to exceed TRGs for select constituents.

4.2.2 Supplemental Sampling

As discussed previously, select samples were analyzed for the full list of Appendix IX constituents (VOCs, SVOCs, pesticides/PCBs, herbicides, dioxins/furans, metals, cyanide, and sulfide). This additional sampling is not required by the RUAO. One or more of the Appendix IX VOCs, SVOCs, and/or pesticides were detected above the MDEQ TRGs in Wells MW-4, MW-8, MW-13, MW-17, MW-19, MW-21, MW-22, and MW-23 (Figure 4). Select metals and/or VOCs were detected in Wells MW-2, MW-4, MW-8, MW-12, MW-13, MW-18, and MW-19 at concentrations below MDEQ TRGs.

The predominant VOCs detected in groundwater include benzene, carbon tetrachloride, chlorobenzene, chloroform, and toluene. Additionally, select SVOCs (1,4-dioxane and 1,1'-biphenyl) and pesticides (alpha-BHC and gamma-BHC) were detected at concentrations exceeding MDEQ TRGs (Figure 4). An evaluation of the analytical data is provided in Section 5.

A summary of the analytical results from the supplemental Appendix IX groundwater sampling is provided in Table 5 and the laboratory analytical reports are included in Appendix B. In some cases, laboratory dilution for matrix interference caused reporting limits to exceed MDEQ TRGs for select constituents.

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4.3 Surface Water Analytical Results

1,2-Dichloroethene was detected in the surface water sample collected from downgradient location CM-04 at a concentration less than the MDEQ TRG. No other VOCs were detected in any of the remaining surface water samples collected at CM-00, CM-01, CM-02, CM-03, CM-04, or CM-05. A summary of the analytical results from the semiannual VOC monitoring is provided in Table 4 and the laboratory analytical reports are included in Appendix B.

4.4 Quality Assurance/Quality Control Sample Analytical Results

Analytical reports for the QA/QC samples are included in Appendix B and summarized in Table 4. A discussion of the QA/QC sample results is included below.

4.4.1 Field Duplicates

Duplicate samples were collected from wells MW-8 (DUP-072611), MW-9 (DUP-072811), and MW-11 (DUP-072711). No constituent concentrations were detected above the detection limit in the Wells MW-9/DUP-072811 and MW-11/DUP-072711 sample pairs. Therefore, the relative percent difference (RPD) was 0%. The RPD for the MW-8/DUP-072611 sample pair ranged from 0-109%, with four constituents having an RPD greater than 20% between the parent and duplicate samples (1,4-dioxane, 32% RPD; alpha-BHC, 21% RPD; gamma-BHC, 40% RPD; and sulfide, 109% RPD).

4.4.2 Rinsate Samples

Three rinsate samples (Rinsate 7.25.11, RS1-072611, and RS2-072811) were collected during this sampling event. No VOCs were detected in Rinsate 7.25.11.

Barium and sulfide were detected in rinsate sample RS1-072611 at concentrations of 12 micrograms per liter ($\mu\text{g/L}$) and 2.3 milligrams per liter (mg/L), respectively. Barium was also detected in Well MW-13 at a concentration of 49 $\mu\text{g/L}$ (less than 5 times the concentration in the rinsate). Sulfide was not detected in Well MW-13, but was detected in other wells sampled that day (MW-8, MW-17, and MW-23). Chloroform was detected at a concentration of 1.6 $\mu\text{g/L}$ in rinsate sample RS2-072811. Chloroform was not detected above the reporting limit in any of the other wells sampled that day.

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4.4.3 Trip Blanks

Four trip blank samples were submitted to TestAmerica in sample coolers containing samples for VOC analysis. VOCs were not detected in any of the trip blanks samples.

5. Findings and Conclusions

The findings and conclusions in this section are based on data obtained during the July 2011 monitoring event.

5.1 Sludge Pits

5.1.1 Semiannual Monitoring for Volatile Organic Compounds

Groundwater monitoring in the sludge pit area is conducted via sampling of five monitoring wells. Monitoring Wells MW-2 and MW-3 are located north of the sludge pits in historically upgradient positions. Monitoring Wells MW-4, MW-10, and MW-11 are located south of the sludge pits in historically downgradient positions.

VOCs were not detected in samples collected from sludge pit area Monitoring Wells MW-2, MW-3, MW-4, MW-10, or MW-11. Based on current and historical analytical results, VOCs are not migrating from the sludge pits at concentrations above TRGs.

5.1.2 Supplemental Sampling

Wells MW-2 and MW-4 were selected for supplemental analysis of full Appendix IX constituents. As discussed above, no VOCs were detected in either of these wells. However, 1,4-dioxane was detected in Well MW-4 above TRGs and o,o,o-triethylphosphorothioate, barium, and sulfide were detected in MW-4 at concentrations below MDEQ TRGs. Metals (arsenic, barium, and cobalt) were detected in MW-2 at concentrations below TRGs.

5.2 Greens Creek

5.2.1 Semiannual Monitoring for Volatile Organic Compounds

1,2-Dichloroethene was detected in the surface water sample collected from downgradient location CM-04 at a concentration below the MDEQ TRG. No other

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VOCs were detected in any of the remaining surface water samples. Based on the current and historical analytical results, VOCs in excess of TRGs are not migrating from the site via Greens Creek. The last time VOCs were detected in Greens Creek at concentrations greater than TRGs was in November 2006, when benzene was detected in the sample collected from CM-01 and chloroform was detected in the sample collected from CM-04. It should be noted that the reporting limits for bromodichloromethane and chloroform are higher than their respective TRGs.

5.2.2 Supplemental Sampling

None of the surface water samples were selected for supplemental analysis of full Appendix IX constituents.

5.3 Former Landfill

5.3.1 Semiannual Monitoring for Volatile Organic Compounds

Groundwater monitoring of the former landfill area is conducted using six monitoring wells. Monitoring Wells MW-8 and MW-13 are located south and east of the former landfill in historically upgradient positions. Monitoring Wells MW-5, MW-6, MW-12, and MW-14 are located north of the former landfill in historically downgradient positions.

In samples collected from the upgradient Wells MW-8 and MW-13, concentrations of benzene, chlorobenzene, carbon tetrachloride, chloroform, and methylene chloride persist at concentrations above MDEQ TRGs. 1,2-Dichloroethane and methylene chloride were also detected above the TRG during this event. Ethylbenzene was detected in MW-8 at concentrations below the TRG. Laboratory dilution for matrix interference caused reporting limits for many of the remaining VOCs to exceed TRGs.

No VOCs were detected in the samples collected from MW-5, MW-6, MW-12, or MW-14. The absence of detectable VOC concentrations in groundwater samples in downgradient wells indicates that VOCs are not migrating from the landfill at concentrations above TRGs.

5.3.2 Supplemental Sampling

Wells MW-8, MW-12, and MW-13 were selected for supplemental analysis of full Appendix IX constituents. In addition to the detections of VOCs in Wells MW-8 and

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MW-13 discussed above, 1,4-dioxane and alpha-BHC were detected at concentrations greater than TRGs in both MW-8 and MW-13. Additionally, gamma-BHC was detected above TRGs in MW-8. Select SVOCs, metals, total tetrachlorodibenzofurans, and sulfide were detected in MW-8 and/or MW-13 at concentrations below TRGs.

None of the Appendix IX constituents were detected at concentrations exceeding TRGs in downgradient Well MW-12 but barium, cobalt, nickel, and zinc were detected at concentrations below TRGs.

5.4 Eastern Plant Area

5.4.1 Semiannual Monitoring for Volatile Organic Compounds

Monitoring Wells MW-18 and MW-19, which are located east of the plant buildings, were installed as part of the CAP to serve as “Groundwater area” compliance monitoring wells. Potentiometric information has not indicated that these wells are part of the previously defined area of groundwater containing VOCs; therefore, Monitoring Wells MW-18 and MW-19 are discussed separately.

Concentrations of benzene and chloroform above the TRG were detected in samples collected from Monitoring Well MW-19. Carbon tetrachloride, chlorobenzene, ethylbenzene, and toluene were detected in samples collected from Monitoring Well MW-19 at concentrations below their respective TRGs.

No VOCs were detected in MW-18 at concentrations above TRGs; chlorobenzene was detected at a concentration below the TRG.

5.4.2 Supplemental Sampling

Well MW-19 was selected for supplemental analysis of full Appendix IX constituents. In addition to the detected VOCs discussed above, 1,1'-biphenyl was detected in MW-19 at concentrations above TRGs. Additionally, arsenic, barium, and zinc were detected in MW-19 at concentrations below TRGs.

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5.5 Impoundment Basin

5.5.1 Semiannual Monitoring for Volatile Organic Compounds

Monitoring Wells MW-20, MW-21, MW-22, MW-23, and MW-24 are located in the vicinity of the IB. These wells were installed and initially sampled in September 2009 as part of a pre-closure investigation of the former IB Basin. Well MW-20 is located west of the IB in an upgradient position. Wells MW-23 and MW-24 are located east of the IB in downgradient positions. Wells MW-21 and MW-22 are located north and south of the IB, lateral to the predominant groundwater flow direction.

No VOCs were detected in upgradient Well MW-20 or the most downgradient well, MW-24.

Concentrations of benzene, chlorobenzene, chloroform, toluene, and methyl isobutyl ketone were detected above their respective TRGs in downgradient Well MW-23. Carbon disulfide was detected in MW-23 at a concentration less than the TRG. All remaining VOCs were detected below the laboratory reporting limit; however, sample dilution required because of matrix interference caused the reporting limits for many of the remaining VOCs to be greater than the applicable TRGs.

Benzene, chlorobenzene, chloroform, and toluene were detected at concentrations greater than their respective TRGs in the sample collected from Monitoring Well MW-21. All remaining VOCs were detected below reporting limits; however, sample dilution required because of matrix interference caused the reporting limits for many of the remaining VOCs to be greater than the applicable TRGs.

Benzene was detected at a concentration greater than the TRG in the sample collected from Monitoring Well MW-22. Chlorobenzene, methyl isobutyl ketone, and toluene were detected at concentrations less than their applicable TRGs. All remaining parameters were detected below the reporting limit; however, reporting limits were greater than TRGs for select VOCs.

5.5.2 Supplemental Sampling

Well MW-23 was selected for supplemental analysis of full Appendix IX constituents. In addition to the detected VOCs discussed above, 1,4-dioxane was detected in Well MW-23 at a concentration greater than the TRG. Various other SVOCs, metals, and sulfide were detected in MW-23 at concentrations less than applicable TRGs. All

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remaining parameters were detected at concentrations less than the reporting limit; however, reporting limits were greater than TRGs for select SVOCs.

5.6 Groundwater

5.6.1 Semiannual Monitoring for Volatile Organic Compounds

Concentrations of VOCs were detected at concentrations above TRGs in Wells MW-8, MW-17, and MW-19. Concentrations of benzene, chlorobenzene, carbon tetrachloride, and chloroform were detected in Well MW-17 at concentrations above applicable TRGs. VOCs results for MW-8 and MW-19 were discussed previously in Sections 5.3.1 and 5.4.1, respectively.

No VOCs were detected above reporting limits in Wells MW-7, MW-9, MW-15, or MW-16. Chlorobenzene was detected at a concentration less than the TRG in MW-18, as discussed previously in Section 5.4.1.

5.6.2 Supplemental Sampling

Wells MW-8, MW-17, and MW-19 were selected for supplemental analysis of full Appendix IX constituents. In addition to the VOCs detections in Well MW-17 discussed above, alpha-BHC and arsenic were detected in MW-17 at concentrations above the TRG. Additionally, concentrations of SVOCs, total tetrachlorodibenzofurans, barium, cobalt, and sulfide were detected at concentrations below TRGs. Results for MW-8 and MW-19 were previously discussed in Sections 5.3.2 and 5.4.2, respectively.

6. Recommendations

As of this reporting period, COC concentrations have not changed at the Site to warrant implementation of the contingency measures. The next semiannual sampling event will be conducted in November 2011 in accordance with the 2011 monitoring program summary presented in Table 1. Due to the proximity of Well MW-19 to Providence Street and additional investigation that is proposed in this area as part of the response to the USEPA's May 9, 2011, Resource Conservation and Recovery Act 3013(a) Administrative Order (Administrative Order), Hercules proposes to coordinate future routine RUAO sampling events with the implementation of the proposed activities. Coordination will result in optimization of sampling activities, facilitating data comparability, and conservation of the Delnav laboratory standards. During the November 2011 event, samples collected from Wells MW-2 through MW-24 will be

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analyzed for Appendix IX VOCs. Additionally, coordination will be conducted with MDEQ regarding the collection of Delnav samples from Wells MW-4, MW-8, MW-13, MW-14, MW-15, MW-16, and MW-17.

A detailed evaluation of the complete Appendix IX data will be included in responses to the Administrative Order.

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Tables



Table 1. 2011 Groundwater and Surface Water Monitoring Program, 2011 First Semiannual Groundwater Monitoring Report, Hercules Incorporated, Hattiesburg, Mississippi.

Monitoring Location	Sample Classification	2011 1st Semiannual Event		2011 2nd Semiannual Event	
		MDEQ Required Sampling	Supplemental Sampling	MDEQ Required Sampling	
Sludge Pits Groundwater					
MW-2	Upgradient	VOCs*	Appendix IX	VOCs	--
MW-3	Upgradient	VOCs	--	VOCs	--
MW-4	Downgradient	VOCs*	Appendix IX	VOCs	Delnav
MW-10	Downgradient	VOCs	--	VOCs	--
MW-11	Downgradient	VOCs	--	VOCs	--
Landfill Groundwater					
MW-5	Downgradient	VOCs	--	VOCs	--
MW-6	Downgradient	VOCs	--	VOCs	--
MW-12	Downgradient	VOCs*	Appendix IX	VOCs	--
MW-13	Upgradient	VOCs*	Appendix IX	VOCs	Delnav
MW-14	Downgradient	VOCs	--	VOCs	Delnav
Groundwater					
MW-7	Upgradient	VOCs	--	VOCs	--
MW-8	Downgradient	VOCs*	Appendix IX	VOCs	Delnav
MW-9	Upgradient	VOCs	--	VOCs	--
MW-15	Downgradient	VOCs	--	VOCs	Delnav
MW-16	Downgradient	VOCs	--	VOCs	Delnav
MW-17		VOCs*	Appendix IX	VOCs	Delnav
MW-18	Point of Compliance	VOCs	--	VOCs	--
MW-19	Point of Compliance	VOCs*	Appendix IX	VOCs	--
IB Basin Groundwater					
MW-20	Upgradient	VOCs	--	VOCs	--
MW-21	Lateral	VOCs	--	VOCs	--
MW-22	Lateral	VOCs	--	VOCs	--
MW-23	Downgradient	VOCs*	Appendix IX	VOCs	--
MW-24	Downgradient	VOCs	--	VOCs	--
Greens Creek Surface Water					
CM-00	Upgradient SW	VOCs	--	VOCs	--
CM-01	Upgradient SW	VOCs	--	VOCs	--
CM-02	Upgradient SW	VOCs	--	VOCs	--
CM-03	Downgradient SW	VOCs	--	VOCs	--
CM-04	Downgradient SW	VOCs	--	VOCs	--
CM-05	Downgradient SW	VOCs	--	VOCs	--

Wells shown in **bold** font are documented as contingency/"trigger" wells in the 2005 Corrective Action Plan.

VOCs - Volatile Organic Compounds per 40 CFR 264 Appendix IX via method SW846-8260.

Appendix IX - Complete Appendix IX constituent list (VOCs, SVOCs, Pesticides/PCBs, Herbicides, Dioxans/Furans, Metals, Cyanide, and Sulfide) per 40 CFR 264 via SW-846 approved methods.

* - VOCs will be an included subset of the Appendix IX "Additional Sampling".

Delnav - Dioxathion (cis- and trans-) and Dioxenethion via method SW846-3510/8321, HPLC.



Table 2. Groundwater Elevation Data, July 25, 2001, 2011 First Semiannual Groundwater Monitoring Report, Hercules Incorporated, Hattiesburg, Mississippi.

Well No.	TOC Elevation (ft.) ¹	Water Depth (ft.) ²	Groundwater Elevation (ft.) ¹
Permanent Monitoring Wells			
MW-1	NA ³	NA ³	NA ³
MW-2	160.07	6.09	153.98
MW-3	160.03	7.61	152.42
MW-4	159.75	11.36	148.39
MW-5	160.99	8.55	152.44
MW-6	174.05	9.19	164.86
MW-7	183.96	15.12	168.84
MW-8	179.99	15.60	164.39
MW-9	181.97	13.09	168.88
MW-10	159.88	11.39	148.49
MW-11	157.18	8.59	148.59
MW-12	162.17	8.95	153.22
MW-13	175.23	9.84	165.39
MW-14	169.23	15.05	154.18
MW-15	172.21	20.05	152.16
MW-16	175.62	17.63	157.99
MW-17	186.13	18.80	167.33
MW-18	165.31	6.03	159.28
MW-19	172.25	11.59	160.66
MW-20	168.62	6.57	162.05
MW-21	163.66	2.93	160.73
MW-22	167.62	6.71	160.91
MW-23	162.38	3.80	158.58
MW-24	164.98	8.36	156.62
Piezometers			
TP-1	Destroyed	NA ³	NA ³
TP-2	171.72	11.99	159.73
TP-3	169.74	10.21	159.53
TP-4	163.64	9.92	153.72
TP-5	160.54	Location not accessible	Location not accessible
TP-6	158.63	7.79	150.84
TP-7	167.17	8.87	158.30
TP-8	183.79	15.21	168.58
TP-9	Destroyed	NA ³	NA ³
TP-10	179.69	15.33	164.36
TP-11	162.26	10.68	151.58
TP-12	159.95	11.50	148.45
TP-13	156.99	8.35	148.64
TP-14	162.59	5.51	157.08
TP-16	179.72	13.84	165.88
TP-17	182.71	17.56	165.15
Greens Creek Staff Gauges			
SG-1	Destroyed	NA ³	NA ³
SG-2	Destroyed	NA ³	NA ³
SG-3	Destroyed	NA ³	NA ³
SG-4	Destroyed	NA ³	NA ³

NOTES:

1- Elevations are in feet relative to mean sea level.

2 - Depth to water is in feet below top of casing.

3 - Data not available.



Table 3. Summary of VOC Analytical Results, 2002 through 2011, 2011 First Semiannual Groundwater Monitoring Report, Hercules Incorporated, Hattiesburg, Mississippi.

Location	Date	Concentrations in µg/L																																									
		Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloromethane	Chloroform	cis-1,2-dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Ethylbenzene	methylene chloride	methyl ethyl ketone	methyl isobutyl ketone	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Vinyl Chloride	Total Xylenes	Bromobenzene	2-Chlorotoluene	4-Chlorotoluene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Naphthalene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	p-isopropyltoluene	Dibromochloromethane	Isopropylbenzene				
	MDEQ GW	6.08E+02	5.00E+00	1.68E-01	8.48E+00	8.52E+00	5.00E+00	1.00E+02	3.64E+00	1.43E+00	1.55E-01	7.00E+01	5.00E+00	5.00E+00	7.00E+00	7.00E+02	5.00E+00	1.91E+03	1.39E+02	1.00E+02	5.00E+00	1.00E+02	5.00E+00	2.00E+00	1.00E+04	--	--	--	6.00E+02	5.48E+00	7.50E+01	6.20E+00	--	7.00E+00	1.23E+01	1.23E+01	--	1.26E-01	6.79E+02				
	MDEQ GW	608	5	0.168	8.48	8.52	5	100	3.64	1.43	0.155	70	5	5	7	700	5	1910	139	100	5	100	5	2	10000	--	--	--	600	5.48	75	6.2	--	7	12.3	12.3	--	0.13	679				
CM-00	Sep-03	NA	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.0	4.1	< 5.0	NA	NA	3.16	< 1.0	< 1.0	< 1.0	< 1.0	8.31	4.18	3.40	4.61	3.44	3.66	7.54	< 5.0	< 5.0	< 5.0	< 1.0	1.04	< 1.0	< 1.0	< 1.0				
	Aug-05	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Nov-05	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Feb-06	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	May-06	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Aug-06	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Nov-06	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Feb-07	42	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	May-07	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nov-07	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	May-08	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nov-08	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
May-09	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dec-09	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
May-10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nov-10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Jul-11	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CM-01	Feb-03	NA	2.82	< 10.0	< 10.0	< 10.0	3.03	< 10.0	20.5	< 10.0	2.34	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 13.0	NA	NA	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 15.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	25.7	32.2	3.36	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	
	Sep-03	NA	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	6.58	< 5.0	< 1.0	< 1.0	< 1.0	1.71	< 1.0	< 5.0	1.55	< 5.0	NA	NA	2.36	< 1.00	4.66	< 1.00	< 1.00	7.41	13	2.53	4.17	3.76	3.42	6.35	14.7	6.64	1.8	1.3	1.57	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
	Aug-05	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	<																				

Table 3. Summary of VOC Analytical Results, 2002 through 2011, 2011 First Semiannual Groundwater Monitoring Report, Hercules Incorporated, Hattiesburg, Mississippi.

Location	Date	Concentrations in µg/L																																						
		Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloromethane	Chloroform	cis-1,2-dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Ethylbenzene	methylene chloride	methyl ethyl ketone	methyl isobutyl ketone	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Vinyl Chloride	Total Xylenes	Bromobenzene	2-Chlorotoluene	4-Chlorotoluene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Naphthalene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,2,4,5-Trichlorobenzene	1,3,5-Trichlorobenzene	p-Isopropyltoluene	Dibromochloromethane	Isopropylbenzene	
MDEQ GW	6.08E+02	5.00E+00	1.69E-01	8.48E+00	8.52E+00	5.00E+00	1.00E+02	3.64E+00	1.43E+00	1.55E-01	7.00E+01	5.00E+00	5.00E+00	7.00E+00	7.00E+02	5.00E+00	1.91E+03	1.39E+02	1.00E+02	5.00E+00	1.00E+02	5.00E+00	2.00E+00	1.00E+04	-	-	-	6.00E+02	5.48E+00	7.50E+01	6.20E+00	-	7.00E+00	1.23E+01	1.23E+01	-	-	1.26E-01	6.79E+02	
MDEQ GW	608	5	0.168	8.48	8.52	5	100	3.64	1.43	0.155	70	5	5	7	700	5	1910	139	100	5	100	5	2	10000	-	-	-	600	5.48	75	6.2	-	7	12.3	12.3	-	-	0.13	679	
CM-04	Feb-03	NA	2.25	< 10.0	< 10.0	< 10.0	< 10.0	3.43	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 13.0	NA	NA	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 15.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	13	12.2	1.26	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
	Aug-05	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nov-05	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Feb-06	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	May-06	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aug-06	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.00	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nov-06	31	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.40	17	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Feb-07	160	1.30	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0</																				

Table 3. Summary of VOC Analytical Results, 2002 through 2011, 2011 First Semiannual Groundwater Monitoring Report, Hercules Incorporated, Hattiesburg, Mississippi.

Location	Date	Concentrations in µg/L																																						
		Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloromethane	Chloroform	cis-1,2-dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Ethylbenzene	methylene chloride	methyl ethyl ketone	methyl isobutyl ketone	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Vinyl Chloride	Total Xylenes	Bromobenzene	2-Chlorotoluene	4-Chlorotoluene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Naphthalene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,2,4,5-Trichlorobenzene	1,3,5-Trichlorobenzene	p-Isopropyltoluene	Dibromochloromethane	Isopropylbenzene	
MDEQ GW	6.09E+02	5.00E+00	1.69E-01	8.49E+00	8.52E+00	5.00E+00	1.00E+02	3.64E+00	1.43E+00	1.55E-01	7.00E+01	5.00E+00	5.00E+00	7.00E+00	7.00E+02	5.00E+00	1.91E+03	1.39E+02	1.00E+02	5.00E+00	1.00E+02	5.00E+00	2.00E+00	1.00E+04	-	-	-	6.00E+02	5.48E+00	7.50E+01	6.20E+00	-	7.00E+00	1.23E+01	1.23E+01	-	-	1.26E-01	6.79E+02	
MDEQ GW	608	5	0.168	8.48	8.52	5	100	3.64	1.43	0.155	70	5	5	7	700	5	1910	139	100	5	100	5	2	10000	-	-	-	600	5.48	75	6.2	-	7	12.3	12.3	-	-	0.13	679	
MW-04	Dec-02	ND	14	ND	ND	ND	10.00	1.81	63	1.72	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.26
	Feb-03	NA	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 12.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 13.0	NA	NA	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 15.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	
	Aug-03	NA	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 5.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
	Aug-05	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Nov-05	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Feb-06	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	May-06	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Aug-06	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA												

2999.6/T/1/T3/jk



Table 3. Summary of VOC Analytical Results, 2002 through 2011, 2011 First Semiannual Groundwater Monitoring Report, Hercules Incorporated, Hattiesburg, Mississippi.

Location	Date	Concentrations in µg/L																																									
		Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloromethane	Chloroform	cis-1,2-dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Ethylbenzene	methylene chloride	methyl ethyl ketone	methyl isobutyl ketone	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Vinyl Chloride	Total Xylenes	Bromobenzene	2-Chlorotoluene	4-Chlorotoluene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Naphthalene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	p-isopropyltoluene	Dibromochloromethane	Isopropylbenzene				
MDEQ GW		6.08E+02	5.00E+00	1.68E-01	8.48E+00	8.52E+00	5.00E+00	1.00E+02	3.64E+00	1.43E+00	1.55E-01	7.00E+01	5.00E+00	5.00E+00	7.00E+00	7.00E+02	5.00E+00	1.91E+03	1.39E+02	1.00E+02	5.00E+00	1.00E+02	5.00E+00	2.00E+00	1.00E+04	--	--	--	6.00E+02	5.48E+00	7.50E+01	6.20E+00	--	7.00E+00	1.23E+01	1.23E+01	--	1.26E-01	6.79E+02				
MDEQ GW		608	5	0.168	8.48	8.52	5	100	3.64	1.43	0.155	70	5	5	7	700	5	1910	139	100	5	100	5	2	10000	--	--	--	600	5.48	75	6.2	--	7	12.3	12.3	--	0.13	679				
MW-12	Aug-05	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
	Nov-05	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
	Feb-06	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	May-06	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Aug-06	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Nov-06	91	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Feb-07	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	May-07	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Nov-07	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	May-08	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nov-08	32	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
May-09	28	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dec-09	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
May-10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dec-10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Jul-11	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	Aug-05	< 25	120	< 1.0	< 1.0	< 1.0	260	10	< 1.0	< 1.0	96	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nov-05	29	78	< 1.0	< 1.0	< 1.0	53	9	< 1.0	< 1.0	56	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Feb-06	< 25	110	< 1.0	< 1.0	1.6	77	22	< 1.0	< 1.0	63	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	May-06	< 25	48	< 1.0	< 1.0	< 1.0	110	5	< 1.0	< 1.0	33	1.00	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aug-06	< 25	72	< 1.0	< 1.0	< 1.0	45	17	< 1.0	< 1.0	35	3.10	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nov-06	< 25	94	< 1.0	< 1.0	< 1.0																																					



Table 3. Summary of VOC Analytical Results, 2002 through 2011, 2011 First Semiannual Groundwater Monitoring Report, Hercules Incorporated, Hattiesburg, Mississippi.

Location	Date	Concentrations in µg/L																																										
		Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloromethane	Chloroform	cis-1,2-dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Ethylbenzene	methylene chloride	methyl ethyl ketone	methyl isobutyl ketone	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Vinyl Chloride	Total Xylenes	Bromobenzene	2-Chlorotoluene	4-Chlorotoluene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Naphthalene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	p-isopropyltoluene	Dibromochloromethane	Isopropylbenzene					
	MDEQ GW	6.08E+02	5.00E+00	1.68E-01	8.48E+00	8.52E+00	5.00E+00	1.00E+02	3.64E+00	1.43E+00	1.55E-01	7.00E+01	5.00E+00	5.00E+00	7.00E+00	7.00E+02	5.00E+00	5.00E+00	7.00E+02	1.91E+03	1.39E+02	1.00E+02	5.00E+00	1.00E+02	5.00E+00	2.00E+00	1.00E+04	--	--	--	6.00E+02	5.48E+00	7.50E+01	6.20E+00	--	7.00E+00	1.23E+01	1.23E+01	--	1.26E-01	6.79E+02			
	MDEQ GW	608	5	0.168	8.48	8.52	5	100	3.64	1.43	0.155	70	5	5	7	700	5	1910	139	100	5	100	5	2	10000	--	--	--	600	5.48	75	6.2	--	7	12.3	12.3	--	0.13	679					
MW-16	Aug-05	< 25	2.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	5.2	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
	Nov-05	< 25	1.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	2.1	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
	Feb-06	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
	May-06	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
	Aug-06	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
	Nov-06	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
	Feb-07	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	May-07	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Nov-07	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	May-08	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nov-08	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
May-09	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dec-09	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
May-10	< 25	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.3	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 3.5	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dec-10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Jul-11	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-17	Aug-05	< 6,300	6,200	< 1.0	< 250	< 250	1,500	340	< 250	< 250	1,200	NA	< 250	< 250	< 250	< 250	< 1,300	NA	NA	< 250	< 250	920	< 250	680	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Nov-05	< 13,000	1,500	< 1.0	< 500	< 500	17,000	< 500	< 500	< 500	1,600	NA	< 500	< 500	< 500	< 500	< 2,500	NA	NA	< 500	< 500	< 500	< 500	< 500	< 1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Feb-06	< 13,000	1,300	< 1.0	< 500	< 500	37,000	600	< 500	< 500	2,600	NA	< 500	< 500	< 500	< 500	< 2,500	NA	NA	< 500	< 500	< 500	< 500	< 500	< 1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	May-06	< 6,300	4,200	< 250	< 250	< 250	30,000	530	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 1,300	NA	NA	< 250	< 250	720	< 250	540	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Aug-06	570	1,000	< 1.0	< 1.0	< 1.0	33,000	610	3	< 1	3,000	26	< 1.0	< 1.0	6.0	36	10.0	< 10.0	< 10.0	< 1.0	< 1.0	8.00	69	< 1.0	< 1.0	83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nov-06	< 5,000																																										



Table 3. Summary of VOC Analytical Results, 2002 through 2011, 2011 First Semiannual Groundwater Monitoring Report, Hercules Incorporated, Hattiesburg, Mississippi.

Location	Date	Concentrations in µg/L																																										
		Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloromethane	Chloroform	cis-1,2-dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Ethylbenzene	methylene chloride	methyl ethyl ketone	methyl isobutyl ketone	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Vinyl Chloride	Total Xylenes	Bromobenzene	2-Chlorotoluene	4-Chlorotoluene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Naphthalene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	p-Isopropyltoluene	Dibromochloromethane	Isopropylbenzene					
MDEQ GW		6.08E+02	5.00E+00	1.68E-01	8.48E+00	8.52E+00	5.00E+00	1.00E+02	3.64E+00	1.43E+00	1.55E-01	7.00E+01	5.00E+00	5.00E+00	7.00E+00	7.00E+02	5.00E+00	1.91E+03	1.39E+02	1.00E+02	5.00E+00	1.00E+02	5.00E+00	2.00E+00	1.00E+04	-	-	-	6.00E+02	5.48E+00	7.50E+01	6.20E+00	-	7.00E+00	1.23E+01	1.23E+01	-	1.26E-01	6.79E+02					
MDEQ GW		608	5	0.168	8.48	8.52	5	100	3.64	1.43	0.155	70	5	5	7	700	5	1910	139	100	5	100	5	2	10000	-	-	-	600	5.48	75	6.2	-	7	12.3	12.3	-	0.13	679					
MW-20	Sep-09	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
	May-10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
	Dec-10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
MW-21	Jul-11	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Sep-09	< 1,200	4,400	< 50	< 50	< 50	< 50	170	< 50	< 50	6,800	< 50	< 50	< 50	< 50	< 50	< 250	< 500	640	< 50	< 50	4,800	< 50	< 50	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	May-10	< 1,200	3,500	< 50	< 50	< 50	280	150	< 50	< 50	7,800	< 50	< 50	< 50	< 50	< 50	< 250	< 500	< 500	< 50	< 50	4,500	< 50	< 50	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Dec-10	< 1,200	4,400	< 50	< 50	< 50	< 50	180	< 50	< 50	7,300	< 50	84	< 50	< 50	< 50	< 250	< 500	510	< 50	< 50	4,500	< 50	< 50	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Jul-11	< 1,300	3,200	< 50	< 50	< 50	< 50	150	< 50	< 50	4,300	< 100	< 50	< 50	< 50	< 50	< 50	< 500	< 500	< 50	< 50	2,600	< 50	< 50	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-22	Sep-09	86	9.80	< 1.0	< 1.0	< 1.0	< 1.0	7.70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	May-10	< 25	6.60	< 1.0	< 1.0	< 1.0	< 1.0	4.90	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Dec-10	< 25	6.30	< 1.0	< 1.0	< 1.0	< 1.0	2.30	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Jul-11	< 25	10.0	< 1.0	< 1.0	< 1.0	< 1.0	8.70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	21	< 1.0	< 1.0	1.1	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-23	Sep-09	1,600	9,200	< 100	< 50	< 100	< 50	190	< 100	< 100	1,400	< 100	< 50	< 50	< 50	< 50	290	< 500	1,300	< 100	< 100	3,300	< 500	< 50	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	May-10	< 2,500	10,000	< 100	< 50	< 100	< 100	180	< 100	< 100	2,000	< 100	< 100	< 100	< 100	< 100	< 500	< 1,000	1,000	< 100	< 100	3,300	< 100	< 100	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dec-10	< 2,500	7,600	< 100	< 50	< 100	< 100	< 100	< 100	< 100	2,900	< 100	< 100	< 100	< 100	< 100	< 500	< 1,000	< 1,000	< 100	< 100	1,400	< 100	< 100	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Jul-11	< 2,500	8,800	< 100	< 100	< 100	< 100	140	< 100	< 100	3,200	< 100	< 100	< 100	< 100	< 100	< 500	< 1,000	< 1,100	< 100	< 100	1,300	< 100	< 100	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-24	Sep-09	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	May-10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Dec-10	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Jul-11	< 25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10.0	< 10.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
µg/L Micrograms per liter.
MDEQ Mississippi Department of Environmentl Quality.
MDEQ_GW MDEQ Tier 1 Target Remediation Goal.
-- Standard not promulgated.
< Less than.
Boldface type Compound detected.
Shaded cells indicate that the reported result exceeds the EPA RSL or MDEQ_GW.
NA Not analyzed.
B Compound detected in the associated method blank.
J Estimated value.
Some Appendix IX parameters not shown due to no detections for that parameter



Table 4. QA/QC Sample Analytical Results, 2011 First Semiannual Groundwater Monitoring Report, Hercules Incorporated, Hattiesburg, Mississippi.

Location/ Sample ID	Sample Date	Benzene	Carbon Tetrachloride	Chlorobenzene	Chloroform	Ethylbenzene	Methylene Chloride	1,4- Dioxane	o,o,o- Triethylphos- phorothioate	Alpha- BHC	Gamma- BHC	Total TCDF	Arsenic	Barium	Sulfide
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pg/L	µg/L	µg/L	mg/L
MW-8	7/26/2011	4,600	2,600	220	640	55	340	13000	3400	0.61	0.3	60	42	260	5
DUP-072611	7/26/2011	5,100	2,700	240	640	61	350	9400	3300	0.75	0.45	66	44	260	17
Relative % Difference	--	10%	4%	9%	0%	10%	3%	32%	3%	21%	40%	10%	5%	0%	109%
MW-9	7/28/2011	< 1.0	1.0	< 1.0	< 1.0	< 1.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA
DUP-072811	7/28/2011	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA
Relative % Difference	--	0%	0%	0%	0%	0%	0%	--	--	--	--	--	--	--	--
MW-11	7/27/2011	< 1.0	1.0	< 1.0	< 1.0	< 1.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA
DUP-072711	7/27/2011	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA
Relative % Difference	--	0%	0%	0%	0%	0%	0%	--	--	--	--	--	--	--	--
RS1-072611	7/26/2011	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 10	< 10	< 0.051	< 0.051	< 10	< 2.5	12	2.3
RS2-072811	7/28/2011	< 1.0	< 1.0	< 1.0	1.6	< 1.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA
Rinsate 7.25.11	7/25/2011	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA
Trip Blank	7/25/2011	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA
Trip Blank	7/26/2011	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA
Trip Blank 063011	7/27/2011	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA
Trip Blank 063011	7/28/2011	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA

"<" indicates that the concentration of the analyte is less than the concentrations shown.

NA - Not analyzed for particular constituent



Table 5. Groundwater Analytical Results - Supplemental Appendix IX, First Semiannual Groundwater Monitoring Report, Hercules Incorporated, Hattiesburg, Mississippi.

Location ID: Date Collected:	CAS #	EPA RSL TAP WATER	MDEQ GW	UNITS	MW-02 07/27/11	MW-03 07/27/11	MW-04 07/27/11	MW-05 07/28/11	MW-06 07/28/11	MW-07 07/28/11	MW-08 07/26/11	MW-09 07/28/11	MW-10 07/27/11	MW-11 07/27/11	MW-12 07/27/11	MW-13 07/26/11	MW-14 07/28/11	MW-15 07/28/11	MW-16 07/28/11	MW-17 07/26/11	MW-18 07/27/11	MW-19 07/26/11	MW-20 07/27/11	MW-21 07/26/11	MW-22 07/27/11	MW-23 07/26/11	MW-24 07/27/11
PEST/PCB-EPA 8081A/8082																											
4,4'-DDD	72-54-8	2.80E-01	2.79E-01	ug/L	<0.099	NA	<0.1	NA	NA	NA	<0.1 [0.098]	NA	NA	NA	<0.099	<0.1	NA	NA	NA	<0.99	NA	<0.099	NA	NA	NA	<0.099	NA
4,4'-DDE	72-55-9	2.00E-01	1.97E-01	ug/L	<0.099	NA	<0.1	NA	NA	NA	<0.1 [0.098]	NA	NA	NA	<0.099	<0.1	NA	NA	NA	<0.99	NA	<0.099	NA	NA	NA	<0.099	NA
4,4'-DDT	50-29-3	2.00E-01	1.97E-01	ug/L	<0.099	NA	<0.1	NA	NA	NA	<0.1 [0.098]	NA	NA	NA	<0.099	<0.1	NA	NA	NA	<0.99	NA	<0.099	NA	NA	NA	<0.099	NA
4-Chlorobenzilate	510-15-6	6.10E-01	2.48E-01	ug/L	<0.5	NA	<0.51	NA	NA	NA	<0.51 [0.49]	NA	NA	NA	<0.5	<0.51	NA	NA	NA	<4.9	NA	<0.49	NA	NA	NA	<0.49	NA
Aldrin	309-00-2	4.00E-03	3.94E-03	ug/L	<0.05	NA	<0.051	NA	NA	NA	<0.051 [0.049]	NA	NA	NA	<0.05	<0.051	NA	NA	NA	<0.49	NA	<0.049	NA	NA	NA	<0.049	NA
Alpha-BHC	319-84-6	1.10E-02	1.06E-02	ug/L	<0.05	NA	<0.051	NA	NA	NA	0.61 [0.75]	NA	NA	NA	<0.05	0.25	NA	NA	NA	1.5 p	NA	<0.049	NA	NA	NA	<0.049	NA
Aroclor-1016	12674-11-2	9.60E-01	9.57E-01	ug/L	<0.99	NA	<1 [0.98]	<1	NA	NA	<1 [0.98]	NA	NA	NA	<0.99	<1	NA	NA	NA	<9.9	NA	<0.99	NA	NA	NA	<0.99	NA
Aroclor-1221	11104-28-2	6.80E-03	3.35E-02	ug/L	<2	NA	<2 [2]	<2	NA	NA	<2 [2]	NA	NA	NA	<2	<2	NA	NA	NA	<20	NA	<2	NA	NA	NA	<2	NA
Aroclor-1232	11141-16-5	6.80E-03	3.35E-02	ug/L	<0.99	NA	<1	NA	NA	NA	<1 [0.98]	NA	NA	NA	<0.99	<1	NA	NA	NA	<9.9	NA	<0.99	NA	NA	NA	<0.99	NA
Aroclor-1242	53469-21-9	3.40E-02	3.35E-02	ug/L	<0.99	NA	<1	NA	NA	NA	<1 [0.98]	NA	NA	NA	<0.99	<1	NA	NA	NA	<9.9	NA	<0.99	NA	NA	NA	<0.99	NA
Aroclor-1248	12672-29-6	3.40E-02	3.35E-02	ug/L	<0.99	NA	<1	NA	NA	NA	<1 [0.98]	NA	NA	NA	<0.99	<1	NA	NA	NA	<9.9	NA	<0.99	NA	NA	NA	<0.99	NA
Aroclor-1254	11097-69-1	3.40E-02	3.35E-02	ug/L	<0.99	NA	<1	NA	NA	NA	<1 [0.98]	NA	NA	NA	<0.99	<1	NA	NA	NA	<9.9	NA	<0.99	NA	NA	NA	<0.99	NA
Aroclor-1260	11096-82-5	3.40E-02	3.35E-02	ug/L	<0.99	NA	<1	NA	NA	NA	<1 [0.98]	NA	NA	NA	<0.99	<1	NA	NA	NA	<9.9	NA	<0.99	NA	NA	NA	<0.99	NA
Beta-BHC	319-85-7	3.70E-02	3.72E-02	ug/L	<0.05	NA	<0.051	NA	NA	NA	<0.051 [0.049]	NA	NA	NA	<0.05	<0.051	NA	NA	NA	<0.49	NA	<0.049	NA	NA	NA	<0.049	NA
Delta-BHC	319-86-8	--	--	ug/L	<0.05	NA	<0.051	NA	NA	NA	<0.051 [0.049]	NA	NA	NA	<0.05	<0.051	NA	NA	NA	<0.49	NA	<0.049	NA	NA	NA	<0.049	NA
Dieldrin	60-57-1	4.20E-03	4.19E-03	ug/L	<0.099	NA	<0.1	NA	NA	NA	<0.1 [0.098]	NA	NA	NA	<0.099	<0.1	NA	NA	NA	<0.99	NA	<0.099	NA	NA	NA	<0.099	NA
Endosulfan I	959-98-8	--	--	ug/L	<0.05	NA	<0.051	NA	NA	NA	<0.051 [0.049]	NA	NA	NA	<0.05	<0.051	NA	NA	NA	<0.49	NA	<0.049	NA	NA	NA	<0.049	NA
Endosulfan II	33213-65-9	--	--	ug/L	<0.099	NA	<0.1	NA	NA	NA	<0.1 [0.098]	NA	NA	NA	<0.099	<0.1	NA	NA	NA	<0.99	NA	<0.099	NA	NA	NA	<0.099	NA
Endosulfan Sulfate	1031-07-8	--	--	ug/L	<0.099	NA	<0.1	NA	NA	NA	<0.1 [0.098]	NA	NA	NA	<0.099	<0.1	NA	NA	NA	<0.99	NA	<0.099	NA	NA	NA	<0.099	NA
Endrin	72-20-8	1.10E+01	2.00E+00	ug/L	<0.099	NA	<0.1	NA	NA	NA	<0.1 [0.098]	NA	NA	NA	<0.099	<0.1	NA	NA	NA	<0.99	NA	<0.099	NA	NA	NA	<0.099	NA
Endrin Aldehyde	7421-93-4	--	--	ug/L	<0.099	NA	<0.1	NA	NA	NA	<0.1 [0.098]	NA	NA	NA	<0.099	<0.1	NA	NA	NA	<0.99	NA	<0.099	NA	NA	NA	<0.099	NA
Endrin Ketone	53494-70-5	--	--	ug/L	<0.099	NA	<0.1	NA	NA	NA	<0.1 [0.098]	NA	NA	NA	<0.099	<0.1	NA	NA	NA	<0.99	NA	<0.099	NA	NA	NA	<0.099	NA
Gamma-BHC (Lindane)	58-89-9	6.10E-02	2.00E-01	ug/L	<0.05	NA	<0.051	NA	NA	NA	0.3 [0.45]	NA	NA	NA	<0.05	<0.051	NA	NA	NA	<0.49	NA	<0.049	NA	NA	NA	<0.049	NA
Heptachlor	76-44-8	1.50E-02	4.00E-01	ug/L	<0.05	NA	<0.051	NA	NA	NA	<0.051 [0.049]	NA	NA	NA	<0.05	<0.051	NA	NA	NA	<0.49	NA	<0.049	NA	NA	NA	<0.049	NA
Heptachlor Epoxide	1024-57-3	7.40E-03	2.00E-01	ug/L	<0.05	NA	<0.051	NA	NA	NA	<0.051 [0.049]	NA	NA	NA	<0.05	<0.051	NA	NA	NA	<0.49	NA	<0.049	NA	NA	NA	<0.049	NA
Isodrin	465-73-6	--	--	ug/L	<0.05	NA	<0.051	NA	NA	NA	<0.051 [0.049]	NA	NA	NA	<0.05	<0.051	NA	NA	NA	<0.49	NA	<0.049	NA	NA	NA	<0.049	NA
Kepone	143-50-0	6.70E-03	--	ug/L	<0.99 *	NA	<1 *	NA	NA	NA	<1 [0.98]	NA	NA	NA	<0.99 *	<1	NA	NA	NA	<9.9	NA	<0.99	NA	NA	NA	<0.99	NA
Methoxychlor	72-43-5	1.80E+02	4.00E+01	ug/L	<0.099	NA	<0.1	NA	NA	NA	<0.1 [0.098]	NA	NA	NA	<0.099	<0.1	NA	NA	NA	<0.99	NA	<0.099	NA	NA	NA	<0.099	NA
Technical Chlordane	57-74-9	--	2.00E+00	ug/L	<0.5	NA	<0.51	NA	NA	NA	<0.51 [0.49]	NA	NA	NA	<0.5	<0.51	NA	NA	NA	<4.9	NA	<0.49	NA	NA	NA	<0.49	NA
Toxaphene	8001-35-2	6.10E-02	3.00E+00	ug/L	<5	NA	<5.1	NA	NA	NA	<5.1 [4.9]	NA	NA	NA	<5	<5.1	NA	NA	NA	<49	NA	<4.9	NA	NA	NA	<4.9	NA
Herb-EPA 8151A																											
2,4,5-T	93-76-5	3.70E+02	3.65E+02	ug/L	<0.51	NA	<0.51	NA	NA	NA	<0.51 [0.5]	NA	NA	NA	<0.51	<0.5	NA	NA	NA	<0.51	NA	<0.5	NA	NA	NA	<0.5	NA
2,4,5-TP	93-72-1	2.90E+02	5.00E+01	ug/L	<0.51	NA	<0.51	NA	NA	NA	<0.51 [0.5]	NA	NA	NA	<0.51	<0.5	NA	NA	NA	<0.51	NA	<0.5	NA	NA	NA	<0.5	NA
2,4-D	94-75-7	3.70E+02	7.00E+01	ug/L	<0.51	NA	<0.51	NA	NA	NA	<0.51 [0.5]	NA	NA	NA	<0.51	<0.5	NA	NA	NA	<0.51	NA	<0.5	NA	NA	NA	10 D	NA
Volatile Organics-EPA 8260B																											
1,1,1,2-Tetrachloroethane	630-20-6	5.20E-01																									



Table 5. Groundwater Analytical Results - Supplemental Appendix IX, First Semiannual Groundwater Monitoring Report, Hercules Incorporated, Hattiesburg, Mississippi.

Location ID: Date Collected:	CAS #	EPA RSL TAP WATER	MDEQ GW	UNITS	MW-02 07/27/11	MW-03 07/27/11	MW-04 07/27/11	MW-05 07/28/11	MW-06 07/28/11	MW-07 07/28/11	MW-08 07/26/11	MW-09 07/28/11	MW-10 07/27/11	MW-11 07/27/11	MW-12 07/27/11	MW-13 07/26/11	MW-14 07/28/11	MW-15 07/28/11	MW-16 07/28/11	MW-17 07/26/11	MW-18 07/27/11	MW-19 07/26/11	MW-20 07/27/11	MW-21 07/26/11	MW-22 07/27/11	MW-23 07/26/11	MW-24 07/27/11
1,2,4,5-Tetrachlorobenzene	95-94-3	1.10E+01	1.10E+01	ug/L	<9.9	NA	NA	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
1,2,4-Trichlorobenzene	120-82-1	2.30E+00	7.00E+01	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
1,2-Dichlorobenzene	95-50-1	3.70E+02	6.00E+02	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
1,3,5-Trinitrobenzene	99-35-4	1.10E+03	1.10E+03	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
1,3-Dichlorobenzene	541-73-1	--	5.48E+00	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
1,3-Dinitrobenzene	99-65-0	3.70E+00	3.65E+00	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
1,4-Dichlorobenzene	106-46-7	4.30E-01	7.50E+01	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
1,4-Dioxane	123-91-1	6.70E-01	6.09E+00	ug/L	<9.9	NA	23	NA	NA	NA	13,000 [9,400]	NA	NA	NA	<12	470	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	890	NA
1,4-Naphthoquinone	130-15-4	--	--	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
1-Naphthylamine	134-32-7	--	--	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
2,2'-Oxybis(1-Chloropropane)	108-60-1	3.20E-01	--	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
2,3,4,6-Tetrachlorophenol	58-90-2	1.10E+03	1.10E+03	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
2,4,5-Trichlorophenol	95-95-4	3.70E+03	3.65E+03	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
2,4,6-Trichlorophenol	88-06-2	6.10E+00	6.09E+00	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
2,4-Dichlorophenol	120-83-2	1.10E+02	1.10E+02	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
2,4-Dimethylphenol	105-67-9	7.30E+02	7.30E+02	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
2,4-Dinitrophenol	51-28-5	7.30E+01	7.30E+01	ug/L	<49	NA	<52	NA	NA	NA	<5,200 <2,500	NA	NA	NA	<62	<250	NA	NA	NA	<5,000	NA	<500	NA	NA	NA	<480	NA
2,4-Dinitrotoluene	121-14-2	2.20E-01	7.30E+01	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
2,6-Dichlorophenol	87-65-0	--	--	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
2,6-Dinitrotoluene	606-20-2	3.70E+01	3.65E+01	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
2-Acetylaminofluorene	53-96-3	1.80E-02	--	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
2-Chloronaphthalene	91-58-7	2.90E+03	4.87E+02	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
2-Chlorophenol	95-57-8	1.80E+02	3.04E+01	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
2-Methylnaphthalene	91-57-6	1.50E+02	1.22E+02	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
2-Methylphenol	95-48-7	1.80E+03	1.83E+03	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
2-Naphthylamine	91-59-8	3.70E-02	--	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
2-Nitroaniline	88-74-4	3.70E+02	4.17E-01	ug/L	<49	NA	<52	NA	NA	NA	<5,200 <2,500	NA	NA	NA	<62	<250	NA	NA	NA	<5,000	NA	<500	NA	NA	NA	<480	NA
2-Nitrophenol	88-75-5	--	4.16E-01	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
2-Picoline	109-06-8	--	--	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
3 & 4 Methylphenol	15831-10-4	--	--	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	660	NA
3,3'-Dichlorobenzidine	91-94-1	1.50E-01	1.49E-01	ug/L	<59	NA	<63	NA	NA	NA	<6,200 <3,000	NA	NA	NA	<75	<290	NA	NA	NA	<6,000	NA	<99	NA	NA	NA	<580	NA
3,3'-Dimethylbenzidine	119-93-7	6.10E-03	7.28E-03	ug/L	<20	NA	<21	NA	NA	NA	<2,100 <1,000	NA	NA	NA	<25	<98	NA	NA	NA	<2,000	NA	<200	NA	NA	NA	<190	NA
3-Methylcholanthrene	56-49-5	9.80E-04	--	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
3-Nitroaniline	99-09-2	--	--	ug/L	<49	NA	<52	NA	NA	NA	<5,200 <2,500	NA	NA	NA	<62	<250	NA	NA	NA	<5,000	NA	<500	NA	NA	NA	<480	NA
4,6-Dinitro-2-methylphenol	534-52-1	2.90E+00	3.65E+00	ug/L	<49	NA	<52	NA	NA	NA	<5,200 <2,500	NA	NA	NA	<62	<250	NA	NA	NA	<5,000	NA	<500	NA	NA	NA	<480	NA
4-Aminobiphenyl	92-67-1	3.20E-03	--	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
4-Bromophenyl-phenylether	101-55-3	--	--	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
4-Chloro-3-Methylphenol	59-50-7	3.70E+03	7.30E+04	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
4-Chloroaniline	106-47-8	3.40E-01	1.46E+02	ug/L	<20	NA	<21	NA	NA	NA	<2,100 <1,000	NA	NA	NA	<25	<98	NA	NA	NA	<2,000	NA	<200	NA	NA	NA	<190	NA
4-Chlorophenyl-phenylether	7005-72-3	--	--	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
4-Nitroaniline	100-01-6	3.40E+00	--	ug/L	<49	NA	<52	NA	NA	NA	<5,200 <2,500	NA	NA	NA	<62	<250	NA	NA	NA	<5,000	NA	<500	NA	NA	NA	<480	NA
4-Nitrophenol	100-02-7	--	2.92E+02	ug/L	<49	NA	<52	NA	NA	NA	<5,200 <2,500	NA	NA	NA	<62	<250	NA	NA	NA	<5,000	NA	<500	NA	NA	NA	<480	NA
4-Nitroquinoline-1-oxide	56-57-5	--	--	ug/L	<20	NA	<21	NA	NA	NA	<2,100 <1,000	NA	NA	NA	<25	<98	NA	NA	NA	<2,000	NA	<200	NA	NA	NA	<190	NA
4-Phenylenediamine	106-50-3	6.90E+03	6.94E+03	ug/L	<2,000	NA	<2,100	NA	NA	NA	<210,000 <100,000	NA	NA	NA	<2,500	<9,800	NA	NA	NA	<200,000	NA	<20,000	NA	NA	NA	<19,000	NA
5-Nitro-o-toluidine	95-55-8	7.50E+00	2.03E+00	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
7,12-Dimethylbenz(a)anthracene	57-97-6	8.60E-05	--	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
9,10-Dimethylphenanthrene	83-32-9	2.20E+03	3.65E+02	ug/L	<2,000	NA	<2,100	NA	NA	NA	<210,000 <100,000	NA	NA	NA	<2,500	<9,800	NA	NA	NA	<200,000	NA	<20,000	NA	NA	NA	<19,000	NA
Acenaphthene	209-96-8	93-32-9	2.19E+03	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
Acenaphthylene	90-88-2	3.70E+03	4.16E-02	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
Acetophenone	62-53-3	1.20E+01	1.17E+01	ug/L	<20	NA	<21	NA	NA	NA	<1,000 <510	NA	NA	NA	<25	<98	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
Aniline	120-12-7																										



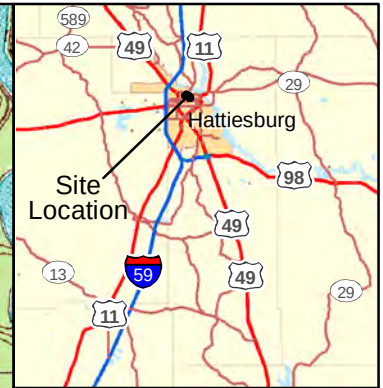
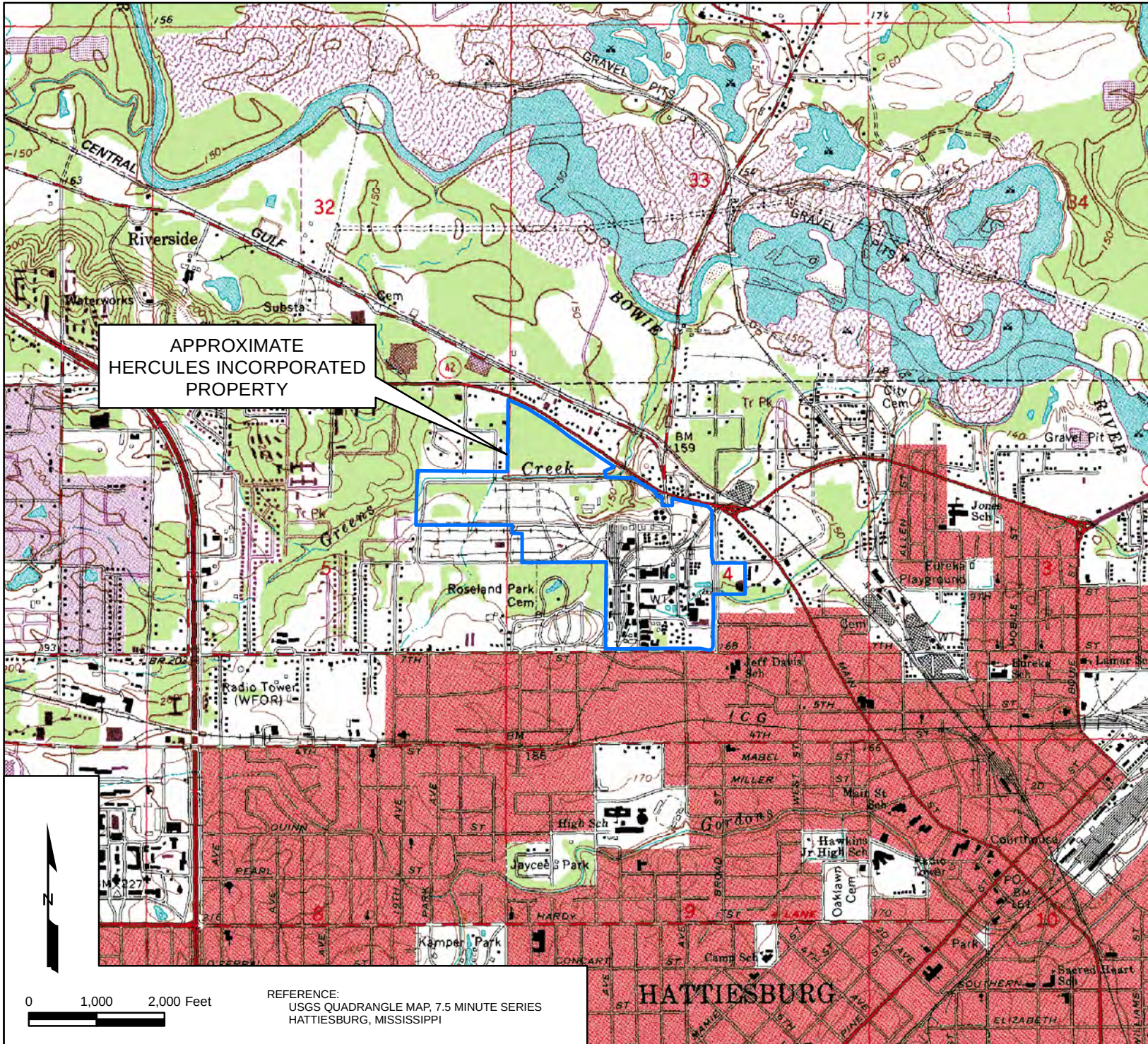
Table 5. Groundwater Analytical Results - Supplemental Appendix IX, First Semiannual Groundwater Monitoring Report, Hercules Incorporated, Hattiesburg, Mississippi.

Location ID: Date Collected:	CAS #	EPA RSL TAP WATER	MDEQ GW	UNITS	MW-02 07/27/11	MW-03 07/27/11	MW-04 07/27/11	MW-05 07/28/11	MW-06 07/28/11	MW-07 07/28/11	MW-08 07/26/11	MW-09 07/28/11	MW-10 07/27/11	MW-11 07/27/11	MW-12 07/27/11	MW-13 07/26/11	MW-14 07/28/11	MW-15 07/28/11	MW-16 07/28/11	MW-17 07/26/11	MW-18 07/27/11	MW-19 07/26/11	MW-20 07/27/11	MW-21 07/26/11	MW-22 07/27/11	MW-23 07/26/11	MW-24 07/27/11
N-Nitrosodimethylamine	62-75-9	4.20E-04	1.31E-03	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
N-Nitroso-di-n-butylamine	924-16-3	2.40E-03	1.89E-03	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
N-Nitroso-di-n-propylamine	621-64-7	9.60E-03	9.57E-03	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
N-Nitrosodiphenylamine	86-30-6	1.40E+01	1.37E+01	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
N-Nitrosomethylethylamine	10595-95-6	3.10E-03	3.04E-03	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
N-Nitrosomorpholine	59-89-2	1.00E-02	- -	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
N-Nitrosopiperidine	100-75-4	7.20E-03	- -	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
N-Nitrosopyrrolidine	930-55-2	3.20E-02	3.19E-02	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
o,o,o-Triethylphosphorothioate	126-68-1	- -	- -	ug/L	<9.9	NA	22	NA	NA	NA	3,400 [3,300]	NA	NA	NA	<12	190	NA	NA	NA	12,000	NA	<99	NA	NA	NA	<97	NA
o-Toluidine	95-53-4	- -	2.79E-01	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
p-Dimethylaminoazobenzene	60-11-7	1.50E-02	- -	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
Pentachlorobenzene	608-93-5	2.90E+01	2.92E+01	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
Pentachloronitrobenzene	82-68-8	2.60E-01	2.58E-01	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
Pentachlorophenol	87-86-5	1.70E-01	1.00E+00	ug/L	<49	NA	<52	NA	NA	NA	<5,200 <2,500	NA	NA	NA	<62	<250	NA	NA	NA	<5,000	NA	<500	NA	NA	NA	<480	NA
Phenacetin	62-44-2	3.10E+01	- -	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
Phenanthrene	85-01-8	- -	1.10E+03	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
Phenol	108-95-2	1.10E+04	2.19E+04	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	140	NA
Phorate	298-02-2	7.30E+00	- -	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
Pronamide	23950-58-5	2.70E+03	- -	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
Pyrene	129-00-0	1.10E+03	1.83E+02	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
Pyridine	110-86-1	3.70E+01	3.65E+01	ug/L	<49	NA	<52	NA	NA	NA	<5,200 <2,500	NA	NA	NA	<62	<250	NA	NA	NA	<5,000	NA	<500	NA	NA	NA	<480	NA
Safrole	94-59-7	9.80E-02	- -	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
Sulfotep	3689-24-5	1.80E+01	- -	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
Thionazin	297-97-2	- -	- -	ug/L	<9.9	NA	<10	NA	NA	NA	<1,000 <510	NA	NA	NA	<12	<49	NA	NA	NA	<1,000	NA	<99	NA	NA	NA	<97	NA
Dioxins-EPA 8290																											
2,3,7,8-TCDD	1746-01-6	5.20E-01	3.00E+01	pg/L	<10	NA	<10	NA	NA	NA	<11 <10	NA	NA	NA	<9.8	<10	NA	NA	NA	<10	NA	<10	NA	NA	NA	<10	NA
Total TEQ	- -	- -	- -	pg/L	0.00	NA	0.00	NA	NA	NA	0.00	NA	NA	NA	0.00	0.00	NA	NA	NA	0.00	NA	0.00	NA	NA	NA	0.00	NA
Inorganics-EPA 6020																											
Antimony	7440-36-0	1.50E+01	6.00E+00	ug/L	<5	NA	<5	NA	NA	NA	<5 <5	NA	NA	NA	<5	<5	NA	NA	NA	<5	NA	<5	NA	NA	NA	<5	NA
Arsenic	7440-38-2	4.50E-02	5.00E+01	ug/L	2.9	NA	<2.5	NA	NA	NA	42 [44]	NA	NA	NA	<2.5	5.7	NA	NA	NA	28	NA	14	NA	NA	NA	19	NA
Barium	7440-39-3	7.30E+03	2.00E+03	ug/L	76	NA	110	NA	NA	NA	260 [260]	NA	NA	NA	120	49	NA	NA	NA	120	NA	51	NA	NA	NA	240	NA
Beryllium	7440-41-7	7.30E+01	4.00E+00	ug/L	<0.5	NA	<0.5	NA	NA	NA	<0.5 <0.5	NA	NA	NA	<0.5	<0.5	NA	NA	NA	<0.5	NA	<0.5	NA	NA	NA	3.3	NA
Cadmium	7440-43-9	- -	5.00E+00	ug/L	<0.5	NA	<0.5	NA	NA	NA	<0.5 <0.5	NA	NA	NA	<0.5	<0.5	NA	NA	NA	<0.5	NA	<0.5	NA	NA	NA	<0.5	NA
Chromium	7440-47-3	- -	- -	ug/L	<5	NA	<5	NA	NA	NA	<5 <5	NA	NA	NA	<5	<5	NA	NA	NA	<5	NA	<5	NA	NA	NA	5	NA
Cobalt	7440-48-4	1.10E+01	2.19E+03	ug/L	4.2	NA	<0.5	NA	NA	NA	<0.5 <0.5	NA	NA	NA	3.4	1.5	NA	NA	NA	0.69	NA	<0.5	NA	NA	NA	0.71	NA
Copper	7440-50-8	1.50E+03	1.30E+03	ug/L	<5	NA	<5	NA	NA	NA	<5 <5	NA	NA	NA	<5	<5	NA	NA	NA	<5	NA	<5	NA	NA	NA	<5	NA
Lead	7439-92-1	- -	1.50E+01	ug/L	<1.5	NA	<1.5	NA	NA	NA	<1.5 <1.5	NA	NA	NA	<1.5	<1.5	NA	NA	NA	<1.5	NA	<1.5	NA	NA	NA	<1.5	NA
Nickel	7440-02-0	7.30E+02	7.30E+02	ug/L	<5	NA	<5	NA	NA	NA	<5 <5	NA	NA	NA	9.7	<5	NA	NA	NA	<5	NA	<5	NA	NA	NA	<5	NA
Selenium	7782-49-2	1.80E+02	5.00E+01	ug/L	<2.5	NA	<2.5	NA	NA	NA	<2.5 <2.5	NA	NA	NA	<2.5	<2.5	NA	NA	NA	<2.5	NA	<2.5	NA	NA	NA	<2.5	NA
Silver	7440-22-4	1.80E+02	1.83E+02	ug/L	<1	NA	<1	NA	NA	NA	<1 <1	NA	NA	NA	<1	<1	NA	NA	NA	<1	NA	<1	NA	NA	NA	<1	NA
Thallium	7440-28-0	3.70E-01	2.00E+00	ug/L	<1	NA	<1	NA	NA	NA	<1 <1	NA	NA	NA	<1	<1	NA	NA	NA	<1	NA	<1	NA	NA	NA	<1	NA
Tin	7440-31-5	2.20E+04	2.19E+04	ug/L	<5	NA	<5	NA	NA	NA	<5 <5	NA	NA	NA	<5	<5	NA	NA	NA	<5	NA	<5	NA	NA	NA	<5	NA
Vanadium	7440-62-2	- -	2.56E+02	ug/L	<10	NA	<10	NA	NA	NA	<10 <10	NA	NA	NA	<10	<10	NA	NA	NA	<10	NA	<10	NA	NA	NA	16	NA
Zinc	7440-66-6	1.10E+04	1.10E+04	ug/L	<20	NA	<20	NA	NA	NA	<20 <20	NA	NA	NA	34	41	NA	NA	NA	<20	NA	57	NA	NA	NA	<20	NA
Inorganics-EPA 7470A																											
Mercury	7439-97-6	6.30E-01	2.00E+00	ug/L	<0.2	NA	<0.2	NA	NA	NA	<0.2 <0.2	NA	NA	NA	<0.2	<0.2	NA	NA	NA	<0.2	NA	<0.2	NA	NA	NA	<0.2	NA
Miscellaneous-9034																											
Sulfide	18496-25-8	- -	- -	mg/L	<1	NA	1.1	NA	NA	NA	5 [17]	NA	NA	NA	<1	<1	NA	NA	NA	4.2	NA	<1	NA	NA	NA	7.9	NA
Miscellaneous9012A																											
Cyanide	57-12-5	7.30E-01	2.00E-01	mg/L	<0.01	NA	<0.01	NA	NA	NA	<0.01 <0.01	NA	NA	NA	<0.01	<0.01	NA	NA	NA	<0.01	NA	<0.01	NA	NA	NA	<0.01	NA

*
<
- -
Boldface type
EPA
MDEQ
MDEQ_GW
mg/L
NA
RSL
TEQ
ug/L

Laboratory duplicate analysis was outside control limits.
Less than.
Standard not promulgated.
Shaded cells indicate that the reported result exceeds the EPA RSL or MDEQ_GW.
Compound detected.
U.S. Environmental Protection Agency.
Mississippi Department of Environment Quality.
MDEQ Tier 1 Target Remediation Goal.
Milligrams per liter.
Not analyzed.
Regional Screening Level.
Toxic equivalent.
Micrograms per liter.

Figures



SITE LOCATION MAP

2011 FIRST SEMIANNUAL
MONITORING REPORT

HERCULES INCORPORATED
613 W. 7th Street
Hattiesburg, Mississippi

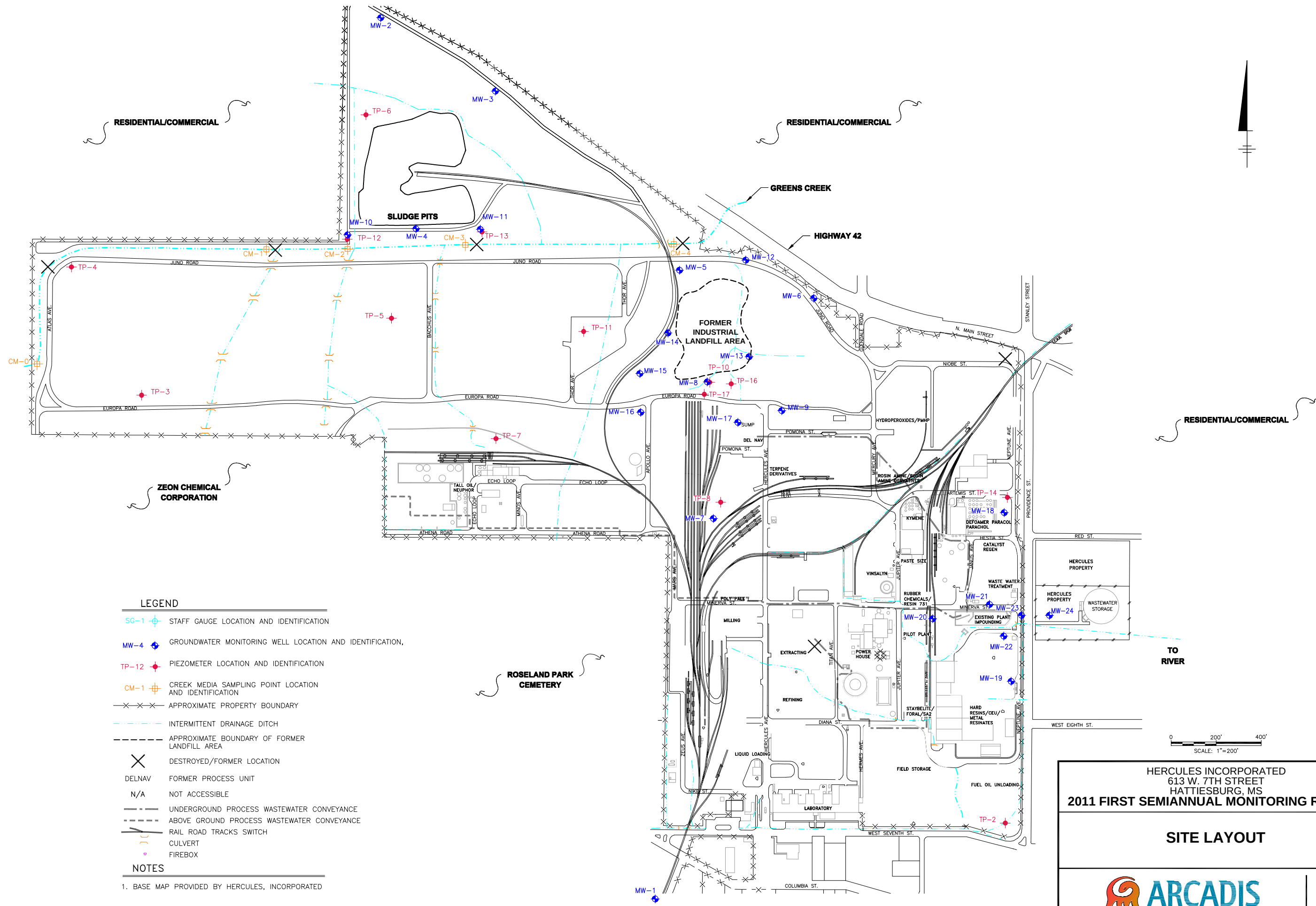


10352 PLAZA AMERICANA DRIVE
BATON ROUGE, LA 70816
TEL: 225-292-1004
FAX: 225-218-9677
WWW.ARCADIS-US.COM

PROJECT MANAGER: GHC	CHECKED BY: CD
DRAWING FILE:	GIS FILE:
DRAWING BY: JEC	DATE: 10/10/2011
PROJECT NUMBER: LA002999.0006	FIGURE NUMBER: 1

0 1,000 2,000 Feet

REFERENCE:
USGS QUADRANGLE MAP, 7.5 MINUTE SERIES
HATTIESBURG, MISSISSIPPI



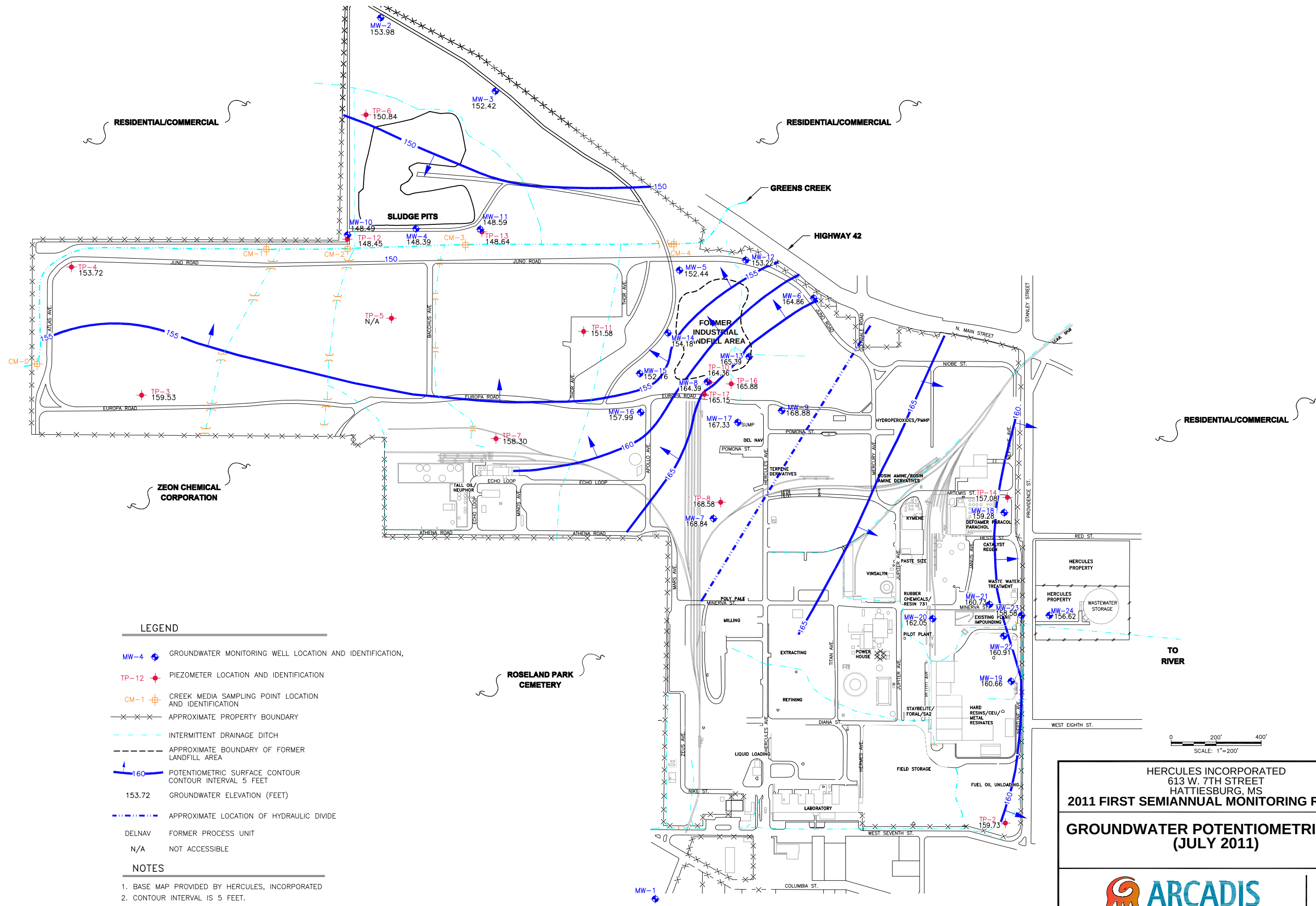
HERCULES INCORPORATED
613 W. 7TH STREET
HATTIESBURG, MS

2011 FIRST SEMIANNUAL MONITORING REPORT

SITE LAYOUT



FIGURE
2



- LEGEND**
- MW-4 GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION,
 - TP-12 PIEZOMETER LOCATION AND IDENTIFICATION
 - CM-1 CREEK MEDIA SAMPLING POINT LOCATION AND IDENTIFICATION
 - APPROXIMATE PROPERTY BOUNDARY
 - INTERMITTENT DRAINAGE DITCH
 - APPROXIMATE BOUNDARY OF FORMER LANDFILL AREA
 - POTENTIOMETRIC SURFACE CONTOUR CONTOUR INTERVAL 5 FEET
 - 153.72 GROUNDWATER ELEVATION (FEET)
 - APPROXIMATE LOCATION OF HYDRAULIC DIVIDE
 - DELNAV FORMER PROCESS UNIT
 - N/A NOT ACCESSIBLE

- NOTES**
1. BASE MAP PROVIDED BY HERCULES, INCORPORATED
 2. CONTOUR INTERVAL IS 5 FEET.

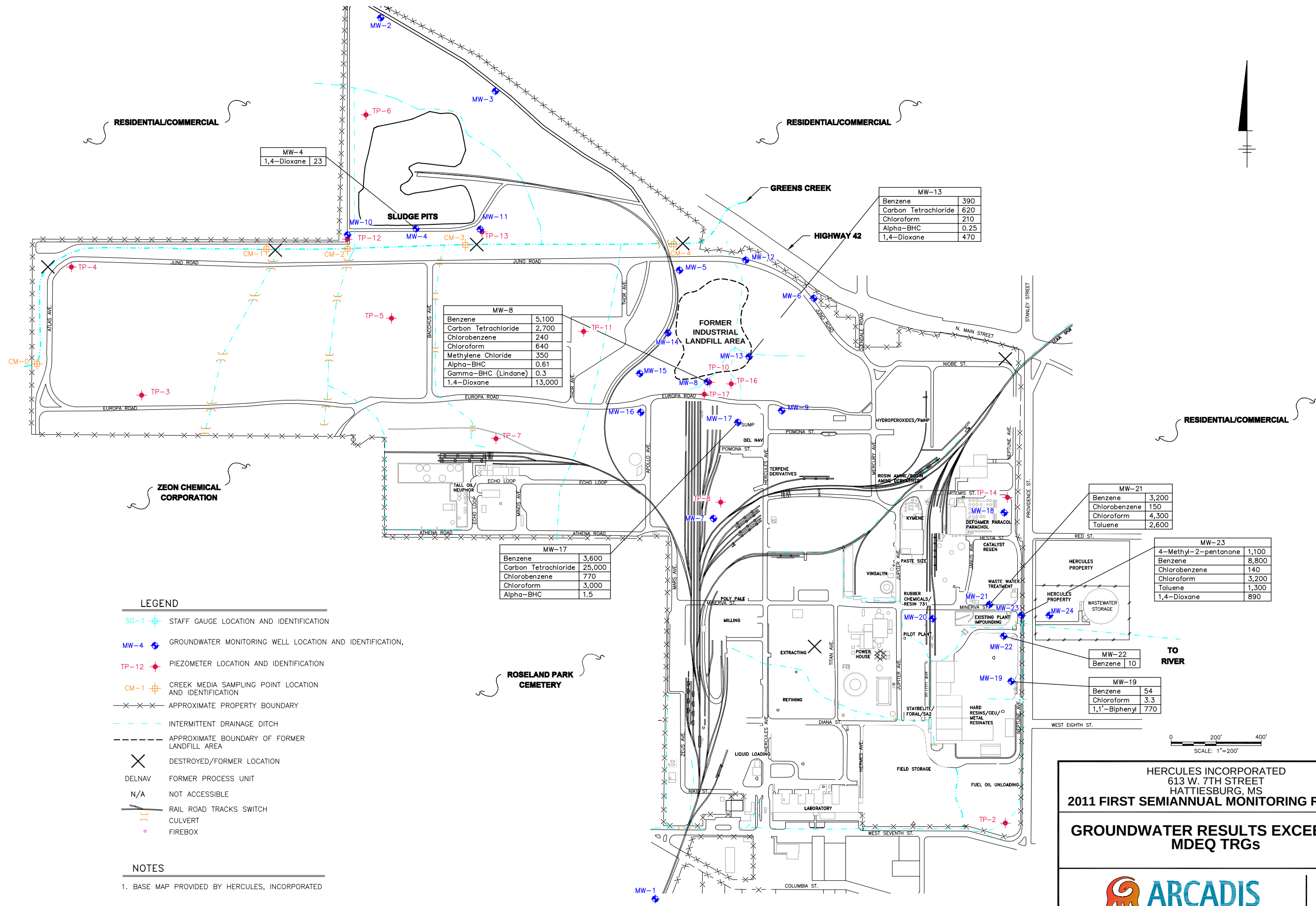
HERCULES INCORPORATED
613 W. 7TH STREET
HATTIESBURG, MS

2011 FIRST SEMIANNUAL MONITORING REPORT

**GROUNDWATER POTENTIOMETRIC MAP
(JULY 2011)**

ARCADIS

FIGURE
3





Appendix A

Groundwater Sample Collection Logs

Depth-To-Water Measurements						
Project Name		Hercules Hattiesburg APIX Semi-annual GM				
Location		Hattiesburg, Mississippi				
Project Number		11073				
Collector(s)		C.T.,B.E.				
Date	Time	Well ID	DTW (ft-btoc)	TOC Elevation	Depth of Well	Groundwater Elevation
7/25/2011	11:56	MW-3	7.61	160.03	18.00	152.42
7/25/2011	11:01	MW-2	6.09	160.07	20.50	153.98
7/25/2011	11:05	TP-6	7.79	158.63	NA	150.84
7/25/2011	11:15	MW-10	11.39	159.88	18.50	148.49
7/25/2011	11:20	TP-12	11.50	159.95	NA	148.45
7/25/2011	11:22	MW-4	11.36	159.75	18.74	148.39
7/25/2011	11:25	MW-11	8.59	157.18	17.00	148.59
7/25/2011	11:26	TP-13	8.35	156.99	NA	148.64
7/25/2011	11:30	TP-11	10.68	162.26	NA	151.58
7/25/2011	11:32	TP-7	8.87	167.17	NA	158.30
7/25/2011	NA	TP-5	NA	NA	NA	Not Accessible
7/25/2011	11:36	TP-3	10.21	169.74	NA	159.53
7/25/2011	11:44	TP-4	9.92	163.64	NA	153.72
7/25/2011	11:48	MW-5	8.55	160.99	18.50	152.44
7/25/2011	11:50	MW-12	8.95	162.17	12.00	153.22
7/25/2011	11:52	MW-6	9.19	174.05	23.25	164.86
7/25/2011	NA	TP-9	NA	163.44	NA	Destroyed
7/25/2011	11:57	TP-14	5.51	162.59	NA	157.08
7/25/2011	11:59	MW-18	6.03	165.31	17.30	159.28
7/25/2011	12:16	MW-19	11.59	172.25	21.10	160.66
7/25/2011	12:27	TP-2	11.99	171.72	NA	159.73
7/25/2011	12:32	MW-7	15.12	183.96	22.50	168.84
7/25/2011	12:33	TP-8	15.21	183.79	NA	168.58
7/25/2011	12:42	MW-16	17.63	175.62	28.50	157.99
7/25/2011	12:44	MW-15	20.05	172.21	26.50	152.16
7/25/2011	12:48	MW-14	15.05	169.23	24.30	154.18
7/25/2011	12:39	MW-13	9.84	175.23	18.50	165.39
7/25/2011	12:55	TP-16	13.84	179.72	NA	165.88
7/25/2011	12:53	TP-10	15.33	179.69	NA	164.36
7/25/2011	12:36	TP-17	17.56	182.71	NA	165.15
7/25/2011	12:57	MW-9	13.09	181.97	20.00	168.88
7/25/2011	12:51	MW-8	15.60	179.99	18.50	164.39
7/25/2011	12:59	MW-17	18.80	186.13	22.70	167.33
7/25/2011	12:11	MW-24	8.36	164.98	13.00	156.62
7/25/2011	12:03	MW-20	6.57	168.62	14.00	162.05
7/25/2011	12:07	MW-22	6.71	167.62	15.00	160.91
7/25/2011	12:05	MW-21	2.93	163.66	16.00	160.73
7/25/2011	12:09	MW-23	3.80	162.38	14.00	158.58

Notes:

Average Groundwater Elevation

158.12

DTW = Depth to Water

ft-btoc=feet below top of casing

TD=Total depth



Groundwater Sample Collection Log

Project Name: Hercules Hattiesburg APIX Semi-annual GM
Project Number: 11073

Boring ID: MW-2
Site Location: Hattiesburg, Mississippi

Start Date: 7/27/11 Finish Date: 7/27/11
Sample Technician: Chris Terrell
Purge/Sample Method: Low Flow/Low Stress with Peristaltic Pump
Well Diameter: 2"
T.O.C. Elev. AMSL 160.07
Total Depth of Well (ft) 14.00
Approximate Depth of Water Column
(h= TD of well - water level [TOC]): 20.50
Calculated Well Volume (V=6hd²)
(V = vol in gal; D = well diam. in ft): 3.36
Groundwater Elevation AMSL 153.98

Water Level Measurements		
Date	Time	B.T.O.C.
7/25/2011	11:01	6.09
7/27/2011	11:12	4.98
7/27/2011	11:20	5.34
7/27/2011	11:28	5.36
7/27/2011	11:44	5.38

WELL DEVELOPMENT/PURGING DATA								
Date/Time	Cumulative Volume (gal)	pH	Specific Conductivity (mS/cm ²)	Temperature (Celsius)	Turbidity (NTU)	D.O. (mg/l)	ORP (mv)	Comments
7/27/11 11:16	0.00	5.42	0.102	22.73	49.2	5.02	165.9	Turbid
11:21	0.25	5.20	0.097	22.62	7.47	4.45	220.0	Clear
11:26	0.50	5.18	0.095	22.70	7.11	5.04	218.6	Clear
11:31	0.75	5.15	0.093	22.73	6.08	3.72	210.5	Clear
11:36	1.00	5.12	0.093	22.73	4.70	4.35	201.7	Clear
11:41	1.25	5.13	0.093	22.75	3.49	2.61	185.7	Clear
11:48	1.50	5.14	0.095	22.75	1.88	2.37	170.2	Clear
11:53	1.75	5.14	0.095	22.75	1.83	2.33	169.0	Clear

Sample ID	Date	Time	Analysis Requested	Sample Container	Preservative
ASH-MW02-072711	7/27/2011	12:10	8260B AP9 VOC	3-40ml VOAs	unpreserved
			7470A-7470 HG-6020 Metals	1 -250ml Plastic	HNO3
			9012A CN	1 -250ml Plastic	NAOH
			9034 Sulfide	2 -250ml Plastic	ZN Acetate / NAOH
			8151A HERB	2-1 liter amber glass	unpreserved
			8270C SVOC	2-1 liter amber glass	unpreserved
			8081/8082 PST/PCB	2-1 liter amber glass	unpreserved
			8290 AP9 PCDD/PCDF (SAC)	2-1 liter amber glass	unpreserved

Signature: Chris Terrell

Date: 08-10-2011



Groundwater Sample Collection Log

Project Name: Hercules Hattiesburg APIX Semi-annual GM
Project Number: 11073

Boring ID: MW-3
Site Location: Hattiesburg, MS

Start Date: 7/27/11 Finish Date: 7/27/11
Sample Technician: Chris Terrell
Purge/Sample Method: Low Flow/Low Stress with Peristaltic Pump
Well Diameter: 2"
T.O.C. Elev. AMSL 160.03
Total Depth of Well (ft) 18.00
Approximate Depth of Water Column
(h= TD of well - water level [TOC]): 10.39
Calculated Well Volume (V=6hd²)
(V = vol in gal; D = well diam. in ft): 1.70
Groundwater Elevation AMSL 152.42

Water Level Measurements		
Date	Time	B.T.O.C.
7/25/2011	11:56	7.61
7/27/2011	13:00	6.75
7/27/2011	13:15	7.02
7/27/2011	13:21	7.03

WELL DEVELOPMENT/PURGING DATA								
Date/Time	Cumulative Volume (gal)	pH	Specific Conductivity (mS/cm ^e)	Temperature (Celsius)	Turbidity (NTU)	D.O. (mg/l)	ORP (mv)	Comments
7/27/11 13:09	0.00	4.85	0.085	24.32	13.2	3.06	232.5	Slightly Turbid
13:14	0.25	4.61	0.074	24.57	19.1	2.21	246.0	Slightly Turbid
13:19	0.50	4.61	0.072	24.66	10.5	1.70	259.1	Clear
13:24	0.75	4.61	0.072	24.72	4.65	1.27	259.0	Clear
13:29	1.00	4.61	0.071	24.74	2.86	1.24	259.2	Clear
13:34	1.25	4.61	0.071	24.76	2.68	1.22	259.1	Clear

Sample Identification: ASH-MW03-072711

Weather Conditions During Sampling Clear, 90°F

Comments: Analysis for Appendix IX VOC's 8260b

Signature: Chris Terrell Date: 08-10-2011

GROUNDWATER SAMPLE CONTAINERS			
Date	Time	Sample Container	Preservative
7/27/2011	13:40	3-40ml VOAs	None



Groundwater Sample Collection Log

Project Name: Hercules Hattiesburg APIX Semi-annual GM
Project Number: 11073

Boring ID: MW-4
Site Location: Hattiesburg, Mississippi

Start Date: 7/27/11 Finish Date: 7/27/11
Sample Technician: Brent Eanes
Purge/Sample Method: Low Flow/Low Stress with Peristaltic Pump
Well Diameter: 2"
T.O.C. Elev. AMSL 159.75
Total Depth of Well (ft) 14.00
Approximate Depth of Water Column
(h= TD of well - water level [TOC]): 18.74
Calculated Well Volume (V=6hd²)
(V = vol in gal; D = well diam. in ft): 3.07
Groundwater Elevation AMSL 148.39

Water Level Measurements		
Date	Time	B.T.O.C.
7/25/2011	11:22	11.36
7/27/2011	11:59	10.93
7/27/2011	12:24	10.91
7/27/2011	12:40	10.96

WELL DEVELOPMENT/PURGING DATA								
Date/Time	Cumulative Volume (gal)	pH	Specific Conductivity (μS/cm ^c)	Temperature (Celsius)	Turbidity (NTU)	D.O. (mg/l)	ORP (mv)	Comments
7/27/11 12:25	0.50	6.21	437.3	26.80	22.3	1.49	NA	Turbid
12:32	0.90	6.18	425.6	25.70	7.15	1.59	NA	Clear
12:40	1.30	6.09	415.2	25.70	3.02	1.43	NA	Clear
12:43	1.50	6.07	413.7	25.50	2.88	1.39	NA	Clear
12:48	1.80	6.07	412.4	25.50	2.66	1.36	NA	Clear

Sample ID	Date	Time	Analysis Requested	Sample Container	Preservative
ASH-MW04-072711	7/27/2011	12:55	8260B AP9 VOC	3-40ml VOAs	unpreserved
			7470A-7470 HG-6020 Metals	1 -250ml Plastic	HNO3
			9012A CN	1 -250ml Plastic	NAOH
			9034 Sulfide	2 -250ml Plastic	ZN Acetate / NAOH
			8151A HERB	2-1 liter amber glass	unpreserved
			8270C SVOC	2-1 liter amber glass	unpreserved
			8081/8082 PST/PCB	2-1 liter amber glass	unpreserved
			8290 AP9 PCDD/PCDF (SAC)	2-1 liter amber glass	unpreserved

Signature: 

Date: 08-10-11



Groundwater Sample Collection Log

Project Name: Hercules Hattiesburg APIX Semi-annual GM
Project Number: 11073

Boring ID: MW-5
Site Location: Hattiesburg, MS

Start Date: 7/28/11 Finish Date: 7/28/11
Sample Technician: Chris Terrell
Purge/Sample Method: Low Flow/Low Stress with Peristaltic Pump
Well Diameter: 2"
T.O.C. Elev. AMSL 160.99
Total Depth of Well (ft) 18.50
Approximate Depth of Water Column
(h= TD of well - water level [TOC]): 9.95
Calculated Well Volume (V=6hd²)
(V = vol in gal; D = well diam. in ft): 1.62
Groundwater Elevation AMSL 152.44

Water Level Measurements		
Date	Time	B.T.O.C.
7/25/2011	11:48	8.55
7/28/2011	8:15	8.28
7/28/2011	8:31	9.15
7/28/2011	8:37	9.13

WELL DEVELOPMENT/PURGING DATA								
Date/Time	Cumulative Volume (gal)	pH	Specific Conductivity (mS/cm ²)	Temperature (Celsius)	Turbidity (NTU)	D.O. (mg/l)	ORP (mv)	Comments
7/28/11 8:25	0.00	6.71	0.635	25.78	44.6	1.04	-77.3	Turbid
8:30	0.25	6.71	0.635	26.06	22.6	0.49	-66.5	Turbid
8:35	0.50	6.73	0.661	26.73	18.2	0.44	-57.4	Slightly Turbid
8:42	0.75	6.72	0.674	27.14	18.0	0.35	-48.3	Slightly Turbid
8:47	1.00	6.73	0.680	27.20	17.0	0.33	-46.2	Slightly Turbid
8:53	1.25	6.73	0.682	27.28	10.7	0.36	-43.2	Slightly Turbid
8:58	1.50	6.73	0.682	27.33	8.30	0.33	-42.7	Clear

Sample Identification: ASH-MW05-072811

Weather Conditions During Sampling Clear, 83°F

Comments: _____

Analysis for Appendix IX VOC's 8260b

Signature: Chris Terrell Date: 08-10-2011

GROUNDWATER SAMPLE CONTAINERS			
Date	Time	Sample Container	Preservative
7/28/11 19:05	9:05	3-40ml VOAs	None

GROUNDWATER SAMPLE CONTAINERS			
Date	Time	Sample Container	Preservative
7/28/2011	8:05	3-40ml VOAs	None

Boring ID: MW-7

Site Location: Hattiesburg, MS.

Water Level Measurements		
Date	Time	B.T.O.C.
7/25/2011	12:32	15.12
7/28/2011	10:20	14.96
7/28/2011	10:28	15.01
7/28/2011	10:34	15.05
7/28/2011	10:39	15.06
7/28/2011	10:46	15.04

[illegible]

Signature: [Signature] Date: 08-10-11

GROUNDWATER SAMPLE CONTAINERS			
Date	Time	Sample Container	Preservative
7/28/2011	10:54	3-40ml VOAs	None

Groundwater Sample Collection Log

Project Name:	Hercules Hattiesburg APIX Semi-annual GM
Project Number:	11073

Boring ID: MW-8

Site Location: Hattiesburg, Mississippi

Start Date:	7/26/11	Finish Date:	7/26/11
Sample Technician:	Brent Eanes		
Purge/Sample Method:	Low Flow/Low Stress with Peristaltic Pump		
Well Diameter:	2"		
T.O.C. Elev. AMSL	179.99		
Total Depth of Well (ft)	18.50		
Approximate Depth of Water Column			
(h= TD of well - water level [TOC]):	2.90		
Calculated Well Volume (V=6hd ²)			
(V = vol in gal; D = well diam. in ft):	0.48		
Groundwater Elevation AMSL	164.39		

Water Level Measurements		
Date	Time	B.T.O.C.
7/25/2011	12:51	15.60
7/26/2011	8:12	0.66
7/26/2011	8:56	15.80
7/26/2011	9:24	15.87

WELL DEVELOPMENT/PURGING DATA								
Date/Time	Cumulative Volume (gal)	pH	Specific Conductivity (µS/cm ²)	Temperature (Celsius)	Turbidity (NTU)	D.O. (mg/l)	ORP (mv)	Comments
7/26/11 8:50	0.10	5.92	1029	25.60	*	0.76	NA	
8:53	0.25	5.96	1021	25.40	*	0.05	NA	
8:57	0.50	5.96	1005	25.40	*	*	NA	
9:03	0.75	5.94	972	25.50	*	*	NA	
9:19	2.00	5.94	929	25.40	*	*	NA	
9:24	2.25	5.94	927	25.40	*	*	NA	

* Waiting on replacement turbidity and D.O. meter due to rental not calibrating. Duplicate obtained.

* Waiting on replacement turbidity and D.O. meter due to rental not calibrating. Duplicate obtained.

Sample ID	Date	Time	Analysis Requested	Sample Container	Preservative
ASH-MW08-072611 ASH-DUP-072611	7/26/2011	9:25	8260B AP9 VOC	6-40ml VOAs	unpreserved
			7470A-7470 IIG-6020 Metals	2 -250ml Plastic	HNO3
			9012A CN	2 -250ml Plastic	NAOH
			9034 Sulfide	4 -250ml Plastic	ZN Acetate / NAOH
			8151A HERB	4-1 liter amber glass	unpreserved
			8270C SVOC	4-1 liter amber glass	unpreserved
			8081/8082 PST/PCB	4-1 liter amber glass	unpreserved
			8290 AP9 PCDD/PCDF (SAC)	4-1 liter amber glass	unpreserved

Signature:

Date: 08-10-11



Groundwater Sample Collection Log

Project Name:	<u>Hercules Hattiesburg APIX Semi-annual GM</u>
Project Number:	11073

Boring ID: MW-9

Site Location: Hattiesburg, MS.

Start Date:	7/28/11	Finish Date:	7/28/11
Sample Technician:	Brent Eanes		
Purge/Sample Method:	Low Flow/Low Stress with Peristaltic Pump		
Well Diameter:	2"		
T.O.C. Elev. AMSL	181.97		
Total Depth of Well (ft)	20.00		
Approximate Depth of Water Column			
(h= TD of well - water level [TOC]):	6.91		
Calculated Well Volume ($V=6hd^2$)			
(V = vol in gal; D = well diam. in ft):	1.13		
Groundwater Elevation AMSL	168.88		

Water Level Measurements		
Date	Time	B.T.O.C.
7/25/2011	12:57	13.09
7/28/2011	9:10	12.84
7/28/2011	9:19	12.89
7/28/2011	9:28	12.90
7/28/2011	9:33	12.90
7/28/2011	9:38	12.90
7/28/2011	9:52	12.90
7/28/2011	10:01	12.90

[illegible]

Sample Identification: ASH-MW09-072811 ; ASH-DUP-072811

Weather Conditions During Sampling Clear, 87°F

Comments:

Laboratory Analysis for Appendix IX VOC's 8260b

Signature: Date: 08-10-11

GROUNDWATER SAMPLE CONTAINERS			
Date	Time	Sample Container	Preservative
7/28/2011	10:10	3-40ml VOAs	None
Dup	10:10	3-40ml VOAs	None

Project Name:	Hercules Hattiesburg APIX Semi-annual GM
Project Number:	11073

Boring ID: MW-10

Site Location: Hattiesburg, MS

Start Date:	<u>7/27/11</u>	Finish Date:	<u>7/27/11</u>
Sample Technician:	<u>Brent Eanes</u>		
Purge/Sample Method:	<u>Low Flow/Low Stress with Peristaltic Pump</u>		
Well Diameter:	<u>2"</u>		
T.O.C. Elev. AMSL	<u>159.88</u>		
Total Depth of Well (ft)	<u>18.50</u>		
Approximate Depth of Water Column			
(h= TD of well - water level [TOC]):	<u>7.11</u>		
Calculated Well Volume (V=6hd ²)			
(V = vol in gal; D = well diam. in ft):	<u>1.16</u>		
Groundwater Elevation AMSL	<u>148.49</u>		

Water Level Measurements		
Date	Time	B.T.O.C.
7/25/2011	11:15	11.39
7/27/2011	14:02	10.64
7/27/2011	14:08	10.81
7/27/2011	14:15	10.84
7/27/2011	14:30	10.90
7/27/2011	14:34	10.91

[illegible]

Sample Identification: ASH-MW10-072711

Weather Conditions During Sampling Clear, 93°F

Comments:

~~Analysis for Appendix IX VOC's 8260b~~

Signature: [Signature] Date: 08-10-11

GROUNDWATER SAMPLE CONTAINERS			
Date	Time	Sample Container	Preservative
7/27/2011	14:40	3-40ml VOAs	None



Groundwater Sample Collection Log

Project Name:	Hercules Hattiesburg APIX Semi-annual GM
Project Number:	11073

Boring ID: MW-11
Site Location: Hattiesburg, MS

Start Date:	7/27/11	Finish Date:	7/27/11
Sample Technician:	Chris Terrell		
Purge/Sample Method:	Low Flow/Low Stress with Peristaltic Pump		
Well Diameter:	2"		
T.O.C. Elev. AMSL	157.18		
Total Depth of Well (ft)	17.00		
Approximate Depth of Water Column (h= TD of well - water level [TOC]):	8.41		
Calculated Well Volume ($V=6hd^2$) (V = vol in gal; D = well diam. in ft):	1.37		
Groundwater Elevation AMSL	148.59		

Water Level Measurements		
Date	Time	B.T.O.C.
7/25/2011	11:25	8.59
7/27/2011	14:00	8.14
7/27/2011	14:30	8.28
7/27/2011	14:35	8.28

[illegible]

Sample Identification: ASH-MW11-072711, ASH-DUP-072711

Weather Conditions During Sampling Clear, 91°F

Comments: Duplicate obtained.

Analysis for Appendix IX VQC's 8260b

Signature: M. J. Harell Date: 08-10-2011

GROUNDWATER SAMPLE CONTAINERS			
Date	Time	Sample Container	Preservative
7/27/2011	14:55	3-40ml VOAs	None
DUP	14:55	3-40ml VOAs	None



Groundwater Sample Collection Log

Project Name: Hercules Hattiesburg APIX Semi-annual GM
Project Number: 11073

Boring ID: MW-12
Site Location: Hattiesburg, Mississippi

Start Date: 7/27/11 Finish Date: 7/27/11
Sample Technician: Brent Eanes
Purge/Sample Method: Low Flow/Low Stress with Peristaltic Pump
Well Diameter: 2"
T.O.C. Elev. AMSL 162.17
Total Depth of Well (ft) 14.00
Approximate Depth of Water Column
(h= TD of well - water level [TOC]): 12.00
Calculated Well Volume (V=6hd²)
(V = vol in gal; D = well diam. in ft): 1.97
Groundwater Elevation AMSL 153.22

Water Level Measurements		
Date	Time	B.T.O.C.
7/25/2011	11:50	8.95
7/27/2011	9:46	8.20
7/27/2011	9:55	8.62
7/27/2011	10:00	8.80
7/27/2011	10:05	9.00
7/27/2011	10:10	9.11
7/27/2011	10:26	9.41
7/27/2011	10:51	9.90
7/27/2011	11:15	10.20

WELL DEVELOPMENT/PURGING DATA								
Date/Time	Cumulative Volume (gal)	pH	Specific Conductivity (µS/cm ^c)	Temperature (Celsius)	Turbidity (NTU)	D.O. (mg/l)	ORP (mv)	Comments
7/27/11 9:52	0.10	6.46	110.2	27.3	*	1.68	NA	Turbid
9:55	0.20	5.17	105.9	27.5	*	1.49	NA	Slightly Turbid
9:58	0.30	5.01	101.8	27.5	*	1.17	NA	Clear
10:01	0.40	4.80	102.6	27.6	*	0.94	NA	Clear
10:08	0.70	4.76	106.0	27.8	*	0.88	NA	Clear
10:11	0.80	4.75	106.0	27.8	*	0.87	NA	Clear
* Waiting on replacement turbidity and D.O. meter due to rental not calibrating.								
Note: Water levels were obtained after sampling began to monitor how much well draws down. Well history of drying up.								

Sample ID	Date	Time	Analysis Requested	Sample Container	Preservative
ASH-MW12-072711	7/27/2011	10:14	8260B AP9 VOC	3-40ml VOAs	unpreserved
			7470A-7470 HG-6020 Metals	1 -250ml Plastic	HNO3
			9012A CN	1 -250ml Plastic	NAOH
			9034 Sulfide	2 -250ml Plastic	ZN Acetate / NAOH
			8151A HERB	2-1 liter amber glass	unpreserved
			8270C SVOC	2-1 liter amber glass	unpreserved
			8081/8082 PST/PCB	2-1 liter amber glass	unpreserved
			8290 AP9 PCDD/PCDF (SAC)	2-1 liter amber glass	unpreserved

Signature:

Date: 08-10-11



Groundwater Sample Collection Log

Project Name: Hercules Hattiesburg APIX Semi-annual GM
Project Number: 11073

Boring ID: MW-13
Site Location: Hattiesburg, Mississippi

Start Date: 7/26/11 Finish Date: 7/26/11
Sample Technician: Chris Terrell
Purge/Sample Method: Low Flow/Low Stress with Peristaltic Pump
Well Diameter: 2"
T.O.C. Elev. AMSL 175.23
Total Depth of Well (ft) 18.50
Approximate Depth of Water Column
(h= TD of well - water level [TOC]): 8.66
Calculated Well Volume (V=6hd²)
(V = vol in gal; D = well diam. in ft): 1.42
Groundwater Elevation AMSL 165.39

Water Level Measurements		
Date	Time	B.T.O.C.
7/25/2011	12:39	9.84
7/26/2011	8:30	9.39
7/26/2011	8:42	9.45
7/26/2011	8:53	9.47
7/26/2011	9:10	9.51

WELL DEVELOPMENT/PURGING DATA

Date/Time	Cumulative Volume (gal)	pH	Specific Conductivity (mS/cm ⁶)	Temperature (Celsius)	Turbidity (NTU)	D.O. (mg/l)	ORP (mv)	Comments
7/26/11 8:36	0.00	5.10	0.203	22.89	*	2.16	-84.3	Clear
8:41	0.25	5.08	0.203	22.75	*	1.20	-81.2	Clear
8:46	0.50	5.08	0.198	22.72	*	0.78	-99.5	Clear
8:52	0.75	5.07	0.193	22.75	*	0.60	-115.1	Clear
8:57	1.00	5.07	0.191	22.86	*	0.55	-112.1	Clear
9:03	1.25	5.07	0.191	22.87	*	0.57	-120.6	Clear
9:08	1.50	5.08	0.191	22.89	*	0.56	-118.8	Clear

* Waiting on replacement turbidity meter due to rental not calibrating.

Sample ID	Date	Time	Analysis Requested	Sample Container	Preservative
ASH-MW13-072611 ASH-RS1-072611	7/26/2011	9:20	8260B AP9 VOC	6-40ml VOAs	unpreserved
			7470A-7470 HG-6020 Metals	2 -250ml Plastic	HNO3
			9012A CN	2 -250ml Plastic	NAOH
			9034 Sulfide	4 -250ml Plastic	ZN Acetate / NAOH
		8:57	8151A HERB	4-1 liter amber glass	unpreserved
			8270C SVOC	4-1 liter amber glass	unpreserved
			8081/8082 PST/PCB	4-1 liter amber glass	unpreserved
			8290 AP9 PCDD/PCDF (SAC)	4-1 liter amber glass	unpreserved

Signature: Chris Terrell

Date: 08-10-2011



Groundwater Sample Collection Log

Project Name: Hercules Hattiesburg APIX Semi-annual GM
Project Number: 11073

Boring ID: MW-14
Site Location: Hattiesburg, MS.

Start Date: 7/28/11 Finish Date: 7/28/11
Sample Technician: Chris Terrell
Purge/Sample Method: Low Flow/Low Stress with Peristaltic Pump
Well Diameter: 2"
T.O.C. Elev. AMSL 169.23
Total Depth of Well (ft) 24.30
Approximate Depth of Water Column
(h = TD of well - water level [TOC]): 9.25
Calculated Well Volume (V = 6hd²)
(V = vol in gal; D = well diam. in ft): 1.51
Groundwater Elevation AMSL 154.18

Water Level Measurements		
Date	Time	B.T.O.C.
7/25/2011	12:48	15.05
7/28/2011	9:15	14.85
7/28/2011	9:37	15.70
7/28/2011	9:52	16.52
7/28/2011	9:58	16.48

WELL DEVELOPMENT/PURGING DATA								
Date/Time	Cumulative Volume (gal)	pH	Specific Conductivity (mS/cm ²)	Temperature (Celsius)	Turbidity (NTU)	D.O. (mg/l)	ORP (mv)	Comments
7/28/11 9:36	0.00	6.32	0.882	24.56	171	10.66	-52.3	Turbid
9:42	0.25	6.25	0.879	24.26	43.1	5.23	-51.1	Turbid
9:47	0.50	6.26	0.877	24.36	57.9	1.99	-51.9	Turbid
9:57	0.75	6.28	0.869	24.13	39.9	5.21	-55.3	Turbid
10:02	1.00	6.28	0.870	24.12	30.1	4.31	-40.5	Turbid
10:08	1.25	6.27	0.871	24.17	15.8	3.33	-31.6	Slightly Turbid
10:18	1.50	6.27	0.871	24.23	13.7	2.31	-29.2	Slightly Turbid
10:28	1.75	6.28	0.871	24.57	10.1	1.86	-29.9	Clear
10:38	2.00	6.28	0.872	24.75	7.65	1.72	-30.0	Clear

Sample Identification: ASH-MW14-072811, ASH-MW14-072811-MS,
ASH-MW14-072811-MSD

Weather Conditions During Sampling Clear, 90°F

Comments: Usual effervescence in sample. Sheen observed in bucket.

Laboratory Analysis for Appendix IX VOC's 8260b

Signature: Chris Terrell Date: 08-10-2011

GROUNDWATER SAMPLE CONTAINERS			
Date	Time	Sample Container	Preservative
7/28/2011	10:45	3-40ml VOAs	None
MS	10:45	3-40ml VOAs	None
MSD	10:45	3-40ml VOAs	None



Groundwater Sample Collection Log

Project Name: Hercules Hattiesburg APIX Semi-annual GM
Project Number: 11073

Boring ID: MW-15
Site Location: Hattiesburg, MS.

Start Date:	7/28/11	Finish Date:	7/28/11
Sample Technician:	Brent Eanes		
Purge/Sample Method:	Low Flow/Low Stress with Peristaltic Pump		
Well Diameter:	2"		
T.O.C. Elev. AMSL	172.21		
Total Depth of Well (ft)	26.50		
Approximate Depth of Water Column			
(h= TD of well - water level [TOC]):	6.45		
Calculated Well Volume ($V=6hd^2$)			
(V = vol in gal; D = well diam. in ft):	1.05		
Groundwater Elevation AMSL	152.16		

Water Level Measurements		
Date	Time	B.T.O.C.
7/25/2011	12:44	20.05
7/28/2011	7:30	19.47
7/28/2011	7:38	20.58
7/28/2011	7:42	20.35
7/28/2011	7:50	20.37
7/28/2011	7:55	20.38

[illegible]

Sample Identification: ASH-MW15-072811

Weather Conditions During Sampling Clear, 78°F

Comments: Effervescence in VOAs as usual. Sheen in purge water.

Laboratory Analysis for Appendix IX VOC's 8260b

Signature: [Signature] Date: 08-10-11

GROUNDWATER SAMPLE CONTAINERS			
Date	Time	Sample Container	Preservative
7/28/2011	8:03	3-40ml VOAs	None



Groundwater Sample Collection Log

Project Name:	<u>Hercules Hattiesburg APIX Semi-annual GM</u>
Project Number:	11073

Boring ID: MW-16

Site Location: Hattiesburg, MS.

Start Date:	7/28/11	Finish Date:	7/28/11
Sample Technician:	Brent Eanes		
Purge/Sample Method:	Low Flow/Low Stress with Peristaltic Pump		
Well Diameter:	2"		
T.O.C. Elev. AMSL	175.62		
Total Depth of Well (ft)	28.50		
Approximate Depth of Water Column			
(h= TD of well - water level [TOC]):	10.87		
Calculated Well Volume ($V=6hd^2$)			
(V = vol in gal; D = well diam. in ft):	1.77		
Groundwater Elevation AMSL	157.99		

Water Level Measurements		
Date	Time	B.T.O.C.
7/25/2011	12:42	17.63
7/28/2011	8:27	17.67
7/28/2011	8:31	17.69
7/28/2011	8:36	17.68
7/28/2011	8:41	17.69
7/28/2011	8:46	17.69

[illegible]

Sample Identification: ASH-MW16-072811

Weather Conditions During Sampling Clear, 83°F

Comments: Effervescence in tubing and VOAs as usual. Sheen in purge water.

Laboratory Analysis for Appendix IX VOC's 8260b

Signature:  Date: 08-10-11

GROUNDWATER SAMPLE CONTAINERS			
Date	Time	Sample Container	Preservative
7/28/2011	8:53	3-40ml VOAs	None



Groundwater Sample Collection Log

Project Name: Hercules Hattiesburg APIX Semi-annual GM
Project Number: 11073

Boring ID: MW-17
Site Location: Hattiesburg, Mississippi

Start Date: 7/26/11 Finish Date: 7/26/11
Sample Technician: Chris Terrell
Purge/Sample Method: Low Flow/Low Stress with Peristaltic Pump
Well Diameter: 2"
T.O.C. Elev. AMSL 186.13
Total Depth of Well (ft) 22.70
Approximate Depth of Water Column
(h= TD of well - water level [TOC]): 3.90
Calculated Well Volume (V=6hd³)
(V = vol in gal; D = well diam. in ft): 0.64
Groundwater Elevation AMSL 167.33

Water Level Measurements		
Date	Time	B.T.O.C.
7/25/2011	12:59	18.80
7/26/2011	10:50	18.80
7/26/2011	11:08	18.89
7/26/2011	11:19	18.89

WELL DEVELOPMENT/PURGING DATA								
Date/Time	Cumulative Volume (gal)	pH	Specific Conductivity (mS/cm)	Temperature (Celsius)	Turbidity (NTU)	D.O. (mg/l)	ORP (mv)	Comments
7/26/11 10:56	0.00	6.01	0.794	25.50	*	2.23	-96.4	Clear
11:01	0.25	6.00	0.841	24.90	*	2.02	-110.8	Clear
11:06	0.50	6.00	0.905	24.35	*	3.39	-120.6	Clear
11:11	0.75	5.99	0.940	24.21	*	4.73	-86.1	Clear
11:17	1.00	6.00	0.958	24.55	*	5.82	-99.8	Clear
11:22	1.25	6.00	0.988	24.51	*	6.64	-116.1	Clear
11:27	1.50	6.01	0.998	24.61	*	6.80	-110.2	Clear
11:32	1.75	6.01	1.016	24.65	*	7.12	-105.2	Clear
11:37	2.00	6.01	1.017	24.59	*	7.19	-107.4	Slight odor

* Waiting on replacement turbidity meter due to rental not calibrating.

Sample ID	Date	Time	Analysis Requested	Sample Container	Preservative
ASH-MW17-072611	7/26/2011	11:45	8260B AP9 VOC	3-40ml VOAs	unpreserved
			7470A-7470 HG-6020 Metals	1 -250ml Plastic	HNO3
			9012A CN	1 -250ml Plastic	NAOH
			9034 Sulfide	2 -250ml Plastic	ZN Acetate / NAOH
			8151A HERB	2-1 liter amber glass	unpreserved
			8270C SVOC	2-1 liter amber glass	unpreserved
			8081/8082 PST/PCB	2-1 liter amber glass	unpreserved
			8290 AP9 PCDD/PCDF (SAC)	2-1 liter amber glass	unpreserved

Signature: Chris Terrell

Date: 08-10-2011



Groundwater Sample Collection Log

Project Name: Hercules Hattiesburg APIX Semi-annual GM
Project Number: 11073

Boring ID: MW-18
Site Location: Hattiesburg, MS

Start Date:	7/27/11	Finish Date:	7/27/11
Sample Technician:	Brent Eanes		
Purge/Sample Method:	Low Flow/Low Stress with Peristaltic Pump		
Well Diameter:	2"		
T.O.C. Elev. AMSL	165.31		
Total Depth of Well (ft)	17.30		
Approximate Depth of Water Column (h= TD of well - water level [TOC]):	11.27		
Calculated Well Volume ($V=6hd^2$) (V = vol in gal; D = well diam. in ft):	1.84		
Groundwater Elevation AMSL	159.28		

Water Level Measurements		
Date	Time	B.T.O.C.
7/25/2011	11:59	6.03
7/27/2011	8:45	5.18
7/27/2011	8:55	5.90
7/27/2011	9:06	5.90
7/27/2011	9:10	5.90

[illegible]

* Waiting on replacement turbidity and D.O. meter due to rental not calibrating.

Sample Identification: ASH-MW18-072711

Weather Conditions During Sampling Clear, 83°F

Comments:

Analysis for Appendix IX VOC's 8260b

Signature: [Signature] Date: 08-10-11

GROUNDWATER SAMPLE CONTAINERS			
Date	Time	Sample Container	Preservative
7/27/2011	9:23	3-40ml VOAs	None



Groundwater Sample Collection Log

Project Name: Hercules Hattiesburg APIX Semi-annual GM
Project Number: 11073

Boring ID: MW-19
Site Location: Hattiesburg, Mississippi

Start Date: 7/26/11 Finish Date: 7/26/11
Sample Technician: Chris Terrell
Purge/Sample Method: Low Flow/Low Stress with Peristaltic Pump
Well Diameter: 2"
T.O.C. Elev. AMSL 172.25
Total Depth of Well (ft) 21.10
Approximate Depth of Water Column
(h= TD of well - water level [TOC]): 21.10
Calculated Well Volume (V=6hd²)
(V = vol in gal; D = well diam. in ft): 3.46
Groundwater Elevation AMSL 160.66

Water Level Measurements		
Date	Time	B.T.O.C.
7/25/2011	12:16	11.59
7/26/2011	13:20	11.59
7/26/2011	13:35	11.65
7/26/2011	13:50	11.68

WELL DEVELOPMENT/PURGING DATA								
Date/Time	Cumulative Volume (gal)	pH	Specific Conductivity (mS/cm ^o)	Temperature (Celsius)	Turbidity (NTU)	D.O. (mg/l)	ORP (mv)	Comments
7/26/11 13:26	0.00	6.15	0.416	26.04	*	9.64	-85.1	
13:31	0.25	6.14	0.404	25.91	*	4.39	-83.0	
13:36	0.50	6.15	0.403	25.72	*	2.99	-74.9	
13:41	0.75	6.16	0.401	25.77	*	1.84	-75.9	
13:47	1.00	6.17	0.399	25.59	*	1.35	-75.6	
13:52	1.25	6.18	0.398	25.56	*	1.30	-75.7	
13:57	1.50	6.18	0.396	25.62	*	1.07	-66.8	
14:02	1.75	6.19	0.395	25.68	*	1.06	-62.4	

* Waiting on replacement turbidity meter due to rental not calibrating.

Sample ID	Date	Time	Analysis Requested	Sample Container	Preservative
ASH-MW19-072611	7/26/2011	14:20	8260B AP9 VOC	3-40ml VOAs	unpreserved
			7470A-7470 HG-6020 Metals	1 -250ml Plastic	HNO3
			9012A CN	1 -250ml Plastic	NAOH
			9034 Sulfide	2 -250ml Plastic	ZN Acetate / NAOH
			8151A HERB	2-1 liter amber glass	unpreserved
			8270C SVOC	2-1 liter amber glass	unpreserved
			8081/8082 PST/PCB	2-1 liter amber glass	unpreserved
			8290 AP9 PCDD/PCDF (SAC)	2-1 liter amber glass	unpreserved

Signature: Chris Terrell

Date: 08-10-2011



Groundwater Sample Collection Log

Project Name: Hercules Hattiesburg APIX Semi-annual GM
Project Number: 11073

Boring ID: MW-20
Site Location: Hattiesburg, Mississippi

Start Date: 7/27/11 Finish Date: 7/27/11
Sample Technician: Chris Terrell
Purge/Sample Method: Low Flow/Low Stress with Peristaltic Pump
Well Diameter: 2"
T.O.C. Elev. AMSL 168.62
Total Depth of Well (ft) 14.00
Approximate Depth of Water Column
(h= TD of well - water level [TOC]): 7.43
Calculated Well Volume (V=6hd²)
(V = vol in gal; D = well diam. in ft): 1.22
Groundwater Elevation AMSL 162.05

Water Level Measurements		
Date	Time	B.T.O.C.
7/25/2011	12:03	6.57
7/27/2011	9:22	6.31
7/27/2011	9:25	6.35
7/27/2011	9:46	6.35

WELL DEVELOPMENT/PURGING DATA								
Date/Time	Cumulative Volume (gal)	pH	Specific Conductivity (mS/cm ^o)	Temperature (Celsius)	Turbidity (NTU)	D.O. (mg/l)	ORP (mv)	Comments
7/27/11 9:25	0.00	6.11	0.442	27.03	*	7.19	-56.4	
9:30	0.25	6.09	0.441	26.73	*	2.64	-50.8	
9:35	0.50	6.08	0.441	26.73	*	1.72	-43.2	
9:40	0.75	6.07	0.440	26.78	*	1.04	-42.8	
9:45	1.00	6.07	0.438	26.83	*	0.90	-50.1	
9:50	1.25	6.07	0.437	26.78	*	0.76	-51.6	
9:55	1.50	6.06	0.436	26.82	*	0.80	-52.1	

* Waiting on replacement turbidity meter due to rental not calibrating.

Sample Identification: ASH-MW20-072711
Weather Conditions During Sampling Clear, 85°F
Comments: Slight sheen present in purge water.
Signature: Chris Terrell Date: 08-10-2011

GROUNDWATER SAMPLE CONTAINERS			
Date	Time	Sample Container	Preservative
7/27/2011	10:00	3-40ml VOAs	None



Groundwater Sample Collection Log

Project Name:	Hercules Hattiesburg APIX Semi-annual GM
Project Number:	11073

Boring ID:	MW-21
Site Location:	Hattiesburg, Mississippi

Start Date:	7/26/11	Finish Date:	7/26/11
Sample Technician:	Brent Eanes		
Purge/Sample Method:	Low Flow/Low Stress with Peristaltic Pump		
Well Diameter:	2"		
T.O.C. Elev. AMSL	163.66		
Total Depth of Well (ft)	16.00		
Approximate Depth of Water Column			
(h= TD of well - water level [TOC]):	13.07		
Calculated Well Volume ($V=6hd^2$)			
(V = vol in gal; D = well diam. in ft):	2.14		
Groundwater Elevation AMSL	160.73		

Water Level Measurements		
Date	Time	B.T.O.C.
7/25/2011	12:05	2.93
7/26/2011	14:29	2.67
7/26/2011	14:38	2.89
7/26/2011	14:45	2.88

WELL DEVELOPMENT/PURGING DATA								
Date/Time	Cumulative Volume (gal)	pH	Specific Conductivity ($\mu\text{S}/\text{cm}^\circ$)	Temperature (Celsius)	Turbidity (NTU)	D.O. (mg/l)	ORP (mv)	Comments
7/26/11 14:37	0.10	5.47	1863	28.6	*	1.47	NA	
14:40	0.25	5.41	1791	28.2	*	0.81	NA	
14:45	0.50	5.25	1346	27.8	*	0.20	NA	
14:50	0.75	5.14	1109	27.8	*	0.08	NA	
14:55	1.00	5.14	1048	27.8	*	0.08	NA	
15:00	1.25	5.14	1026	27.7	*	0.07	NA	Strong Odor

* Waiting on replacement turbidity and D.O. meter due to rental not calibrating. D.O functioning incorrecly. Rental Arranged (Pine).

Sample Identification: ASH-MW21-072611

Weather Conditions During Sampling Clear, 91°F

Comments: Sheen present in purge water

Signature: [Signature] Date: 08-10-11

GROUNDWATER SAMPLE CONTAINERS			
Date	Time	Sample Container	Preservative
7/26/2011	15:03	3-40ml VOAs	None



Groundwater Sample Collection Log

Project Name:	Hercules Hattiesburg APIX Semi-annual GM
Project Number:	11073

Boring ID: MW-22

Site Location: Hattiesburg, Mississippi

Start Date:	7/22/11	Finish Date:	7/22/11
Sample Technician:	Chris Terrell		
Purge/Sample Method:	Low Flow/Low Stress with Peristaltic Pump		
Well Diameter:	2"		
T.O.C. Elev. AMSL	167.62		
Total Depth of Well (ft)	15.00		
Approximate Depth of Water Column			
(h= TD of well - water level [TOC]):	8.29		
Calculated Well Volume (V=6hd ²)			
(V = vol in gal; D = well diam. in ft):	1.36		
Groundwater Elevation AMSL	160.91		

Water Level Measurements		
Date	Time	B.T.O.C.
7/25/2011	12:07	6.71
7/27/2011	8:15	6.51
7/27/2011	8:23	7.28
7/27/2011	8:32	7.25
7/27/2011	8:42	7.25

WELL DEVELOPMENT/PURGING DATA								
Date/Time	Cumulative Volume (gal)	pH	Specific Conductivity (mS/cm ^e)	Temperature (Celsius)	Turbidity (NTU)	D.O. (mg/l)	ORP (mv)	Comments
7/27/11 8:16	0.00	6.28	0.472	26.88	*	2.07	-77.9	
8:21	0.25	6.25	0.460	27.14	*	1.26	-65.0	
8:26	0.50	6.21	0.447	27.50	*	1.04	-87.4	
8:31	0.75	6.25	0.465	27.77	*	0.69	-83.6	
8:36	1.00	6.31	0.495	27.88	*	0.59	-89.3	
8:41	1.25	6.34	0.519	27.92	*	0.51	-83.2	
8:46	1.50	6.37	0.522	27.96	*	0.45	-77.4	
8:51	1.75	6.37	0.528	27.98	*	0.45	-76.5	

* Waiting on replacement turbidity meter due to rental not calibrating.

Sample Identification: ASH-MW22-072711, ASH-MW22-072711-MS
ASH-MW22-072711-MSD

Weather Conditions During Sampling Clear, 78°F

Comments:

Signature: [Signature] Date: 08-10-2011

GROUNDWATER SAMPLE CONTAINERS			
Date	Time	Sample Container	Preservative
7/27/2011	8:55	3-40ml VOAs	None
MS	8:55	3-40ml VOAs	None
MSD	8:55	3-40ml VOAs	None



Groundwater Sample Collection Log

Project Name: Hercules Hattiesburg APIX Semi-annual GM
Project Number: 11073

Boring ID: MW-23
Site Location: Hattiesburg, Mississippi

Start Date: 7/26/11 Finish Date: 7/26/11
Sample Technician: Brent Eanes
Purge/Sample Method: Low Flow/Low Stress with Peristaltic Pump
Well Diameter: 2"
T.O.C. Elev. AMSL: 162.38
Total Depth of Well (ft): 14.00
Approximate Depth of Water Column
(h= TD of well - water level [TOC]): 10.20
Calculated Well Volume (V=6hd²)
(V = vol in gal; D = well diam. in ft): 1.67
Groundwater Elevation AMSL: 158.58

Water Level Measurements		
Date	Time	B.T.O.C.
7/25/2011	12:09	3.80
7/26/2011	12:01	3.68
7/26/2011	12:20	4.18
7/26/2011	12:28	4.13
7/26/2011	12:38	4.13
7/26/2011	12:45	4.13

WELL DEVELOPMENT/PURGING DATA								
Date/Time	Cumulative Volume (gal)	pH	Specific Conductivity (µS/cm ^o)	Temperature (Celsius)	Turbidity (NTU)	D.O. (mg/l)	ORP (mv)	Comments
7/26/11 12:14	0.25	5.82	740	29.9	*	1.53	NA	
12:21	0.50	5.60	884	29.6	*	0.34	NA	
12:25	0.75	5.54	970	29.6	*	0.34	NA	
12:32	1.10	5.42	1111	29.6	*	0.35	NA	
12:36	1.35	5.38	1169	29.7	*	0.32	NA	
12:41	1.60	5.30	1239	29.9	*	0.30	NA	
12:45	1.85	5.30	1261	29.9	*	0.31	NA	
12:50	2.10	5.24	1341	29.7	*	0.32	NA	Strong Odor
								Sheen

Split VOC samples only with Mr. Willie McKercher of MDEQ on this one well. Expected effervescence in VOAS.

* Waiting on replacement turbidity and D.O. meter due to rental not calibrating. D.O. functioning incorrecetly. Rental Arranged (Pine).

Sample ID	Date	Time	Analysis Requested	Sample Container	Preservative
ASH-MW23-072611	7/26/2011	12:51	8260B AP9 VOC	3-40ml VOAs	unpreserved
			7470A-7470 HG-6020 Metals	1 -250ml Plastic	HNO3
			9012A CN	1 -250ml Plastic	NAOH
			9034 Sulfide	2 -250ml Plastic	ZN Acetate / NAOH
			8151A HERB	2-1 liter amber glass	unpreserved
			8270C SVOC	2-1 liter amber glass	unpreserved
			8081/8082 PST/PCB	2-1 liter amber glass	unpreserved
			8290 AP9 PCDD/PCDF (SAC)	2-1 liter amber glass	unpreserved

Signature: 

Date: 08-10-11



Groundwater Sample Collection Log

Project Name: Hercules Hattiesburg APIX Semi-annual GM

Boring ID: MW-24

Project Number: 11073

Site Location: Hattiesburg, Mississippi

Start Date:	7/27/11	Finish Date:	7/27/11
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Sample Technician: Brent Eanes

Purge/Sample Method: Low Flow/Low Stress with Peristaltic Pump

Well Diameter: 2"

T.O.C. Elev. AMSL 164.98

Total Depth of Well (ft) 13.00

Approximate Depth of Water Column

(h= TD of well - water level [TOC]): 4,64

Calculated Well Volume ($V=6hd^2$)

(V = vol in gal; D = well diam. in ft): 0.76

Groundwater Elevation AMSL	156.62
----------------------------	--------

Water Level Measurements

Date	Time	B.T.O.C.
7/25/2011	12:11	8.36
7/27/2011	7:50	8.16
7/27/2011	7:56	8.65
7/27/2011	8:04	8.90
7/27/2011	8:12	9.03

WELL DEVELOPMENT/PURGING DATA

[illegible]

* Waiting on replacement turbidity and D.O. meter due to rental not calibrating. D.O functioning incorrecetly. Rental Arranged (Pine).

Sample Identification: ASH-MW24-072711

Weather Conditions During Sampling Clear, 73°F

Comments:

Signature: [Signature] Date: 08-10-11

GROUNDWATER SAMPLE CONTAINERS

Date	Time	Sample Container	Preservative
7/27/2011	8:20	3-40ml VOAs	None



Appendix B

Laboratory Analytical Results

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-70717-1

Client Project/Site: Hercules Hattiesburg APIX 7/25/11

For:

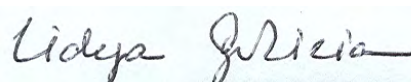
Ashland Inc.

Ashland Hercules Research Center

500 Hercules Rd Bldg 8139

Wilmington, Delaware 19808

Attn: Timothy Hassett



Authorized for release by:

08/16/2011 02:32:52 PM

Lidya Gulizia

Project Manager II

lidya.gulizia@testamericainc.com

cc: Craig Derouen

Chris Waters

Charlie Jordan

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Case Narrative

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Job ID: 680-70717-1

Laboratory: TestAmerica Savannah

Narrative

Job Narrative 680-70717-1

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for four analytes to recover outside criteria for this method when a full list spike is utilized. The LCS/LCSD associated with batch 210523 had two analytes outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: The trip blank associated with these samples contained a detection at 1/2 reporting limit (RL) for the following analyte: Acetone.

No other analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

Comments

No additional comments.

Sample Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70717-1

Project/Site: Hercules Hattiesburg APIX 7/25/11

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-70717-1	CM-05	Water	07/25/11 13:15	07/26/11 08:01
680-70717-2	CM-04	Water	07/25/11 13:20	07/26/11 08:01
680-70717-3	CM-03	Water	07/25/11 13:30	07/26/11 08:01
680-70717-4	CM-02	Water	07/25/11 13:53	07/26/11 08:01
680-70717-5	CM-01	Water	07/25/11 15:00	07/26/11 08:01
680-70717-6	CM-00	Water	07/25/11 15:08	07/26/11 08:01
680-70717-7	Rinsate 7.25.11	Water	07/25/11 15:35	07/26/11 08:01
680-70717-8	Trip Blank	Water	07/25/11 15:40	07/26/11 08:01

Method Summary

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV

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

Laboratory References:
TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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Definitions/Glossary

Client: Ashland Inc.

Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Detection Summary

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-05

Lab Sample ID: 680-70717-1

No Detections

Client Sample ID: CM-04

Lab Sample ID: 680-70717-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	7.6		1.0		ug/L	1			8260B	Total/NA
Vinyl chloride	3.2		1.0		ug/L	1			8260B	Total/NA

Client Sample ID: CM-03

Lab Sample ID: 680-70717-3

No Detections

Client Sample ID: CM-02

Lab Sample ID: 680-70717-4

No Detections

Client Sample ID: CM-01

Lab Sample ID: 680-70717-5

No Detections

Client Sample ID: CM-00

Lab Sample ID: 680-70717-6

No Detections

Client Sample ID: Rinsate 7.25.11

Lab Sample ID: 680-70717-7

No Detections

Client Sample ID: Trip Blank

Lab Sample ID: 680-70717-8

No Detections

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-05

Lab Sample ID: 680-70717-1

Date Collected: 07/25/11 13:15

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/29/11 15:38	1
Acetonitrile	<40		40		ug/L			07/29/11 15:38	1
Acrolein	<20		20		ug/L			07/29/11 15:38	1
Acrylonitrile	<20		20		ug/L			07/29/11 15:38	1
Benzene	<1.0		1.0		ug/L			07/29/11 15:38	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/11 15:38	1
Bromoform	<1.0	*	1.0		ug/L			07/29/11 15:38	1
Bromomethane	<1.0		1.0		ug/L			07/29/11 15:38	1
2-Butanone (MEK)	<10		10		ug/L			07/29/11 15:38	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/11 15:38	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/11 15:38	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/11 15:38	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/29/11 15:38	1
Chloroethane	<1.0		1.0		ug/L			07/29/11 15:38	1
Chloroform	<1.0		1.0		ug/L			07/29/11 15:38	1
Chloromethane	<1.0		1.0		ug/L			07/29/11 15:38	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/29/11 15:38	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/11 15:38	1
1,2-Dibromo-3-Chloropropane	<1.0	*	1.0		ug/L			07/29/11 15:38	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/29/11 15:38	1
Dibromomethane	<1.0		1.0		ug/L			07/29/11 15:38	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/29/11 15:38	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/29/11 15:38	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/11 15:38	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/11 15:38	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 15:38	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 15:38	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/11 15:38	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/11 15:38	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 15:38	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 15:38	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/11 15:38	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/29/11 15:38	1
2-Hexanone	<10		10		ug/L			07/29/11 15:38	1
Iodomethane	<5.0		5.0		ug/L			07/29/11 15:38	1
Isobutyl alcohol	<40		40		ug/L			07/29/11 15:38	1
Methacrylonitrile	<20		20		ug/L			07/29/11 15:38	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/11 15:38	1
Methyl methacrylate	<1.0		1.0		ug/L			07/29/11 15:38	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/11 15:38	1
Pentachloroethane	<5.0		5.0		ug/L			07/29/11 15:38	1
Propionitrile	<20		20		ug/L			07/29/11 15:38	1
Styrene	<1.0		1.0		ug/L			07/29/11 15:38	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 15:38	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 15:38	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/11 15:38	1
Toluene	<1.0		1.0		ug/L			07/29/11 15:38	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/11 15:38	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/11 15:38	1
Trichloroethene	<1.0		1.0		ug/L			07/29/11 15:38	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-05

Lab Sample ID: 680-70717-1

Date Collected: 07/25/11 13:15

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/29/11 15:38	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/29/11 15:38	1
Vinyl acetate	<2.0		2.0		ug/L			07/29/11 15:38	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/11 15:38	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/11 15:38	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		07/29/11 15:38	1
Dibromofluoromethane	107		70 - 130		07/29/11 15:38	1
Toluene-d8 (Surr)	99		70 - 130		07/29/11 15:38	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-04

Lab Sample ID: 680-70717-2

Date Collected: 07/25/11 13:20

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/29/11 16:07	1
Acetonitrile	<40		40		ug/L			07/29/11 16:07	1
Acrolein	<20		20		ug/L			07/29/11 16:07	1
Acrylonitrile	<20		20		ug/L			07/29/11 16:07	1
Benzene	<1.0		1.0		ug/L			07/29/11 16:07	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/11 16:07	1
Bromoform	<1.0	*	1.0		ug/L			07/29/11 16:07	1
Bromomethane	<1.0		1.0		ug/L			07/29/11 16:07	1
2-Butanone (MEK)	<10		10		ug/L			07/29/11 16:07	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/11 16:07	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/11 16:07	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/11 16:07	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/29/11 16:07	1
Chloroethane	<1.0		1.0		ug/L			07/29/11 16:07	1
Chloroform	<1.0		1.0		ug/L			07/29/11 16:07	1
Chloromethane	<1.0		1.0		ug/L			07/29/11 16:07	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/29/11 16:07	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/11 16:07	1
1,2-Dibromo-3-Chloropropane	<1.0	*	1.0		ug/L			07/29/11 16:07	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/29/11 16:07	1
Dibromomethane	<1.0		1.0		ug/L			07/29/11 16:07	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/29/11 16:07	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/29/11 16:07	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/11 16:07	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/11 16:07	1
cis-1,2-Dichloroethene	7.6		1.0		ug/L			07/29/11 16:07	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 16:07	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/11 16:07	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/11 16:07	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 16:07	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 16:07	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/11 16:07	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/29/11 16:07	1
2-Hexanone	<10		10		ug/L			07/29/11 16:07	1
Iodomethane	<5.0		5.0		ug/L			07/29/11 16:07	1
Isobutyl alcohol	<40		40		ug/L			07/29/11 16:07	1
Methacrylonitrile	<20		20		ug/L			07/29/11 16:07	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/11 16:07	1
Methyl methacrylate	<1.0		1.0		ug/L			07/29/11 16:07	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/11 16:07	1
Pentachloroethane	<5.0		5.0		ug/L			07/29/11 16:07	1
Propionitrile	<20		20		ug/L			07/29/11 16:07	1
Styrene	<1.0		1.0		ug/L			07/29/11 16:07	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 16:07	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 16:07	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/11 16:07	1
Toluene	<1.0		1.0		ug/L			07/29/11 16:07	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/11 16:07	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/11 16:07	1
Trichloroethene	<1.0		1.0		ug/L			07/29/11 16:07	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-04

Lab Sample ID: 680-70717-2

Date Collected: 07/25/11 13:20

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/29/11 16:07	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/29/11 16:07	1
Vinyl acetate	<2.0		2.0		ug/L			07/29/11 16:07	1
Vinyl chloride	3.2		1.0		ug/L			07/29/11 16:07	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/11 16:07	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		70 - 130		07/29/11 16:07	1
Dibromofluoromethane	106		70 - 130		07/29/11 16:07	1
Toluene-d8 (Surr)	100		70 - 130		07/29/11 16:07	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-03

Lab Sample ID: 680-70717-3

Date Collected: 07/25/11 13:30

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/29/11 16:37	1
Acetonitrile	<40		40		ug/L			07/29/11 16:37	1
Acrolein	<20		20		ug/L			07/29/11 16:37	1
Acrylonitrile	<20		20		ug/L			07/29/11 16:37	1
Benzene	<1.0		1.0		ug/L			07/29/11 16:37	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/11 16:37	1
Bromoform	<1.0	*	1.0		ug/L			07/29/11 16:37	1
Bromomethane	<1.0		1.0		ug/L			07/29/11 16:37	1
2-Butanone (MEK)	<10		10		ug/L			07/29/11 16:37	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/11 16:37	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/11 16:37	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/11 16:37	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/29/11 16:37	1
Chloroethane	<1.0		1.0		ug/L			07/29/11 16:37	1
Chloroform	<1.0		1.0		ug/L			07/29/11 16:37	1
Chloromethane	<1.0		1.0		ug/L			07/29/11 16:37	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/29/11 16:37	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/11 16:37	1
1,2-Dibromo-3-Chloropropane	<1.0	*	1.0		ug/L			07/29/11 16:37	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/29/11 16:37	1
Dibromomethane	<1.0		1.0		ug/L			07/29/11 16:37	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/29/11 16:37	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/29/11 16:37	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/11 16:37	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/11 16:37	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 16:37	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 16:37	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/11 16:37	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/11 16:37	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 16:37	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 16:37	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/11 16:37	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/29/11 16:37	1
2-Hexanone	<10		10		ug/L			07/29/11 16:37	1
Iodomethane	<5.0		5.0		ug/L			07/29/11 16:37	1
Isobutyl alcohol	<40		40		ug/L			07/29/11 16:37	1
Methacrylonitrile	<20		20		ug/L			07/29/11 16:37	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/11 16:37	1
Methyl methacrylate	<1.0		1.0		ug/L			07/29/11 16:37	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/11 16:37	1
Pentachloroethane	<5.0		5.0		ug/L			07/29/11 16:37	1
Propionitrile	<20		20		ug/L			07/29/11 16:37	1
Styrene	<1.0		1.0		ug/L			07/29/11 16:37	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 16:37	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 16:37	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/11 16:37	1
Toluene	<1.0		1.0		ug/L			07/29/11 16:37	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/11 16:37	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/11 16:37	1
Trichloroethene	<1.0		1.0		ug/L			07/29/11 16:37	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-03

Lab Sample ID: 680-70717-3

Date Collected: 07/25/11 13:30

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/29/11 16:37	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/29/11 16:37	1
Vinyl acetate	<2.0		2.0		ug/L			07/29/11 16:37	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/11 16:37	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/11 16:37	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		70 - 130		07/29/11 16:37	1
Dibromofluoromethane	103		70 - 130		07/29/11 16:37	1
Toluene-d8 (Surr)	96		70 - 130		07/29/11 16:37	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-02

Lab Sample ID: 680-70717-4

Date Collected: 07/25/11 13:53

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/29/11 17:06	1
Acetonitrile	<40		40		ug/L			07/29/11 17:06	1
Acrolein	<20		20		ug/L			07/29/11 17:06	1
Acrylonitrile	<20		20		ug/L			07/29/11 17:06	1
Benzene	<1.0		1.0		ug/L			07/29/11 17:06	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/11 17:06	1
Bromoform	<1.0	*	1.0		ug/L			07/29/11 17:06	1
Bromomethane	<1.0		1.0		ug/L			07/29/11 17:06	1
2-Butanone (MEK)	<10		10		ug/L			07/29/11 17:06	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/11 17:06	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/11 17:06	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/11 17:06	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/29/11 17:06	1
Chloroethane	<1.0		1.0		ug/L			07/29/11 17:06	1
Chloroform	<1.0		1.0		ug/L			07/29/11 17:06	1
Chloromethane	<1.0		1.0		ug/L			07/29/11 17:06	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/29/11 17:06	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/11 17:06	1
1,2-Dibromo-3-Chloropropane	<1.0	*	1.0		ug/L			07/29/11 17:06	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/29/11 17:06	1
Dibromomethane	<1.0		1.0		ug/L			07/29/11 17:06	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/29/11 17:06	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/29/11 17:06	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/11 17:06	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/11 17:06	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 17:06	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 17:06	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/11 17:06	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/11 17:06	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 17:06	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 17:06	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/11 17:06	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/29/11 17:06	1
2-Hexanone	<10		10		ug/L			07/29/11 17:06	1
Iodomethane	<5.0		5.0		ug/L			07/29/11 17:06	1
Isobutyl alcohol	<40		40		ug/L			07/29/11 17:06	1
Methacrylonitrile	<20		20		ug/L			07/29/11 17:06	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/11 17:06	1
Methyl methacrylate	<1.0		1.0		ug/L			07/29/11 17:06	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/11 17:06	1
Pentachloroethane	<5.0		5.0		ug/L			07/29/11 17:06	1
Propionitrile	<20		20		ug/L			07/29/11 17:06	1
Styrene	<1.0		1.0		ug/L			07/29/11 17:06	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 17:06	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 17:06	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/11 17:06	1
Toluene	<1.0		1.0		ug/L			07/29/11 17:06	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/11 17:06	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/11 17:06	1
Trichloroethene	<1.0		1.0		ug/L			07/29/11 17:06	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-02

Lab Sample ID: 680-70717-4

Date Collected: 07/25/11 13:53

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/29/11 17:06	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/29/11 17:06	1
Vinyl acetate	<2.0		2.0		ug/L			07/29/11 17:06	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/11 17:06	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/11 17:06	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		70 - 130		07/29/11 17:06	1
Dibromofluoromethane	105		70 - 130		07/29/11 17:06	1
Toluene-d8 (Surr)	99		70 - 130		07/29/11 17:06	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-01

Lab Sample ID: 680-70717-5

Date Collected: 07/25/11 15:00

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/29/11 17:36	1
Acetonitrile	<40		40		ug/L			07/29/11 17:36	1
Acrolein	<20		20		ug/L			07/29/11 17:36	1
Acrylonitrile	<20		20		ug/L			07/29/11 17:36	1
Benzene	<1.0		1.0		ug/L			07/29/11 17:36	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/11 17:36	1
Bromoform	<1.0	*	1.0		ug/L			07/29/11 17:36	1
Bromomethane	<1.0		1.0		ug/L			07/29/11 17:36	1
2-Butanone (MEK)	<10		10		ug/L			07/29/11 17:36	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/11 17:36	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/11 17:36	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/11 17:36	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/29/11 17:36	1
Chloroethane	<1.0		1.0		ug/L			07/29/11 17:36	1
Chloroform	<1.0		1.0		ug/L			07/29/11 17:36	1
Chloromethane	<1.0		1.0		ug/L			07/29/11 17:36	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/29/11 17:36	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/11 17:36	1
1,2-Dibromo-3-Chloropropane	<1.0	*	1.0		ug/L			07/29/11 17:36	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/29/11 17:36	1
Dibromomethane	<1.0		1.0		ug/L			07/29/11 17:36	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/29/11 17:36	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/29/11 17:36	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/11 17:36	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/11 17:36	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 17:36	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 17:36	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/11 17:36	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/11 17:36	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 17:36	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 17:36	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/11 17:36	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/29/11 17:36	1
2-Hexanone	<10		10		ug/L			07/29/11 17:36	1
Iodomethane	<5.0		5.0		ug/L			07/29/11 17:36	1
Isobutyl alcohol	<40		40		ug/L			07/29/11 17:36	1
Methacrylonitrile	<20		20		ug/L			07/29/11 17:36	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/11 17:36	1
Methyl methacrylate	<1.0		1.0		ug/L			07/29/11 17:36	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/11 17:36	1
Pentachloroethane	<5.0		5.0		ug/L			07/29/11 17:36	1
Propionitrile	<20		20		ug/L			07/29/11 17:36	1
Styrene	<1.0		1.0		ug/L			07/29/11 17:36	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 17:36	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 17:36	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/11 17:36	1
Toluene	<1.0		1.0		ug/L			07/29/11 17:36	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/11 17:36	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/11 17:36	1
Trichloroethene	<1.0		1.0		ug/L			07/29/11 17:36	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-01

Lab Sample ID: 680-70717-5

Date Collected: 07/25/11 15:00

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/29/11 17:36	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/29/11 17:36	1
Vinyl acetate	<2.0		2.0		ug/L			07/29/11 17:36	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/11 17:36	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/11 17:36	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		07/29/11 17:36	1
Dibromofluoromethane	103		70 - 130		07/29/11 17:36	1
Toluene-d8 (Surr)	101		70 - 130		07/29/11 17:36	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-00

Lab Sample ID: 680-70717-6

Date Collected: 07/25/11 15:08

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/29/11 18:05	1
Acetonitrile	<40		40		ug/L			07/29/11 18:05	1
Acrolein	<20		20		ug/L			07/29/11 18:05	1
Acrylonitrile	<20		20		ug/L			07/29/11 18:05	1
Benzene	<1.0		1.0		ug/L			07/29/11 18:05	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/11 18:05	1
Bromoform	<1.0	*	1.0		ug/L			07/29/11 18:05	1
Bromomethane	<1.0		1.0		ug/L			07/29/11 18:05	1
2-Butanone (MEK)	<10		10		ug/L			07/29/11 18:05	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/11 18:05	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/11 18:05	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/11 18:05	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/29/11 18:05	1
Chloroethane	<1.0		1.0		ug/L			07/29/11 18:05	1
Chloroform	<1.0		1.0		ug/L			07/29/11 18:05	1
Chloromethane	<1.0		1.0		ug/L			07/29/11 18:05	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/29/11 18:05	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/11 18:05	1
1,2-Dibromo-3-Chloropropane	<1.0	*	1.0		ug/L			07/29/11 18:05	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/29/11 18:05	1
Dibromomethane	<1.0		1.0		ug/L			07/29/11 18:05	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/29/11 18:05	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/29/11 18:05	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/11 18:05	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/11 18:05	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 18:05	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 18:05	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/11 18:05	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/11 18:05	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 18:05	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 18:05	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/11 18:05	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/29/11 18:05	1
2-Hexanone	<10		10		ug/L			07/29/11 18:05	1
Iodomethane	<5.0		5.0		ug/L			07/29/11 18:05	1
Isobutyl alcohol	<40		40		ug/L			07/29/11 18:05	1
Methacrylonitrile	<20		20		ug/L			07/29/11 18:05	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/11 18:05	1
Methyl methacrylate	<1.0		1.0		ug/L			07/29/11 18:05	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/11 18:05	1
Pentachloroethane	<5.0		5.0		ug/L			07/29/11 18:05	1
Propionitrile	<20		20		ug/L			07/29/11 18:05	1
Styrene	<1.0		1.0		ug/L			07/29/11 18:05	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 18:05	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 18:05	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/11 18:05	1
Toluene	<1.0		1.0		ug/L			07/29/11 18:05	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/11 18:05	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/11 18:05	1
Trichloroethene	<1.0		1.0		ug/L			07/29/11 18:05	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-00

Lab Sample ID: 680-70717-6

Date Collected: 07/25/11 15:08

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/29/11 18:05	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/29/11 18:05	1
Vinyl acetate	<2.0		2.0		ug/L			07/29/11 18:05	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/11 18:05	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/11 18:05	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		07/29/11 18:05	1
Dibromofluoromethane	104		70 - 130		07/29/11 18:05	1
Toluene-d8 (Surr)	101		70 - 130		07/29/11 18:05	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: Rinsate 7.25.11

Lab Sample ID: 680-70717-7

Date Collected: 07/25/11 15:35

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/29/11 18:35	1
Acetonitrile	<40		40		ug/L			07/29/11 18:35	1
Acrolein	<20		20		ug/L			07/29/11 18:35	1
Acrylonitrile	<20		20		ug/L			07/29/11 18:35	1
Benzene	<1.0		1.0		ug/L			07/29/11 18:35	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/11 18:35	1
Bromoform	<1.0	*	1.0		ug/L			07/29/11 18:35	1
Bromomethane	<1.0		1.0		ug/L			07/29/11 18:35	1
2-Butanone (MEK)	<10		10		ug/L			07/29/11 18:35	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/11 18:35	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/11 18:35	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/11 18:35	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/29/11 18:35	1
Chloroethane	<1.0		1.0		ug/L			07/29/11 18:35	1
Chloroform	<1.0		1.0		ug/L			07/29/11 18:35	1
Chloromethane	<1.0		1.0		ug/L			07/29/11 18:35	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/29/11 18:35	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/11 18:35	1
1,2-Dibromo-3-Chloropropane	<1.0	*	1.0		ug/L			07/29/11 18:35	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/29/11 18:35	1
Dibromomethane	<1.0		1.0		ug/L			07/29/11 18:35	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/29/11 18:35	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/29/11 18:35	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/11 18:35	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/11 18:35	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 18:35	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 18:35	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/11 18:35	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/11 18:35	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 18:35	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 18:35	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/11 18:35	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/29/11 18:35	1
2-Hexanone	<10		10		ug/L			07/29/11 18:35	1
Iodomethane	<5.0		5.0		ug/L			07/29/11 18:35	1
Isobutyl alcohol	<40		40		ug/L			07/29/11 18:35	1
Methacrylonitrile	<20		20		ug/L			07/29/11 18:35	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/11 18:35	1
Methyl methacrylate	<1.0		1.0		ug/L			07/29/11 18:35	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/11 18:35	1
Pentachloroethane	<5.0		5.0		ug/L			07/29/11 18:35	1
Propionitrile	<20		20		ug/L			07/29/11 18:35	1
Styrene	<1.0		1.0		ug/L			07/29/11 18:35	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 18:35	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 18:35	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/11 18:35	1
Toluene	<1.0		1.0		ug/L			07/29/11 18:35	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/11 18:35	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/11 18:35	1
Trichloroethene	<1.0		1.0		ug/L			07/29/11 18:35	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: Rinsate 7.25.11

Lab Sample ID: 680-70717-7

Date Collected: 07/25/11 15:35

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/29/11 18:35	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/29/11 18:35	1
Vinyl acetate	<2.0		2.0		ug/L			07/29/11 18:35	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/11 18:35	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/11 18:35	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		70 - 130		07/29/11 18:35	1
Dibromofluoromethane	104		70 - 130		07/29/11 18:35	1
Toluene-d8 (Surr)	99		70 - 130		07/29/11 18:35	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: Trip Blank

Lab Sample ID: 680-70717-8

Date Collected: 07/25/11 15:40

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/29/11 14:09	1
Acetonitrile	<40		40		ug/L			07/29/11 14:09	1
Acrolein	<20		20		ug/L			07/29/11 14:09	1
Acrylonitrile	<20		20		ug/L			07/29/11 14:09	1
Benzene	<1.0		1.0		ug/L			07/29/11 14:09	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/11 14:09	1
Bromoform	<1.0	*	1.0		ug/L			07/29/11 14:09	1
Bromomethane	<1.0		1.0		ug/L			07/29/11 14:09	1
2-Butanone (MEK)	<10		10		ug/L			07/29/11 14:09	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/11 14:09	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/11 14:09	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/11 14:09	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/29/11 14:09	1
Chloroethane	<1.0		1.0		ug/L			07/29/11 14:09	1
Chloroform	<1.0		1.0		ug/L			07/29/11 14:09	1
Chloromethane	<1.0		1.0		ug/L			07/29/11 14:09	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/29/11 14:09	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/11 14:09	1
1,2-Dibromo-3-Chloropropane	<1.0	*	1.0		ug/L			07/29/11 14:09	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/29/11 14:09	1
Dibromomethane	<1.0		1.0		ug/L			07/29/11 14:09	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/29/11 14:09	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/29/11 14:09	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/11 14:09	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/11 14:09	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 14:09	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 14:09	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/11 14:09	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/11 14:09	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 14:09	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 14:09	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/11 14:09	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/29/11 14:09	1
2-Hexanone	<10		10		ug/L			07/29/11 14:09	1
Iodomethane	<5.0		5.0		ug/L			07/29/11 14:09	1
Isobutyl alcohol	<40		40		ug/L			07/29/11 14:09	1
Methacrylonitrile	<20		20		ug/L			07/29/11 14:09	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/11 14:09	1
Methyl methacrylate	<1.0		1.0		ug/L			07/29/11 14:09	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/11 14:09	1
Pentachloroethane	<5.0		5.0		ug/L			07/29/11 14:09	1
Propionitrile	<20		20		ug/L			07/29/11 14:09	1
Styrene	<1.0		1.0		ug/L			07/29/11 14:09	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 14:09	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 14:09	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/11 14:09	1
Toluene	<1.0		1.0		ug/L			07/29/11 14:09	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/11 14:09	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/11 14:09	1
Trichloroethene	<1.0		1.0		ug/L			07/29/11 14:09	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: Trip Blank

Lab Sample ID: 680-70717-8

Date Collected: 07/25/11 15:40

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/29/11 14:09	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/29/11 14:09	1
Vinyl acetate	<2.0		2.0		ug/L			07/29/11 14:09	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/11 14:09	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/11 14:09	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		07/29/11 14:09	1
Dibromofluoromethane	104		70 - 130		07/29/11 14:09	1
Toluene-d8 (Surr)	99		70 - 130		07/29/11 14:09	1

Surrogate Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70717-1

Project/Site: Hercules Hattiesburg APIX 7/25/11

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	BFB (70-130)	DBFM (70-130)	TOL (70-130)
680-70717-1	CM-05	93	107	99
680-70717-2	CM-04	95	106	100
680-70717-3	CM-03	94	103	96
680-70717-4	CM-02	95	105	99
680-70717-5	CM-01	93	103	101
680-70717-6	CM-00	93	104	101
680-70717-7	Rinsate 7.25.11	92	104	99
680-70717-8	Trip Blank	93	104	99
LCS 680-210523/10	Lab Control Sample	96	104	98
LCSD 680-210523/11	Lab Control Sample Dup	107	112	106
MB 680-210523/13	Method Blank	101	104	99

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-210523/13

Matrix: Water

Analysis Batch: 210523

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	Result	MB MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/29/11 12:13	1
Acetonitrile	<40		40		ug/L			07/29/11 12:13	1
Acrolein	<20		20		ug/L			07/29/11 12:13	1
Acrylonitrile	<20		20		ug/L			07/29/11 12:13	1
Benzene	<1.0		1.0		ug/L			07/29/11 12:13	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/11 12:13	1
Bromoform	<1.0		1.0		ug/L			07/29/11 12:13	1
Bromomethane	<1.0		1.0		ug/L			07/29/11 12:13	1
2-Butanone (MEK)	<10		10		ug/L			07/29/11 12:13	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/11 12:13	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/11 12:13	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/11 12:13	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/29/11 12:13	1
Chloroethane	<1.0		1.0		ug/L			07/29/11 12:13	1
Chloroform	<1.0		1.0		ug/L			07/29/11 12:13	1
Chloromethane	<1.0		1.0		ug/L			07/29/11 12:13	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/29/11 12:13	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/11 12:13	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/29/11 12:13	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/29/11 12:13	1
Dibromomethane	<1.0		1.0		ug/L			07/29/11 12:13	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/29/11 12:13	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/29/11 12:13	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/11 12:13	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/11 12:13	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 12:13	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 12:13	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/11 12:13	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/11 12:13	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 12:13	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 12:13	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/11 12:13	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/29/11 12:13	1
2-Hexanone	<10		10		ug/L			07/29/11 12:13	1
Iodomethane	<5.0		5.0		ug/L			07/29/11 12:13	1
Isobutyl alcohol	<40		40		ug/L			07/29/11 12:13	1
Methacrylonitrile	<20		20		ug/L			07/29/11 12:13	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/11 12:13	1
Methyl methacrylate	<1.0		1.0		ug/L			07/29/11 12:13	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/11 12:13	1
Pentachloroethane	<5.0		5.0		ug/L			07/29/11 12:13	1
Propionitrile	<20		20		ug/L			07/29/11 12:13	1
Styrene	<1.0		1.0		ug/L			07/29/11 12:13	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 12:13	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 12:13	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/11 12:13	1
Toluene	<1.0		1.0		ug/L			07/29/11 12:13	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/11 12:13	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/11 12:13	1

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210523/13

Matrix: Water

Analysis Batch: 210523

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<1.0		1.0		ug/L			07/29/11 12:13	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/29/11 12:13	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/29/11 12:13	1
Vinyl acetate	<2.0		2.0		ug/L			07/29/11 12:13	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/11 12:13	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/11 12:13	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		70 - 130		07/29/11 12:13	1
Dibromofluoromethane	104		70 - 130		07/29/11 12:13	1
Toluene-d8 (Surr)	99		70 - 130		07/29/11 12:13	1

Lab Sample ID: LCS 680-210523/10

Matrix: Water

Analysis Batch: 210523

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	129		ug/L		129	26 - 180
Benzene	50.0	46.4		ug/L		93	70 - 130
Dichlorobromomethane	50.0	42.5		ug/L		85	70 - 130
Bromoform	50.0	33.4	*	ug/L		67	70 - 130
Bromomethane	50.0	24.6		ug/L		49	23 - 165
2-Butanone (MEK)	100	106		ug/L		106	49 - 172
Carbon disulfide	50.0	46.7		ug/L		93	54 - 132
Carbon tetrachloride	50.0	36.9		ug/L		74	70 - 130
Chlorobenzene	50.0	48.6		ug/L		97	70 - 130
Chloroethane	50.0	49.2		ug/L		98	56 - 152
Chloroform	50.0	49.9		ug/L		100	70 - 130
Chloromethane	50.0	53.7		ug/L		107	70 - 130
Chlorodibromomethane	50.0	39.3		ug/L		79	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	33.5	*	ug/L		67	70 - 130
Ethylene Dibromide	50.0	49.7		ug/L		99	70 - 130
Dibromomethane	50.0	49.2		ug/L		98	70 - 130
Dichlorodifluoromethane	50.0	51.0		ug/L		102	44 - 146
1,1-Dichloroethane	50.0	48.6		ug/L		97	70 - 130
1,2-Dichloroethane	50.0	48.2		ug/L		96	70 - 130
cis-1,2-Dichloroethene	50.0	49.8		ug/L		100	70 - 130
trans-1,2-Dichloroethene	50.0	49.9		ug/L		100	70 - 130
1,1-Dichloroethene	50.0	51.1		ug/L		102	66 - 131
1,2-Dichloropropane	50.0	45.9		ug/L		92	70 - 130
cis-1,3-Dichloropropene	50.0	44.4		ug/L		89	70 - 130
trans-1,3-Dichloropropene	50.0	43.0		ug/L		86	70 - 130
Ethylbenzene	50.0	46.0		ug/L		92	70 - 130
2-Hexanone	100	107		ug/L		107	42 - 185
Methylene Chloride	50.0	50.4		ug/L		101	67 - 130
4-Methyl-2-pentanone (MIBK)	100	91.1		ug/L		91	70 - 130
Styrene	50.0	49.7		ug/L		99	70 - 130
1,1,1,2-Tetrachloroethane	50.0	40.5		ug/L		81	70 - 130
1,1,2,2-Tetrachloroethane	50.0	46.9		ug/L		94	70 - 130

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210523/10

Matrix: Water

Analysis Batch: 210523

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Tetrachloroethene	50.0	50.2		ug/L		100	70 - 130	
Toluene	50.0	46.9		ug/L		94	70 - 130	
1,1,1-Trichloroethane	50.0	43.9		ug/L		88	70 - 130	
1,1,2-Trichloroethane	50.0	48.0		ug/L		96	70 - 130	
Trichloroethene	50.0	49.1		ug/L		98	70 - 130	
Trichlorofluoromethane	50.0	51.0		ug/L		102	55 - 156	
1,2,3-Trichloropropane	50.0	47.8		ug/L		96	70 - 130	
Vinyl acetate	100	94.0		ug/L		94	60 - 176	
Vinyl chloride	50.0	50.7		ug/L		101	67 - 134	
Xylenes, Total	150	144		ug/L		96	70 - 130	

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	96		70 - 130
Dibromofluoromethane	104		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: LCSD 680-210523/11

Matrix: Water

Analysis Batch: 210523

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD	Limit
							Limits			
Acetone	100	135		ug/L		135	26 - 180	4	50	
Benzene	50.0	51.7		ug/L		103	70 - 130	11	30	
Dichlorobromomethane	50.0	48.6		ug/L		97	70 - 130	13	30	
Bromoform	50.0	38.1		ug/L		76	70 - 130	13	30	
Bromomethane	50.0	35.2		ug/L		70	23 - 165	35	50	
2-Butanone (MEK)	100	115		ug/L		115	49 - 172	8	30	
Carbon disulfide	50.0	49.9		ug/L		100	54 - 132	7	30	
Carbon tetrachloride	50.0	42.6		ug/L		85	70 - 130	14	30	
Chlorobenzene	50.0	53.0		ug/L		106	70 - 130	9	30	
Chloroethane	50.0	54.8		ug/L		110	56 - 152	11	40	
Chloroform	50.0	54.5		ug/L		109	70 - 130	9	30	
Chloromethane	50.0	56.8		ug/L		114	70 - 130	6	30	
Chlorodibromomethane	50.0	42.7		ug/L		85	70 - 130	8	50	
1,2-Dibromo-3-Chloropropane	50.0	38.7		ug/L		77	70 - 130	14	50	
Ethylene Dibromide	50.0	55.2		ug/L		110	70 - 130	10	30	
Dibromomethane	50.0	54.4		ug/L		109	70 - 130	10	30	
Dichlorodifluoromethane	50.0	55.0		ug/L		110	44 - 146	8	50	
1,1-Dichloroethane	50.0	52.5		ug/L		105	70 - 130	8	30	
1,2-Dichloroethane	50.0	52.8		ug/L		106	70 - 130	9	30	
cis-1,2-Dichloroethene	50.0	55.0		ug/L		110	70 - 130	10	30	
trans-1,2-Dichloroethene	50.0	53.0		ug/L		106	70 - 130	6	30	
1,1-Dichloroethene	50.0	55.6		ug/L		111	66 - 131	8	30	
1,2-Dichloropropane	50.0	51.5		ug/L		103	70 - 130	12	30	
cis-1,3-Dichloropropene	50.0	48.8		ug/L		98	70 - 130	9	30	
trans-1,3-Dichloropropene	50.0	47.9		ug/L		96	70 - 130	11	50	
Ethylbenzene	50.0	51.3		ug/L		103	70 - 130	11	30	
2-Hexanone	100	115		ug/L		115	42 - 185	7	30	
Methylene Chloride	50.0	54.6		ug/L		109	67 - 130	8	30	

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-210523/11

Matrix: Water

Analysis Batch: 210523

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	100	103		ug/L		103	70 - 130	12	30
Styrene	50.0	54.9		ug/L		110	70 - 130	10	30
1,1,1,2-Tetrachloroethane	50.0	45.8		ug/L		92	70 - 130	12	30
1,1,2,2-Tetrachloroethane	50.0	51.5		ug/L		103	70 - 130	9	30
Tetrachloroethene	50.0	53.6		ug/L		107	70 - 130	7	30
Toluene	50.0	51.3		ug/L		103	70 - 130	9	30
1,1,1-Trichloroethane	50.0	50.4		ug/L		101	70 - 130	14	30
1,1,2-Trichloroethane	50.0	53.3		ug/L		107	70 - 130	10	30
Trichloroethene	50.0	54.6		ug/L		109	70 - 130	11	30
Trichlorofluoromethane	50.0	55.6		ug/L		111	55 - 156	9	30
1,2,3-Trichloropropane	50.0	53.1		ug/L		106	70 - 130	11	30
Vinyl acetate	100	100		ug/L		100	60 - 176	6	30
Vinyl chloride	50.0	55.0		ug/L		110	67 - 134	8	30
Xylenes, Total	150	159		ug/L		106	70 - 130	10	30

Surrogate	LCSD		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	107		70 - 130
Dibromofluoromethane	112		70 - 130
Toluene-d8 (Surr)	106		70 - 130

QC Association Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70717-1

Project/Site: Hercules Hattiesburg APIX 7/25/11

GC/MS VOA

Analysis Batch: 210523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70717-8	Trip Blank	Total/NA	Water	8260B	
680-70717-1	CM-05	Total/NA	Water	8260B	
LCS 680-210523/10	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-210523/11	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-210523/13	Method Blank	Total/NA	Water	8260B	
680-70717-2	CM-04	Total/NA	Water	8260B	
680-70717-3	CM-03	Total/NA	Water	8260B	
680-70717-4	CM-02	Total/NA	Water	8260B	
680-70717-5	CM-01	Total/NA	Water	8260B	
680-70717-6	CM-00	Total/NA	Water	8260B	
680-70717-7	Rinsate 7.25.11	Total/NA	Water	8260B	

Lab Chronicle

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-05

Date Collected: 07/25/11 13:15

Date Received: 07/26/11 08:01

Lab Sample ID: 680-70717-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210523	07/29/11 15:38	RB	TAL SAV

Client Sample ID: CM-04

Date Collected: 07/25/11 13:20

Date Received: 07/26/11 08:01

Lab Sample ID: 680-70717-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210523	07/29/11 16:07	RB	TAL SAV

Client Sample ID: CM-03

Date Collected: 07/25/11 13:30

Date Received: 07/26/11 08:01

Lab Sample ID: 680-70717-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210523	07/29/11 16:37	RB	TAL SAV

Client Sample ID: CM-02

Date Collected: 07/25/11 13:53

Date Received: 07/26/11 08:01

Lab Sample ID: 680-70717-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210523	07/29/11 17:06	RB	TAL SAV

Client Sample ID: CM-01

Date Collected: 07/25/11 15:00

Date Received: 07/26/11 08:01

Lab Sample ID: 680-70717-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210523	07/29/11 17:36	RB	TAL SAV

Client Sample ID: CM-00

Date Collected: 07/25/11 15:08

Date Received: 07/26/11 08:01

Lab Sample ID: 680-70717-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210523	07/29/11 18:05	RB	TAL SAV

Client Sample ID: Rinsate 7.25.11

Date Collected: 07/25/11 15:35

Date Received: 07/26/11 08:01

Lab Sample ID: 680-70717-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210523	07/29/11 18:35	RB	TAL SAV

Lab Chronicle

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: Trip Blank

Date Collected: 07/25/11 15:40

Date Received: 07/26/11 08:01

Lab Sample ID: 680-70717-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210523	07/29/11 14:09	RB	TAL SAV

Laboratory References:
TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-0240 (1007)

Analysis Request and Chain of Custody Record

PROJECT NO. 11073
PROJECT LOCATION (STATE) MS
CONTRACT NO.

CLIENT NAME Ashland Chemical
CLIENT ADDRESS 500 Hercules Blvd Wilmington, DE
CLIENT PHONE 302-995-3456
CLIENT FAX 995-3485
CLIENT EMAIL tdhasset@ashland.com

SAMPLE CONTRACTING THIS WORK (if applicable)

TA Mobile
900 Lakeside Drive
Mobile, AL 36693
Phone: (251) 666-6633
Fax: (251) 666-6696

www.testamericainc.com

Alternate Laboratory Name/Location:
Test America Savannah
5102 LaRue Ave
Savannah, GA 31404
Phone: 912-354-7858
Fax: 912-352-0165

PROJECT REFERENCE (LAB) PROJECT MANAGER	PROJECT NO.	PROJECT LOCATION (STATE)	MATRIX TYPE	SAMPLE IDENTIFICATION		COMPOSITE (C) OR GRAB (G) INDICATE	NONAQUEOUS LIQUID (OIL SOLVENT)	AIR	SOLID OR SEMISOLID	AQUEOUS (WATER)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
				DATE	TIME							
Lidya Gulzig	11073	MS		7-25-11	1315	CM-05					3	
Jim Hassett				7-25-11	1320	CM-04					3	
				7-25-11	1330	CM-03					3	
				7-25-11	1353	CM-02					3	
				7-25-11	1500	CM-01					3	
				7-25-11	1508	CM-00					3	
				7-25-11	1535	Rinsate 7.25.11					3	
				7-25-11	1540	Trip Blank					3	

RELINQUISHED BY: (SIGNATURE) *[Signature]*

RECEIVED BY: (SIGNATURE) *[Signature]*

RELINQUISHED BY: (SIGNATURE) *[Signature]*

RECEIVED BY: (SIGNATURE) *[Signature]*

DATE 7-25-11 TIME 1615

DATE TIME

RECEIVED FOR LABORATORY BY: *[Signature]*

LOG NO. 680

LABORATORY REMARKS: 5.6



Login Sample Receipt Checklist

Client: Ashland Inc.

Job Number: 680-70717-1

Login Number: 70717

List Source: TestAmerica Savannah

List Number: 1

Creator: Barnett, Eddie T

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Savannah	A2LA	DoD ELAP		0399-01
TestAmerica Savannah	A2LA	ISO/IEC 17025		399.01
TestAmerica Savannah	Alabama	State Program	4	41450
TestAmerica Savannah	Arkansas	Arkansas DOH	6	N/A
TestAmerica Savannah	Arkansas	State Program	6	88-0692
TestAmerica Savannah	California	NELAC	9	3217CA
TestAmerica Savannah	Colorado	State Program	8	N/A
TestAmerica Savannah	Connecticut	State Program	1	PH-0161
TestAmerica Savannah	Delaware	State Program	3	N/A
TestAmerica Savannah	Florida	NELAC	4	E87052
TestAmerica Savannah	Georgia	Georgia EPD	4	N/A
TestAmerica Savannah	Georgia	State Program	4	803
TestAmerica Savannah	Guam	State Program	9	09-005r
TestAmerica Savannah	Hawaii	State Program	9	N/A
TestAmerica Savannah	Illinois	NELAC	5	200022
TestAmerica Savannah	Indiana	State Program	5	N/A
TestAmerica Savannah	Iowa	State Program	7	353
TestAmerica Savannah	Kansas	NELAC	7	E-10322
TestAmerica Savannah	Kentucky	Kentucky UST	4	18
TestAmerica Savannah	Kentucky	State Program	4	90084
TestAmerica Savannah	Louisiana	NELAC	6	30690
TestAmerica Savannah	Louisiana	NELAC	6	LA100015
TestAmerica Savannah	Maine	State Program	1	GA00006
TestAmerica Savannah	Maryland	State Program	3	250
TestAmerica Savannah	Massachusetts	State Program	1	M-GA006
TestAmerica Savannah	Michigan	State Program	5	9925
TestAmerica Savannah	Mississippi	State Program	4	N/A
TestAmerica Savannah	Montana	State Program	8	CERT0081
TestAmerica Savannah	Nebraska	State Program	7	TestAmerica-Savannah
TestAmerica Savannah	Nevada	State Program	9	GA6
TestAmerica Savannah	New Jersey	NELAC	2	GA769
TestAmerica Savannah	New Mexico	State Program	6	N/A
TestAmerica Savannah	New York	NELAC	2	10842
TestAmerica Savannah	North Carolina	North Carolina DENR	4	269
TestAmerica Savannah	North Carolina	North Carolina PHL	4	13701
TestAmerica Savannah	Oklahoma	State Program	6	9984
TestAmerica Savannah	Pennsylvania	NELAC	3	68-00474
TestAmerica Savannah	Puerto Rico	State Program	2	GA00006
TestAmerica Savannah	Rhode Island	State Program	1	LAO00244
TestAmerica Savannah	South Carolina	State Program	4	98001
TestAmerica Savannah	Tennessee	State Program	4	TN02961
TestAmerica Savannah	Texas	NELAC	6	T104704185-08-TX
TestAmerica Savannah	USDA	USDA		SAV 3-04
TestAmerica Savannah	Vermont	State Program	1	87052
TestAmerica Savannah	Virginia	State Program	3	302
TestAmerica Savannah	Washington	State Program	10	C1794
TestAmerica Savannah	West Virginia	West Virginia DEP	3	94
TestAmerica Savannah	West Virginia	West Virginia DHHR (DW)	3	9950C
TestAmerica Savannah	Wisconsin	State Program	5	999819810
TestAmerica Savannah	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-70758-1

Client Project/Site: Hercules Hattiesburg APIX 7/26/11

Revision: 1

For:

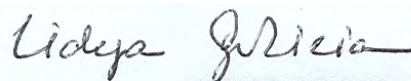
Ashland Inc.

Ashland Hercules Research Center

500 Hercules Rd Bldg 8139

Wilmington, Delaware 19808

Attn: Timothy Hassett



Authorized for release by:

09/19/2011 12:58:45 PM

Lidya Gulizia

Project Manager II

lidya.gulizia@testamericainc.com

cc: Craig Derouen

Chris Waters

Charlie Jordan

LINKS

Review your project
results through

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Have a Question?



Visit us at:

www.testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Case Narrative

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-1

Job ID: 680-70758-1

Laboratory: TestAmerica Savannah

Narrative

Job Narrative 680-70758-1 / Revised Report 9/19/11

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for four analytes to recover outside criteria for this method when a full list spike is utilized. The LCS/LCSD associated with batch 210523 had two analytes outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 4 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 210665 had 3 analytes outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The following sample(s) was diluted due to abundance of target analytes ASH-DUP-072611 (680-70758-2), ASH-MW17-072611 (680-70758-5), ASH-MW23-072611 (680-70758-6), ASH-MW08-072611 (680-70758-1), ASH-MW19-072611 (680-70758-7). As such, surrogate recoveries are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8270C: The laboratory control sample (LCS) for batch 210278 exceeded control limits for the following analyte(s): famphur. Famphur has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method(s) 8270C: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for four analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 210278 had two analytes outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C: Internal standard (ISTD) response for the following sample(s) was outside control limits: ASH-MW08-072611 (680-70758-1). The sample(s) was re-analyzed with concurring results. The original set of data has been reported.

Method(s) 8270C: The following analyte(s) recovered outside control limits for the LCS associated with batch 210278: dimethoate. This analyte was outside the Marginal Exceedance Limits. The holding time had expired ; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8081A_8082: Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample(s) contained an allowable number of surrogate compounds outside limits: ASH-DUP-072611 (680-70758-2), ASH-MW08-072611 (680-70758-1), ASH-MW13-072611 (680-70758-4), ASH-MW19-072611 (680-70758-7), ASH-MW23-072611 (680-70758-6), GWC-SC-M2-7-11 (680-70747-8), GWC-SC-M2-7-11 (680-70747-8 MS), GWC-SC-M2-7-11 (680-70747-8 MSD), (LCS 680-210285/19-A). These results have been reported and qualified.

Method(s) 8081A_8082: Internal standard (ISTD) response for the following sample(s) exceeded the control limit on Column two: ASH-DUP-072611 (680-70758-2), ASH-MW08-072611 (680-70758-1), ASH-MW13-072611 (680-70758-4), ASH-MW23-072611 (680-70758-6). As such, the sample results associated with this ISTD were reported from the other column, which met ISTD acceptance criteria. Sample matrix co-eluted with the ISTD on column two resulting in the high biased recovery.

Method(s) 8081A_8082: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 210285 were outside control limits. The

Case Narrative

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Job ID: 680-70758-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8081A_8082: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for one analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 210285 had one analyte outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8081A_8082: The pesticide LCS exceeded control limits for the surrogate DCB. The remaining batch QC met acceptance criteria for DCB. The pesticide LCS met acceptance criteria established within the SOP for all spiked target analytes; therefor the data have been flagged and reported. Re-extraction of the samples would have been outside of holding times.

Method(s) 8081A_8082: The following sample(s) was diluted due to the nature of the sample matrix: ASH-MW17-072611 (680-70758-5). Elevated reporting limits (RLs) are provided. Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported.

Method(s) 8151A: Surrogate recovery for the following sample(s) was outside control limits: ASH-MW17-072611 (680-70758-5), ASH-MW23-072611 (680-70758-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8151A: This method incorporates the use of second column confirmation. Corrective action for unacceptable percent recovery is not taken for surrogate compounds unless the results from both columns are outside criteria. Any results which fall outside criteria are qualified and reported.

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

Method(s) 335.4, 9012A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 210679 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Subcontract Work

Method 8290 - PCDD/PCDF: This method was subcontracted to TestAmerica West Sacramento. The TEQ concentrations wre calculated based on WHO 2005 TEF with non-detects equal to zero.

Comments

The report was revised to report all TA Savannah results to the method detection limit (MDL) and to revise the Method 8290 results from Appendix IX constituents to full PCDD/PCDF 2,3,7,8-substituted targets.

No other additional comments.

Sample Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-70758-1	ASH-MW08-072611	Water	07/26/11 09:25	07/27/11 09:20
680-70758-2	ASH-DUP-072611	Water	07/26/11 00:00	07/27/11 09:20
680-70758-3	ASH-RSI-072611	Water	07/26/11 08:57	07/27/11 09:20
680-70758-4	ASH-MW13-072611	Water	07/26/11 09:20	07/27/11 09:20
680-70758-5	ASH-MW17-072611	Water	07/26/11 11:45	07/27/11 09:20
680-70758-6	ASH-MW23-072611	Water	07/26/11 12:51	07/27/11 09:20
680-70758-7	ASH-MW19-072611	Water	07/26/11 14:20	07/27/11 09:20
680-70758-9	Trip Blank	Water	07/26/11 00:00	07/27/11 09:20

Method Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081A_8082	Organochlorine Pesticides & PCBs (GC)	SW846	TAL SAV
8151A	Herbicides (GC)	SW846	TAL SAV
8290	Dioxins/Furans, HRGC/HRMS (8290)	SW846	TAL WSC
6020	Metals (ICP/MS)	SW846	TAL SAV
7470A	Mercury (CVAA)	SW846	TAL SAV
9012A	Cyanide, Total and/or Amenable	SW846	TAL SAV
9034	Sulfide, Acid Soluble and Insoluble (Titrimetric)	SW846	TAL SAV

Protocol References:

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

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL WSC = TestAmerica West Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Definitions/Glossary

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
X	Surrogate is outside control limits
U	Indicates the analyte was analyzed for but not detected.
*	LCS or LCSD exceeds the control limits
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW08-072611

Lab Sample ID: 680-70758-1

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	Dil Fac	D	Method	Prep Type
Total TCDF	60		14	14			pg/L	1.05		8290	Total
Analyte	Result	Qualifier		RL		MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4600			50		13	ug/L	50		8260B	Total/NA
Carbon tetrachloride	2600			50		25	ug/L	50		8260B	Total/NA
Chlorobenzene	220			50		13	ug/L	50		8260B	Total/NA
Chloroform	640			50		7.0	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	18	J		50		7.5	ug/L	50		8260B	Total/NA
Ethylbenzene	55			50		5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	340			250		50	ug/L	50		8260B	Total/NA
Toluene	29	J		50		17	ug/L	50		8260B	Total/NA
Xylenes, Total	95	J		100		10	ug/L	50		8260B	Total/NA
1,4-Dioxane	13000			1000		350	ug/L	100		8270C	Total/NA
o,o',o"-Triethylphosphorothioate	3400			1000		100	ug/L	100		8270C	Total/NA
alpha-BHC	0.61			0.051		0.0058	ug/L	1		8081A_8082	Total/NA
gamma-BHC (Lindane)	0.30			0.051		0.0060	ug/L	1		8081A_8082	Total/NA
Arsenic	42			2.5		1.3	ug/L	1		6020	Total/NA
Barium	260			5.0		1.4	ug/L	1		6020	Total/NA
Cobalt	0.37	J		0.50		0.12	ug/L	1		6020	Total/NA
Copper	1.5	J		5.0		1.1	ug/L	1		6020	Total/NA
Analyte	Result	Qualifier		RL		RL	Unit	Dil Fac	D	Method	Prep Type
Sulfide	5.0			1.0		1.0	mg/L	1		9034	Total/NA

Client Sample ID: ASH-DUP-072611

Lab Sample ID: 680-70758-2

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	Dil Fac	D	Method	Prep Type
Total TCDF	66		10	6.0			pg/L	1.01		8290	Total
Analyte	Result	Qualifier		RL		MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	5100			50		13	ug/L	50		8260B	Total/NA
Carbon tetrachloride	2700	*		50		25	ug/L	50		8260B	Total/NA
Chlorobenzene	240			50		13	ug/L	50		8260B	Total/NA
Chloroform	640			50		7.0	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	10	J		50		7.5	ug/L	50		8260B	Total/NA
Ethylbenzene	61			50		5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	350			250		50	ug/L	50		8260B	Total/NA
Toluene	35	J		50		17	ug/L	50		8260B	Total/NA
Xylenes, Total	90	J		100		10	ug/L	50		8260B	Total/NA
1,4-Dioxane	9400			510		170	ug/L	50		8270C	Total/NA
o,o',o"-Triethylphosphorothioate	3300			510		51	ug/L	50		8270C	Total/NA
alpha-BHC	0.75			0.049		0.0056	ug/L	1		8081A_8082	Total/NA
gamma-BHC (Lindane)	0.45			0.049		0.0058	ug/L	1		8081A_8082	Total/NA
Arsenic	44			2.5		1.3	ug/L	1		6020	Total/NA
Barium	260			5.0		1.4	ug/L	1		6020	Total/NA
Cobalt	0.37	J		0.50		0.12	ug/L	1		6020	Total/NA
Selenium	1.1	J		2.5		1.1	ug/L	1		6020	Total/NA
Analyte	Result	Qualifier		RL		RL	Unit	Dil Fac	D	Method	Prep Type
Sulfide	17			1.0		1.0	mg/L	1		9034	Total/NA

Client Sample ID: ASH-RSI-072611

Lab Sample ID: 680-70758-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	0.25	J	2.0	0.20	ug/L	1		8260B	Total/NA
Barium	12		5.0	1.4	ug/L	1		6020	Total/NA
Copper	3.2	J	5.0	1.1	ug/L	1		6020	Total/NA

Detection Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-RSI-072611 (Continued)

Lab Sample ID: 680-70758-3

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sulfide	2.3		1.0	1.0	mg/L	1		9034	Total/NA

Client Sample ID: ASH-MW13-072611

Lab Sample ID: 680-70758-4

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	Dil Fac	D	Method	Prep Type
Total TCDF	17		10	3.3			pg/L	1		8290	Total
Analyte	Result	Qualifier		RL		MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	390			10		2.5	ug/L	10		8260B	Total/NA
Carbon tetrachloride	620			10		5.0	ug/L	10		8260B	Total/NA
Chlorobenzene	24			10		2.5	ug/L	10		8260B	Total/NA
Chloroform	210			10		1.4	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	2.1	J		10		1.5	ug/L	10		8260B	Total/NA
Xylenes, Total	2.3	J		20		2.0	ug/L	10		8260B	Total/NA
1,4-Dioxane	470			49		17	ug/L	5		8270C	Total/NA
o,o',o''-Triethylphosphorothioate	190			49		4.9	ug/L	5		8270C	Total/NA
alpha-BHC	0.25			0.051		0.0058	ug/L	1		8081A_8082	Total/NA
Arsenic	5.7			2.5		1.3	ug/L	1		6020	Total/NA
Barium	49			5.0		1.4	ug/L	1		6020	Total/NA
Beryllium	0.16	J		0.50		0.15	ug/L	1		6020	Total/NA
Cobalt	1.5			0.50		0.12	ug/L	1		6020	Total/NA
Nickel	2.5	J		5.0		2.0	ug/L	1		6020	Total/NA
Zinc	41			20		8.4	ug/L	1		6020	Total/NA

Client Sample ID: ASH-MW17-072611

Lab Sample ID: 680-70758-5

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	Dil Fac	D	Method	Prep Type
Total TCDF	100		10	8.0			pg/L	1		8290	Total
Analyte	Result	Qualifier		RL		MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3600			200		50	ug/L	200		8260B	Total/NA
Carbon tetrachloride	25000	*		200		100	ug/L	200		8260B	Total/NA
Chlorobenzene	770			200		50	ug/L	200		8260B	Total/NA
Chloroform	3000			200		28	ug/L	200		8260B	Total/NA
Ethylbenzene	110	J		200		22	ug/L	200		8260B	Total/NA
Toluene	160	J		200		66	ug/L	200		8260B	Total/NA
Xylenes, Total	270	J		400		40	ug/L	200		8260B	Total/NA
1,4-Dioxane	840	J		1000		340	ug/L	100		8270C	Total/NA
o,o',o''-Triethylphosphorothioate	12000			1000		100	ug/L	100		8270C	Total/NA
alpha-BHC	1.5	p		0.49		0.056	ug/L	10		8081A_8082	Total/NA
4,4'-DDD	0.65	J		0.99		0.064	ug/L	10		8081A_8082	Total/NA
4,4'-DDT	0.44	J		0.99		0.096	ug/L	10		8081A_8082	Total/NA
Arsenic	28			2.5		1.3	ug/L	1		6020	Total/NA
Barium	120			5.0		1.4	ug/L	1		6020	Total/NA
Cobalt	0.69			0.50		0.12	ug/L	1		6020	Total/NA
Analyte	Result	Qualifier		RL		RL	Unit	Dil Fac	D	Method	Prep Type
Sulfide	4.2			1.0		1.0	mg/L	1		9034	Total/NA

Client Sample ID: ASH-MW23-072611

Lab Sample ID: 680-70758-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2000	J	2500	500	ug/L	100		8260B	Total/NA
Benzene	8800		100	25	ug/L	100		8260B	Total/NA
2-Butanone (MEK)	330	J	1000	100	ug/L	100		8260B	Total/NA
Carbon disulfide	390		200	60	ug/L	100		8260B	Total/NA

Detection Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW23-072611 (Continued)

Lab Sample ID: 680-70758-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	140		100	25	ug/L	100		8260B	Total/NA
Chloroform	3200		100	14	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	12	J	100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	210	J	500	100	ug/L	100		8260B	Total/NA
4-Methyl-2-pentanone (MIBK)	1100		1000	100	ug/L	100		8260B	Total/NA
Toluene	1300		100	33	ug/L	100		8260B	Total/NA
Acenaphthene	23	J	97	7.4	ug/L	10		8270C	Total/NA
1,1'-Biphenyl	57	J	97	5.6	ug/L	10		8270C	Total/NA
1,4-Dioxane	890		97	33	ug/L	10		8270C	Total/NA
Fluorene	13	J	97	9.3	ug/L	10		8270C	Total/NA
2-Methylnaphthalene	20	J	97	7.6	ug/L	10		8270C	Total/NA
2-Methylphenol	68	J	97	8.6	ug/L	10		8270C	Total/NA
3 & 4 Methylphenol	660		97	13	ug/L	10		8270C	Total/NA
Phenanthrene	11	J	97	7.5	ug/L	10		8270C	Total/NA
Phenol	140		97	8.0	ug/L	10		8270C	Total/NA
2,4-D	6.0	E p	0.50	0.037	ug/L	1		8151A	Total/NA
2,4-D - DL	10	D	2.0	0.15	ug/L	4		8151A	Total/NA
2,4,5-T - DL	0.76	J	2.0	0.25	ug/L	4		8151A	Total/NA
Arsenic	19		2.5	1.3	ug/L	1		6020	Total/NA
Barium	240		5.0	1.4	ug/L	1		6020	Total/NA
Beryllium	3.3		0.50	0.15	ug/L	1		6020	Total/NA
Chromium	5.0		5.0	2.5	ug/L	1		6020	Total/NA
Cobalt	0.71		0.50	0.12	ug/L	1		6020	Total/NA
Nickel	2.7	J	5.0	2.0	ug/L	1		6020	Total/NA
Selenium	1.3	J	2.5	1.1	ug/L	1		6020	Total/NA
Vanadium	16		10	3.2	ug/L	1		6020	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sulfide	7.9		1.0	1.0	mg/L	1		9034	Total/NA

Client Sample ID: ASH-MW19-072611

Lab Sample ID: 680-70758-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.5	J	25	5.0	ug/L	1		8260B	Total/NA
Benzene	54		1.0	0.25	ug/L	1		8260B	Total/NA
Carbon tetrachloride	3.5		1.0	0.50	ug/L	1		8260B	Total/NA
Chlorobenzene	9.9		1.0	0.25	ug/L	1		8260B	Total/NA
Chloroform	3.3		1.0	0.14	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.97	J	1.0	0.11	ug/L	1		8260B	Total/NA
Ethylbenzene	1.3		1.0	0.11	ug/L	1		8260B	Total/NA
Isobutyl alcohol	32	J	40	11	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.34	J	1.0	0.15	ug/L	1		8260B	Total/NA
Toluene	2.4		1.0	0.33	ug/L	1		8260B	Total/NA
Xylenes, Total	1.6	J	2.0	0.20	ug/L	1		8260B	Total/NA
1,1'-Biphenyl	770		99	5.8	ug/L	10		8270C	Total/NA
Naphthalene	9.5	J	99	6.9	ug/L	10		8270C	Total/NA
Phenol	36	J	99	8.2	ug/L	10		8270C	Total/NA
Arsenic	14		2.5	1.3	ug/L	1		6020	Total/NA
Barium	51		5.0	1.4	ug/L	1		6020	Total/NA
Zinc	57		20	8.4	ug/L	1		6020	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 680-70758-9

No Detections

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW08-072611

Lab Sample ID: 680-70758-1

Date Collected: 07/26/11 09:25

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1300	U	1300	250	ug/L			07/30/11 06:36	50
Acetonitrile	2000	U	2000	500	ug/L			07/30/11 06:36	50
Acrolein	1000	U	1000	370	ug/L			07/30/11 06:36	50
Acrylonitrile	1000	U	1000	360	ug/L			07/30/11 06:36	50
Benzene	4600		50	13	ug/L			07/30/11 06:36	50
Dichlorobromomethane	50	U	50	13	ug/L			07/30/11 06:36	50
Bromoform	50	U	50	25	ug/L			07/30/11 06:36	50
Bromomethane	50	U	50	40	ug/L			07/30/11 06:36	50
2-Butanone (MEK)	500	U	500	50	ug/L			07/30/11 06:36	50
Carbon disulfide	100	U	100	30	ug/L			07/30/11 06:36	50
Carbon tetrachloride	2600		50	25	ug/L			07/30/11 06:36	50
Chlorobenzene	220		50	13	ug/L			07/30/11 06:36	50
2-Chloro-1,3-butadiene	50	U	50	15	ug/L			07/30/11 06:36	50
Chloroethane	50	U	50	50	ug/L			07/30/11 06:36	50
Chloroform	640		50	7.0	ug/L			07/30/11 06:36	50
Chloromethane	50	U	50	17	ug/L			07/30/11 06:36	50
3-Chloro-1-propene	50	U	50	10	ug/L			07/30/11 06:36	50
Chlorodibromomethane	50	U	50	5.0	ug/L			07/30/11 06:36	50
1,2-Dibromo-3-Chloropropane	50	U	50	22	ug/L			07/30/11 06:36	50
Ethylene Dibromide	50	U	50	13	ug/L			07/30/11 06:36	50
Dibromomethane	50	U	50	10	ug/L			07/30/11 06:36	50
trans-1,4-Dichloro-2-butene	100	U	100	25	ug/L			07/30/11 06:36	50
Dichlorodifluoromethane	50	U	50	13	ug/L			07/30/11 06:36	50
1,1-Dichloroethane	50	U	50	13	ug/L			07/30/11 06:36	50
1,2-Dichloroethane	50	U	50	5.0	ug/L			07/30/11 06:36	50
cis-1,2-Dichloroethene	18	J	50	7.5	ug/L			07/30/11 06:36	50
trans-1,2-Dichloroethene	50	U	50	10	ug/L			07/30/11 06:36	50
1,1-Dichloroethene	50	U	50	5.5	ug/L			07/30/11 06:36	50
1,2-Dichloropropane	50	U	50	6.5	ug/L			07/30/11 06:36	50
cis-1,3-Dichloropropene	50	U	50	5.5	ug/L			07/30/11 06:36	50
trans-1,3-Dichloropropene	50	U	50	11	ug/L			07/30/11 06:36	50
Ethylbenzene	55		50	5.5	ug/L			07/30/11 06:36	50
Ethyl methacrylate	50	U	50	13	ug/L			07/30/11 06:36	50
2-Hexanone	500	U	500	50	ug/L			07/30/11 06:36	50
Iodomethane	250	U	250	50	ug/L			07/30/11 06:36	50
Isobutyl alcohol	2000	U	2000	550	ug/L			07/30/11 06:36	50
Methacrylonitrile	1000	U	1000	170	ug/L			07/30/11 06:36	50
Methylene Chloride	340		250	50	ug/L			07/30/11 06:36	50
Methyl methacrylate	50	U	50	24	ug/L			07/30/11 06:36	50
4-Methyl-2-pentanone (MIBK)	500	U	500	50	ug/L			07/30/11 06:36	50
Pentachloroethane	250	U	250	60	ug/L			07/30/11 06:36	50
Propionitrile	1000	U	1000	230	ug/L			07/30/11 06:36	50
Styrene	50	U	50	5.5	ug/L			07/30/11 06:36	50
1,1,1,2-Tetrachloroethane	50	U	50	17	ug/L			07/30/11 06:36	50
1,1,2,2-Tetrachloroethane	50	U	50	9.0	ug/L			07/30/11 06:36	50
Tetrachloroethene	50	U	50	7.5	ug/L			07/30/11 06:36	50
Toluene	29	J	50	17	ug/L			07/30/11 06:36	50
1,1,1-Trichloroethane	50	U	50	25	ug/L			07/30/11 06:36	50
1,1,2-Trichloroethane	50	U	50	6.5	ug/L			07/30/11 06:36	50
Trichloroethene	50	U	50	6.5	ug/L			07/30/11 06:36	50

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW08-072611

Lab Sample ID: 680-70758-1

Date Collected: 07/26/11 09:25

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	50	U	50	13	ug/L			07/30/11 06:36	50
1,2,3-Trichloropropane	50	U	50	21	ug/L			07/30/11 06:36	50
Vinyl acetate	100	U	100	14	ug/L			07/30/11 06:36	50
Vinyl chloride	50	U	50	9.0	ug/L			07/30/11 06:36	50
Xylenes, Total	95	J	100	10	ug/L			07/30/11 06:36	50

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		70 - 130		07/30/11 06:36	50
Dibromofluoromethane	108		70 - 130		07/30/11 06:36	50
Toluene-d8 (Surr)	97		70 - 130		07/30/11 06:36	50

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1000	U	1000	78	ug/L		07/28/11 14:42	08/04/11 13:18	100
Acenaphthylene	1000	U	1000	88	ug/L		07/28/11 14:42	08/04/11 13:18	100
Acetophenone	1000	U	1000	59	ug/L		07/28/11 14:42	08/04/11 13:18	100
2-Acetylaminofluorene	1000	U	1000	160	ug/L		07/28/11 14:42	08/04/11 13:18	100
alpha,alpha-Dimethyl phenethylamine	210000	U	210000	3600	ug/L		07/28/11 14:42	08/04/11 13:18	100
4-Aminobiphenyl	1000	U	1000	120	ug/L		07/28/11 14:42	08/04/11 13:18	100
Aniline	2100	U	2100	220	ug/L		07/28/11 14:42	08/04/11 13:18	100
Anthracene	1000	U	1000	71	ug/L		07/28/11 14:42	08/04/11 13:18	100
Aramite, Total	1000	U	1000	94	ug/L		07/28/11 14:42	08/04/11 13:18	100
Benzo[a]anthracene	1000	U	1000	57	ug/L		07/28/11 14:42	08/04/11 13:18	100
Benzo[a]pyrene	1000	U	1000	73	ug/L		07/28/11 14:42	08/04/11 13:18	100
Benzo[b]fluoranthene	1000	U	1000	270	ug/L		07/28/11 14:42	08/04/11 13:18	100
Benzo[g,h,i]perylene	1000	U	1000	90	ug/L		07/28/11 14:42	08/04/11 13:18	100
Benzo[k]fluoranthene	1000	U	1000	120	ug/L		07/28/11 14:42	08/04/11 13:18	100
Benzyl alcohol	1000	U	1000	110	ug/L		07/28/11 14:42	08/04/11 13:18	100
1,1'-Biphenyl	1000	U	1000	60	ug/L		07/28/11 14:42	08/04/11 13:18	100
Bis(2-chloroethoxy)methane	1000	U	1000	97	ug/L		07/28/11 14:42	08/04/11 13:18	100
Bis(2-chloroethyl)ether	1000	U	1000	110	ug/L		07/28/11 14:42	08/04/11 13:18	100
bis(chloroisopropyl) ether	1000	U	1000	80	ug/L		07/28/11 14:42	08/04/11 13:18	100
Bis(2-ethylhexyl) phthalate	1000	U	1000	160	ug/L		07/28/11 14:42	08/04/11 13:18	100
4-Bromophenyl phenyl ether	1000	U	1000	79	ug/L		07/28/11 14:42	08/04/11 13:18	100
Butyl benzyl phthalate	1000	U	1000	120	ug/L		07/28/11 14:42	08/04/11 13:18	100
4-Chloroaniline	2100	U	2100	230	ug/L		07/28/11 14:42	08/04/11 13:18	100
4-Chloro-3-methylphenol	1000	U	1000	100	ug/L		07/28/11 14:42	08/04/11 13:18	100
2-Chloronaphthalene	1000	U	1000	82	ug/L		07/28/11 14:42	08/04/11 13:18	100
2-Chlorophenol	1000	U	1000	90	ug/L		07/28/11 14:42	08/04/11 13:18	100
4-Chlorophenyl phenyl ether	1000	U	1000	87	ug/L		07/28/11 14:42	08/04/11 13:18	100
Chrysene	1000	U	1000	53	ug/L		07/28/11 14:42	08/04/11 13:18	100
Diallylate	1000	U	1000	80	ug/L		07/28/11 14:42	08/04/11 13:18	100
Dibenz(a,h)anthracene	1000	U	1000	100	ug/L		07/28/11 14:42	08/04/11 13:18	100
Dibenzofuran	1000	U	1000	81	ug/L		07/28/11 14:42	08/04/11 13:18	100
1,2-Dichlorobenzene	1000	U	1000	55	ug/L		07/28/11 14:42	08/04/11 13:18	100
1,3-Dichlorobenzene	1000	U	1000	61	ug/L		07/28/11 14:42	08/04/11 13:18	100
1,4-Dichlorobenzene	1000	U	1000	56	ug/L		07/28/11 14:42	08/04/11 13:18	100
3,3'-Dichlorobenzidine	6200	U	6200	3100	ug/L		07/28/11 14:42	08/04/11 13:18	100
2,4-Dichlorophenol	1000	U	1000	110	ug/L		07/28/11 14:42	08/04/11 13:18	100
2,6-Dichlorophenol	1000	U	1000	75	ug/L		07/28/11 14:42	08/04/11 13:18	100
Diethyl phthalate	1000	U	1000	91	ug/L		07/28/11 14:42	08/04/11 13:18	100

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW08-072611

Lab Sample ID: 680-70758-1

Date Collected: 07/26/11 09:25

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	1000	U *	1000	77	ug/L		07/28/11 14:42	08/04/11 13:18	100
7,12-Dimethylbenz(a)anthracene	1000	U	1000	120	ug/L		07/28/11 14:42	08/04/11 13:18	100
3,3'-Dimethylbenzidine	2100	U	2100	1000	ug/L		07/28/11 14:42	08/04/11 13:18	100
2,4-Dimethylphenol	1000	U	1000	410	ug/L		07/28/11 14:42	08/04/11 13:18	100
Dimethyl phthalate	1000	U	1000	100	ug/L		07/28/11 14:42	08/04/11 13:18	100
Di-n-butyl phthalate	1000	U	1000	86	ug/L		07/28/11 14:42	08/04/11 13:18	100
1,3-Dinitrobenzene	1000	U	1000	62	ug/L		07/28/11 14:42	08/04/11 13:18	100
4,6-Dinitro-2-methylphenol	5200	U	5200	1000	ug/L		07/28/11 14:42	08/04/11 13:18	100
2,4-Dinitrophenol	5200	U	5200	1000	ug/L		07/28/11 14:42	08/04/11 13:18	100
2,4-Dinitrotoluene	1000	U	1000	120	ug/L		07/28/11 14:42	08/04/11 13:18	100
2,6-Dinitrotoluene	1000	U	1000	110	ug/L		07/28/11 14:42	08/04/11 13:18	100
Di-n-octyl phthalate	1000	U	1000	140	ug/L		07/28/11 14:42	08/04/11 13:18	100
Dinoseb	1000	U	1000	520	ug/L		07/28/11 14:42	08/04/11 13:18	100
1,4-Dioxane	13000		1000	350	ug/L		07/28/11 14:42	08/04/11 13:18	100
Disulfoton	1000	U *	1000	81	ug/L		07/28/11 14:42	08/04/11 13:18	100
Ethyl methanesulfonate	1000	U	1000	99	ug/L		07/28/11 14:42	08/04/11 13:18	100
Ethyl Parathion	1000	U	1000	130	ug/L		07/28/11 14:42	08/04/11 13:18	100
Famphur	1000	U *	1000	110	ug/L		07/28/11 14:42	08/04/11 13:18	100
Fluoranthene	1000	U	1000	76	ug/L		07/28/11 14:42	08/04/11 13:18	100
Fluorene	1000	U	1000	99	ug/L		07/28/11 14:42	08/04/11 13:18	100
Hexachlorobenzene	1000	U	1000	81	ug/L		07/28/11 14:42	08/04/11 13:18	100
Hexachlorobutadiene	1000	U	1000	64	ug/L		07/28/11 14:42	08/04/11 13:18	100
Hexachlorocyclopentadiene	1000	U	1000	260	ug/L		07/28/11 14:42	08/04/11 13:18	100
Hexachloroethane	1000	U	1000	78	ug/L		07/28/11 14:42	08/04/11 13:18	100
Hexachlorophene	520000	U	520000	2800	ug/L		07/28/11 14:42	08/04/11 13:18	100
Hexachloropropene	1000	U	1000	140	ug/L		07/28/11 14:42	08/04/11 13:18	100
Indeno[1,2,3-cd]pyrene	1000	U	1000	100	ug/L		07/28/11 14:42	08/04/11 13:18	100
Isophorone	1000	U	1000	93	ug/L		07/28/11 14:42	08/04/11 13:18	100
Isosafrole	1000	U	1000	52	ug/L		07/28/11 14:42	08/04/11 13:18	100
Methapyrilene	210000	U	210000	280	ug/L		07/28/11 14:42	08/04/11 13:18	100
3-Methylcholanthrene	1000	U	1000	140	ug/L		07/28/11 14:42	08/04/11 13:18	100
Methyl methanesulfonate	1000	U	1000	62	ug/L		07/28/11 14:42	08/04/11 13:18	100
2-Methylnaphthalene	1000	U	1000	80	ug/L		07/28/11 14:42	08/04/11 13:18	100
Methyl parathion	1000	U *	1000	91	ug/L		07/28/11 14:42	08/04/11 13:18	100
2-Methylphenol	1000	U	1000	92	ug/L		07/28/11 14:42	08/04/11 13:18	100
3 & 4 Methylphenol	1000	U	1000	130	ug/L		07/28/11 14:42	08/04/11 13:18	100
Naphthalene	1000	U	1000	72	ug/L		07/28/11 14:42	08/04/11 13:18	100
1,4-Naphthoquinone	1000	U	1000	64	ug/L		07/28/11 14:42	08/04/11 13:18	100
1-Naphthylamine	1000	U	1000	110	ug/L		07/28/11 14:42	08/04/11 13:18	100
2-Naphthylamine	1000	U	1000	150	ug/L		07/28/11 14:42	08/04/11 13:18	100
2-Nitroaniline	5200	U	5200	130	ug/L		07/28/11 14:42	08/04/11 13:18	100
3-Nitroaniline	5200	U	5200	520	ug/L		07/28/11 14:42	08/04/11 13:18	100
4-Nitroaniline	5200	U	5200	520	ug/L		07/28/11 14:42	08/04/11 13:18	100
Nitrobenzene	1000	U	1000	75	ug/L		07/28/11 14:42	08/04/11 13:18	100
2-Nitrophenol	1000	U	1000	78	ug/L		07/28/11 14:42	08/04/11 13:18	100
4-Nitrophenol	5200	U	5200	200	ug/L		07/28/11 14:42	08/04/11 13:18	100
4-Nitroquinoline-1-oxide	2100	U	2100	1000	ug/L		07/28/11 14:42	08/04/11 13:18	100
N-Nitro-o-toluidine	1000	U	1000	150	ug/L		07/28/11 14:42	08/04/11 13:18	100
N-Nitrosodiethylamine	1000	U	1000	96	ug/L		07/28/11 14:42	08/04/11 13:18	100
N-Nitrosodimethylamine	1000	U	1000	290	ug/L		07/28/11 14:42	08/04/11 13:18	100

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW08-072611

Lab Sample ID: 680-70758-1

Date Collected: 07/26/11 09:25

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-butylamine	1000	U	1000	99	ug/L		07/28/11 14:42	08/04/11 13:18	100
N-Nitrosodi-n-propylamine	1000	U	1000	74	ug/L		07/28/11 14:42	08/04/11 13:18	100
N-Nitrosodiphenylamine	1000	U	1000	95	ug/L		07/28/11 14:42	08/04/11 13:18	100
N-Nitrosomethylethylamine	1000	U	1000	340	ug/L		07/28/11 14:42	08/04/11 13:18	100
N-Nitrosomorpholine	1000	U	1000	87	ug/L		07/28/11 14:42	08/04/11 13:18	100
N-Nitrosopiperidine	1000	U	1000	91	ug/L		07/28/11 14:42	08/04/11 13:18	100
N-Nitrosopyrrolidine	1000	U	1000	100	ug/L		07/28/11 14:42	08/04/11 13:18	100
o,o',o"-Triethylphosphorothioate	3400		1000	100	ug/L		07/28/11 14:42	08/04/11 13:18	100
p-Dimethylamino azobenzene	1000	U	1000	81	ug/L		07/28/11 14:42	08/04/11 13:18	100
Pentachlorobenzene	1000	U	1000	54	ug/L		07/28/11 14:42	08/04/11 13:18	100
Pentachloronitrobenzene	1000	U	1000	80	ug/L		07/28/11 14:42	08/04/11 13:18	100
Pentachlorophenol	5200	U	5200	210	ug/L		07/28/11 14:42	08/04/11 13:18	100
Phenacetin	1000	U	1000	140	ug/L		07/28/11 14:42	08/04/11 13:18	100
Phenanthrene	1000	U	1000	79	ug/L		07/28/11 14:42	08/04/11 13:18	100
Phenol	1000	U	1000	86	ug/L		07/28/11 14:42	08/04/11 13:18	100
Phorate	1000	U	1000	90	ug/L		07/28/11 14:42	08/04/11 13:18	100
2-Picoline	1000	U	1000	140	ug/L		07/28/11 14:42	08/04/11 13:18	100
p-Phenylene diamine	210000	U	210000	1000	ug/L		07/28/11 14:42	08/04/11 13:18	100
Pronamide	1000	U	1000	92	ug/L		07/28/11 14:42	08/04/11 13:18	100
Pyrene	1000	U	1000	65	ug/L		07/28/11 14:42	08/04/11 13:18	100
Pyridine	5200	U	5200	240	ug/L		07/28/11 14:42	08/04/11 13:18	100
Safrole, Total	1000	U	1000	82	ug/L		07/28/11 14:42	08/04/11 13:18	100
Sulfotepp	1000	U	1000	55	ug/L		07/28/11 14:42	08/04/11 13:18	100
1,2,4,5-Tetrachlorobenzene	1000	U	1000	78	ug/L		07/28/11 14:42	08/04/11 13:18	100
2,3,4,6-Tetrachlorophenol	1000	U	1000	74	ug/L		07/28/11 14:42	08/04/11 13:18	100
Thionazin	1000	U	1000	94	ug/L		07/28/11 14:42	08/04/11 13:18	100
2-Toluidine	1000	U	1000	140	ug/L		07/28/11 14:42	08/04/11 13:18	100
1,2,4-Trichlorobenzene	1000	U	1000	58	ug/L		07/28/11 14:42	08/04/11 13:18	100
2,4,5-Trichlorophenol	1000	U	1000	120	ug/L		07/28/11 14:42	08/04/11 13:18	100
2,4,6-Trichlorophenol	1000	U	1000	88	ug/L		07/28/11 14:42	08/04/11 13:18	100
1,3,5-Trinitrobenzene	1000	U	1000	210	ug/L		07/28/11 14:42	08/04/11 13:18	100

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	0	D	38 - 130	07/28/11 14:42	08/04/11 13:18	100
2-Fluorophenol	0	D	25 - 130	07/28/11 14:42	08/04/11 13:18	100
Nitrobenzene-d5	0	D	39 - 130	07/28/11 14:42	08/04/11 13:18	100
Phenol-d5	0	D	25 - 130	07/28/11 14:42	08/04/11 13:18	100
Terphenyl-d14	0	D	10 - 143	07/28/11 14:42	08/04/11 13:18	100
2,4,6-Tribromophenol	0	D	31 - 141	07/28/11 14:42	08/04/11 13:18	100

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.051	U	0.051	0.0071	ug/L		07/28/11 14:42	08/01/11 20:20	1
alpha-BHC	0.61		0.051	0.0058	ug/L		07/28/11 14:42	08/01/11 20:20	1
beta-BHC	0.051	U *	0.051	0.0068	ug/L		07/28/11 14:42	08/01/11 20:20	1
Chlordane (technical)	0.51	U	0.51	0.10	ug/L		07/28/11 14:42	08/01/11 20:20	1
Chlorobenzilate	0.51	U	0.51	0.51	ug/L		07/28/11 14:42	08/01/11 20:20	1
4,4'-DDD	0.10	U	0.10	0.0066	ug/L		07/28/11 14:42	08/01/11 20:20	1
4,4'-DDE	0.10	U	0.10	0.0078	ug/L		07/28/11 14:42	08/01/11 20:20	1
4,4'-DDT	0.10	U	0.10	0.0098	ug/L		07/28/11 14:42	08/01/11 20:20	1
delta-BHC	0.051	U	0.051	0.0049	ug/L		07/28/11 14:42	08/01/11 20:20	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW08-072611

Lab Sample ID: 680-70758-1

Date Collected: 07/26/11 09:25

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	0.10	U	0.10	0.0092	ug/L		07/28/11 14:42	08/01/11 20:20	1
Endosulfan I	0.051	U	0.051	0.0043	ug/L		07/28/11 14:42	08/01/11 20:20	1
Endosulfan II	0.10	U	0.10	0.0099	ug/L		07/28/11 14:42	08/01/11 20:20	1
Endosulfan sulfate	0.10	U	0.10	0.0069	ug/L		07/28/11 14:42	08/01/11 20:20	1
Endrin	0.10	U *	0.10	0.0098	ug/L		07/28/11 14:42	08/01/11 20:20	1
Endrin aldehyde	0.10	U	0.10	0.016	ug/L		07/28/11 14:42	08/01/11 20:20	1
Endrin ketone	0.10	U	0.10	0.0085	ug/L		07/28/11 14:42	08/01/11 20:20	1
gamma-BHC (Lindane)	0.30		0.051	0.0060	ug/L		07/28/11 14:42	08/01/11 20:20	1
Heptachlor	0.051	U	0.051	0.0071	ug/L		07/28/11 14:42	08/01/11 20:20	1
Heptachlor epoxide	0.051	U	0.051	0.0061	ug/L		07/28/11 14:42	08/01/11 20:20	1
Isodrin	0.051	U	0.051	0.051	ug/L		07/28/11 14:42	08/01/11 20:20	1
Kepone	1.0	U	1.0	1.0	ug/L		07/28/11 14:42	08/01/11 20:20	1
Methoxychlor	0.10	U	0.10	0.013	ug/L		07/28/11 14:42	08/01/11 20:20	1
Toxaphene	5.1	U	5.1	0.51	ug/L		07/28/11 14:42	08/01/11 20:20	1
PCB-1016	1.0	U	1.0	0.072	ug/L		07/28/11 14:42	08/01/11 20:20	1
PCB-1221	2.0	U	2.0	0.28	ug/L		07/28/11 14:42	08/01/11 20:20	1
PCB-1232	1.0	U	1.0	0.11	ug/L		07/28/11 14:42	08/01/11 20:20	1
PCB-1242	1.0	U	1.0	0.18	ug/L		07/28/11 14:42	08/01/11 20:20	1
PCB-1248	1.0	U	1.0	0.36	ug/L		07/28/11 14:42	08/01/11 20:20	1
PCB-1254	1.0	U	1.0	0.26	ug/L		07/28/11 14:42	08/01/11 20:20	1
PCB-1260	1.0	U	1.0	0.20	ug/L		07/28/11 14:42	08/01/11 20:20	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	41		36 - 130	07/28/11 14:42	08/01/11 20:20	1
Tetrachloro-m-xylene	55		36 - 130	07/28/11 14:42	08/01/11 20:20	1
DCB Decachlorobiphenyl	11	X	40 - 130	07/28/11 14:42	08/01/11 20:20	1
DCB Decachlorobiphenyl	5	p X	40 - 130	07/28/11 14:42	08/01/11 20:20	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.51	U	0.51	0.038	ug/L		07/28/11 08:04	07/29/11 18:37	1
Silvex (2,4,5-TP)	0.51	U	0.51	0.063	ug/L		07/28/11 08:04	07/29/11 18:37	1
2,4,5-T	0.51	U	0.51	0.063	ug/L		07/28/11 08:04	07/29/11 18:37	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	395	X	52 - 151	07/28/11 08:04	07/29/11 18:37	1
DCAA	106	p	52 - 151	07/28/11 08:04	07/29/11 18:37	1

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		11	0.30	1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
1,2,3,7,8-PeCDD	ND		53	0.62	1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
1,2,3,4,7,8-HxCDD	ND		53	0.23	0.1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
1,2,3,6,7,8-HxCDD	ND		53	0.20	0.1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
1,2,3,7,8,9-HxCDD	ND		53	0.20	0.1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
1,2,3,4,6,7,8-HpCDD	ND		53	1.4	0.01		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
OCDD	ND		110	32	0.0003		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
2,3,7,8-TCDF	ND		14	14	0.1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
1,2,3,7,8-PeCDF	ND		53	0.93	0.03		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
2,3,4,7,8-PeCDF	ND		53	1.0	0.3		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
1,2,3,4,7,8-HxCDF	ND		53	0.18	0.1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW08-072611

Lab Sample ID: 680-70758-1

Date Collected: 07/26/11 09:25

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290) (Continued)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,6,7,8-HxCDF	ND		53	0.17	0.1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
2,3,4,6,7,8-HxCDF	ND		53	0.18	0.1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
1,2,3,7,8,9-HxCDF	ND		53	0.20	0.1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
1,2,3,4,6,7,8-HpCDF	ND		53	0.74	0.01		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
1,2,3,4,7,8,9-HpCDF	ND		53	0.57	0.01		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
OCDF	ND		110	0.30	0.0003		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
2,3,7,8-TCDD	ND		11	0.30	1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
Total HxCDD	ND		53	0.37			pg/L		07/28/11 09:00	07/30/11 10:39	1.05
Total HxCDF	ND		53	0.28			pg/L		07/28/11 09:00	07/30/11 10:39	1.05
Total PeCDD	ND		53	1.0			pg/L		07/28/11 09:00	07/30/11 10:39	1.05
Total PeCDF	ND		53	6.0			pg/L		07/28/11 09:00	07/30/11 10:39	1.05
Total TCDD	ND		11	0.31			pg/L		07/28/11 09:00	07/30/11 10:39	1.05
Total TCDF	60		14	14			pg/L		07/28/11 09:00	07/30/11 10:39	1.05
Total TEQ (WHO 2005)						0.00					

Internal Standard	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	76		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-2,3,7,8-TCDD	76		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-1,2,3,7,8-PeCDD	74		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-1,2,3,7,8-PeCDD	74		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-1,2,3,6,7,8-HxCDD	80		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-1,2,3,6,7,8-HxCDD	80		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-1,2,3,4,6,7,8-HpCDD	69		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-OCDD	77		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-2,3,7,8-TCDF	82		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-2,3,7,8-TCDF	82		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-1,2,3,7,8-PeCDF	78		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-1,2,3,7,8-PeCDF	78		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-1,2,3,4,7,8-HxCDF	77		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-1,2,3,4,7,8-HxCDF	77		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-1,2,3,4,6,7,8-HpCDF	73		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.0	U	5.0	2.0	ug/L		08/01/11 08:48	08/06/11 22:18	1
Arsenic	42		2.5	1.3	ug/L		08/01/11 08:48	08/06/11 22:18	1
Barium	260		5.0	1.4	ug/L		08/01/11 08:48	08/06/11 22:18	1
Beryllium	0.50	U	0.50	0.15	ug/L		08/01/11 08:48	08/06/11 22:18	1
Cadmium	0.50	U	0.50	0.13	ug/L		08/01/11 08:48	08/06/11 22:18	1
Chromium	5.0	U	5.0	2.5	ug/L		08/01/11 08:48	08/06/11 22:18	1
Cobalt	0.37	J	0.50	0.12	ug/L		08/01/11 08:48	08/06/11 22:18	1
Copper	1.5	J	5.0	1.1	ug/L		08/01/11 08:48	08/06/11 22:18	1
Lead	1.5	U	1.5	0.50	ug/L		08/01/11 08:48	08/06/11 22:18	1
Nickel	5.0	U	5.0	2.0	ug/L		08/01/11 08:48	08/06/11 22:18	1
Selenium	2.5	U	2.5	1.1	ug/L		08/01/11 08:48	08/06/11 22:18	1
Silver	1.0	U	1.0	0.18	ug/L		08/01/11 08:48	08/06/11 22:18	1
Thallium	1.0	U	1.0	0.25	ug/L		08/01/11 08:48	08/06/11 22:18	1
Tin	5.0	U	5.0	1.4	ug/L		08/01/11 08:48	08/06/11 22:18	1
Vanadium	10	U	10	3.2	ug/L		08/01/11 08:48	08/06/11 22:18	1
Zinc	20	U	20	8.4	ug/L		08/01/11 08:48	08/06/11 22:18	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW08-072611

Lab Sample ID: 680-70758-1

Date Collected: 07/26/11 09:25

Matrix: Water

Date Received: 07/27/11 09:20

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		08/02/11 09:42	08/02/11 16:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		08/01/11 07:51	08/02/11 06:47	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	5.0		1.0	1.0	mg/L			07/27/11 14:10	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-DUP-072611

Lab Sample ID: 680-70758-2

Date Collected: 07/26/11 00:00

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1300	U	1300	250	ug/L			07/30/11 21:03	50
Acetonitrile	2000	U	2000	500	ug/L			07/30/11 21:03	50
Acrolein	1000	U	1000	370	ug/L			07/30/11 21:03	50
Acrylonitrile	1000	U	1000	360	ug/L			07/30/11 21:03	50
Benzene	5100		50	13	ug/L			07/30/11 21:03	50
Dichlorobromomethane	50	U	50	13	ug/L			07/30/11 21:03	50
Bromoform	50	U *	50	25	ug/L			07/30/11 21:03	50
Bromomethane	50	U	50	40	ug/L			07/30/11 21:03	50
2-Butanone (MEK)	500	U	500	50	ug/L			07/30/11 21:03	50
Carbon disulfide	100	U	100	30	ug/L			07/30/11 21:03	50
Carbon tetrachloride	2700	*	50	25	ug/L			07/30/11 21:03	50
Chlorobenzene	240		50	13	ug/L			07/30/11 21:03	50
2-Chloro-1,3-butadiene	50	U	50	15	ug/L			07/30/11 21:03	50
Chloroethane	50	U	50	50	ug/L			07/30/11 21:03	50
Chloroform	640		50	7.0	ug/L			07/30/11 21:03	50
Chloromethane	50	U	50	17	ug/L			07/30/11 21:03	50
3-Chloro-1-propene	50	U	50	10	ug/L			07/30/11 21:03	50
Chlorodibromomethane	50	U *	50	5.0	ug/L			07/30/11 21:03	50
1,2-Dibromo-3-Chloropropane	50	U	50	22	ug/L			07/30/11 21:03	50
Ethylene Dibromide	50	U	50	13	ug/L			07/30/11 21:03	50
Dibromomethane	50	U	50	10	ug/L			07/30/11 21:03	50
trans-1,4-Dichloro-2-butene	100	U	100	25	ug/L			07/30/11 21:03	50
Dichlorodifluoromethane	50	U	50	13	ug/L			07/30/11 21:03	50
1,1-Dichloroethane	50	U	50	13	ug/L			07/30/11 21:03	50
1,2-Dichloroethane	50	U	50	5.0	ug/L			07/30/11 21:03	50
cis-1,2-Dichloroethene	10	J	50	7.5	ug/L			07/30/11 21:03	50
trans-1,2-Dichloroethene	50	U	50	10	ug/L			07/30/11 21:03	50
1,1-Dichloroethene	50	U	50	5.5	ug/L			07/30/11 21:03	50
1,2-Dichloropropane	50	U	50	6.5	ug/L			07/30/11 21:03	50
cis-1,3-Dichloropropene	50	U	50	5.5	ug/L			07/30/11 21:03	50
trans-1,3-Dichloropropene	50	U	50	11	ug/L			07/30/11 21:03	50
Ethylbenzene	61		50	5.5	ug/L			07/30/11 21:03	50
Ethyl methacrylate	50	U	50	13	ug/L			07/30/11 21:03	50
2-Hexanone	500	U	500	50	ug/L			07/30/11 21:03	50
Iodomethane	250	U	250	50	ug/L			07/30/11 21:03	50
Isobutyl alcohol	2000	U	2000	550	ug/L			07/30/11 21:03	50
Methacrylonitrile	1000	U	1000	170	ug/L			07/30/11 21:03	50
Methylene Chloride	350		250	50	ug/L			07/30/11 21:03	50
Methyl methacrylate	50	U	50	24	ug/L			07/30/11 21:03	50
4-Methyl-2-pentanone (MIBK)	500	U	500	50	ug/L			07/30/11 21:03	50
Pentachloroethane	250	U	250	60	ug/L			07/30/11 21:03	50
Propionitrile	1000	U	1000	230	ug/L			07/30/11 21:03	50
Styrene	50	U	50	5.5	ug/L			07/30/11 21:03	50
1,1,1,2-Tetrachloroethane	50	U	50	17	ug/L			07/30/11 21:03	50
1,1,2,2-Tetrachloroethane	50	U	50	9.0	ug/L			07/30/11 21:03	50
Tetrachloroethene	50	U	50	7.5	ug/L			07/30/11 21:03	50
Toluene	35	J	50	17	ug/L			07/30/11 21:03	50
1,1,1-Trichloroethane	50	U	50	25	ug/L			07/30/11 21:03	50
1,1,2-Trichloroethane	50	U	50	6.5	ug/L			07/30/11 21:03	50
Trichloroethene	50	U	50	6.5	ug/L			07/30/11 21:03	50

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-DUP-072611

Lab Sample ID: 680-70758-2

Date Collected: 07/26/11 00:00

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	50	U	50	13	ug/L			07/30/11 21:03	50
1,2,3-Trichloropropane	50	U	50	21	ug/L			07/30/11 21:03	50
Vinyl acetate	100	U	100	14	ug/L			07/30/11 21:03	50
Vinyl chloride	50	U	50	9.0	ug/L			07/30/11 21:03	50
Xylenes, Total	90	J	100	10	ug/L			07/30/11 21:03	50

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		70 - 130		07/30/11 21:03	50
Dibromofluoromethane	103		70 - 130		07/30/11 21:03	50
Toluene-d8 (Surr)	104		70 - 130		07/30/11 21:03	50

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	510	U	510	38	ug/L		07/28/11 14:42	08/03/11 13:21	50
Acenaphthylene	510	U	510	43	ug/L		07/28/11 14:42	08/03/11 13:21	50
Acetophenone	510	U	510	29	ug/L		07/28/11 14:42	08/03/11 13:21	50
2-Acetylaminofluorene	510	U	510	81	ug/L		07/28/11 14:42	08/03/11 13:21	50
alpha,alpha-Dimethyl phenethylamine	100000	U	100000	1800	ug/L		07/28/11 14:42	08/03/11 13:21	50
4-Aminobiphenyl	510	U	510	61	ug/L		07/28/11 14:42	08/03/11 13:21	50
Aniline	1000	U	1000	110	ug/L		07/28/11 14:42	08/03/11 13:21	50
Anthracene	510	U	510	35	ug/L		07/28/11 14:42	08/03/11 13:21	50
Aramite, Total	510	U	510	46	ug/L		07/28/11 14:42	08/03/11 13:21	50
Benzo[a]anthracene	510	U	510	28	ug/L		07/28/11 14:42	08/03/11 13:21	50
Benzo[a]pyrene	510	U	510	36	ug/L		07/28/11 14:42	08/03/11 13:21	50
Benzo[b]fluoranthene	510	U	510	130	ug/L		07/28/11 14:42	08/03/11 13:21	50
Benzo[g,h,i]perylene	510	U	510	44	ug/L		07/28/11 14:42	08/03/11 13:21	50
Benzo[k]fluoranthene	510	U	510	61	ug/L		07/28/11 14:42	08/03/11 13:21	50
Benzyl alcohol	510	U	510	56	ug/L		07/28/11 14:42	08/03/11 13:21	50
1,1'-Biphenyl	510	U	510	29	ug/L		07/28/11 14:42	08/03/11 13:21	50
Bis(2-chloroethoxy)methane	510	U	510	47	ug/L		07/28/11 14:42	08/03/11 13:21	50
Bis(2-chloroethyl)ether	510	U	510	56	ug/L		07/28/11 14:42	08/03/11 13:21	50
bis(chloroisopropyl) ether	510	U	510	39	ug/L		07/28/11 14:42	08/03/11 13:21	50
Bis(2-ethylhexyl) phthalate	510	U	510	81	ug/L		07/28/11 14:42	08/03/11 13:21	50
4-Bromophenyl phenyl ether	510	U	510	39	ug/L		07/28/11 14:42	08/03/11 13:21	50
Butyl benzyl phthalate	510	U	510	61	ug/L		07/28/11 14:42	08/03/11 13:21	50
4-Chloroaniline	1000	U	1000	110	ug/L		07/28/11 14:42	08/03/11 13:21	50
4-Chloro-3-methylphenol	510	U	510	51	ug/L		07/28/11 14:42	08/03/11 13:21	50
2-Chloronaphthalene	510	U	510	40	ug/L		07/28/11 14:42	08/03/11 13:21	50
2-Chlorophenol	510	U	510	44	ug/L		07/28/11 14:42	08/03/11 13:21	50
4-Chlorophenyl phenyl ether	510	U	510	42	ug/L		07/28/11 14:42	08/03/11 13:21	50
Chrysene	510	U	510	26	ug/L		07/28/11 14:42	08/03/11 13:21	50
Diallylate	510	U	510	39	ug/L		07/28/11 14:42	08/03/11 13:21	50
Dibenz(a,h)anthracene	510	U	510	51	ug/L		07/28/11 14:42	08/03/11 13:21	50
Dibenzofuran	510	U	510	40	ug/L		07/28/11 14:42	08/03/11 13:21	50
1,2-Dichlorobenzene	510	U	510	27	ug/L		07/28/11 14:42	08/03/11 13:21	50
1,3-Dichlorobenzene	510	U	510	30	ug/L		07/28/11 14:42	08/03/11 13:21	50
1,4-Dichlorobenzene	510	U	510	27	ug/L		07/28/11 14:42	08/03/11 13:21	50
3,3'-Dichlorobenzidine	3000	U	3000	1500	ug/L		07/28/11 14:42	08/03/11 13:21	50
2,4-Dichlorophenol	510	U	510	56	ug/L		07/28/11 14:42	08/03/11 13:21	50
2,6-Dichlorophenol	510	U	510	37	ug/L		07/28/11 14:42	08/03/11 13:21	50
Diethyl phthalate	510	U	510	44	ug/L		07/28/11 14:42	08/03/11 13:21	50

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-DUP-072611

Lab Sample ID: 680-70758-2

Date Collected: 07/26/11 00:00

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	510	U *	510	38	ug/L		07/28/11 14:42	08/03/11 13:21	50
7,12-Dimethylbenz(a)anthracene	510	U	510	61	ug/L		07/28/11 14:42	08/03/11 13:21	50
3,3'-Dimethylbenzidine	1000	U	1000	510	ug/L		07/28/11 14:42	08/03/11 13:21	50
2,4-Dimethylphenol	510	U	510	200	ug/L		07/28/11 14:42	08/03/11 13:21	50
Dimethyl phthalate	510	U	510	50	ug/L		07/28/11 14:42	08/03/11 13:21	50
Di-n-butyl phthalate	510	U	510	42	ug/L		07/28/11 14:42	08/03/11 13:21	50
1,3-Dinitrobenzene	510	U	510	30	ug/L		07/28/11 14:42	08/03/11 13:21	50
4,6-Dinitro-2-methylphenol	2500	U	2500	510	ug/L		07/28/11 14:42	08/03/11 13:21	50
2,4-Dinitrophenol	2500	U	2500	510	ug/L		07/28/11 14:42	08/03/11 13:21	50
2,4-Dinitrotoluene	510	U	510	61	ug/L		07/28/11 14:42	08/03/11 13:21	50
2,6-Dinitrotoluene	510	U	510	56	ug/L		07/28/11 14:42	08/03/11 13:21	50
Di-n-octyl phthalate	510	U	510	71	ug/L		07/28/11 14:42	08/03/11 13:21	50
Dinoseb	510	U	510	250	ug/L		07/28/11 14:42	08/03/11 13:21	50
1,4-Dioxane	9400		510	170	ug/L		07/28/11 14:42	08/03/11 13:21	50
Disulfoton	510	U *	510	40	ug/L		07/28/11 14:42	08/03/11 13:21	50
Ethyl methanesulfonate	510	U	510	49	ug/L		07/28/11 14:42	08/03/11 13:21	50
Ethyl Parathion	510	U	510	66	ug/L		07/28/11 14:42	08/03/11 13:21	50
Famphur	510	U *	510	56	ug/L		07/28/11 14:42	08/03/11 13:21	50
Fluoranthene	510	U	510	37	ug/L		07/28/11 14:42	08/03/11 13:21	50
Fluorene	510	U	510	49	ug/L		07/28/11 14:42	08/03/11 13:21	50
Hexachlorobenzene	510	U	510	40	ug/L		07/28/11 14:42	08/03/11 13:21	50
Hexachlorobutadiene	510	U	510	31	ug/L		07/28/11 14:42	08/03/11 13:21	50
Hexachlorocyclopentadiene	510	U	510	130	ug/L		07/28/11 14:42	08/03/11 13:21	50
Hexachloroethane	510	U	510	38	ug/L		07/28/11 14:42	08/03/11 13:21	50
Hexachlorophene	250000	U	250000	1400	ug/L		07/28/11 14:42	08/03/11 13:21	50
Hexachloropropene	510	U	510	71	ug/L		07/28/11 14:42	08/03/11 13:21	50
Indeno[1,2,3-cd]pyrene	510	U	510	51	ug/L		07/28/11 14:42	08/03/11 13:21	50
Isophorone	510	U	510	45	ug/L		07/28/11 14:42	08/03/11 13:21	50
Isosafrole	510	U	510	25	ug/L		07/28/11 14:42	08/03/11 13:21	50
Methapyrilene	100000	U	100000	140	ug/L		07/28/11 14:42	08/03/11 13:21	50
3-Methylcholanthrene	510	U	510	71	ug/L		07/28/11 14:42	08/03/11 13:21	50
Methyl methanesulfonate	510	U	510	30	ug/L		07/28/11 14:42	08/03/11 13:21	50
2-Methylnaphthalene	510	U	510	39	ug/L		07/28/11 14:42	08/03/11 13:21	50
Methyl parathion	510	U *	510	44	ug/L		07/28/11 14:42	08/03/11 13:21	50
2-Methylphenol	510	U	510	45	ug/L		07/28/11 14:42	08/03/11 13:21	50
3 & 4 Methylphenol	510	U	510	66	ug/L		07/28/11 14:42	08/03/11 13:21	50
Naphthalene	510	U	510	35	ug/L		07/28/11 14:42	08/03/11 13:21	50
1,4-Naphthoquinone	510	U	510	31	ug/L		07/28/11 14:42	08/03/11 13:21	50
1-Naphthylamine	510	U	510	56	ug/L		07/28/11 14:42	08/03/11 13:21	50
2-Naphthylamine	510	U	510	76	ug/L		07/28/11 14:42	08/03/11 13:21	50
2-Nitroaniline	2500	U	2500	66	ug/L		07/28/11 14:42	08/03/11 13:21	50
3-Nitroaniline	2500	U	2500	250	ug/L		07/28/11 14:42	08/03/11 13:21	50
4-Nitroaniline	2500	U	2500	250	ug/L		07/28/11 14:42	08/03/11 13:21	50
Nitrobenzene	510	U	510	37	ug/L		07/28/11 14:42	08/03/11 13:21	50
2-Nitrophenol	510	U	510	38	ug/L		07/28/11 14:42	08/03/11 13:21	50
4-Nitrophenol	2500	U	2500	96	ug/L		07/28/11 14:42	08/03/11 13:21	50
4-Nitroquinoline-1-oxide	1000	U	1000	510	ug/L		07/28/11 14:42	08/03/11 13:21	50
N-Nitro-o-toluidine	510	U	510	76	ug/L		07/28/11 14:42	08/03/11 13:21	50
N-Nitrosodiethylamine	510	U	510	47	ug/L		07/28/11 14:42	08/03/11 13:21	50
N-Nitrosodimethylamine	510	U	510	140	ug/L		07/28/11 14:42	08/03/11 13:21	50

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-DUP-072611

Lab Sample ID: 680-70758-2

Date Collected: 07/26/11 00:00

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-butylamine	510	U	510	49	ug/L		07/28/11 14:42	08/03/11 13:21	50
N-Nitrosodi-n-propylamine	510	U	510	36	ug/L		07/28/11 14:42	08/03/11 13:21	50
N-Nitrosodiphenylamine	510	U	510	46	ug/L		07/28/11 14:42	08/03/11 13:21	50
N-Nitrosomethylethylamine	510	U	510	170	ug/L		07/28/11 14:42	08/03/11 13:21	50
N-Nitrosomorpholine	510	U	510	42	ug/L		07/28/11 14:42	08/03/11 13:21	50
N-Nitrosopiperidine	510	U	510	44	ug/L		07/28/11 14:42	08/03/11 13:21	50
N-Nitrosopyrrolidine	510	U	510	51	ug/L		07/28/11 14:42	08/03/11 13:21	50
o,o',o"-Triethylphosphorothioate	3300		510	51	ug/L		07/28/11 14:42	08/03/11 13:21	50
p-Dimethylamino azobenzene	510	U	510	40	ug/L		07/28/11 14:42	08/03/11 13:21	50
Pentachlorobenzene	510	U	510	26	ug/L		07/28/11 14:42	08/03/11 13:21	50
Pentachloronitrobenzene	510	U	510	39	ug/L		07/28/11 14:42	08/03/11 13:21	50
Pentachlorophenol	2500	U	2500	100	ug/L		07/28/11 14:42	08/03/11 13:21	50
Phenacetin	510	U	510	71	ug/L		07/28/11 14:42	08/03/11 13:21	50
Phenanthrene	510	U	510	39	ug/L		07/28/11 14:42	08/03/11 13:21	50
Phenol	510	U	510	42	ug/L		07/28/11 14:42	08/03/11 13:21	50
Phorate	510	U	510	44	ug/L		07/28/11 14:42	08/03/11 13:21	50
2-Picoline	510	U	510	71	ug/L		07/28/11 14:42	08/03/11 13:21	50
p-Phenylene diamine	100000	U	100000	510	ug/L		07/28/11 14:42	08/03/11 13:21	50
Pronamide	510	U	510	45	ug/L		07/28/11 14:42	08/03/11 13:21	50
Pyrene	510	U	510	32	ug/L		07/28/11 14:42	08/03/11 13:21	50
Pyridine	2500	U	2500	120	ug/L		07/28/11 14:42	08/03/11 13:21	50
Safrole, Total	510	U	510	40	ug/L		07/28/11 14:42	08/03/11 13:21	50
Sulfotepp	510	U	510	27	ug/L		07/28/11 14:42	08/03/11 13:21	50
1,2,4,5-Tetrachlorobenzene	510	U	510	38	ug/L		07/28/11 14:42	08/03/11 13:21	50
2,3,4,6-Tetrachlorophenol	510	U	510	36	ug/L		07/28/11 14:42	08/03/11 13:21	50
Thionazin	510	U	510	46	ug/L		07/28/11 14:42	08/03/11 13:21	50
2-Toluidine	510	U	510	71	ug/L		07/28/11 14:42	08/03/11 13:21	50
1,2,4-Trichlorobenzene	510	U	510	28	ug/L		07/28/11 14:42	08/03/11 13:21	50
2,4,5-Trichlorophenol	510	U	510	61	ug/L		07/28/11 14:42	08/03/11 13:21	50
2,4,6-Trichlorophenol	510	U	510	43	ug/L		07/28/11 14:42	08/03/11 13:21	50
1,3,5-Trinitrobenzene	510	U	510	100	ug/L		07/28/11 14:42	08/03/11 13:21	50

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	0	D	38 - 130	07/28/11 14:42	08/03/11 13:21	50
2-Fluorophenol	0	D	25 - 130	07/28/11 14:42	08/03/11 13:21	50
Nitrobenzene-d5	0	D	39 - 130	07/28/11 14:42	08/03/11 13:21	50
Phenol-d5	0	D	25 - 130	07/28/11 14:42	08/03/11 13:21	50
Terphenyl-d14	0	D	10 - 143	07/28/11 14:42	08/03/11 13:21	50
2,4,6-Tribromophenol	0	D	31 - 141	07/28/11 14:42	08/03/11 13:21	50

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.049	U	0.049	0.0069	ug/L		07/28/11 14:42	08/01/11 20:39	1
alpha-BHC	0.75		0.049	0.0056	ug/L		07/28/11 14:42	08/01/11 20:39	1
beta-BHC	0.049	U *	0.049	0.0066	ug/L		07/28/11 14:42	08/01/11 20:39	1
Chlordane (technical)	0.49	U	0.49	0.098	ug/L		07/28/11 14:42	08/01/11 20:39	1
Chlorobenzilate	0.49	U	0.49	0.49	ug/L		07/28/11 14:42	08/01/11 20:39	1
4,4'-DDD	0.098	U	0.098	0.0064	ug/L		07/28/11 14:42	08/01/11 20:39	1
4,4'-DDE	0.098	U	0.098	0.0076	ug/L		07/28/11 14:42	08/01/11 20:39	1
4,4'-DDT	0.098	U	0.098	0.0095	ug/L		07/28/11 14:42	08/01/11 20:39	1
delta-BHC	0.049	U	0.049	0.0047	ug/L		07/28/11 14:42	08/01/11 20:39	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-DUP-072611

Lab Sample ID: 680-70758-2

Date Collected: 07/26/11 00:00

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	0.098	U	0.098	0.0090	ug/L		07/28/11 14:42	08/01/11 20:39	1
Endosulfan I	0.049	U	0.049	0.0041	ug/L		07/28/11 14:42	08/01/11 20:39	1
Endosulfan II	0.098	U	0.098	0.0096	ug/L		07/28/11 14:42	08/01/11 20:39	1
Endosulfan sulfate	0.098	U	0.098	0.0067	ug/L		07/28/11 14:42	08/01/11 20:39	1
Endrin	0.098	U *	0.098	0.0095	ug/L		07/28/11 14:42	08/01/11 20:39	1
Endrin aldehyde	0.098	U	0.098	0.016	ug/L		07/28/11 14:42	08/01/11 20:39	1
Endrin ketone	0.098	U	0.098	0.0083	ug/L		07/28/11 14:42	08/01/11 20:39	1
gamma-BHC (Lindane)	0.45		0.049	0.0058	ug/L		07/28/11 14:42	08/01/11 20:39	1
Heptachlor	0.049	U	0.049	0.0069	ug/L		07/28/11 14:42	08/01/11 20:39	1
Heptachlor epoxide	0.049	U	0.049	0.0059	ug/L		07/28/11 14:42	08/01/11 20:39	1
Isodrin	0.049	U	0.049	0.049	ug/L		07/28/11 14:42	08/01/11 20:39	1
Kepone	0.98	U	0.98	0.98	ug/L		07/28/11 14:42	08/01/11 20:39	1
Methoxychlor	0.098	U	0.098	0.013	ug/L		07/28/11 14:42	08/01/11 20:39	1
Toxaphene	4.9	U	4.9	0.49	ug/L		07/28/11 14:42	08/01/11 20:39	1
PCB-1016	0.98	U	0.98	0.070	ug/L		07/28/11 14:42	08/01/11 20:39	1
PCB-1221	2.0	U	2.0	0.28	ug/L		07/28/11 14:42	08/01/11 20:39	1
PCB-1232	0.98	U	0.98	0.11	ug/L		07/28/11 14:42	08/01/11 20:39	1
PCB-1242	0.98	U	0.98	0.18	ug/L		07/28/11 14:42	08/01/11 20:39	1
PCB-1248	0.98	U	0.98	0.35	ug/L		07/28/11 14:42	08/01/11 20:39	1
PCB-1254	0.98	U	0.98	0.26	ug/L		07/28/11 14:42	08/01/11 20:39	1
PCB-1260	0.98	U	0.98	0.20	ug/L		07/28/11 14:42	08/01/11 20:39	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	44		36 - 130	07/28/11 14:42	08/01/11 20:39	1
Tetrachloro-m-xylene	35	X	36 - 130	07/28/11 14:42	08/01/11 20:39	1
DCB Decachlorobiphenyl	14	X	40 - 130	07/28/11 14:42	08/01/11 20:39	1
DCB Decachlorobiphenyl	2	p X	40 - 130	07/28/11 14:42	08/01/11 20:39	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.50	U	0.50	0.037	ug/L		07/28/11 08:04	07/29/11 18:53	1
Silvex (2,4,5-TP)	0.50	U	0.50	0.062	ug/L		07/28/11 08:04	07/29/11 18:53	1
2,4,5-T	0.50	U	0.50	0.062	ug/L		07/28/11 08:04	07/29/11 18:53	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	409	X	52 - 151	07/28/11 08:04	07/29/11 18:53	1
DCAA	92	p	52 - 151	07/28/11 08:04	07/29/11 18:53	1

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		10	0.39	1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
1,2,3,7,8-PeCDD	ND		51	0.49	1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
1,2,3,4,7,8-HxCDD	ND		51	0.26	0.1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
1,2,3,6,7,8-HxCDD	ND		51	0.23	0.1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
1,2,3,7,8,9-HxCDD	ND		51	0.33	0.1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
1,2,3,4,6,7,8-HpCDD	ND		51	1.5	0.01		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
OCDD	ND		100	31	0.0003		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
2,3,7,8-TCDF	ND		10	6.0	0.1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
1,2,3,7,8-PeCDF	ND		51	0.55	0.03		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
2,3,4,7,8-PeCDF	ND		51	0.61	0.3		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
1,2,3,4,7,8-HxCDF	ND		51	0.11	0.1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-DUP-072611

Lab Sample ID: 680-70758-2

Date Collected: 07/26/11 00:00

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290) (Continued)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,6,7,8-HxCDF	ND		51	0.11	0.1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
2,3,4,6,7,8-HxCDF	ND		51	0.11	0.1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
1,2,3,7,8,9-HxCDF	ND		51	0.13	0.1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
1,2,3,4,6,7,8-HpCDF	ND		51	0.22	0.01		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
1,2,3,4,7,8,9-HpCDF	ND		51	0.17	0.01		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
OCDF	ND		100	0.46	0.0003		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
2,3,7,8-TCDD	ND		10	0.39	1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
Total HxCDD	ND		51	0.56			pg/L		07/28/11 09:00	07/30/11 11:24	1.01
Total HxCDF	ND		51	0.15			pg/L		07/28/11 09:00	07/30/11 11:24	1.01
Total PeCDD	ND		51	0.49			pg/L		07/28/11 09:00	07/30/11 11:24	1.01
Total PeCDF	ND		51	8.0			pg/L		07/28/11 09:00	07/30/11 11:24	1.01
Total TCDD	ND		10	0.57			pg/L		07/28/11 09:00	07/30/11 11:24	1.01
Total TCDF	66		10	6.0			pg/L		07/28/11 09:00	07/30/11 11:24	1.01
Total TEQ (WHO 2005)							0.00				

Internal Standard	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	79		40 - 135	07/28/11 09:00	07/30/11 11:24	1.01
13C-2,3,7,8-TCDD	79		40 - 135	07/28/11 09:00	07/30/11 11:24	1.01
13C-1,2,3,7,8-PeCDD	75		40 - 135	07/28/11 09:00	07/30/11 11:24	1.01
13C-1,2,3,7,8-PeCDD	75		40 - 135	07/28/11 09:00	07/30/11 11:24	1.01
13C-1,2,3,6,7,8-HxCDD	85		40 - 135	07/28/11 09:00	07/30/11 11:24	1.01
13C-1,2,3,6,7,8-HxCDD	85		40 - 135	07/28/11 09:00	07/30/11 11:24	1.01
13C-1,2,3,4,6,7,8-HpCDD	69		40 - 135	07/28/11 09:00	07/30/11 11:24	1.01
13C-OCDD	74		40 - 135	07/28/11 09:00	07/30/11 11:24	1.01
13C-2,3,7,8-TCDF	86		40 - 135	07/28/11 09:00	07/30/11 11:24	1.01
13C-2,3,7,8-TCDF	86		40 - 135	07/28/11 09:00	07/30/11 11:24	1.01
13C-1,2,3,7,8-PeCDF	79		40 - 135	07/28/11 09:00	07/30/11 11:24	1.01
13C-1,2,3,7,8-PeCDF	79		40 - 135	07/28/11 09:00	07/30/11 11:24	1.01
13C-1,2,3,4,7,8-HxCDF	81		40 - 135	07/28/11 09:00	07/30/11 11:24	1.01
13C-1,2,3,4,7,8-HxCDF	81		40 - 135	07/28/11 09:00	07/30/11 11:24	1.01
13C-1,2,3,4,6,7,8-HpCDF	74		40 - 135	07/28/11 09:00	07/30/11 11:24	1.01

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.0	U	5.0	2.0	ug/L		08/01/11 08:48	08/06/11 22:51	1
Arsenic	44		2.5	1.3	ug/L		08/01/11 08:48	08/06/11 22:51	1
Barium	260		5.0	1.4	ug/L		08/01/11 08:48	08/06/11 22:51	1
Beryllium	0.50	U	0.50	0.15	ug/L		08/01/11 08:48	08/06/11 22:51	1
Cadmium	0.50	U	0.50	0.13	ug/L		08/01/11 08:48	08/06/11 22:51	1
Chromium	5.0	U	5.0	2.5	ug/L		08/01/11 08:48	08/06/11 22:51	1
Cobalt	0.37	J	0.50	0.12	ug/L		08/01/11 08:48	08/06/11 22:51	1
Copper	5.0	U	5.0	1.1	ug/L		08/01/11 08:48	08/06/11 22:51	1
Lead	1.5	U	1.5	0.50	ug/L		08/01/11 08:48	08/06/11 22:51	1
Nickel	5.0	U	5.0	2.0	ug/L		08/01/11 08:48	08/06/11 22:51	1
Selenium	1.1	J	2.5	1.1	ug/L		08/01/11 08:48	08/06/11 22:51	1
Silver	1.0	U	1.0	0.18	ug/L		08/01/11 08:48	08/06/11 22:51	1
Thallium	1.0	U	1.0	0.25	ug/L		08/01/11 08:48	08/06/11 22:51	1
Tin	5.0	U	5.0	1.4	ug/L		08/01/11 08:48	08/06/11 22:51	1
Vanadium	10	U	10	3.2	ug/L		08/01/11 08:48	08/06/11 22:51	1
Zinc	20	U	20	8.4	ug/L		08/01/11 08:48	08/06/11 22:51	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-DUP-072611

Lab Sample ID: 680-70758-2

Date Collected: 07/26/11 00:00

Matrix: Water

Date Received: 07/27/11 09:20

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		08/02/11 09:42	08/02/11 16:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		08/01/11 07:51	08/02/11 06:48	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	17		1.0	1.0	mg/L			07/27/11 14:10	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-RSI-072611

Lab Sample ID: 680-70758-3

Date Collected: 07/26/11 08:57

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25	5.0	ug/L			07/29/11 19:04	1
Acetonitrile	40	U	40	10	ug/L			07/29/11 19:04	1
Acrolein	20	U	20	7.4	ug/L			07/29/11 19:04	1
Acrylonitrile	20	U	20	7.2	ug/L			07/29/11 19:04	1
Benzene	1.0	U	1.0	0.25	ug/L			07/29/11 19:04	1
Dichlorobromomethane	1.0	U	1.0	0.25	ug/L			07/29/11 19:04	1
Bromoform	1.0	U *	1.0	0.50	ug/L			07/29/11 19:04	1
Bromomethane	1.0	U	1.0	0.80	ug/L			07/29/11 19:04	1
2-Butanone (MEK)	10	U	10	1.0	ug/L			07/29/11 19:04	1
Carbon disulfide	2.0	U	2.0	0.60	ug/L			07/29/11 19:04	1
Carbon tetrachloride	1.0	U	1.0	0.50	ug/L			07/29/11 19:04	1
Chlorobenzene	1.0	U	1.0	0.25	ug/L			07/29/11 19:04	1
2-Chloro-1,3-butadiene	1.0	U	1.0	0.30	ug/L			07/29/11 19:04	1
Chloroethane	1.0	U	1.0	1.0	ug/L			07/29/11 19:04	1
Chloroform	1.0	U	1.0	0.14	ug/L			07/29/11 19:04	1
Chloromethane	1.0	U	1.0	0.33	ug/L			07/29/11 19:04	1
3-Chloro-1-propene	1.0	U	1.0	0.20	ug/L			07/29/11 19:04	1
Chlorodibromomethane	1.0	U	1.0	0.10	ug/L			07/29/11 19:04	1
1,2-Dibromo-3-Chloropropane	1.0	U *	1.0	0.44	ug/L			07/29/11 19:04	1
Ethylene Dibromide	1.0	U	1.0	0.25	ug/L			07/29/11 19:04	1
Dibromomethane	1.0	U	1.0	0.20	ug/L			07/29/11 19:04	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0	0.50	ug/L			07/29/11 19:04	1
Dichlorodifluoromethane	1.0	U	1.0	0.25	ug/L			07/29/11 19:04	1
1,1-Dichloroethane	1.0	U	1.0	0.25	ug/L			07/29/11 19:04	1
1,2-Dichloroethane	1.0	U	1.0	0.10	ug/L			07/29/11 19:04	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.15	ug/L			07/29/11 19:04	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			07/29/11 19:04	1
1,1-Dichloroethene	1.0	U	1.0	0.11	ug/L			07/29/11 19:04	1
1,2-Dichloropropane	1.0	U	1.0	0.13	ug/L			07/29/11 19:04	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.11	ug/L			07/29/11 19:04	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			07/29/11 19:04	1
Ethylbenzene	1.0	U	1.0	0.11	ug/L			07/29/11 19:04	1
Ethyl methacrylate	1.0	U	1.0	0.25	ug/L			07/29/11 19:04	1
2-Hexanone	10	U	10	1.0	ug/L			07/29/11 19:04	1
Iodomethane	5.0	U	5.0	1.0	ug/L			07/29/11 19:04	1
Isobutyl alcohol	40	U	40	11	ug/L			07/29/11 19:04	1
Methacrylonitrile	20	U	20	3.3	ug/L			07/29/11 19:04	1
Methylene Chloride	5.0	U	5.0	1.0	ug/L			07/29/11 19:04	1
Methyl methacrylate	1.0	U	1.0	0.48	ug/L			07/29/11 19:04	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0	ug/L			07/29/11 19:04	1
Pentachloroethane	5.0	U	5.0	1.2	ug/L			07/29/11 19:04	1
Propionitrile	20	U	20	4.6	ug/L			07/29/11 19:04	1
Styrene	1.0	U	1.0	0.11	ug/L			07/29/11 19:04	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.33	ug/L			07/29/11 19:04	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			07/29/11 19:04	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			07/29/11 19:04	1
Toluene	1.0	U	1.0	0.33	ug/L			07/29/11 19:04	1
1,1,1-Trichloroethane	1.0	U	1.0	0.50	ug/L			07/29/11 19:04	1
1,1,2-Trichloroethane	1.0	U	1.0	0.13	ug/L			07/29/11 19:04	1
Trichloroethene	1.0	U	1.0	0.13	ug/L			07/29/11 19:04	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-RSI-072611

Lab Sample ID: 680-70758-3

Date Collected: 07/26/11 08:57

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	1.0	U	1.0	0.25	ug/L			07/29/11 19:04	1
1,2,3-Trichloropropane	1.0	U	1.0	0.41	ug/L			07/29/11 19:04	1
Vinyl acetate	2.0	U	2.0	0.28	ug/L			07/29/11 19:04	1
Vinyl chloride	1.0	U	1.0	0.18	ug/L			07/29/11 19:04	1
Xylenes, Total	0.25	J	2.0	0.20	ug/L			07/29/11 19:04	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		70 - 130		07/29/11 19:04	1
Dibromofluoromethane	103		70 - 130		07/29/11 19:04	1
Toluene-d8 (Surr)	100		70 - 130		07/29/11 19:04	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	10	U	10	0.79	ug/L		07/28/11 14:42	08/02/11 18:32	1
Acenaphthylene	10	U	10	0.88	ug/L		07/28/11 14:42	08/02/11 18:32	1
Acetophenone	10	U	10	0.59	ug/L		07/28/11 14:42	08/02/11 18:32	1
2-Acetylaminofluorene	10	U	10	1.7	ug/L		07/28/11 14:42	08/02/11 18:32	1
alpha,alpha-Dimethyl phenethylamine	2100	U	2100	36	ug/L		07/28/11 14:42	08/02/11 18:32	1
4-Aminobiphenyl	10	U	10	1.2	ug/L		07/28/11 14:42	08/02/11 18:32	1
Aniline	21	U	21	2.2	ug/L		07/28/11 14:42	08/02/11 18:32	1
Anthracene	10	U	10	0.72	ug/L		07/28/11 14:42	08/02/11 18:32	1
Aramite, Total	10	U	10	0.94	ug/L		07/28/11 14:42	08/02/11 18:32	1
Benzo[a]anthracene	10	U	10	0.57	ug/L		07/28/11 14:42	08/02/11 18:32	1
Benzo[a]pyrene	10	U	10	0.74	ug/L		07/28/11 14:42	08/02/11 18:32	1
Benzo[b]fluoranthene	10	U	10	2.7	ug/L		07/28/11 14:42	08/02/11 18:32	1
Benzo[g,h,i]perylene	10	U	10	0.90	ug/L		07/28/11 14:42	08/02/11 18:32	1
Benzo[k]fluoranthene	10	U	10	1.2	ug/L		07/28/11 14:42	08/02/11 18:32	1
Benzyl alcohol	10	U	10	1.1	ug/L		07/28/11 14:42	08/02/11 18:32	1
1,1'-Biphenyl	10	U	10	0.60	ug/L		07/28/11 14:42	08/02/11 18:32	1
Bis(2-chloroethoxy)methane	10	U	10	0.97	ug/L		07/28/11 14:42	08/02/11 18:32	1
Bis(2-chloroethyl)ether	10	U	10	1.1	ug/L		07/28/11 14:42	08/02/11 18:32	1
bis(chloroisopropyl) ether	10	U	10	0.81	ug/L		07/28/11 14:42	08/02/11 18:32	1
Bis(2-ethylhexyl) phthalate	10	U	10	1.7	ug/L		07/28/11 14:42	08/02/11 18:32	1
4-Bromophenyl phenyl ether	10	U	10	0.80	ug/L		07/28/11 14:42	08/02/11 18:32	1
Butyl benzyl phthalate	10	U	10	1.2	ug/L		07/28/11 14:42	08/02/11 18:32	1
4-Chloroaniline	21	U	21	2.3	ug/L		07/28/11 14:42	08/02/11 18:32	1
4-Chloro-3-methylphenol	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 18:32	1
2-Chloronaphthalene	10	U	10	0.83	ug/L		07/28/11 14:42	08/02/11 18:32	1
2-Chlorophenol	10	U	10	0.90	ug/L		07/28/11 14:42	08/02/11 18:32	1
4-Chlorophenyl phenyl ether	10	U	10	0.87	ug/L		07/28/11 14:42	08/02/11 18:32	1
Chrysene	10	U	10	0.53	ug/L		07/28/11 14:42	08/02/11 18:32	1
Diallate	10	U	10	0.81	ug/L		07/28/11 14:42	08/02/11 18:32	1
Dibenz(a,h)anthracene	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 18:32	1
Dibenzofuran	10	U	10	0.82	ug/L		07/28/11 14:42	08/02/11 18:32	1
1,2-Dichlorobenzene	10	U	10	0.55	ug/L		07/28/11 14:42	08/02/11 18:32	1
1,3-Dichlorobenzene	10	U	10	0.61	ug/L		07/28/11 14:42	08/02/11 18:32	1
1,4-Dichlorobenzene	10	U	10	0.56	ug/L		07/28/11 14:42	08/02/11 18:32	1
3,3'-Dichlorobenzidine	62	U	62	31	ug/L		07/28/11 14:42	08/02/11 18:32	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		07/28/11 14:42	08/02/11 18:32	1
2,6-Dichlorophenol	10	U	10	0.76	ug/L		07/28/11 14:42	08/02/11 18:32	1
Diethyl phthalate	10	U	10	0.91	ug/L		07/28/11 14:42	08/02/11 18:32	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-RSI-072611

Lab Sample ID: 680-70758-3

Date Collected: 07/26/11 08:57

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	10	U *	10	0.78	ug/L		07/28/11 14:42	08/02/11 18:32	1
7,12-Dimethylbenz(a)anthracene	10	U	10	1.2	ug/L		07/28/11 14:42	08/02/11 18:32	1
3,3'-Dimethylbenzidine	21	U	21	10	ug/L		07/28/11 14:42	08/02/11 18:32	1
2,4-Dimethylphenol	10	U	10	4.1	ug/L		07/28/11 14:42	08/02/11 18:32	1
Dimethyl phthalate	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 18:32	1
Di-n-butyl phthalate	10	U	10	0.86	ug/L		07/28/11 14:42	08/02/11 18:32	1
1,3-Dinitrobenzene	10	U	10	0.62	ug/L		07/28/11 14:42	08/02/11 18:32	1
4,6-Dinitro-2-methylphenol	52	U	52	10	ug/L		07/28/11 14:42	08/02/11 18:32	1
2,4-Dinitrophenol	52	U	52	10	ug/L		07/28/11 14:42	08/02/11 18:32	1
2,4-Dinitrotoluene	10	U	10	1.2	ug/L		07/28/11 14:42	08/02/11 18:32	1
2,6-Dinitrotoluene	10	U	10	1.1	ug/L		07/28/11 14:42	08/02/11 18:32	1
Di-n-octyl phthalate	10	U	10	1.5	ug/L		07/28/11 14:42	08/02/11 18:32	1
Dinoseb	10	U	10	5.2	ug/L		07/28/11 14:42	08/02/11 18:32	1
1,4-Dioxane	10	U	10	3.5	ug/L		07/28/11 14:42	08/02/11 18:32	1
Disulfoton	10	U *	10	0.82	ug/L		07/28/11 14:42	08/02/11 18:32	1
Ethyl methanesulfonate	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 18:32	1
Ethyl Parathion	10	U	10	1.3	ug/L		07/28/11 14:42	08/02/11 18:32	1
Famphur	10	U *	10	1.1	ug/L		07/28/11 14:42	08/02/11 18:32	1
Fluoranthene	10	U	10	0.77	ug/L		07/28/11 14:42	08/02/11 18:32	1
Fluorene	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 18:32	1
Hexachlorobenzene	10	U	10	0.82	ug/L		07/28/11 14:42	08/02/11 18:32	1
Hexachlorobutadiene	10	U	10	0.64	ug/L		07/28/11 14:42	08/02/11 18:32	1
Hexachlorocyclopentadiene	10	U	10	2.6	ug/L		07/28/11 14:42	08/02/11 18:32	1
Hexachloroethane	10	U	10	0.79	ug/L		07/28/11 14:42	08/02/11 18:32	1
Hexachlorophene	5200	U	5200	28	ug/L		07/28/11 14:42	08/02/11 18:32	1
Hexachloropropene	10	U	10	1.5	ug/L		07/28/11 14:42	08/02/11 18:32	1
Indeno[1,2,3-cd]pyrene	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 18:32	1
Isophorone	10	U	10	0.93	ug/L		07/28/11 14:42	08/02/11 18:32	1
Isosafrole	10	U	10	0.52	ug/L		07/28/11 14:42	08/02/11 18:32	1
Methapyrilene	2100	U	2100	2.8	ug/L		07/28/11 14:42	08/02/11 18:32	1
3-Methylcholanthrene	10	U	10	1.5	ug/L		07/28/11 14:42	08/02/11 18:32	1
Methyl methanesulfonate	10	U	10	0.62	ug/L		07/28/11 14:42	08/02/11 18:32	1
2-Methylnaphthalene	10	U	10	0.81	ug/L		07/28/11 14:42	08/02/11 18:32	1
Methyl parathion	10	U *	10	0.91	ug/L		07/28/11 14:42	08/02/11 18:32	1
2-Methylphenol	10	U	10	0.92	ug/L		07/28/11 14:42	08/02/11 18:32	1
3 & 4 Methylphenol	10	U	10	1.3	ug/L		07/28/11 14:42	08/02/11 18:32	1
Naphthalene	10	U	10	0.73	ug/L		07/28/11 14:42	08/02/11 18:32	1
1,4-Naphthoquinone	10	U	10	0.64	ug/L		07/28/11 14:42	08/02/11 18:32	1
1-Naphthylamine	10	U	10	1.1	ug/L		07/28/11 14:42	08/02/11 18:32	1
2-Naphthylamine	10	U	10	1.6	ug/L		07/28/11 14:42	08/02/11 18:32	1
2-Nitroaniline	52	U	52	1.3	ug/L		07/28/11 14:42	08/02/11 18:32	1
3-Nitroaniline	52	U	52	5.2	ug/L		07/28/11 14:42	08/02/11 18:32	1
4-Nitroaniline	52	U	52	5.2	ug/L		07/28/11 14:42	08/02/11 18:32	1
Nitrobenzene	10	U	10	0.76	ug/L		07/28/11 14:42	08/02/11 18:32	1
2-Nitrophenol	10	U	10	0.79	ug/L		07/28/11 14:42	08/02/11 18:32	1
4-Nitrophenol	52	U	52	2.0	ug/L		07/28/11 14:42	08/02/11 18:32	1
4-Nitroquinoline-1-oxide	21	U	21	10	ug/L		07/28/11 14:42	08/02/11 18:32	1
N-Nitro-o-toluidine	10	U	10	1.6	ug/L		07/28/11 14:42	08/02/11 18:32	1
N-Nitrosodiethylamine	10	U	10	0.96	ug/L		07/28/11 14:42	08/02/11 18:32	1
N-Nitrosodimethylamine	10	U	10	2.9	ug/L		07/28/11 14:42	08/02/11 18:32	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-RSI-072611

Lab Sample ID: 680-70758-3

Date Collected: 07/26/11 08:57

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-butylamine	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 18:32	1
N-Nitrosodi-n-propylamine	10	U	10	0.75	ug/L		07/28/11 14:42	08/02/11 18:32	1
N-Nitrosodiphenylamine	10	U	10	0.95	ug/L		07/28/11 14:42	08/02/11 18:32	1
N-Nitrosomethylethylamine	10	U	10	3.4	ug/L		07/28/11 14:42	08/02/11 18:32	1
N-Nitrosomorpholine	10	U	10	0.87	ug/L		07/28/11 14:42	08/02/11 18:32	1
N-Nitrosopiperidine	10	U	10	0.91	ug/L		07/28/11 14:42	08/02/11 18:32	1
N-Nitrosopyrrolidine	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 18:32	1
o,o',o''-Triethylphosphorothioate	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 18:32	1
p-Dimethylamino azobenzene	10	U	10	0.82	ug/L		07/28/11 14:42	08/02/11 18:32	1
Pentachlorobenzene	10	U	10	0.54	ug/L		07/28/11 14:42	08/02/11 18:32	1
Pentachloronitrobenzene	10	U	10	0.81	ug/L		07/28/11 14:42	08/02/11 18:32	1
Pentachlorophenol	52	U	52	2.1	ug/L		07/28/11 14:42	08/02/11 18:32	1
Phenacetin	10	U	10	1.5	ug/L		07/28/11 14:42	08/02/11 18:32	1
Phenanthrene	10	U	10	0.80	ug/L		07/28/11 14:42	08/02/11 18:32	1
Phenol	10	U	10	0.86	ug/L		07/28/11 14:42	08/02/11 18:32	1
Phorate	10	U	10	0.90	ug/L		07/28/11 14:42	08/02/11 18:32	1
2-Picoline	10	U	10	1.5	ug/L		07/28/11 14:42	08/02/11 18:32	1
p-Phenylene diamine	2100	U	2100	10	ug/L		07/28/11 14:42	08/02/11 18:32	1
Pronamide	10	U	10	0.92	ug/L		07/28/11 14:42	08/02/11 18:32	1
Pyrene	10	U	10	0.65	ug/L		07/28/11 14:42	08/02/11 18:32	1
Pyridine	52	U	52	2.4	ug/L		07/28/11 14:42	08/02/11 18:32	1
Safrole, Total	10	U	10	0.83	ug/L		07/28/11 14:42	08/02/11 18:32	1
Sulfotep	10	U	10	0.55	ug/L		07/28/11 14:42	08/02/11 18:32	1
1,2,4,5-Tetrachlorobenzene	10	U	10	0.79	ug/L		07/28/11 14:42	08/02/11 18:32	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		07/28/11 14:42	08/02/11 18:32	1
Thionazin	10	U	10	0.94	ug/L		07/28/11 14:42	08/02/11 18:32	1
2-Toluidine	10	U	10	1.5	ug/L		07/28/11 14:42	08/02/11 18:32	1
1,2,4-Trichlorobenzene	10	U	10	0.58	ug/L		07/28/11 14:42	08/02/11 18:32	1
2,4,5-Trichlorophenol	10	U	10	1.2	ug/L		07/28/11 14:42	08/02/11 18:32	1
2,4,6-Trichlorophenol	10	U	10	0.88	ug/L		07/28/11 14:42	08/02/11 18:32	1
1,3,5-Trinitrobenzene	10	U	10	2.1	ug/L		07/28/11 14:42	08/02/11 18:32	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	63		38 - 130	07/28/11 14:42	08/02/11 18:32	1
2-Fluorophenol	67		25 - 130	07/28/11 14:42	08/02/11 18:32	1
Nitrobenzene-d5	74		39 - 130	07/28/11 14:42	08/02/11 18:32	1
Phenol-d5	63		25 - 130	07/28/11 14:42	08/02/11 18:32	1
Terphenyl-d14	81		10 - 143	07/28/11 14:42	08/02/11 18:32	1
2,4,6-Tribromophenol	76		31 - 141	07/28/11 14:42	08/02/11 18:32	1

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.051	U	0.051	0.0072	ug/L		07/28/11 14:42	08/01/11 20:58	1
alpha-BHC	0.051	U	0.051	0.0059	ug/L		07/28/11 14:42	08/01/11 20:58	1
beta-BHC	0.051	U *	0.051	0.0069	ug/L		07/28/11 14:42	08/01/11 20:58	1
Chlordane (technical)	0.51	U	0.51	0.10	ug/L		07/28/11 14:42	08/01/11 20:58	1
Chlorobenzilate	0.51	U	0.51	0.51	ug/L		07/28/11 14:42	08/01/11 20:58	1
4,4'-DDD	0.10	U	0.10	0.0067	ug/L		07/28/11 14:42	08/01/11 20:58	1
4,4'-DDE	0.10	U	0.10	0.0079	ug/L		07/28/11 14:42	08/01/11 20:58	1
4,4'-DDT	0.10	U	0.10	0.010	ug/L		07/28/11 14:42	08/01/11 20:58	1
delta-BHC	0.051	U	0.051	0.0049	ug/L		07/28/11 14:42	08/01/11 20:58	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-RSI-072611

Lab Sample ID: 680-70758-3

Date Collected: 07/26/11 08:57

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	0.10	U	0.10	0.0094	ug/L		07/28/11 14:42	08/01/11 20:58	1
Endosulfan I	0.051	U	0.051	0.0043	ug/L		07/28/11 14:42	08/01/11 20:58	1
Endosulfan II	0.10	U	0.10	0.010	ug/L		07/28/11 14:42	08/01/11 20:58	1
Endosulfan sulfate	0.10	U	0.10	0.0070	ug/L		07/28/11 14:42	08/01/11 20:58	1
Endrin	0.10	U *	0.10	0.010	ug/L		07/28/11 14:42	08/01/11 20:58	1
Endrin aldehyde	0.10	U	0.10	0.016	ug/L		07/28/11 14:42	08/01/11 20:58	1
Endrin ketone	0.10	U	0.10	0.0086	ug/L		07/28/11 14:42	08/01/11 20:58	1
gamma-BHC (Lindane)	0.051	U	0.051	0.0061	ug/L		07/28/11 14:42	08/01/11 20:58	1
Heptachlor	0.051	U	0.051	0.0072	ug/L		07/28/11 14:42	08/01/11 20:58	1
Heptachlor epoxide	0.051	U	0.051	0.0062	ug/L		07/28/11 14:42	08/01/11 20:58	1
Isodrin	0.051	U	0.051	0.051	ug/L		07/28/11 14:42	08/01/11 20:58	1
Kepone	1.0	U	1.0	1.0	ug/L		07/28/11 14:42	08/01/11 20:58	1
Methoxychlor	0.10	U	0.10	0.013	ug/L		07/28/11 14:42	08/01/11 20:58	1
Toxaphene	5.1	U	5.1	0.51	ug/L		07/28/11 14:42	08/01/11 20:58	1
PCB-1016	1.0	U	1.0	0.073	ug/L		07/28/11 14:42	08/01/11 20:58	1
PCB-1221	2.1	U	2.1	0.29	ug/L		07/28/11 14:42	08/01/11 20:58	1
PCB-1232	1.0	U	1.0	0.11	ug/L		07/28/11 14:42	08/01/11 20:58	1
PCB-1242	1.0	U	1.0	0.18	ug/L		07/28/11 14:42	08/01/11 20:58	1
PCB-1248	1.0	U	1.0	0.37	ug/L		07/28/11 14:42	08/01/11 20:58	1
PCB-1254	1.0	U	1.0	0.27	ug/L		07/28/11 14:42	08/01/11 20:58	1
PCB-1260	1.0	U	1.0	0.21	ug/L		07/28/11 14:42	08/01/11 20:58	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	63		36 - 130	07/28/11 14:42	08/01/11 20:58	1
Tetrachloro-m-xylene	64		36 - 130	07/28/11 14:42	08/01/11 20:58	1
DCB Decachlorobiphenyl	51		40 - 130	07/28/11 14:42	08/01/11 20:58	1
DCB Decachlorobiphenyl	48		40 - 130	07/28/11 14:42	08/01/11 20:58	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.50	U	0.50	0.037	ug/L		07/28/11 08:04	07/29/11 19:08	1
Silvex (2,4,5-TP)	0.50	U	0.50	0.061	ug/L		07/28/11 08:04	07/29/11 19:08	1
2,4,5-T	0.50	U	0.50	0.061	ug/L		07/28/11 08:04	07/29/11 19:08	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	77		52 - 151	07/28/11 08:04	07/29/11 19:08	1
DCAA	73		52 - 151	07/28/11 08:04	07/29/11 19:08	1

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		10	0.38	1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
1,2,3,7,8-PeCDD	ND		52	0.34	1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
1,2,3,4,7,8-HxCDD	ND		52	0.17	0.1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
1,2,3,6,7,8-HxCDD	ND		52	0.14	0.1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
1,2,3,7,8,9-HxCDD	ND		52	0.21	0.1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
1,2,3,4,6,7,8-HpCDD	ND		52	0.57	0.01		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
OCDD	ND		100	3.6	0.0003		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
2,3,7,8-TCDF	ND		10	0.27	0.1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
1,2,3,7,8-PeCDF	ND		52	0.21	0.03		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
2,3,4,7,8-PeCDF	ND		52	0.23	0.3		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
1,2,3,4,7,8-HxCDF	ND		52	0.20	0.1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-RSI-072611

Lab Sample ID: 680-70758-3

Date Collected: 07/26/11 08:57

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290) (Continued)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,6,7,8-HxCDF	ND		52	0.21	0.1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
2,3,4,6,7,8-HxCDF	ND		52	0.13	0.1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
1,2,3,7,8,9-HxCDF	ND		52	0.20	0.1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
1,2,3,4,6,7,8-HpCDF	ND		52	0.52	0.01		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
1,2,3,4,7,8,9-HpCDF	ND		52	0.16	0.01		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
OCDF	ND		100	0.49	0.0003		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
2,3,7,8-TCDD	ND		10	0.38	1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
Total HxCDD	ND		52	0.53			pg/L		07/28/11 09:00	07/30/11 12:09	1.03
Total HxCDF	ND		52	0.21			pg/L		07/28/11 09:00	07/30/11 12:09	1.03
Total PeCDD	ND		52	0.70			pg/L		07/28/11 09:00	07/30/11 12:09	1.03
Total PeCDF	ND		52	0.23			pg/L		07/28/11 09:00	07/30/11 12:09	1.03
Total TCDD	ND		10	0.38			pg/L		07/28/11 09:00	07/30/11 12:09	1.03
Total TCDF	ND		10	0.34			pg/L		07/28/11 09:00	07/30/11 12:09	1.03
Total TEQ (WHO 2005)								0.00			

Internal Standard	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	82		40 - 135	07/28/11 09:00	07/30/11 12:09	1.03
13C-2,3,7,8-TCDD	82		40 - 135	07/28/11 09:00	07/30/11 12:09	1.03
13C-1,2,3,7,8-PeCDD	83		40 - 135	07/28/11 09:00	07/30/11 12:09	1.03
13C-1,2,3,7,8-PeCDD	83		40 - 135	07/28/11 09:00	07/30/11 12:09	1.03
13C-1,2,3,6,7,8-HxCDD	87		40 - 135	07/28/11 09:00	07/30/11 12:09	1.03
13C-1,2,3,6,7,8-HxCDD	87		40 - 135	07/28/11 09:00	07/30/11 12:09	1.03
13C-1,2,3,4,6,7,8-HpCDD	69		40 - 135	07/28/11 09:00	07/30/11 12:09	1.03
13C-OCDD	74		40 - 135	07/28/11 09:00	07/30/11 12:09	1.03
13C-2,3,7,8-TCDF	89		40 - 135	07/28/11 09:00	07/30/11 12:09	1.03
13C-2,3,7,8-TCDF	89		40 - 135	07/28/11 09:00	07/30/11 12:09	1.03
13C-1,2,3,7,8-PeCDF	85		40 - 135	07/28/11 09:00	07/30/11 12:09	1.03
13C-1,2,3,7,8-PeCDF	85		40 - 135	07/28/11 09:00	07/30/11 12:09	1.03
13C-1,2,3,4,7,8-HxCDF	82		40 - 135	07/28/11 09:00	07/30/11 12:09	1.03
13C-1,2,3,4,7,8-HxCDF	82		40 - 135	07/28/11 09:00	07/30/11 12:09	1.03
13C-1,2,3,4,6,7,8-HpCDF	73		40 - 135	07/28/11 09:00	07/30/11 12:09	1.03

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.0	U	5.0	2.0	ug/L		08/01/11 08:48	08/06/11 22:58	1
Arsenic	2.5	U	2.5	1.3	ug/L		08/01/11 08:48	08/06/11 22:58	1
Barium	12		5.0	1.4	ug/L		08/01/11 08:48	08/06/11 22:58	1
Beryllium	0.50	U	0.50	0.15	ug/L		08/01/11 08:48	08/06/11 22:58	1
Cadmium	0.50	U	0.50	0.13	ug/L		08/01/11 08:48	08/06/11 22:58	1
Chromium	5.0	U	5.0	2.5	ug/L		08/01/11 08:48	08/06/11 22:58	1
Cobalt	0.50	U	0.50	0.12	ug/L		08/01/11 08:48	08/06/11 22:58	1
Copper	3.2	J	5.0	1.1	ug/L		08/01/11 08:48	08/06/11 22:58	1
Lead	1.5	U	1.5	0.50	ug/L		08/01/11 08:48	08/06/11 22:58	1
Nickel	5.0	U	5.0	2.0	ug/L		08/01/11 08:48	08/06/11 22:58	1
Selenium	2.5	U	2.5	1.1	ug/L		08/01/11 08:48	08/06/11 22:58	1
Silver	1.0	U	1.0	0.18	ug/L		08/01/11 08:48	08/06/11 22:58	1
Thallium	1.0	U	1.0	0.25	ug/L		08/01/11 08:48	08/06/11 22:58	1
Tin	5.0	U	5.0	1.4	ug/L		08/01/11 08:48	08/06/11 22:58	1
Vanadium	10	U	10	3.2	ug/L		08/01/11 08:48	08/06/11 22:58	1
Zinc	20	U	20	8.4	ug/L		08/01/11 08:48	08/06/11 22:58	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-RSI-072611

Lab Sample ID: 680-70758-3

Date Collected: 07/26/11 08:57

Matrix: Water

Date Received: 07/27/11 09:20

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		08/02/11 09:42	08/02/11 16:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		08/01/11 07:51	08/02/11 06:49	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	2.3		1.0	1.0	mg/L			07/27/11 14:10	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW13-072611

Lab Sample ID: 680-70758-4

Date Collected: 07/26/11 09:20

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	250	U	250	50	ug/L			07/29/11 20:03	10
Acetonitrile	400	U	400	100	ug/L			07/29/11 20:03	10
Acrolein	200	U	200	74	ug/L			07/29/11 20:03	10
Acrylonitrile	200	U	200	72	ug/L			07/29/11 20:03	10
Benzene	390		10	2.5	ug/L			07/29/11 20:03	10
Dichlorobromomethane	10	U	10	2.5	ug/L			07/29/11 20:03	10
Bromoform	10	U *	10	5.0	ug/L			07/29/11 20:03	10
Bromomethane	10	U	10	8.0	ug/L			07/29/11 20:03	10
2-Butanone (MEK)	100	U	100	10	ug/L			07/29/11 20:03	10
Carbon disulfide	20	U	20	6.0	ug/L			07/29/11 20:03	10
Carbon tetrachloride	620		10	5.0	ug/L			07/29/11 20:03	10
Chlorobenzene	24		10	2.5	ug/L			07/29/11 20:03	10
2-Chloro-1,3-butadiene	10	U	10	3.0	ug/L			07/29/11 20:03	10
Chloroethane	10	U	10	10	ug/L			07/29/11 20:03	10
Chloroform	210		10	1.4	ug/L			07/29/11 20:03	10
Chloromethane	10	U	10	3.3	ug/L			07/29/11 20:03	10
3-Chloro-1-propene	10	U	10	2.0	ug/L			07/29/11 20:03	10
Chlorodibromomethane	10	U	10	1.0	ug/L			07/29/11 20:03	10
1,2-Dibromo-3-Chloropropane	10	U *	10	4.4	ug/L			07/29/11 20:03	10
Ethylene Dibromide	10	U	10	2.5	ug/L			07/29/11 20:03	10
Dibromomethane	10	U	10	2.0	ug/L			07/29/11 20:03	10
trans-1,4-Dichloro-2-butene	20	U	20	5.0	ug/L			07/29/11 20:03	10
Dichlorodifluoromethane	10	U	10	2.5	ug/L			07/29/11 20:03	10
1,1-Dichloroethane	10	U	10	2.5	ug/L			07/29/11 20:03	10
1,2-Dichloroethane	10	U	10	1.0	ug/L			07/29/11 20:03	10
cis-1,2-Dichloroethene	2.1	J	10	1.5	ug/L			07/29/11 20:03	10
trans-1,2-Dichloroethene	10	U	10	2.0	ug/L			07/29/11 20:03	10
1,1-Dichloroethene	10	U	10	1.1	ug/L			07/29/11 20:03	10
1,2-Dichloropropane	10	U	10	1.3	ug/L			07/29/11 20:03	10
cis-1,3-Dichloropropene	10	U	10	1.1	ug/L			07/29/11 20:03	10
trans-1,3-Dichloropropene	10	U	10	2.1	ug/L			07/29/11 20:03	10
Ethylbenzene	10	U	10	1.1	ug/L			07/29/11 20:03	10
Ethyl methacrylate	10	U	10	2.5	ug/L			07/29/11 20:03	10
2-Hexanone	100	U	100	10	ug/L			07/29/11 20:03	10
Iodomethane	50	U	50	10	ug/L			07/29/11 20:03	10
Isobutyl alcohol	400	U	400	110	ug/L			07/29/11 20:03	10
Methacrylonitrile	200	U	200	33	ug/L			07/29/11 20:03	10
Methylene Chloride	50	U	50	10	ug/L			07/29/11 20:03	10
Methyl methacrylate	10	U	10	4.8	ug/L			07/29/11 20:03	10
4-Methyl-2-pentanone (MIBK)	100	U	100	10	ug/L			07/29/11 20:03	10
Pentachloroethane	50	U	50	12	ug/L			07/29/11 20:03	10
Propionitrile	200	U	200	46	ug/L			07/29/11 20:03	10
Styrene	10	U	10	1.1	ug/L			07/29/11 20:03	10
1,1,1,2-Tetrachloroethane	10	U	10	3.3	ug/L			07/29/11 20:03	10
1,1,2,2-Tetrachloroethane	10	U	10	1.8	ug/L			07/29/11 20:03	10
Tetrachloroethene	10	U	10	1.5	ug/L			07/29/11 20:03	10
Toluene	10	U	10	3.3	ug/L			07/29/11 20:03	10
1,1,1-Trichloroethane	10	U	10	5.0	ug/L			07/29/11 20:03	10
1,1,2-Trichloroethane	10	U	10	1.3	ug/L			07/29/11 20:03	10
Trichloroethene	10	U	10	1.3	ug/L			07/29/11 20:03	10

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW13-072611

Lab Sample ID: 680-70758-4

Date Collected: 07/26/11 09:20

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	10	U	10	2.5	ug/L			07/29/11 20:03	10
1,2,3-Trichloropropane	10	U	10	4.1	ug/L			07/29/11 20:03	10
Vinyl acetate	20	U	20	2.8	ug/L			07/29/11 20:03	10
Vinyl chloride	10	U	10	1.8	ug/L			07/29/11 20:03	10
Xylenes, Total	2.3	J	20	2.0	ug/L			07/29/11 20:03	10

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		70 - 130		07/29/11 20:03	10
Dibromofluoromethane	101		70 - 130		07/29/11 20:03	10
Toluene-d8 (Surr)	101		70 - 130		07/29/11 20:03	10

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	49	U	49	3.7	ug/L		07/28/11 14:42	08/03/11 13:50	5
Acenaphthylene	49	U	49	4.2	ug/L		07/28/11 14:42	08/03/11 13:50	5
Acetophenone	49	U	49	2.8	ug/L		07/28/11 14:42	08/03/11 13:50	5
2-Acetylaminofluorene	49	U	49	7.8	ug/L		07/28/11 14:42	08/03/11 13:50	5
alpha,alpha-Dimethyl phenethylamine	9800	U	9800	170	ug/L		07/28/11 14:42	08/03/11 13:50	5
4-Aminobiphenyl	49	U	49	5.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
Aniline	98	U	98	10	ug/L		07/28/11 14:42	08/03/11 13:50	5
Anthracene	49	U	49	3.4	ug/L		07/28/11 14:42	08/03/11 13:50	5
Aramite, Total	49	U	49	4.5	ug/L		07/28/11 14:42	08/03/11 13:50	5
Benzo[a]anthracene	49	U	49	2.7	ug/L		07/28/11 14:42	08/03/11 13:50	5
Benzo[a]pyrene	49	U	49	3.5	ug/L		07/28/11 14:42	08/03/11 13:50	5
Benzo[b]fluoranthene	49	U	49	13	ug/L		07/28/11 14:42	08/03/11 13:50	5
Benzo[g,h,i]perylene	49	U	49	4.3	ug/L		07/28/11 14:42	08/03/11 13:50	5
Benzo[k]fluoranthene	49	U	49	5.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
Benzyl alcohol	49	U	49	5.4	ug/L		07/28/11 14:42	08/03/11 13:50	5
1,1'-Biphenyl	49	U	49	2.8	ug/L		07/28/11 14:42	08/03/11 13:50	5
Bis(2-chloroethoxy)methane	49	U	49	4.6	ug/L		07/28/11 14:42	08/03/11 13:50	5
Bis(2-chloroethyl)ether	49	U	49	5.4	ug/L		07/28/11 14:42	08/03/11 13:50	5
bis(chloroisopropyl) ether	49	U	49	3.8	ug/L		07/28/11 14:42	08/03/11 13:50	5
Bis(2-ethylhexyl) phthalate	49	U	49	7.8	ug/L		07/28/11 14:42	08/03/11 13:50	5
4-Bromophenyl phenyl ether	49	U	49	3.8	ug/L		07/28/11 14:42	08/03/11 13:50	5
Butyl benzyl phthalate	49	U	49	5.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
4-Chloroaniline	98	U	98	11	ug/L		07/28/11 14:42	08/03/11 13:50	5
4-Chloro-3-methylphenol	49	U	49	4.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
2-Chloronaphthalene	49	U	49	3.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
2-Chlorophenol	49	U	49	4.3	ug/L		07/28/11 14:42	08/03/11 13:50	5
4-Chlorophenyl phenyl ether	49	U	49	4.1	ug/L		07/28/11 14:42	08/03/11 13:50	5
Chrysene	49	U	49	2.5	ug/L		07/28/11 14:42	08/03/11 13:50	5
Diallylate	49	U	49	3.8	ug/L		07/28/11 14:42	08/03/11 13:50	5
Dibenz(a,h)anthracene	49	U	49	4.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
Dibenzofuran	49	U	49	3.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
1,2-Dichlorobenzene	49	U	49	2.6	ug/L		07/28/11 14:42	08/03/11 13:50	5
1,3-Dichlorobenzene	49	U	49	2.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
1,4-Dichlorobenzene	49	U	49	2.6	ug/L		07/28/11 14:42	08/03/11 13:50	5
3,3'-Dichlorobenzidine	290	U	290	150	ug/L		07/28/11 14:42	08/03/11 13:50	5
2,4-Dichlorophenol	49	U	49	5.4	ug/L		07/28/11 14:42	08/03/11 13:50	5
2,6-Dichlorophenol	49	U	49	3.6	ug/L		07/28/11 14:42	08/03/11 13:50	5
Diethyl phthalate	49	U	49	4.3	ug/L		07/28/11 14:42	08/03/11 13:50	5

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW13-072611

Lab Sample ID: 680-70758-4

Date Collected: 07/26/11 09:20

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	49	U *	49	3.7	ug/L		07/28/11 14:42	08/03/11 13:50	5
7,12-Dimethylbenz(a)anthracene	49	U	49	5.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
3,3'-Dimethylbenzidine	98	U	98	49	ug/L		07/28/11 14:42	08/03/11 13:50	5
2,4-Dimethylphenol	49	U	49	20	ug/L		07/28/11 14:42	08/03/11 13:50	5
Dimethyl phthalate	49	U	49	4.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
Di-n-butyl phthalate	49	U	49	4.1	ug/L		07/28/11 14:42	08/03/11 13:50	5
1,3-Dinitrobenzene	49	U	49	2.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
4,6-Dinitro-2-methylphenol	250	U	250	49	ug/L		07/28/11 14:42	08/03/11 13:50	5
2,4-Dinitrophenol	250	U	250	49	ug/L		07/28/11 14:42	08/03/11 13:50	5
2,4-Dinitrotoluene	49	U	49	5.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
2,6-Dinitrotoluene	49	U	49	5.4	ug/L		07/28/11 14:42	08/03/11 13:50	5
Di-n-octyl phthalate	49	U	49	6.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
Dinoseb	49	U	49	25	ug/L		07/28/11 14:42	08/03/11 13:50	5
1,4-Dioxane	470		49	17	ug/L		07/28/11 14:42	08/03/11 13:50	5
Disulfoton	49	U *	49	3.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
Ethyl methanesulfonate	49	U	49	4.7	ug/L		07/28/11 14:42	08/03/11 13:50	5
Ethyl Parathion	49	U	49	6.4	ug/L		07/28/11 14:42	08/03/11 13:50	5
Famphur	49	U *	49	5.4	ug/L		07/28/11 14:42	08/03/11 13:50	5
Fluoranthene	49	U	49	3.6	ug/L		07/28/11 14:42	08/03/11 13:50	5
Fluorene	49	U	49	4.7	ug/L		07/28/11 14:42	08/03/11 13:50	5
Hexachlorobenzene	49	U	49	3.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
Hexachlorobutadiene	49	U	49	3.0	ug/L		07/28/11 14:42	08/03/11 13:50	5
Hexachlorocyclopentadiene	49	U	49	12	ug/L		07/28/11 14:42	08/03/11 13:50	5
Hexachloroethane	49	U	49	3.7	ug/L		07/28/11 14:42	08/03/11 13:50	5
Hexachlorophene	25000	U	25000	130	ug/L		07/28/11 14:42	08/03/11 13:50	5
Hexachloropropene	49	U	49	6.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
Indeno[1,2,3-cd]pyrene	49	U	49	4.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
Isophorone	49	U	49	4.4	ug/L		07/28/11 14:42	08/03/11 13:50	5
Isosafrole	49	U	49	2.5	ug/L		07/28/11 14:42	08/03/11 13:50	5
Methapyrilene	9800	U	9800	13	ug/L		07/28/11 14:42	08/03/11 13:50	5
3-Methylcholanthrene	49	U	49	6.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
Methyl methanesulfonate	49	U	49	2.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
2-Methylnaphthalene	49	U	49	3.8	ug/L		07/28/11 14:42	08/03/11 13:50	5
Methyl parathion	49	U *	49	4.3	ug/L		07/28/11 14:42	08/03/11 13:50	5
2-Methylphenol	49	U	49	4.4	ug/L		07/28/11 14:42	08/03/11 13:50	5
3 & 4 Methylphenol	49	U	49	6.4	ug/L		07/28/11 14:42	08/03/11 13:50	5
Naphthalene	49	U	49	3.4	ug/L		07/28/11 14:42	08/03/11 13:50	5
1,4-Naphthoquinone	49	U	49	3.0	ug/L		07/28/11 14:42	08/03/11 13:50	5
1-Naphthylamine	49	U	49	5.4	ug/L		07/28/11 14:42	08/03/11 13:50	5
2-Naphthylamine	49	U	49	7.4	ug/L		07/28/11 14:42	08/03/11 13:50	5
2-Nitroaniline	250	U	250	6.4	ug/L		07/28/11 14:42	08/03/11 13:50	5
3-Nitroaniline	250	U	250	25	ug/L		07/28/11 14:42	08/03/11 13:50	5
4-Nitroaniline	250	U	250	25	ug/L		07/28/11 14:42	08/03/11 13:50	5
Nitrobenzene	49	U	49	3.6	ug/L		07/28/11 14:42	08/03/11 13:50	5
2-Nitrophenol	49	U	49	3.7	ug/L		07/28/11 14:42	08/03/11 13:50	5
4-Nitrophenol	250	U	250	9.3	ug/L		07/28/11 14:42	08/03/11 13:50	5
4-Nitroquinoline-1-oxide	98	U	98	49	ug/L		07/28/11 14:42	08/03/11 13:50	5
N-Nitro-o-toluidine	49	U	49	7.4	ug/L		07/28/11 14:42	08/03/11 13:50	5
N-Nitrosodiethylamine	49	U	49	4.6	ug/L		07/28/11 14:42	08/03/11 13:50	5
N-Nitrosodimethylamine	49	U	49	14	ug/L		07/28/11 14:42	08/03/11 13:50	5

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW13-072611

Lab Sample ID: 680-70758-4

Date Collected: 07/26/11 09:20

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-butylamine	49	U	49	4.7	ug/L		07/28/11 14:42	08/03/11 13:50	5
N-Nitrosodi-n-propylamine	49	U	49	3.5	ug/L		07/28/11 14:42	08/03/11 13:50	5
N-Nitrosodiphenylamine	49	U	49	4.5	ug/L		07/28/11 14:42	08/03/11 13:50	5
N-Nitrosomethylethylamine	49	U	49	16	ug/L		07/28/11 14:42	08/03/11 13:50	5
N-Nitrosomorpholine	49	U	49	4.1	ug/L		07/28/11 14:42	08/03/11 13:50	5
N-Nitrosopiperidine	49	U	49	4.3	ug/L		07/28/11 14:42	08/03/11 13:50	5
N-Nitrosopyrrolidine	49	U	49	4.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
o,o',o"-Triethylphosphorothioate	190		49	4.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
p-Dimethylamino azobenzene	49	U	49	3.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
Pentachlorobenzene	49	U	49	2.5	ug/L		07/28/11 14:42	08/03/11 13:50	5
Pentachloronitrobenzene	49	U	49	3.8	ug/L		07/28/11 14:42	08/03/11 13:50	5
Pentachlorophenol	250	U	250	9.8	ug/L		07/28/11 14:42	08/03/11 13:50	5
Phenacetin	49	U	49	6.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
Phenanthrene	49	U	49	3.8	ug/L		07/28/11 14:42	08/03/11 13:50	5
Phenol	49	U	49	4.1	ug/L		07/28/11 14:42	08/03/11 13:50	5
Phorate	49	U	49	4.3	ug/L		07/28/11 14:42	08/03/11 13:50	5
2-Picoline	49	U	49	6.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
p-Phenylene diamine	9800	U	9800	49	ug/L		07/28/11 14:42	08/03/11 13:50	5
Pronamide	49	U	49	4.4	ug/L		07/28/11 14:42	08/03/11 13:50	5
Pyrene	49	U	49	3.1	ug/L		07/28/11 14:42	08/03/11 13:50	5
Pyridine	250	U	250	11	ug/L		07/28/11 14:42	08/03/11 13:50	5
Safrole, Total	49	U	49	3.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
Sulfotepp	49	U	49	2.6	ug/L		07/28/11 14:42	08/03/11 13:50	5
1,2,4,5-Tetrachlorobenzene	49	U	49	3.7	ug/L		07/28/11 14:42	08/03/11 13:50	5
2,3,4,6-Tetrachlorophenol	49	U	49	3.5	ug/L		07/28/11 14:42	08/03/11 13:50	5
Thionazin	49	U	49	4.5	ug/L		07/28/11 14:42	08/03/11 13:50	5
2-Toluidine	49	U	49	6.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
1,2,4-Trichlorobenzene	49	U	49	2.7	ug/L		07/28/11 14:42	08/03/11 13:50	5
2,4,5-Trichlorophenol	49	U	49	5.9	ug/L		07/28/11 14:42	08/03/11 13:50	5
2,4,6-Trichlorophenol	49	U	49	4.2	ug/L		07/28/11 14:42	08/03/11 13:50	5
1,3,5-Trinitrobenzene	49	U	49	9.8	ug/L		07/28/11 14:42	08/03/11 13:50	5

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	61		38 - 130	07/28/11 14:42	08/03/11 13:50	5
2-Fluorophenol	40		25 - 130	07/28/11 14:42	08/03/11 13:50	5
Nitrobenzene-d5	50		39 - 130	07/28/11 14:42	08/03/11 13:50	5
Phenol-d5	51		25 - 130	07/28/11 14:42	08/03/11 13:50	5
Terphenyl-d14	65		10 - 143	07/28/11 14:42	08/03/11 13:50	5
2,4,6-Tribromophenol	85		31 - 141	07/28/11 14:42	08/03/11 13:50	5

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.051	U	0.051	0.0071	ug/L		07/28/11 14:42	08/01/11 21:17	1
alpha-BHC	0.25		0.051	0.0058	ug/L		07/28/11 14:42	08/01/11 21:17	1
beta-BHC	0.051	U *	0.051	0.0068	ug/L		07/28/11 14:42	08/01/11 21:17	1
Chlordane (technical)	0.51	U	0.51	0.10	ug/L		07/28/11 14:42	08/01/11 21:17	1
Chlorobenzilate	0.51	U	0.51	0.51	ug/L		07/28/11 14:42	08/01/11 21:17	1
4,4'-DDD	0.10	U	0.10	0.0066	ug/L		07/28/11 14:42	08/01/11 21:17	1
4,4'-DDE	0.10	U	0.10	0.0079	ug/L		07/28/11 14:42	08/01/11 21:17	1
4,4'-DDT	0.10	U	0.10	0.0099	ug/L		07/28/11 14:42	08/01/11 21:17	1
delta-BHC	0.051	U	0.051	0.0049	ug/L		07/28/11 14:42	08/01/11 21:17	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW13-072611

Lab Sample ID: 680-70758-4

Date Collected: 07/26/11 09:20

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	0.10	U	0.10	0.0093	ug/L		07/28/11 14:42	08/01/11 21:17	1
Endosulfan I	0.051	U	0.051	0.0043	ug/L		07/28/11 14:42	08/01/11 21:17	1
Endosulfan II	0.10	U	0.10	0.010	ug/L		07/28/11 14:42	08/01/11 21:17	1
Endosulfan sulfate	0.10	U	0.10	0.0069	ug/L		07/28/11 14:42	08/01/11 21:17	1
Endrin	0.10	U *	0.10	0.0099	ug/L		07/28/11 14:42	08/01/11 21:17	1
Endrin aldehyde	0.10	U	0.10	0.016	ug/L		07/28/11 14:42	08/01/11 21:17	1
Endrin ketone	0.10	U	0.10	0.0086	ug/L		07/28/11 14:42	08/01/11 21:17	1
gamma-BHC (Lindane)	0.051	U	0.051	0.0060	ug/L		07/28/11 14:42	08/01/11 21:17	1
Heptachlor	0.051	U	0.051	0.0071	ug/L		07/28/11 14:42	08/01/11 21:17	1
Heptachlor epoxide	0.051	U	0.051	0.0061	ug/L		07/28/11 14:42	08/01/11 21:17	1
Isodrin	0.051	U	0.051	0.051	ug/L		07/28/11 14:42	08/01/11 21:17	1
Kepone	1.0	U	1.0	1.0	ug/L		07/28/11 14:42	08/01/11 21:17	1
Methoxychlor	0.10	U	0.10	0.013	ug/L		07/28/11 14:42	08/01/11 21:17	1
Toxaphene	5.1	U	5.1	0.51	ug/L		07/28/11 14:42	08/01/11 21:17	1
PCB-1016	1.0	U	1.0	0.072	ug/L		07/28/11 14:42	08/01/11 21:17	1
PCB-1221	2.0	U	2.0	0.29	ug/L		07/28/11 14:42	08/01/11 21:17	1
PCB-1232	1.0	U	1.0	0.11	ug/L		07/28/11 14:42	08/01/11 21:17	1
PCB-1242	1.0	U	1.0	0.18	ug/L		07/28/11 14:42	08/01/11 21:17	1
PCB-1248	1.0	U	1.0	0.37	ug/L		07/28/11 14:42	08/01/11 21:17	1
PCB-1254	1.0	U	1.0	0.27	ug/L		07/28/11 14:42	08/01/11 21:17	1
PCB-1260	1.0	U	1.0	0.20	ug/L		07/28/11 14:42	08/01/11 21:17	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	37	p	36 - 130	07/28/11 14:42	08/01/11 21:17	1
Tetrachloro-m-xylene	302	X	36 - 130	07/28/11 14:42	08/01/11 21:17	1
DCB Decachlorobiphenyl	19	X	40 - 130	07/28/11 14:42	08/01/11 21:17	1
DCB Decachlorobiphenyl	8	p X	40 - 130	07/28/11 14:42	08/01/11 21:17	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.50	U	0.50	0.037	ug/L		07/28/11 08:04	07/29/11 19:24	1
Silvex (2,4,5-TP)	0.50	U	0.50	0.062	ug/L		07/28/11 08:04	07/29/11 19:24	1
2,4,5-T	0.50	U	0.50	0.062	ug/L		07/28/11 08:04	07/29/11 19:24	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	80		52 - 151	07/28/11 08:04	07/29/11 19:24	1
DCAA	87		52 - 151	07/28/11 08:04	07/29/11 19:24	1

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		10	0.23	1		pg/L		07/28/11 09:00	07/30/11 12:53	1
1,2,3,7,8-PeCDD	ND		50	0.38	1		pg/L		07/28/11 09:00	07/30/11 12:53	1
1,2,3,4,7,8-HxCDD	ND		50	0.34	0.1		pg/L		07/28/11 09:00	07/30/11 12:53	1
1,2,3,6,7,8-HxCDD	ND		50	0.30	0.1		pg/L		07/28/11 09:00	07/30/11 12:53	1
1,2,3,7,8,9-HxCDD	ND		50	0.29	0.1		pg/L		07/28/11 09:00	07/30/11 12:53	1
1,2,3,4,6,7,8-HpCDD	ND		50	0.50	0.01		pg/L		07/28/11 09:00	07/30/11 12:53	1
OCDD	ND		100	17	0.0003		pg/L		07/28/11 09:00	07/30/11 12:53	1
2,3,7,8-TCDF	ND		10	3.3	0.1		pg/L		07/28/11 09:00	07/30/11 12:53	1
1,2,3,7,8-PeCDF	ND		50	0.77	0.03		pg/L		07/28/11 09:00	07/30/11 12:53	1
2,3,4,7,8-PeCDF	ND		50	0.85	0.3		pg/L		07/28/11 09:00	07/30/11 12:53	1
1,2,3,4,7,8-HxCDF	ND		50	0.18	0.1		pg/L		07/28/11 09:00	07/30/11 12:53	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW13-072611

Lab Sample ID: 680-70758-4

Date Collected: 07/26/11 09:20

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290) (Continued)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,6,7,8-HxCDF	ND		50	0.36	0.1		pg/L		07/28/11 09:00	07/30/11 12:53	1
2,3,4,6,7,8-HxCDF	ND		50	0.11	0.1		pg/L		07/28/11 09:00	07/30/11 12:53	1
1,2,3,7,8,9-HxCDF	ND		50	0.13	0.1		pg/L		07/28/11 09:00	07/30/11 12:53	1
1,2,3,4,6,7,8-HpCDF	ND		50	1.1	0.01		pg/L		07/28/11 09:00	07/30/11 12:53	1
1,2,3,4,7,8,9-HpCDF	ND		50	0.24	0.01		pg/L		07/28/11 09:00	07/30/11 12:53	1
OCDF	ND		100	0.62	0.0003		pg/L		07/28/11 09:00	07/30/11 12:53	1
2,3,7,8-TCDD	ND		10	0.23	1		pg/L		07/28/11 09:00	07/30/11 12:53	1
Total HxCDD	ND		50	0.42			pg/L		07/28/11 09:00	07/30/11 12:53	1
Total HxCDF	ND		50	0.36			pg/L		07/28/11 09:00	07/30/11 12:53	1
Total PeCDD	ND		50	0.69			pg/L		07/28/11 09:00	07/30/11 12:53	1
Total PeCDF	ND		50	2.6			pg/L		07/28/11 09:00	07/30/11 12:53	1
Total TCDD	ND		10	0.23			pg/L		07/28/11 09:00	07/30/11 12:53	1
Total TCDF	17		10	3.3			pg/L		07/28/11 09:00	07/30/11 12:53	1
Total TEQ (WHO 2005)						0.00					

Internal Standard	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	79		40 - 135	07/28/11 09:00	07/30/11 12:53	1
13C-2,3,7,8-TCDD	79		40 - 135	07/28/11 09:00	07/30/11 12:53	1
13C-1,2,3,7,8-PeCDD	76		40 - 135	07/28/11 09:00	07/30/11 12:53	1
13C-1,2,3,7,8-PeCDD	76		40 - 135	07/28/11 09:00	07/30/11 12:53	1
13C-1,2,3,6,7,8-HxCDD	86		40 - 135	07/28/11 09:00	07/30/11 12:53	1
13C-1,2,3,6,7,8-HxCDD	86		40 - 135	07/28/11 09:00	07/30/11 12:53	1
13C-1,2,3,4,6,7,8-HpCDD	69		40 - 135	07/28/11 09:00	07/30/11 12:53	1
13C-OCDD	74		40 - 135	07/28/11 09:00	07/30/11 12:53	1
13C-2,3,7,8-TCDF	85		40 - 135	07/28/11 09:00	07/30/11 12:53	1
13C-2,3,7,8-TCDF	85		40 - 135	07/28/11 09:00	07/30/11 12:53	1
13C-1,2,3,7,8-PeCDF	78		40 - 135	07/28/11 09:00	07/30/11 12:53	1
13C-1,2,3,7,8-PeCDF	78		40 - 135	07/28/11 09:00	07/30/11 12:53	1
13C-1,2,3,4,7,8-HxCDF	80		40 - 135	07/28/11 09:00	07/30/11 12:53	1
13C-1,2,3,4,7,8-HxCDF	80		40 - 135	07/28/11 09:00	07/30/11 12:53	1
13C-1,2,3,4,6,7,8-HpCDF	72		40 - 135	07/28/11 09:00	07/30/11 12:53	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.0	U	5.0	2.0	ug/L		08/01/11 08:48	08/06/11 23:05	1
Arsenic	5.7		2.5	1.3	ug/L		08/01/11 08:48	08/06/11 23:05	1
Barium	49		5.0	1.4	ug/L		08/01/11 08:48	08/06/11 23:05	1
Beryllium	0.16 J		0.50	0.15	ug/L		08/01/11 08:48	08/06/11 23:05	1
Cadmium	0.50	U	0.50	0.13	ug/L		08/01/11 08:48	08/06/11 23:05	1
Chromium	5.0	U	5.0	2.5	ug/L		08/01/11 08:48	08/06/11 23:05	1
Cobalt	1.5		0.50	0.12	ug/L		08/01/11 08:48	08/06/11 23:05	1
Copper	5.0	U	5.0	1.1	ug/L		08/01/11 08:48	08/06/11 23:05	1
Lead	1.5	U	1.5	0.50	ug/L		08/01/11 08:48	08/06/11 23:05	1
Nickel	2.5 J		5.0	2.0	ug/L		08/01/11 08:48	08/06/11 23:05	1
Selenium	2.5	U	2.5	1.1	ug/L		08/01/11 08:48	08/06/11 23:05	1
Silver	1.0	U	1.0	0.18	ug/L		08/01/11 08:48	08/06/11 23:05	1
Thallium	1.0	U	1.0	0.25	ug/L		08/01/11 08:48	08/06/11 23:05	1
Tin	5.0	U	5.0	1.4	ug/L		08/01/11 08:48	08/06/11 23:05	1
Vanadium	10	U	10	3.2	ug/L		08/01/11 08:48	08/06/11 23:05	1
Zinc	41		20	8.4	ug/L		08/01/11 08:48	08/06/11 23:05	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW13-072611

Lab Sample ID: 680-70758-4

Date Collected: 07/26/11 09:20

Matrix: Water

Date Received: 07/27/11 09:20

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		08/02/11 09:42	08/02/11 16:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		08/01/11 07:51	08/02/11 06:50	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	1.0	U	1.0	1.0	mg/L			07/27/11 14:10	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW17-072611

Lab Sample ID: 680-70758-5

Date Collected: 07/26/11 11:45

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5000	U	5000	1000	ug/L			07/30/11 20:34	200
Acetonitrile	8000	U	8000	2000	ug/L			07/30/11 20:34	200
Acrolein	4000	U	4000	1500	ug/L			07/30/11 20:34	200
Acrylonitrile	4000	U	4000	1400	ug/L			07/30/11 20:34	200
Benzene	3600		200	50	ug/L			07/30/11 20:34	200
Dichlorobromomethane	200	U	200	50	ug/L			07/30/11 20:34	200
Bromoform	200	U *	200	100	ug/L			07/30/11 20:34	200
Bromomethane	200	U	200	160	ug/L			07/30/11 20:34	200
2-Butanone (MEK)	2000	U	2000	200	ug/L			07/30/11 20:34	200
Carbon disulfide	400	U	400	120	ug/L			07/30/11 20:34	200
Carbon tetrachloride	25000	*	200	100	ug/L			07/30/11 20:34	200
Chlorobenzene	770		200	50	ug/L			07/30/11 20:34	200
2-Chloro-1,3-butadiene	200	U	200	60	ug/L			07/30/11 20:34	200
Chloroethane	200	U	200	200	ug/L			07/30/11 20:34	200
Chloroform	3000		200	28	ug/L			07/30/11 20:34	200
Chloromethane	200	U	200	66	ug/L			07/30/11 20:34	200
3-Chloro-1-propene	200	U	200	40	ug/L			07/30/11 20:34	200
Chlorodibromomethane	200	U *	200	20	ug/L			07/30/11 20:34	200
1,2-Dibromo-3-Chloropropane	200	U	200	88	ug/L			07/30/11 20:34	200
Ethylene Dibromide	200	U	200	50	ug/L			07/30/11 20:34	200
Dibromomethane	200	U	200	40	ug/L			07/30/11 20:34	200
trans-1,4-Dichloro-2-butene	400	U	400	100	ug/L			07/30/11 20:34	200
Dichlorodifluoromethane	200	U	200	50	ug/L			07/30/11 20:34	200
1,1-Dichloroethane	200	U	200	50	ug/L			07/30/11 20:34	200
1,2-Dichloroethane	200	U	200	20	ug/L			07/30/11 20:34	200
cis-1,2-Dichloroethene	200	U	200	30	ug/L			07/30/11 20:34	200
trans-1,2-Dichloroethene	200	U	200	40	ug/L			07/30/11 20:34	200
1,1-Dichloroethene	200	U	200	22	ug/L			07/30/11 20:34	200
1,2-Dichloropropane	200	U	200	26	ug/L			07/30/11 20:34	200
cis-1,3-Dichloropropene	200	U	200	22	ug/L			07/30/11 20:34	200
trans-1,3-Dichloropropene	200	U	200	42	ug/L			07/30/11 20:34	200
Ethylbenzene	110	J	200	22	ug/L			07/30/11 20:34	200
Ethyl methacrylate	200	U	200	50	ug/L			07/30/11 20:34	200
2-Hexanone	2000	U	2000	200	ug/L			07/30/11 20:34	200
Iodomethane	1000	U	1000	200	ug/L			07/30/11 20:34	200
Isobutyl alcohol	8000	U	8000	2200	ug/L			07/30/11 20:34	200
Methacrylonitrile	4000	U	4000	660	ug/L			07/30/11 20:34	200
Methylene Chloride	1000	U	1000	200	ug/L			07/30/11 20:34	200
Methyl methacrylate	200	U	200	96	ug/L			07/30/11 20:34	200
4-Methyl-2-pentanone (MIBK)	2000	U	2000	200	ug/L			07/30/11 20:34	200
Pentachloroethane	1000	U	1000	240	ug/L			07/30/11 20:34	200
Propionitrile	4000	U	4000	920	ug/L			07/30/11 20:34	200
Styrene	200	U	200	22	ug/L			07/30/11 20:34	200
1,1,1,2-Tetrachloroethane	200	U	200	66	ug/L			07/30/11 20:34	200
1,1,2,2-Tetrachloroethane	200	U	200	36	ug/L			07/30/11 20:34	200
Tetrachloroethene	200	U	200	30	ug/L			07/30/11 20:34	200
Toluene	160	J	200	66	ug/L			07/30/11 20:34	200
1,1,1-Trichloroethane	200	U	200	100	ug/L			07/30/11 20:34	200
1,1,2-Trichloroethane	200	U	200	26	ug/L			07/30/11 20:34	200
Trichloroethene	200	U	200	26	ug/L			07/30/11 20:34	200

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW17-072611

Lab Sample ID: 680-70758-5

Date Collected: 07/26/11 11:45

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	200	U	200	50	ug/L			07/30/11 20:34	200
1,2,3-Trichloropropane	200	U	200	82	ug/L			07/30/11 20:34	200
Vinyl acetate	400	U	400	56	ug/L			07/30/11 20:34	200
Vinyl chloride	200	U	200	36	ug/L			07/30/11 20:34	200
Xylenes, Total	270	J	400	40	ug/L			07/30/11 20:34	200

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		70 - 130		07/30/11 20:34	200
Dibromofluoromethane	96		70 - 130		07/30/11 20:34	200
Toluene-d8 (Surr)	106		70 - 130		07/30/11 20:34	200

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1000	U	1000	76	ug/L		07/28/11 14:42	08/03/11 16:12	100
Acenaphthylene	1000	U	1000	85	ug/L		07/28/11 14:42	08/03/11 16:12	100
Acetophenone	1000	U	1000	57	ug/L		07/28/11 14:42	08/03/11 16:12	100
2-Acetylaminofluorene	1000	U	1000	160	ug/L		07/28/11 14:42	08/03/11 16:12	100
alpha,alpha-Dimethyl phenethylamine	200000	U	200000	3500	ug/L		07/28/11 14:42	08/03/11 16:12	100
4-Aminobiphenyl	1000	U	1000	120	ug/L		07/28/11 14:42	08/03/11 16:12	100
Aniline	2000	U	2000	210	ug/L		07/28/11 14:42	08/03/11 16:12	100
Anthracene	1000	U	1000	69	ug/L		07/28/11 14:42	08/03/11 16:12	100
Aramite, Total	1000	U	1000	91	ug/L		07/28/11 14:42	08/03/11 16:12	100
Benzo[a]anthracene	1000	U	1000	55	ug/L		07/28/11 14:42	08/03/11 16:12	100
Benzo[a]pyrene	1000	U	1000	71	ug/L		07/28/11 14:42	08/03/11 16:12	100
Benzo[b]fluoranthene	1000	U	1000	260	ug/L		07/28/11 14:42	08/03/11 16:12	100
Benzo[g,h,i]perylene	1000	U	1000	87	ug/L		07/28/11 14:42	08/03/11 16:12	100
Benzo[k]fluoranthene	1000	U	1000	120	ug/L		07/28/11 14:42	08/03/11 16:12	100
Benzyl alcohol	1000	U	1000	110	ug/L		07/28/11 14:42	08/03/11 16:12	100
1,1'-Biphenyl	1000	U	1000	58	ug/L		07/28/11 14:42	08/03/11 16:12	100
Bis(2-chloroethoxy)methane	1000	U	1000	94	ug/L		07/28/11 14:42	08/03/11 16:12	100
Bis(2-chloroethyl)ether	1000	U	1000	110	ug/L		07/28/11 14:42	08/03/11 16:12	100
bis(chloroisopropyl) ether	1000	U	1000	78	ug/L		07/28/11 14:42	08/03/11 16:12	100
Bis(2-ethylhexyl) phthalate	1000	U	1000	160	ug/L		07/28/11 14:42	08/03/11 16:12	100
4-Bromophenyl phenyl ether	1000	U	1000	77	ug/L		07/28/11 14:42	08/03/11 16:12	100
Butyl benzyl phthalate	1000	U	1000	120	ug/L		07/28/11 14:42	08/03/11 16:12	100
4-Chloroaniline	2000	U	2000	220	ug/L		07/28/11 14:42	08/03/11 16:12	100
4-Chloro-3-methylphenol	1000	U	1000	100	ug/L		07/28/11 14:42	08/03/11 16:12	100
2-Chloronaphthalene	1000	U	1000	80	ug/L		07/28/11 14:42	08/03/11 16:12	100
2-Chlorophenol	1000	U	1000	87	ug/L		07/28/11 14:42	08/03/11 16:12	100
4-Chlorophenyl phenyl ether	1000	U	1000	84	ug/L		07/28/11 14:42	08/03/11 16:12	100
Chrysene	1000	U	1000	51	ug/L		07/28/11 14:42	08/03/11 16:12	100
Diallylate	1000	U	1000	78	ug/L		07/28/11 14:42	08/03/11 16:12	100
Dibenz(a,h)anthracene	1000	U	1000	100	ug/L		07/28/11 14:42	08/03/11 16:12	100
Dibenzofuran	1000	U	1000	79	ug/L		07/28/11 14:42	08/03/11 16:12	100
1,2-Dichlorobenzene	1000	U	1000	53	ug/L		07/28/11 14:42	08/03/11 16:12	100
1,3-Dichlorobenzene	1000	U	1000	59	ug/L		07/28/11 14:42	08/03/11 16:12	100
1,4-Dichlorobenzene	1000	U	1000	54	ug/L		07/28/11 14:42	08/03/11 16:12	100
3,3'-Dichlorobenzidine	6000	U	6000	3000	ug/L		07/28/11 14:42	08/03/11 16:12	100
2,4-Dichlorophenol	1000	U	1000	110	ug/L		07/28/11 14:42	08/03/11 16:12	100
2,6-Dichlorophenol	1000	U	1000	73	ug/L		07/28/11 14:42	08/03/11 16:12	100
Diethyl phthalate	1000	U	1000	88	ug/L		07/28/11 14:42	08/03/11 16:12	100

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW17-072611

Lab Sample ID: 680-70758-5

Date Collected: 07/26/11 11:45

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	1000	U *	1000	75	ug/L		07/28/11 14:42	08/03/11 16:12	100
7,12-Dimethylbenz(a)anthracene	1000	U	1000	120	ug/L		07/28/11 14:42	08/03/11 16:12	100
3,3'-Dimethylbenzidine	2000	U	2000	1000	ug/L		07/28/11 14:42	08/03/11 16:12	100
2,4-Dimethylphenol	1000	U	1000	400	ug/L		07/28/11 14:42	08/03/11 16:12	100
Dimethyl phthalate	1000	U	1000	99	ug/L		07/28/11 14:42	08/03/11 16:12	100
Di-n-butyl phthalate	1000	U	1000	83	ug/L		07/28/11 14:42	08/03/11 16:12	100
1,3-Dinitrobenzene	1000	U	1000	60	ug/L		07/28/11 14:42	08/03/11 16:12	100
4,6-Dinitro-2-methylphenol	5000	U	5000	1000	ug/L		07/28/11 14:42	08/03/11 16:12	100
2,4-Dinitrophenol	5000	U	5000	1000	ug/L		07/28/11 14:42	08/03/11 16:12	100
2,4-Dinitrotoluene	1000	U	1000	120	ug/L		07/28/11 14:42	08/03/11 16:12	100
2,6-Dinitrotoluene	1000	U	1000	110	ug/L		07/28/11 14:42	08/03/11 16:12	100
Di-n-octyl phthalate	1000	U	1000	140	ug/L		07/28/11 14:42	08/03/11 16:12	100
Dinoseb	1000	U	1000	500	ug/L		07/28/11 14:42	08/03/11 16:12	100
1,4-Dioxane	840	J	1000	340	ug/L		07/28/11 14:42	08/03/11 16:12	100
Disulfoton	1000	U *	1000	79	ug/L		07/28/11 14:42	08/03/11 16:12	100
Ethyl methanesulfonate	1000	U	1000	96	ug/L		07/28/11 14:42	08/03/11 16:12	100
Ethyl Parathion	1000	U	1000	130	ug/L		07/28/11 14:42	08/03/11 16:12	100
Famphur	1000	U *	1000	110	ug/L		07/28/11 14:42	08/03/11 16:12	100
Fluoranthene	1000	U	1000	74	ug/L		07/28/11 14:42	08/03/11 16:12	100
Fluorene	1000	U	1000	96	ug/L		07/28/11 14:42	08/03/11 16:12	100
Hexachlorobenzene	1000	U	1000	79	ug/L		07/28/11 14:42	08/03/11 16:12	100
Hexachlorobutadiene	1000	U	1000	62	ug/L		07/28/11 14:42	08/03/11 16:12	100
Hexachlorocyclopentadiene	1000	U	1000	250	ug/L		07/28/11 14:42	08/03/11 16:12	100
Hexachloroethane	1000	U	1000	76	ug/L		07/28/11 14:42	08/03/11 16:12	100
Hexachlorophene	500000	U	500000	2700	ug/L		07/28/11 14:42	08/03/11 16:12	100
Hexachloropropene	1000	U	1000	140	ug/L		07/28/11 14:42	08/03/11 16:12	100
Indeno[1,2,3-cd]pyrene	1000	U	1000	100	ug/L		07/28/11 14:42	08/03/11 16:12	100
Isophorone	1000	U	1000	90	ug/L		07/28/11 14:42	08/03/11 16:12	100
Isosafrole	1000	U	1000	50	ug/L		07/28/11 14:42	08/03/11 16:12	100
Methapyrilene	200000	U	200000	270	ug/L		07/28/11 14:42	08/03/11 16:12	100
3-Methylcholanthrene	1000	U	1000	140	ug/L		07/28/11 14:42	08/03/11 16:12	100
Methyl methanesulfonate	1000	U	1000	60	ug/L		07/28/11 14:42	08/03/11 16:12	100
2-Methylnaphthalene	1000	U	1000	78	ug/L		07/28/11 14:42	08/03/11 16:12	100
Methyl parathion	1000	U *	1000	88	ug/L		07/28/11 14:42	08/03/11 16:12	100
2-Methylphenol	1000	U	1000	89	ug/L		07/28/11 14:42	08/03/11 16:12	100
3 & 4 Methylphenol	1000	U	1000	130	ug/L		07/28/11 14:42	08/03/11 16:12	100
Naphthalene	1000	U	1000	70	ug/L		07/28/11 14:42	08/03/11 16:12	100
1,4-Naphthoquinone	1000	U	1000	62	ug/L		07/28/11 14:42	08/03/11 16:12	100
1-Naphthylamine	1000	U	1000	110	ug/L		07/28/11 14:42	08/03/11 16:12	100
2-Naphthylamine	1000	U	1000	150	ug/L		07/28/11 14:42	08/03/11 16:12	100
2-Nitroaniline	5000	U	5000	130	ug/L		07/28/11 14:42	08/03/11 16:12	100
3-Nitroaniline	5000	U	5000	500	ug/L		07/28/11 14:42	08/03/11 16:12	100
4-Nitroaniline	5000	U	5000	500	ug/L		07/28/11 14:42	08/03/11 16:12	100
Nitrobenzene	1000	U	1000	73	ug/L		07/28/11 14:42	08/03/11 16:12	100
2-Nitrophenol	1000	U	1000	76	ug/L		07/28/11 14:42	08/03/11 16:12	100
4-Nitrophenol	5000	U	5000	190	ug/L		07/28/11 14:42	08/03/11 16:12	100
4-Nitroquinoline-1-oxide	2000	U	2000	1000	ug/L		07/28/11 14:42	08/03/11 16:12	100
N-Nitro-o-toluidine	1000	U	1000	150	ug/L		07/28/11 14:42	08/03/11 16:12	100
N-Nitrosodiethylamine	1000	U	1000	93	ug/L		07/28/11 14:42	08/03/11 16:12	100
N-Nitrosodimethylamine	1000	U	1000	280	ug/L		07/28/11 14:42	08/03/11 16:12	100

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW17-072611

Lab Sample ID: 680-70758-5

Date Collected: 07/26/11 11:45

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-butylamine	1000	U	1000	96	ug/L		07/28/11 14:42	08/03/11 16:12	100
N-Nitrosodi-n-propylamine	1000	U	1000	72	ug/L		07/28/11 14:42	08/03/11 16:12	100
N-Nitrosodiphenylamine	1000	U	1000	92	ug/L		07/28/11 14:42	08/03/11 16:12	100
N-Nitrosomethylethylamine	1000	U	1000	330	ug/L		07/28/11 14:42	08/03/11 16:12	100
N-Nitrosomorpholine	1000	U	1000	84	ug/L		07/28/11 14:42	08/03/11 16:12	100
N-Nitrosopiperidine	1000	U	1000	88	ug/L		07/28/11 14:42	08/03/11 16:12	100
N-Nitrosopyrrolidine	1000	U	1000	100	ug/L		07/28/11 14:42	08/03/11 16:12	100
o,o',o"-Triethylphosphorothioate	12000		1000	100	ug/L		07/28/11 14:42	08/03/11 16:12	100
p-Dimethylamino azobenzene	1000	U	1000	79	ug/L		07/28/11 14:42	08/03/11 16:12	100
Pentachlorobenzene	1000	U	1000	52	ug/L		07/28/11 14:42	08/03/11 16:12	100
Pentachloronitrobenzene	1000	U	1000	78	ug/L		07/28/11 14:42	08/03/11 16:12	100
Pentachlorophenol	5000	U	5000	200	ug/L		07/28/11 14:42	08/03/11 16:12	100
Phenacetin	1000	U	1000	140	ug/L		07/28/11 14:42	08/03/11 16:12	100
Phenanthrene	1000	U	1000	77	ug/L		07/28/11 14:42	08/03/11 16:12	100
Phenol	1000	U	1000	83	ug/L		07/28/11 14:42	08/03/11 16:12	100
Phorate	1000	U	1000	87	ug/L		07/28/11 14:42	08/03/11 16:12	100
2-Picoline	1000	U	1000	140	ug/L		07/28/11 14:42	08/03/11 16:12	100
p-Phenylene diamine	200000	U	200000	1000	ug/L		07/28/11 14:42	08/03/11 16:12	100
Pronamide	1000	U	1000	89	ug/L		07/28/11 14:42	08/03/11 16:12	100
Pyrene	1000	U	1000	63	ug/L		07/28/11 14:42	08/03/11 16:12	100
Pyridine	5000	U	5000	230	ug/L		07/28/11 14:42	08/03/11 16:12	100
Safrole, Total	1000	U	1000	80	ug/L		07/28/11 14:42	08/03/11 16:12	100
Sulfotepp	1000	U	1000	53	ug/L		07/28/11 14:42	08/03/11 16:12	100
1,2,4,5-Tetrachlorobenzene	1000	U	1000	76	ug/L		07/28/11 14:42	08/03/11 16:12	100
2,3,4,6-Tetrachlorophenol	1000	U	1000	72	ug/L		07/28/11 14:42	08/03/11 16:12	100
Thionazin	1000	U	1000	91	ug/L		07/28/11 14:42	08/03/11 16:12	100
2-Toluidine	1000	U	1000	140	ug/L		07/28/11 14:42	08/03/11 16:12	100
1,2,4-Trichlorobenzene	1000	U	1000	56	ug/L		07/28/11 14:42	08/03/11 16:12	100
2,4,5-Trichlorophenol	1000	U	1000	120	ug/L		07/28/11 14:42	08/03/11 16:12	100
2,4,6-Trichlorophenol	1000	U	1000	85	ug/L		07/28/11 14:42	08/03/11 16:12	100
1,3,5-Trinitrobenzene	1000	U	1000	200	ug/L		07/28/11 14:42	08/03/11 16:12	100

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	0	D	38 - 130	07/28/11 14:42	08/03/11 16:12	100
2-Fluorophenol	0	D	25 - 130	07/28/11 14:42	08/03/11 16:12	100
Nitrobenzene-d5	0	D	39 - 130	07/28/11 14:42	08/03/11 16:12	100
Phenol-d5	0	D	25 - 130	07/28/11 14:42	08/03/11 16:12	100
Terphenyl-d14	0	D	10 - 143	07/28/11 14:42	08/03/11 16:12	100
2,4,6-Tribromophenol	0	D	31 - 141	07/28/11 14:42	08/03/11 16:12	100

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.49	U	0.49	0.069	ug/L		07/28/11 14:42	08/08/11 12:27	10
alpha-BHC	1.5	P	0.49	0.056	ug/L		07/28/11 14:42	08/08/11 12:27	10
beta-BHC	0.49	U	0.49	0.066	ug/L		07/28/11 14:42	08/08/11 12:27	10
Chlordane (technical)	4.9	U	4.9	0.99	ug/L		07/28/11 14:42	08/08/11 12:27	10
Chlorobenzilate	4.9	U	4.9	4.9	ug/L		07/28/11 14:42	08/08/11 12:27	10
4,4'-DDD	0.65	J	0.99	0.064	ug/L		07/28/11 14:42	08/08/11 12:27	10
4,4'-DDE	0.99	U	0.99	0.076	ug/L		07/28/11 14:42	08/08/11 12:27	10
4,4'-DDT	0.44	J	0.99	0.096	ug/L		07/28/11 14:42	08/08/11 12:27	10
delta-BHC	0.49	U	0.49	0.047	ug/L		07/28/11 14:42	08/08/11 12:27	10

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW17-072611

Lab Sample ID: 680-70758-5

Date Collected: 07/26/11 11:45

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	0.99	U	0.99	0.090	ug/L		07/28/11 14:42	08/08/11 12:27	10
Endosulfan I	0.49	U	0.49	0.042	ug/L		07/28/11 14:42	08/08/11 12:27	10
Endosulfan II	0.99	U	0.99	0.097	ug/L		07/28/11 14:42	08/08/11 12:27	10
Endosulfan sulfate	0.99	U	0.99	0.067	ug/L		07/28/11 14:42	08/08/11 12:27	10
Endrin	0.99	U	0.99	0.096	ug/L		07/28/11 14:42	08/08/11 12:27	10
Endrin aldehyde	0.99	U	0.99	0.16	ug/L		07/28/11 14:42	08/08/11 12:27	10
Endrin ketone	0.99	U	0.99	0.083	ug/L		07/28/11 14:42	08/08/11 12:27	10
gamma-BHC (Lindane)	0.49	U	0.49	0.058	ug/L		07/28/11 14:42	08/08/11 12:27	10
Heptachlor	0.49	U	0.49	0.069	ug/L		07/28/11 14:42	08/08/11 12:27	10
Heptachlor epoxide	0.49	U	0.49	0.059	ug/L		07/28/11 14:42	08/08/11 12:27	10
Isodrin	0.49	U	0.49	0.49	ug/L		07/28/11 14:42	08/08/11 12:27	10
Kepone	9.9	U	9.9	9.9	ug/L		07/28/11 14:42	08/08/11 12:27	10
Methoxychlor	0.99	U	0.99	0.13	ug/L		07/28/11 14:42	08/08/11 12:27	10
Toxaphene	49	U	49	4.9	ug/L		07/28/11 14:42	08/08/11 12:27	10
PCB-1016	9.9	U	9.9	0.70	ug/L		07/28/11 14:42	08/08/11 12:27	10
PCB-1221	20	U	20	2.8	ug/L		07/28/11 14:42	08/08/11 12:27	10
PCB-1232	9.9	U	9.9	1.1	ug/L		07/28/11 14:42	08/08/11 12:27	10
PCB-1242	9.9	U	9.9	1.8	ug/L		07/28/11 14:42	08/08/11 12:27	10
PCB-1248	9.9	U	9.9	3.6	ug/L		07/28/11 14:42	08/08/11 12:27	10
PCB-1254	9.9	U	9.9	2.6	ug/L		07/28/11 14:42	08/08/11 12:27	10
PCB-1260	9.9	U	9.9	2.0	ug/L		07/28/11 14:42	08/08/11 12:27	10

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	0	D	36 - 130	07/28/11 14:42	08/08/11 12:27	10
Tetrachloro-m-xylene	0	D	36 - 130	07/28/11 14:42	08/08/11 12:27	10
DCB Decachlorobiphenyl	0	D	40 - 130	07/28/11 14:42	08/08/11 12:27	10
DCB Decachlorobiphenyl	0	D	40 - 130	07/28/11 14:42	08/08/11 12:27	10

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.51	U	0.51	0.037	ug/L		07/28/11 08:04	07/29/11 19:40	1
Silvex (2,4,5-TP)	0.51	U	0.51	0.063	ug/L		07/28/11 08:04	07/29/11 19:40	1
2,4,5-T	0.51	U	0.51	0.063	ug/L		07/28/11 08:04	07/29/11 19:40	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	10096	E X	52 - 151	07/28/11 08:04	07/29/11 19:40	1
DCAA	289	p X	52 - 151	07/28/11 08:04	07/29/11 19:40	1

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		10	1.2	1		pg/L		07/28/11 09:00	07/30/11 13:38	1
1,2,3,7,8-PeCDD	ND		50	0.93	1		pg/L		07/28/11 09:00	07/30/11 13:38	1
1,2,3,4,7,8-HxCDD	ND		50	1.6	0.1		pg/L		07/28/11 09:00	07/30/11 13:38	1
1,2,3,6,7,8-HxCDD	ND		50	1.4	0.1		pg/L		07/28/11 09:00	07/30/11 13:38	1
1,2,3,7,8,9-HxCDD	ND		50	1.0	0.1		pg/L		07/28/11 09:00	07/30/11 13:38	1
1,2,3,4,6,7,8-HpCDD	ND		50	1.4	0.01		pg/L		07/28/11 09:00	07/30/11 13:38	1
OCDD	ND		100	3.4	0.0003		pg/L		07/28/11 09:00	07/30/11 13:38	1
2,3,7,8-TCDF	ND		10	8.0	0.1		pg/L		07/28/11 09:00	07/30/11 13:38	1
1,2,3,7,8-PeCDF	ND		50	0.50	0.03		pg/L		07/28/11 09:00	07/30/11 13:38	1
2,3,4,7,8-PeCDF	ND		50	0.90	0.3		pg/L		07/28/11 09:00	07/30/11 13:38	1
1,2,3,4,7,8-HxCDF	ND		50	0.97	0.1		pg/L		07/28/11 09:00	07/30/11 13:38	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-1

Client Sample ID: ASH-MW17-072611

Lab Sample ID: 680-70758-5

Date Collected: 07/26/11 11:45

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290) (Continued)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,6,7,8-HxCDF	ND		50	0.69	0.1		pg/L		07/28/11 09:00	07/30/11 13:38	1
2,3,4,6,7,8-HxCDF	ND		50	1.6	0.1		pg/L		07/28/11 09:00	07/30/11 13:38	1
1,2,3,7,8,9-HxCDF	ND		50	0.24	0.1		pg/L		07/28/11 09:00	07/30/11 13:38	1
1,2,3,4,6,7,8-HpCDF	ND		50	1.3	0.01		pg/L		07/28/11 09:00	07/30/11 13:38	1
1,2,3,4,7,8,9-HpCDF	ND		50	0.35	0.01		pg/L		07/28/11 09:00	07/30/11 13:38	1
OCDF	ND		100	1.7	0.0003		pg/L		07/28/11 09:00	07/30/11 13:38	1
2,3,7,8-TCDD	ND		10	1.2	1		pg/L		07/28/11 09:00	07/30/11 13:38	1
Total HxCDD	ND		50	1.6			pg/L		07/28/11 09:00	07/30/11 13:38	1
Total HxCDF	ND		50	1.6			pg/L		07/28/11 09:00	07/30/11 13:38	1
Total PeCDD	ND		50	0.93			pg/L		07/28/11 09:00	07/30/11 13:38	1
Total PeCDF	ND		50	5.8			pg/L		07/28/11 09:00	07/30/11 13:38	1
Total TCDD	ND		10	1.2			pg/L		07/28/11 09:00	07/30/11 13:38	1
Total TCDF	100		10	8.0			pg/L		07/28/11 09:00	07/30/11 13:38	1
Total TEQ (WHO 2005)						0.00					

Internal Standard	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	81		40 - 135	07/28/11 09:00	07/30/11 13:38	1
13C-2,3,7,8-TCDD	81		40 - 135	07/28/11 09:00	07/30/11 13:38	1
13C-1,2,3,7,8-PeCDD	78		40 - 135	07/28/11 09:00	07/30/11 13:38	1
13C-1,2,3,7,8-PeCDD	78		40 - 135	07/28/11 09:00	07/30/11 13:38	1
13C-1,2,3,6,7,8-HxCDD	80		40 - 135	07/28/11 09:00	07/30/11 13:38	1
13C-1,2,3,6,7,8-HxCDD	80		40 - 135	07/28/11 09:00	07/30/11 13:38	1
13C-1,2,3,4,6,7,8-HpCDD	70		40 - 135	07/28/11 09:00	07/30/11 13:38	1
13C-OCDD	75		40 - 135	07/28/11 09:00	07/30/11 13:38	1
13C-2,3,7,8-TCDF	88		40 - 135	07/28/11 09:00	07/30/11 13:38	1
13C-2,3,7,8-TCDF	88		40 - 135	07/28/11 09:00	07/30/11 13:38	1
13C-1,2,3,7,8-PeCDF	81		40 - 135	07/28/11 09:00	07/30/11 13:38	1
13C-1,2,3,7,8-PeCDF	81		40 - 135	07/28/11 09:00	07/30/11 13:38	1
13C-1,2,3,4,7,8-HxCDF	75		40 - 135	07/28/11 09:00	07/30/11 13:38	1
13C-1,2,3,4,7,8-HxCDF	75		40 - 135	07/28/11 09:00	07/30/11 13:38	1
13C-1,2,3,4,6,7,8-HpCDF	70		40 - 135	07/28/11 09:00	07/30/11 13:38	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.0	U	5.0	2.0	ug/L		08/01/11 08:48	08/06/11 23:11	1
Arsenic	28		2.5	1.3	ug/L		08/01/11 08:48	08/06/11 23:11	1
Barium	120		5.0	1.4	ug/L		08/01/11 08:48	08/06/11 23:11	1
Beryllium	0.50	U	0.50	0.15	ug/L		08/01/11 08:48	08/06/11 23:11	1
Cadmium	0.50	U	0.50	0.13	ug/L		08/01/11 08:48	08/06/11 23:11	1
Chromium	5.0	U	5.0	2.5	ug/L		08/01/11 08:48	08/06/11 23:11	1
Cobalt	0.69		0.50	0.12	ug/L		08/01/11 08:48	08/06/11 23:11	1
Copper	5.0	U	5.0	1.1	ug/L		08/01/11 08:48	08/06/11 23:11	1
Lead	1.5	U	1.5	0.50	ug/L		08/01/11 08:48	08/06/11 23:11	1
Nickel	5.0	U	5.0	2.0	ug/L		08/01/11 08:48	08/06/11 23:11	1
Selenium	2.5	U	2.5	1.1	ug/L		08/01/11 08:48	08/06/11 23:11	1
Silver	1.0	U	1.0	0.18	ug/L		08/01/11 08:48	08/06/11 23:11	1
Thallium	1.0	U	1.0	0.25	ug/L		08/01/11 08:48	08/06/11 23:11	1
Tin	5.0	U	5.0	1.4	ug/L		08/01/11 08:48	08/06/11 23:11	1
Vanadium	10	U	10	3.2	ug/L		08/01/11 08:48	08/06/11 23:11	1
Zinc	20	U	20	8.4	ug/L		08/01/11 08:48	08/06/11 23:11	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW17-072611

Lab Sample ID: 680-70758-5

Date Collected: 07/26/11 11:45

Matrix: Water

Date Received: 07/27/11 09:20

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		08/02/11 09:42	08/02/11 16:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		08/01/11 07:51	08/02/11 06:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	4.2		1.0	1.0	mg/L			07/27/11 14:10	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW23-072611

Lab Sample ID: 680-70758-6

Date Collected: 07/26/11 12:51

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	2000	J	2500	500	ug/L			07/30/11 07:35	100
Acetonitrile	4000	U	4000	1000	ug/L			07/30/11 07:35	100
Acrolein	2000	U	2000	740	ug/L			07/30/11 07:35	100
Acrylonitrile	2000	U	2000	720	ug/L			07/30/11 07:35	100
Benzene	8800		100	25	ug/L			07/30/11 07:35	100
Dichlorobromomethane	100	U	100	25	ug/L			07/30/11 07:35	100
Bromoform	100	U	100	50	ug/L			07/30/11 07:35	100
Bromomethane	100	U	100	80	ug/L			07/30/11 07:35	100
2-Butanone (MEK)	330	J	1000	100	ug/L			07/30/11 07:35	100
Carbon disulfide	390		200	60	ug/L			07/30/11 07:35	100
Carbon tetrachloride	100	U	100	50	ug/L			07/30/11 07:35	100
Chlorobenzene	140		100	25	ug/L			07/30/11 07:35	100
2-Chloro-1,3-butadiene	100	U	100	30	ug/L			07/30/11 07:35	100
Chloroethane	100	U	100	100	ug/L			07/30/11 07:35	100
Chloroform	3200		100	14	ug/L			07/30/11 07:35	100
Chloromethane	100	U	100	33	ug/L			07/30/11 07:35	100
3-Chloro-1-propene	100	U	100	20	ug/L			07/30/11 07:35	100
Chlorodibromomethane	100	U	100	10	ug/L			07/30/11 07:35	100
1,2-Dibromo-3-Chloropropane	100	U	100	44	ug/L			07/30/11 07:35	100
Ethylene Dibromide	100	U	100	25	ug/L			07/30/11 07:35	100
Dibromomethane	100	U	100	20	ug/L			07/30/11 07:35	100
trans-1,4-Dichloro-2-butene	200	U	200	50	ug/L			07/30/11 07:35	100
Dichlorodifluoromethane	100	U	100	25	ug/L			07/30/11 07:35	100
1,1-Dichloroethane	100	U	100	25	ug/L			07/30/11 07:35	100
1,2-Dichloroethane	100	U	100	10	ug/L			07/30/11 07:35	100
cis-1,2-Dichloroethene	100	U	100	15	ug/L			07/30/11 07:35	100
trans-1,2-Dichloroethene	100	U	100	20	ug/L			07/30/11 07:35	100
1,1-Dichloroethene	12	J	100	11	ug/L			07/30/11 07:35	100
1,2-Dichloropropane	100	U	100	13	ug/L			07/30/11 07:35	100
cis-1,3-Dichloropropene	100	U	100	11	ug/L			07/30/11 07:35	100
trans-1,3-Dichloropropene	100	U	100	21	ug/L			07/30/11 07:35	100
Ethylbenzene	100	U	100	11	ug/L			07/30/11 07:35	100
Ethyl methacrylate	100	U	100	25	ug/L			07/30/11 07:35	100
2-Hexanone	1000	U	1000	100	ug/L			07/30/11 07:35	100
Iodomethane	500	U	500	100	ug/L			07/30/11 07:35	100
Isobutyl alcohol	4000	U	4000	1100	ug/L			07/30/11 07:35	100
Methacrylonitrile	2000	U	2000	330	ug/L			07/30/11 07:35	100
Methylene Chloride	210	J	500	100	ug/L			07/30/11 07:35	100
Methyl methacrylate	100	U	100	48	ug/L			07/30/11 07:35	100
4-Methyl-2-pentanone (MIBK)	1100		1000	100	ug/L			07/30/11 07:35	100
Pentachloroethane	500	U	500	120	ug/L			07/30/11 07:35	100
Propionitrile	2000	U	2000	460	ug/L			07/30/11 07:35	100
Styrene	100	U	100	11	ug/L			07/30/11 07:35	100
1,1,1,2-Tetrachloroethane	100	U	100	33	ug/L			07/30/11 07:35	100
1,1,2,2-Tetrachloroethane	100	U	100	18	ug/L			07/30/11 07:35	100
Tetrachloroethene	100	U	100	15	ug/L			07/30/11 07:35	100
Toluene	1300		100	33	ug/L			07/30/11 07:35	100
1,1,1-Trichloroethane	100	U	100	50	ug/L			07/30/11 07:35	100
1,1,2-Trichloroethane	100	U	100	13	ug/L			07/30/11 07:35	100
Trichloroethene	100	U	100	13	ug/L			07/30/11 07:35	100

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW23-072611

Lab Sample ID: 680-70758-6

Date Collected: 07/26/11 12:51

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	100	U	100	25	ug/L			07/30/11 07:35	100
1,2,3-Trichloropropane	100	U	100	41	ug/L			07/30/11 07:35	100
Vinyl acetate	200	U	200	28	ug/L			07/30/11 07:35	100
Vinyl chloride	100	U	100	18	ug/L			07/30/11 07:35	100
Xylenes, Total	200	U	200	20	ug/L			07/30/11 07:35	100

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		70 - 130		07/30/11 07:35	100
Dibromofluoromethane	109		70 - 130		07/30/11 07:35	100
Toluene-d8 (Surr)	99		70 - 130		07/30/11 07:35	100

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	23	J	97	7.4	ug/L		07/28/11 14:42	08/03/11 16:39	10
Acenaphthylene	97	U	97	8.2	ug/L		07/28/11 14:42	08/03/11 16:39	10
Acetophenone	97	U	97	5.5	ug/L		07/28/11 14:42	08/03/11 16:39	10
2-Acetylaminofluorene	97	U	97	16	ug/L		07/28/11 14:42	08/03/11 16:39	10
alpha,alpha-Dimethyl phenethylamine	19000	U	19000	340	ug/L		07/28/11 14:42	08/03/11 16:39	10
4-Aminobiphenyl	97	U	97	12	ug/L		07/28/11 14:42	08/03/11 16:39	10
Aniline	190	U	190	20	ug/L		07/28/11 14:42	08/03/11 16:39	10
Anthracene	97	U	97	6.7	ug/L		07/28/11 14:42	08/03/11 16:39	10
Aramite, Total	97	U	97	8.8	ug/L		07/28/11 14:42	08/03/11 16:39	10
Benzo[a]anthracene	97	U	97	5.3	ug/L		07/28/11 14:42	08/03/11 16:39	10
Benzo[a]pyrene	97	U	97	6.9	ug/L		07/28/11 14:42	08/03/11 16:39	10
Benzo[b]fluoranthene	97	U	97	25	ug/L		07/28/11 14:42	08/03/11 16:39	10
Benzo[g,h,i]perylene	97	U	97	8.4	ug/L		07/28/11 14:42	08/03/11 16:39	10
Benzo[k]fluoranthene	97	U	97	12	ug/L		07/28/11 14:42	08/03/11 16:39	10
Benzyl alcohol	97	U	97	11	ug/L		07/28/11 14:42	08/03/11 16:39	10
1,1'-Biphenyl	57	J	97	5.6	ug/L		07/28/11 14:42	08/03/11 16:39	10
Bis(2-chloroethoxy)methane	97	U	97	9.1	ug/L		07/28/11 14:42	08/03/11 16:39	10
Bis(2-chloroethyl)ether	97	U	97	11	ug/L		07/28/11 14:42	08/03/11 16:39	10
bis(chloroisopropyl) ether	97	U	97	7.6	ug/L		07/28/11 14:42	08/03/11 16:39	10
Bis(2-ethylhexyl) phthalate	97	U	97	16	ug/L		07/28/11 14:42	08/03/11 16:39	10
4-Bromophenyl phenyl ether	97	U	97	7.5	ug/L		07/28/11 14:42	08/03/11 16:39	10
Butyl benzyl phthalate	97	U	97	12	ug/L		07/28/11 14:42	08/03/11 16:39	10
4-Chloroaniline	190	U	190	21	ug/L		07/28/11 14:42	08/03/11 16:39	10
4-Chloro-3-methylphenol	97	U	97	9.7	ug/L		07/28/11 14:42	08/03/11 16:39	10
2-Chloronaphthalene	97	U	97	7.8	ug/L		07/28/11 14:42	08/03/11 16:39	10
2-Chlorophenol	97	U	97	8.4	ug/L		07/28/11 14:42	08/03/11 16:39	10
4-Chlorophenyl phenyl ether	97	U	97	8.1	ug/L		07/28/11 14:42	08/03/11 16:39	10
Chrysene	97	U	97	4.9	ug/L		07/28/11 14:42	08/03/11 16:39	10
Diallylate	97	U	97	7.6	ug/L		07/28/11 14:42	08/03/11 16:39	10
Dibenz(a,h)anthracene	97	U	97	9.7	ug/L		07/28/11 14:42	08/03/11 16:39	10
Dibenzofuran	97	U	97	7.7	ug/L		07/28/11 14:42	08/03/11 16:39	10
1,2-Dichlorobenzene	97	U	97	5.1	ug/L		07/28/11 14:42	08/03/11 16:39	10
1,3-Dichlorobenzene	97	U	97	5.7	ug/L		07/28/11 14:42	08/03/11 16:39	10
1,4-Dichlorobenzene	97	U	97	5.2	ug/L		07/28/11 14:42	08/03/11 16:39	10
3,3'-Dichlorobenzidine	580	U	580	290	ug/L		07/28/11 14:42	08/03/11 16:39	10
2,4-Dichlorophenol	97	U	97	11	ug/L		07/28/11 14:42	08/03/11 16:39	10
2,6-Dichlorophenol	97	U	97	7.1	ug/L		07/28/11 14:42	08/03/11 16:39	10
Diethyl phthalate	97	U	97	8.5	ug/L		07/28/11 14:42	08/03/11 16:39	10

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW23-072611

Lab Sample ID: 680-70758-6

Date Collected: 07/26/11 12:51

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	97	U *	97	7.3	ug/L		07/28/11 14:42	08/03/11 16:39	10
7,12-Dimethylbenz(a)anthracene	97	U	97	12	ug/L		07/28/11 14:42	08/03/11 16:39	10
3,3'-Dimethylbenzidine	190	U	190	97	ug/L		07/28/11 14:42	08/03/11 16:39	10
2,4-Dimethylphenol	97	U	97	39	ug/L		07/28/11 14:42	08/03/11 16:39	10
Dimethyl phthalate	97	U	97	9.6	ug/L		07/28/11 14:42	08/03/11 16:39	10
Di-n-butyl phthalate	97	U	97	8.0	ug/L		07/28/11 14:42	08/03/11 16:39	10
1,3-Dinitrobenzene	97	U	97	5.8	ug/L		07/28/11 14:42	08/03/11 16:39	10
4,6-Dinitro-2-methylphenol	480	U	480	97	ug/L		07/28/11 14:42	08/03/11 16:39	10
2,4-Dinitrophenol	480	U	480	97	ug/L		07/28/11 14:42	08/03/11 16:39	10
2,4-Dinitrotoluene	97	U	97	12	ug/L		07/28/11 14:42	08/03/11 16:39	10
2,6-Dinitrotoluene	97	U	97	11	ug/L		07/28/11 14:42	08/03/11 16:39	10
Di-n-octyl phthalate	97	U	97	14	ug/L		07/28/11 14:42	08/03/11 16:39	10
Dinoseb	97	U	97	48	ug/L		07/28/11 14:42	08/03/11 16:39	10
1,4-Dioxane	890		97	33	ug/L		07/28/11 14:42	08/03/11 16:39	10
Disulfoton	97	U *	97	7.7	ug/L		07/28/11 14:42	08/03/11 16:39	10
Ethyl methanesulfonate	97	U	97	9.3	ug/L		07/28/11 14:42	08/03/11 16:39	10
Ethyl Parathion	97	U	97	13	ug/L		07/28/11 14:42	08/03/11 16:39	10
Famphur	97	U *	97	11	ug/L		07/28/11 14:42	08/03/11 16:39	10
Fluoranthene	97	U	97	7.2	ug/L		07/28/11 14:42	08/03/11 16:39	10
Fluorene	13 J		97	9.3	ug/L		07/28/11 14:42	08/03/11 16:39	10
Hexachlorobenzene	97	U	97	7.7	ug/L		07/28/11 14:42	08/03/11 16:39	10
Hexachlorobutadiene	97	U	97	6.0	ug/L		07/28/11 14:42	08/03/11 16:39	10
Hexachlorocyclopentadiene	97	U	97	24	ug/L		07/28/11 14:42	08/03/11 16:39	10
Hexachloroethane	97	U	97	7.4	ug/L		07/28/11 14:42	08/03/11 16:39	10
Hexachlorophene	48000	U	48000	260	ug/L		07/28/11 14:42	08/03/11 16:39	10
Hexachloropropene	97	U	97	14	ug/L		07/28/11 14:42	08/03/11 16:39	10
Indeno[1,2,3-cd]pyrene	97	U	97	9.7	ug/L		07/28/11 14:42	08/03/11 16:39	10
Isophorone	97	U	97	8.7	ug/L		07/28/11 14:42	08/03/11 16:39	10
Isosafrole	97	U	97	4.8	ug/L		07/28/11 14:42	08/03/11 16:39	10
Methapyrilene	19000	U	19000	26	ug/L		07/28/11 14:42	08/03/11 16:39	10
3-Methylcholanthrene	97	U	97	14	ug/L		07/28/11 14:42	08/03/11 16:39	10
Methyl methanesulfonate	97	U	97	5.8	ug/L		07/28/11 14:42	08/03/11 16:39	10
2-Methylnaphthalene	20 J		97	7.6	ug/L		07/28/11 14:42	08/03/11 16:39	10
Methyl parathion	97	U *	97	8.5	ug/L		07/28/11 14:42	08/03/11 16:39	10
2-Methylphenol	68 J		97	8.6	ug/L		07/28/11 14:42	08/03/11 16:39	10
3 & 4 Methylphenol	660		97	13	ug/L		07/28/11 14:42	08/03/11 16:39	10
Naphthalene	97	U	97	6.8	ug/L		07/28/11 14:42	08/03/11 16:39	10
1,4-Naphthoquinone	97	U	97	6.0	ug/L		07/28/11 14:42	08/03/11 16:39	10
1-Naphthylamine	97	U	97	11	ug/L		07/28/11 14:42	08/03/11 16:39	10
2-Naphthylamine	97	U	97	15	ug/L		07/28/11 14:42	08/03/11 16:39	10
2-Nitroaniline	480	U	480	13	ug/L		07/28/11 14:42	08/03/11 16:39	10
3-Nitroaniline	480	U	480	48	ug/L		07/28/11 14:42	08/03/11 16:39	10
4-Nitroaniline	480	U	480	48	ug/L		07/28/11 14:42	08/03/11 16:39	10
Nitrobenzene	97	U	97	7.1	ug/L		07/28/11 14:42	08/03/11 16:39	10
2-Nitrophenol	97	U	97	7.4	ug/L		07/28/11 14:42	08/03/11 16:39	10
4-Nitrophenol	480	U	480	18	ug/L		07/28/11 14:42	08/03/11 16:39	10
4-Nitroquinoline-1-oxide	190	U	190	97	ug/L		07/28/11 14:42	08/03/11 16:39	10
N-Nitro-o-toluidine	97	U	97	15	ug/L		07/28/11 14:42	08/03/11 16:39	10
N-Nitrosodiethylamine	97	U	97	9.0	ug/L		07/28/11 14:42	08/03/11 16:39	10
N-Nitrosodimethylamine	97	U	97	27	ug/L		07/28/11 14:42	08/03/11 16:39	10

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW23-072611

Lab Sample ID: 680-70758-6

Date Collected: 07/26/11 12:51

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-butylamine	97	U	97	9.3	ug/L		07/28/11 14:42	08/03/11 16:39	10
N-Nitrosodi-n-propylamine	97	U	97	7.0	ug/L		07/28/11 14:42	08/03/11 16:39	10
N-Nitrosodiphenylamine	97	U	97	8.9	ug/L		07/28/11 14:42	08/03/11 16:39	10
N-Nitrosomethylethylamine	97	U	97	32	ug/L		07/28/11 14:42	08/03/11 16:39	10
N-Nitrosomorpholine	97	U	97	8.1	ug/L		07/28/11 14:42	08/03/11 16:39	10
N-Nitrosopiperidine	97	U	97	8.5	ug/L		07/28/11 14:42	08/03/11 16:39	10
N-Nitrosopyrrolidine	97	U	97	9.7	ug/L		07/28/11 14:42	08/03/11 16:39	10
o,o',o''-Triethylphosphorothioate	97	U	97	9.7	ug/L		07/28/11 14:42	08/03/11 16:39	10
p-Dimethylamino azobenzene	97	U	97	7.7	ug/L		07/28/11 14:42	08/03/11 16:39	10
Pentachlorobenzene	97	U	97	5.0	ug/L		07/28/11 14:42	08/03/11 16:39	10
Pentachloronitrobenzene	97	U	97	7.6	ug/L		07/28/11 14:42	08/03/11 16:39	10
Pentachlorophenol	480	U	480	19	ug/L		07/28/11 14:42	08/03/11 16:39	10
Phenacetin	97	U	97	14	ug/L		07/28/11 14:42	08/03/11 16:39	10
Phenanthrene	11	J	97	7.5	ug/L		07/28/11 14:42	08/03/11 16:39	10
Phenol	140		97	8.0	ug/L		07/28/11 14:42	08/03/11 16:39	10
Phorate	97	U	97	8.4	ug/L		07/28/11 14:42	08/03/11 16:39	10
2-Picoline	97	U	97	14	ug/L		07/28/11 14:42	08/03/11 16:39	10
p-Phenylene diamine	19000	U	19000	97	ug/L		07/28/11 14:42	08/03/11 16:39	10
Pronamide	97	U	97	8.6	ug/L		07/28/11 14:42	08/03/11 16:39	10
Pyrene	97	U	97	6.1	ug/L		07/28/11 14:42	08/03/11 16:39	10
Pyridine	480	U	480	22	ug/L		07/28/11 14:42	08/03/11 16:39	10
Safrole, Total	97	U	97	7.8	ug/L		07/28/11 14:42	08/03/11 16:39	10
Sulfotep	97	U	97	5.1	ug/L		07/28/11 14:42	08/03/11 16:39	10
1,2,4,5-Tetrachlorobenzene	97	U	97	7.4	ug/L		07/28/11 14:42	08/03/11 16:39	10
2,3,4,6-Tetrachlorophenol	97	U	97	7.0	ug/L		07/28/11 14:42	08/03/11 16:39	10
Thionazin	97	U	97	8.8	ug/L		07/28/11 14:42	08/03/11 16:39	10
2-Toluidine	97	U	97	14	ug/L		07/28/11 14:42	08/03/11 16:39	10
1,2,4-Trichlorobenzene	97	U	97	5.4	ug/L		07/28/11 14:42	08/03/11 16:39	10
2,4,5-Trichlorophenol	97	U	97	12	ug/L		07/28/11 14:42	08/03/11 16:39	10
2,4,6-Trichlorophenol	97	U	97	8.2	ug/L		07/28/11 14:42	08/03/11 16:39	10
1,3,5-Trinitrobenzene	97	U	97	19	ug/L		07/28/11 14:42	08/03/11 16:39	10

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	0	D	38 - 130	07/28/11 14:42	08/03/11 16:39	10
2-Fluorophenol	0	D	25 - 130	07/28/11 14:42	08/03/11 16:39	10
Nitrobenzene-d5	0	D	39 - 130	07/28/11 14:42	08/03/11 16:39	10
Phenol-d5	0	D	25 - 130	07/28/11 14:42	08/03/11 16:39	10
Terphenyl-d14	0	D	10 - 143	07/28/11 14:42	08/03/11 16:39	10
2,4,6-Tribromophenol	0	D	31 - 141	07/28/11 14:42	08/03/11 16:39	10

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.049	U	0.049	0.0069	ug/L		07/28/11 14:42	08/01/11 21:55	1
alpha-BHC	0.049	U	0.049	0.0056	ug/L		07/28/11 14:42	08/01/11 21:55	1
beta-BHC	0.049	U *	0.049	0.0066	ug/L		07/28/11 14:42	08/01/11 21:55	1
Chlordane (technical)	0.49	U	0.49	0.099	ug/L		07/28/11 14:42	08/01/11 21:55	1
Chlorobenzilate	0.49	U	0.49	0.49	ug/L		07/28/11 14:42	08/01/11 21:55	1
4,4'-DDD	0.099	U	0.099	0.0064	ug/L		07/28/11 14:42	08/01/11 21:55	1
4,4'-DDE	0.099	U	0.099	0.0076	ug/L		07/28/11 14:42	08/01/11 21:55	1
4,4'-DDT	0.099	U	0.099	0.0096	ug/L		07/28/11 14:42	08/01/11 21:55	1
delta-BHC	0.049	U	0.049	0.0047	ug/L		07/28/11 14:42	08/01/11 21:55	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW23-072611

Lab Sample ID: 680-70758-6

Date Collected: 07/26/11 12:51

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	0.099	U	0.099	0.0090	ug/L		07/28/11 14:42	08/01/11 21:55	1
Endosulfan I	0.049	U	0.049	0.0041	ug/L		07/28/11 14:42	08/01/11 21:55	1
Endosulfan II	0.099	U	0.099	0.0097	ug/L		07/28/11 14:42	08/01/11 21:55	1
Endosulfan sulfate	0.099	U	0.099	0.0067	ug/L		07/28/11 14:42	08/01/11 21:55	1
Endrin	0.099	U *	0.099	0.0096	ug/L		07/28/11 14:42	08/01/11 21:55	1
Endrin aldehyde	0.099	U	0.099	0.016	ug/L		07/28/11 14:42	08/01/11 21:55	1
Endrin ketone	0.099	U	0.099	0.0083	ug/L		07/28/11 14:42	08/01/11 21:55	1
gamma-BHC (Lindane)	0.049	U	0.049	0.0058	ug/L		07/28/11 14:42	08/01/11 21:55	1
Heptachlor	0.049	U	0.049	0.0069	ug/L		07/28/11 14:42	08/01/11 21:55	1
Heptachlor epoxide	0.049	U	0.049	0.0059	ug/L		07/28/11 14:42	08/01/11 21:55	1
Isodrin	0.049	U	0.049	0.049	ug/L		07/28/11 14:42	08/01/11 21:55	1
Kepone	0.99	U	0.99	0.99	ug/L		07/28/11 14:42	08/01/11 21:55	1
Methoxychlor	0.099	U	0.099	0.013	ug/L		07/28/11 14:42	08/01/11 21:55	1
Toxaphene	4.9	U	4.9	0.49	ug/L		07/28/11 14:42	08/01/11 21:55	1
PCB-1016	0.99	U	0.99	0.070	ug/L		07/28/11 14:42	08/01/11 21:55	1
PCB-1221	2.0	U	2.0	0.28	ug/L		07/28/11 14:42	08/01/11 21:55	1
PCB-1232	0.99	U	0.99	0.11	ug/L		07/28/11 14:42	08/01/11 21:55	1
PCB-1242	0.99	U	0.99	0.18	ug/L		07/28/11 14:42	08/01/11 21:55	1
PCB-1248	0.99	U	0.99	0.35	ug/L		07/28/11 14:42	08/01/11 21:55	1
PCB-1254	0.99	U	0.99	0.26	ug/L		07/28/11 14:42	08/01/11 21:55	1
PCB-1260	0.99	U	0.99	0.20	ug/L		07/28/11 14:42	08/01/11 21:55	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	109		36 - 130	07/28/11 14:42	08/01/11 21:55	1
Tetrachloro-m-xylene	4	p X	36 - 130	07/28/11 14:42	08/01/11 21:55	1
DCB Decachlorobiphenyl	11	X	40 - 130	07/28/11 14:42	08/01/11 21:55	1
DCB Decachlorobiphenyl	0.5	p X	40 - 130	07/28/11 14:42	08/01/11 21:55	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	6.0	E p	0.50	0.037	ug/L		07/28/11 08:04	07/29/11 19:56	1
Silvex (2,4,5-TP)	0.50	U	0.50	0.062	ug/L		07/28/11 08:04	07/29/11 19:56	1
2,4,5-T	0.50	U	0.50	0.062	ug/L		07/28/11 08:04	07/29/11 19:56	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	4231	E X	52 - 151	07/28/11 08:04	07/29/11 19:56	1
DCAA	356	p X	52 - 151	07/28/11 08:04	07/29/11 19:56	1

Method: 8151A - Herbicides (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	10	D	2.0	0.15	ug/L		07/28/11 08:04	08/01/11 16:39	4
Silvex (2,4,5-TP)	2.0	U	2.0	0.25	ug/L		07/28/11 08:04	08/01/11 16:39	4
2,4,5-T	0.76	J	2.0	0.25	ug/L		07/28/11 08:04	08/01/11 16:39	4

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	215	X	52 - 151	07/28/11 08:04	08/01/11 16:39	4
DCAA	2867	E X	52 - 151	07/28/11 08:04	08/01/11 16:39	4

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		10	0.40	1		pg/L		07/28/11 09:00	07/30/11 14:22	1.01

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW23-072611

Lab Sample ID: 680-70758-6

Date Collected: 07/26/11 12:51

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290) (Continued)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,7,8-PeCDD	ND		51	0.47	1		pg/L		07/28/11 09:00	07/30/11 14:22	1.01
1,2,3,4,7,8-HxCDD	ND		51	0.35	0.1		pg/L		07/28/11 09:00	07/30/11 14:22	1.01
1,2,3,6,7,8-HxCDD	ND		51	0.30	0.1		pg/L		07/28/11 09:00	07/30/11 14:22	1.01
1,2,3,7,8,9-HxCDD	ND		51	0.29	0.1		pg/L		07/28/11 09:00	07/30/11 14:22	1.01
1,2,3,4,6,7,8-HpCDD	ND		51	4.1	0.01		pg/L		07/28/11 09:00	07/30/11 14:22	1.01
OCDD	ND		100	25	0.0003		pg/L		07/28/11 09:00	07/30/11 14:22	1.01
2,3,7,8-TCDF	ND		10	0.29	0.1		pg/L		07/28/11 09:00	07/30/11 14:22	1.01
1,2,3,7,8-PeCDF	ND		51	0.30	0.03		pg/L		07/28/11 09:00	07/30/11 14:22	1.01
2,3,4,7,8-PeCDF	ND		51	0.28	0.3		pg/L		07/28/11 09:00	07/30/11 14:22	1.01
1,2,3,4,7,8-HxCDF	ND		51	0.14	0.1		pg/L		07/28/11 09:00	07/30/11 14:22	1.01
1,2,3,6,7,8-HxCDF	ND		51	0.40	0.1		pg/L		07/28/11 09:00	07/30/11 14:22	1.01
2,3,4,6,7,8-HxCDF	ND		51	0.13	0.1		pg/L		07/28/11 09:00	07/30/11 14:22	1.01
1,2,3,7,8,9-HxCDF	ND		51	0.15	0.1		pg/L		07/28/11 09:00	07/30/11 14:22	1.01
1,2,3,4,6,7,8-HpCDF	ND		51	2.0	0.01		pg/L		07/28/11 09:00	07/30/11 14:22	1.01
1,2,3,4,7,8,9-HpCDF	ND		51	0.34	0.01		pg/L		07/28/11 09:00	07/30/11 14:22	1.01
OCDF	ND		100	3.3	0.0003		pg/L		07/28/11 09:00	07/30/11 14:22	1.01
2,3,7,8-TCDD	ND		10	0.40	1		pg/L		07/28/11 09:00	07/30/11 14:22	1.01
Total HxCDD	ND		51	0.43			pg/L		07/28/11 09:00	07/30/11 14:22	1.01
Total HxCDF	ND		51	0.40			pg/L		07/28/11 09:00	07/30/11 14:22	1.01
Total PeCDD	ND		51	0.47			pg/L		07/28/11 09:00	07/30/11 14:22	1.01
Total PeCDF	ND		51	0.42			pg/L		07/28/11 09:00	07/30/11 14:22	1.01
Total TCDD	ND		10	0.40			pg/L		07/28/11 09:00	07/30/11 14:22	1.01
Total TCDF	ND		10	0.29			pg/L		07/28/11 09:00	07/30/11 14:22	1.01

Total TEQ (WHO 2005)

0.00

Internal Standard	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	79		40 - 135	07/28/11 09:00	07/30/11 14:22	1.01
13C-2,3,7,8-TCDD	79		40 - 135	07/28/11 09:00	07/30/11 14:22	1.01
13C-1,2,3,7,8-PeCDD	75		40 - 135	07/28/11 09:00	07/30/11 14:22	1.01
13C-1,2,3,7,8-PeCDD	75		40 - 135	07/28/11 09:00	07/30/11 14:22	1.01
13C-1,2,3,6,7,8-HxCDD	87		40 - 135	07/28/11 09:00	07/30/11 14:22	1.01
13C-1,2,3,6,7,8-HxCDD	87		40 - 135	07/28/11 09:00	07/30/11 14:22	1.01
13C-1,2,3,4,6,7,8-HpCDD	68		40 - 135	07/28/11 09:00	07/30/11 14:22	1.01
13C-OCDD	73		40 - 135	07/28/11 09:00	07/30/11 14:22	1.01
13C-2,3,7,8-TCDF	86		40 - 135	07/28/11 09:00	07/30/11 14:22	1.01
13C-2,3,7,8-TCDF	86		40 - 135	07/28/11 09:00	07/30/11 14:22	1.01
13C-1,2,3,7,8-PeCDF	79		40 - 135	07/28/11 09:00	07/30/11 14:22	1.01
13C-1,2,3,7,8-PeCDF	79		40 - 135	07/28/11 09:00	07/30/11 14:22	1.01
13C-1,2,3,4,7,8-HxCDF	76		40 - 135	07/28/11 09:00	07/30/11 14:22	1.01
13C-1,2,3,4,7,8-HxCDF	76		40 - 135	07/28/11 09:00	07/30/11 14:22	1.01
13C-1,2,3,4,6,7,8-HpCDF	70		40 - 135	07/28/11 09:00	07/30/11 14:22	1.01

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.0	U	5.0	2.0	ug/L		08/01/11 08:48	08/06/11 23:18	1
Arsenic	19		2.5	1.3	ug/L		08/01/11 08:48	08/06/11 23:18	1
Barium	240		5.0	1.4	ug/L		08/01/11 08:48	08/06/11 23:18	1
Beryllium	3.3		0.50	0.15	ug/L		08/01/11 08:48	08/06/11 23:18	1
Cadmium	0.50	U	0.50	0.13	ug/L		08/01/11 08:48	08/06/11 23:18	1
Chromium	5.0		5.0	2.5	ug/L		08/01/11 08:48	08/06/11 23:18	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW23-072611

Lab Sample ID: 680-70758-6

Date Collected: 07/26/11 12:51

Matrix: Water

Date Received: 07/27/11 09:20

Method: 6020 - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.71		0.50	0.12	ug/L		08/01/11 08:48	08/06/11 23:18	1
Copper	5.0	U	5.0	1.1	ug/L		08/01/11 08:48	08/06/11 23:18	1
Lead	1.5	U	1.5	0.50	ug/L		08/01/11 08:48	08/06/11 23:18	1
Nickel	2.7	J	5.0	2.0	ug/L		08/01/11 08:48	08/06/11 23:18	1
Selenium	1.3	J	2.5	1.1	ug/L		08/01/11 08:48	08/06/11 23:18	1
Silver	1.0	U	1.0	0.18	ug/L		08/01/11 08:48	08/06/11 23:18	1
Thallium	1.0	U	1.0	0.25	ug/L		08/01/11 08:48	08/06/11 23:18	1
Tin	5.0	U	5.0	1.4	ug/L		08/01/11 08:48	08/06/11 23:18	1
Vanadium	16		10	3.2	ug/L		08/01/11 08:48	08/06/11 23:18	1
Zinc	20	U	20	8.4	ug/L		08/01/11 08:48	08/06/11 23:18	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		08/02/11 09:42	08/02/11 17:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		08/01/11 07:51	08/02/11 06:51	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	7.9		1.0	1.0	mg/L			07/27/11 14:10	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW19-072611

Lab Sample ID: 680-70758-7

Date Collected: 07/26/11 14:20

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6.5	J	25	5.0	ug/L			07/29/11 19:34	1
Acetonitrile	40	U	40	10	ug/L			07/29/11 19:34	1
Acrolein	20	U	20	7.4	ug/L			07/29/11 19:34	1
Acrylonitrile	20	U	20	7.2	ug/L			07/29/11 19:34	1
Benzene	54		1.0	0.25	ug/L			07/29/11 19:34	1
Dichlorobromomethane	1.0	U	1.0	0.25	ug/L			07/29/11 19:34	1
Bromoform	1.0	U *	1.0	0.50	ug/L			07/29/11 19:34	1
Bromomethane	1.0	U	1.0	0.80	ug/L			07/29/11 19:34	1
2-Butanone (MEK)	10	U	10	1.0	ug/L			07/29/11 19:34	1
Carbon disulfide	2.0	U	2.0	0.60	ug/L			07/29/11 19:34	1
Carbon tetrachloride	3.5		1.0	0.50	ug/L			07/29/11 19:34	1
Chlorobenzene	9.9		1.0	0.25	ug/L			07/29/11 19:34	1
2-Chloro-1,3-butadiene	1.0	U	1.0	0.30	ug/L			07/29/11 19:34	1
Chloroethane	1.0	U	1.0	1.0	ug/L			07/29/11 19:34	1
Chloroform	3.3		1.0	0.14	ug/L			07/29/11 19:34	1
Chloromethane	1.0	U	1.0	0.33	ug/L			07/29/11 19:34	1
3-Chloro-1-propene	1.0	U	1.0	0.20	ug/L			07/29/11 19:34	1
Chlorodibromomethane	1.0	U	1.0	0.10	ug/L			07/29/11 19:34	1
1,2-Dibromo-3-Chloropropane	1.0	U *	1.0	0.44	ug/L			07/29/11 19:34	1
Ethylene Dibromide	1.0	U	1.0	0.25	ug/L			07/29/11 19:34	1
Dibromomethane	1.0	U	1.0	0.20	ug/L			07/29/11 19:34	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0	0.50	ug/L			07/29/11 19:34	1
Dichlorodifluoromethane	1.0	U	1.0	0.25	ug/L			07/29/11 19:34	1
1,1-Dichloroethane	1.0	U	1.0	0.25	ug/L			07/29/11 19:34	1
1,2-Dichloroethane	1.0	U	1.0	0.10	ug/L			07/29/11 19:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.15	ug/L			07/29/11 19:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			07/29/11 19:34	1
1,1-Dichloroethene	0.97	J	1.0	0.11	ug/L			07/29/11 19:34	1
1,2-Dichloropropane	1.0	U	1.0	0.13	ug/L			07/29/11 19:34	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.11	ug/L			07/29/11 19:34	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			07/29/11 19:34	1
Ethylbenzene	1.3		1.0	0.11	ug/L			07/29/11 19:34	1
Ethyl methacrylate	1.0	U	1.0	0.25	ug/L			07/29/11 19:34	1
2-Hexanone	10	U	10	1.0	ug/L			07/29/11 19:34	1
Iodomethane	5.0	U	5.0	1.0	ug/L			07/29/11 19:34	1
Isobutyl alcohol	32	J	40	11	ug/L			07/29/11 19:34	1
Methacrylonitrile	20	U	20	3.3	ug/L			07/29/11 19:34	1
Methylene Chloride	5.0	U	5.0	1.0	ug/L			07/29/11 19:34	1
Methyl methacrylate	1.0	U	1.0	0.48	ug/L			07/29/11 19:34	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0	ug/L			07/29/11 19:34	1
Pentachloroethane	5.0	U	5.0	1.2	ug/L			07/29/11 19:34	1
Propionitrile	20	U	20	4.6	ug/L			07/29/11 19:34	1
Styrene	1.0	U	1.0	0.11	ug/L			07/29/11 19:34	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.33	ug/L			07/29/11 19:34	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			07/29/11 19:34	1
Tetrachloroethene	0.34	J	1.0	0.15	ug/L			07/29/11 19:34	1
Toluene	2.4		1.0	0.33	ug/L			07/29/11 19:34	1
1,1,1-Trichloroethane	1.0	U	1.0	0.50	ug/L			07/29/11 19:34	1
1,1,2-Trichloroethane	1.0	U	1.0	0.13	ug/L			07/29/11 19:34	1
Trichloroethene	1.0	U	1.0	0.13	ug/L			07/29/11 19:34	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW19-072611

Lab Sample ID: 680-70758-7

Date Collected: 07/26/11 14:20

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	1.0	U	1.0	0.25	ug/L			07/29/11 19:34	1
1,2,3-Trichloropropane	1.0	U	1.0	0.41	ug/L			07/29/11 19:34	1
Vinyl acetate	2.0	U	2.0	0.28	ug/L			07/29/11 19:34	1
Vinyl chloride	1.0	U	1.0	0.18	ug/L			07/29/11 19:34	1
Xylenes, Total	1.6	J	2.0	0.20	ug/L			07/29/11 19:34	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		70 - 130		07/29/11 19:34	1
Dibromofluoromethane	109		70 - 130		07/29/11 19:34	1
Toluene-d8 (Surr)	101		70 - 130		07/29/11 19:34	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	99	U	99	7.5	ug/L		07/28/11 14:42	08/04/11 13:47	10
Acenaphthylene	99	U	99	8.4	ug/L		07/28/11 14:42	08/04/11 13:47	10
Acetophenone	99	U	99	5.7	ug/L		07/28/11 14:42	08/04/11 13:47	10
2-Acetylaminofluorene	99	U	99	16	ug/L		07/28/11 14:42	08/04/11 13:47	10
alpha,alpha-Dimethyl phenethylamine	20000	U	20000	350	ug/L		07/28/11 14:42	08/04/11 13:47	10
4-Aminobiphenyl	99	U	99	12	ug/L		07/28/11 14:42	08/04/11 13:47	10
Aniline	200	U	200	21	ug/L		07/28/11 14:42	08/04/11 13:47	10
Anthracene	99	U	99	6.8	ug/L		07/28/11 14:42	08/04/11 13:47	10
Aramite, Total	99	U	99	9.0	ug/L		07/28/11 14:42	08/04/11 13:47	10
Benzo[a]anthracene	99	U	99	5.5	ug/L		07/28/11 14:42	08/04/11 13:47	10
Benzo[a]pyrene	99	U	99	7.0	ug/L		07/28/11 14:42	08/04/11 13:47	10
Benzo[b]fluoranthene	99	U	99	26	ug/L		07/28/11 14:42	08/04/11 13:47	10
Benzo[g,h,i]perylene	99	U	99	8.6	ug/L		07/28/11 14:42	08/04/11 13:47	10
Benzo[k]fluoranthene	99	U	99	12	ug/L		07/28/11 14:42	08/04/11 13:47	10
Benzyl alcohol	99	U	99	11	ug/L		07/28/11 14:42	08/04/11 13:47	10
1,1'-Biphenyl	770		99	5.8	ug/L		07/28/11 14:42	08/04/11 13:47	10
Bis(2-chloroethoxy)methane	99	U	99	9.3	ug/L		07/28/11 14:42	08/04/11 13:47	10
Bis(2-chloroethyl)ether	99	U	99	11	ug/L		07/28/11 14:42	08/04/11 13:47	10
bis(chloroisopropyl) ether	99	U	99	7.7	ug/L		07/28/11 14:42	08/04/11 13:47	10
Bis(2-ethylhexyl) phthalate	99	U	99	16	ug/L		07/28/11 14:42	08/04/11 13:47	10
4-Bromophenyl phenyl ether	99	U	99	7.6	ug/L		07/28/11 14:42	08/04/11 13:47	10
Butyl benzyl phthalate	99	U	99	12	ug/L		07/28/11 14:42	08/04/11 13:47	10
4-Chloroaniline	200	U	200	22	ug/L		07/28/11 14:42	08/04/11 13:47	10
4-Chloro-3-methylphenol	99	U	99	9.9	ug/L		07/28/11 14:42	08/04/11 13:47	10
2-Chloronaphthalene	99	U	99	7.9	ug/L		07/28/11 14:42	08/04/11 13:47	10
2-Chlorophenol	99	U	99	8.6	ug/L		07/28/11 14:42	08/04/11 13:47	10
4-Chlorophenyl phenyl ether	99	U	99	8.3	ug/L		07/28/11 14:42	08/04/11 13:47	10
Chrysene	99	U	99	5.1	ug/L		07/28/11 14:42	08/04/11 13:47	10
Diallylate	99	U	99	7.7	ug/L		07/28/11 14:42	08/04/11 13:47	10
Dibenz(a,h)anthracene	99	U	99	9.9	ug/L		07/28/11 14:42	08/04/11 13:47	10
Dibenzofuran	99	U	99	7.8	ug/L		07/28/11 14:42	08/04/11 13:47	10
1,2-Dichlorobenzene	99	U	99	5.3	ug/L		07/28/11 14:42	08/04/11 13:47	10
1,3-Dichlorobenzene	99	U	99	5.9	ug/L		07/28/11 14:42	08/04/11 13:47	10
1,4-Dichlorobenzene	99	U	99	5.4	ug/L		07/28/11 14:42	08/04/11 13:47	10
3,3'-Dichlorobenzidine	600	U	600	300	ug/L		07/28/11 14:42	08/04/11 13:47	10
2,4-Dichlorophenol	99	U	99	11	ug/L		07/28/11 14:42	08/04/11 13:47	10
2,6-Dichlorophenol	99	U	99	7.2	ug/L		07/28/11 14:42	08/04/11 13:47	10
Diethyl phthalate	99	U	99	8.7	ug/L		07/28/11 14:42	08/04/11 13:47	10

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW19-072611

Lab Sample ID: 680-70758-7

Date Collected: 07/26/11 14:20

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	99	U *	99	7.4	ug/L		07/28/11 14:42	08/04/11 13:47	10
7,12-Dimethylbenz(a)anthracene	99	U	99	12	ug/L		07/28/11 14:42	08/04/11 13:47	10
3,3'-Dimethylbenzidine	200	U	200	99	ug/L		07/28/11 14:42	08/04/11 13:47	10
2,4-Dimethylphenol	99	U	99	40	ug/L		07/28/11 14:42	08/04/11 13:47	10
Dimethyl phthalate	99	U	99	9.8	ug/L		07/28/11 14:42	08/04/11 13:47	10
Di-n-butyl phthalate	99	U	99	8.2	ug/L		07/28/11 14:42	08/04/11 13:47	10
1,3-Dinitrobenzene	99	U	99	6.0	ug/L		07/28/11 14:42	08/04/11 13:47	10
4,6-Dinitro-2-methylphenol	500	U	500	99	ug/L		07/28/11 14:42	08/04/11 13:47	10
2,4-Dinitrophenol	500	U	500	99	ug/L		07/28/11 14:42	08/04/11 13:47	10
2,4-Dinitrotoluene	99	U	99	12	ug/L		07/28/11 14:42	08/04/11 13:47	10
2,6-Dinitrotoluene	99	U	99	11	ug/L		07/28/11 14:42	08/04/11 13:47	10
Di-n-octyl phthalate	99	U	99	14	ug/L		07/28/11 14:42	08/04/11 13:47	10
Dinoseb	99	U	99	50	ug/L		07/28/11 14:42	08/04/11 13:47	10
1,4-Dioxane	99	U	99	34	ug/L		07/28/11 14:42	08/04/11 13:47	10
Disulfoton	99	U *	99	7.8	ug/L		07/28/11 14:42	08/04/11 13:47	10
Ethyl methanesulfonate	99	U	99	9.5	ug/L		07/28/11 14:42	08/04/11 13:47	10
Ethyl Parathion	99	U	99	13	ug/L		07/28/11 14:42	08/04/11 13:47	10
Famphur	99	U *	99	11	ug/L		07/28/11 14:42	08/04/11 13:47	10
Fluoranthene	99	U	99	7.3	ug/L		07/28/11 14:42	08/04/11 13:47	10
Fluorene	99	U	99	9.5	ug/L		07/28/11 14:42	08/04/11 13:47	10
Hexachlorobenzene	99	U	99	7.8	ug/L		07/28/11 14:42	08/04/11 13:47	10
Hexachlorobutadiene	99	U	99	6.2	ug/L		07/28/11 14:42	08/04/11 13:47	10
Hexachlorocyclopentadiene	99	U	99	25	ug/L		07/28/11 14:42	08/04/11 13:47	10
Hexachloroethane	99	U	99	7.5	ug/L		07/28/11 14:42	08/04/11 13:47	10
Hexachlorophene	50000	U	50000	270	ug/L		07/28/11 14:42	08/04/11 13:47	10
Hexachloropropene	99	U	99	14	ug/L		07/28/11 14:42	08/04/11 13:47	10
Indeno[1,2,3-cd]pyrene	99	U	99	9.9	ug/L		07/28/11 14:42	08/04/11 13:47	10
Isophorone	99	U	99	8.9	ug/L		07/28/11 14:42	08/04/11 13:47	10
Isosafrole	99	U	99	5.0	ug/L		07/28/11 14:42	08/04/11 13:47	10
Methapyrilene	20000	U	20000	27	ug/L		07/28/11 14:42	08/04/11 13:47	10
3-Methylcholanthrene	99	U	99	14	ug/L		07/28/11 14:42	08/04/11 13:47	10
Methyl methanesulfonate	99	U	99	6.0	ug/L		07/28/11 14:42	08/04/11 13:47	10
2-Methylnaphthalene	99	U	99	7.7	ug/L		07/28/11 14:42	08/04/11 13:47	10
Methyl parathion	99	U *	99	8.7	ug/L		07/28/11 14:42	08/04/11 13:47	10
2-Methylphenol	99	U	99	8.8	ug/L		07/28/11 14:42	08/04/11 13:47	10
3 & 4 Methylphenol	99	U	99	13	ug/L		07/28/11 14:42	08/04/11 13:47	10
Naphthalene	9.5	J	99	6.9	ug/L		07/28/11 14:42	08/04/11 13:47	10
1,4-Naphthoquinone	99	U	99	6.2	ug/L		07/28/11 14:42	08/04/11 13:47	10
1-Naphthylamine	99	U	99	11	ug/L		07/28/11 14:42	08/04/11 13:47	10
2-Naphthylamine	99	U	99	15	ug/L		07/28/11 14:42	08/04/11 13:47	10
2-Nitroaniline	500	U	500	13	ug/L		07/28/11 14:42	08/04/11 13:47	10
3-Nitroaniline	500	U	500	50	ug/L		07/28/11 14:42	08/04/11 13:47	10
4-Nitroaniline	500	U	500	50	ug/L		07/28/11 14:42	08/04/11 13:47	10
Nitrobenzene	99	U	99	7.2	ug/L		07/28/11 14:42	08/04/11 13:47	10
2-Nitrophenol	99	U	99	7.5	ug/L		07/28/11 14:42	08/04/11 13:47	10
4-Nitrophenol	500	U	500	19	ug/L		07/28/11 14:42	08/04/11 13:47	10
4-Nitroquinoline-1-oxide	200	U	200	99	ug/L		07/28/11 14:42	08/04/11 13:47	10
N-Nitro-o-toluidine	99	U	99	15	ug/L		07/28/11 14:42	08/04/11 13:47	10
N-Nitrosodiethylamine	99	U	99	9.2	ug/L		07/28/11 14:42	08/04/11 13:47	10
N-Nitrosodimethylamine	99	U	99	28	ug/L		07/28/11 14:42	08/04/11 13:47	10

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW19-072611

Lab Sample ID: 680-70758-7

Date Collected: 07/26/11 14:20

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-butylamine	99	U	99	9.5	ug/L		07/28/11 14:42	08/04/11 13:47	10
N-Nitrosodi-n-propylamine	99	U	99	7.1	ug/L		07/28/11 14:42	08/04/11 13:47	10
N-Nitrosodiphenylamine	99	U	99	9.1	ug/L		07/28/11 14:42	08/04/11 13:47	10
N-Nitrosomethylethylamine	99	U	99	33	ug/L		07/28/11 14:42	08/04/11 13:47	10
N-Nitrosomorpholine	99	U	99	8.3	ug/L		07/28/11 14:42	08/04/11 13:47	10
N-Nitrosopiperidine	99	U	99	8.7	ug/L		07/28/11 14:42	08/04/11 13:47	10
N-Nitrosopyrrolidine	99	U	99	9.9	ug/L		07/28/11 14:42	08/04/11 13:47	10
o,o',o''-Triethylphosphorothioate	99	U	99	9.9	ug/L		07/28/11 14:42	08/04/11 13:47	10
p-Dimethylamino azobenzene	99	U	99	7.8	ug/L		07/28/11 14:42	08/04/11 13:47	10
Pentachlorobenzene	99	U	99	5.2	ug/L		07/28/11 14:42	08/04/11 13:47	10
Pentachloronitrobenzene	99	U	99	7.7	ug/L		07/28/11 14:42	08/04/11 13:47	10
Pentachlorophenol	500	U	500	20	ug/L		07/28/11 14:42	08/04/11 13:47	10
Phenacetin	99	U	99	14	ug/L		07/28/11 14:42	08/04/11 13:47	10
Phenanthrene	99	U	99	7.6	ug/L		07/28/11 14:42	08/04/11 13:47	10
Phenol	36	J	99	8.2	ug/L		07/28/11 14:42	08/04/11 13:47	10
Phorate	99	U	99	8.6	ug/L		07/28/11 14:42	08/04/11 13:47	10
2-Picoline	99	U	99	14	ug/L		07/28/11 14:42	08/04/11 13:47	10
p-Phenylene diamine	20000	U	20000	99	ug/L		07/28/11 14:42	08/04/11 13:47	10
Pronamide	99	U	99	8.8	ug/L		07/28/11 14:42	08/04/11 13:47	10
Pyrene	99	U	99	6.2	ug/L		07/28/11 14:42	08/04/11 13:47	10
Pyridine	500	U	500	23	ug/L		07/28/11 14:42	08/04/11 13:47	10
Safrole, Total	99	U	99	7.9	ug/L		07/28/11 14:42	08/04/11 13:47	10
Sulfotep	99	U	99	5.3	ug/L		07/28/11 14:42	08/04/11 13:47	10
1,2,4,5-Tetrachlorobenzene	99	U	99	7.5	ug/L		07/28/11 14:42	08/04/11 13:47	10
2,3,4,6-Tetrachlorophenol	99	U	99	7.1	ug/L		07/28/11 14:42	08/04/11 13:47	10
Thionazin	99	U	99	9.0	ug/L		07/28/11 14:42	08/04/11 13:47	10
2-Toluidine	99	U	99	14	ug/L		07/28/11 14:42	08/04/11 13:47	10
1,2,4-Trichlorobenzene	99	U	99	5.6	ug/L		07/28/11 14:42	08/04/11 13:47	10
2,4,5-Trichlorophenol	99	U	99	12	ug/L		07/28/11 14:42	08/04/11 13:47	10
2,4,6-Trichlorophenol	99	U	99	8.4	ug/L		07/28/11 14:42	08/04/11 13:47	10
1,3,5-Trinitrobenzene	99	U	99	20	ug/L		07/28/11 14:42	08/04/11 13:47	10

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	0	D	38 - 130	07/28/11 14:42	08/04/11 13:47	10
2-Fluorophenol	0	D	25 - 130	07/28/11 14:42	08/04/11 13:47	10
Nitrobenzene-d5	0	D	39 - 130	07/28/11 14:42	08/04/11 13:47	10
Phenol-d5	0	D	25 - 130	07/28/11 14:42	08/04/11 13:47	10
Terphenyl-d14	0	D	10 - 143	07/28/11 14:42	08/04/11 13:47	10
2,4,6-Tribromophenol	0	D	31 - 141	07/28/11 14:42	08/04/11 13:47	10

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.049	U	0.049	0.0069	ug/L		07/28/11 14:42	08/01/11 22:14	1
alpha-BHC	0.049	U	0.049	0.0056	ug/L		07/28/11 14:42	08/01/11 22:14	1
beta-BHC	0.049	U *	0.049	0.0066	ug/L		07/28/11 14:42	08/01/11 22:14	1
Chlordane (technical)	0.49	U	0.49	0.099	ug/L		07/28/11 14:42	08/01/11 22:14	1
Chlorobenzilate	0.49	U	0.49	0.49	ug/L		07/28/11 14:42	08/01/11 22:14	1
4,4'-DDD	0.099	U	0.099	0.0064	ug/L		07/28/11 14:42	08/01/11 22:14	1
4,4'-DDE	0.099	U	0.099	0.0076	ug/L		07/28/11 14:42	08/01/11 22:14	1
4,4'-DDT	0.099	U	0.099	0.0096	ug/L		07/28/11 14:42	08/01/11 22:14	1
delta-BHC	0.049	U	0.049	0.0047	ug/L		07/28/11 14:42	08/01/11 22:14	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW19-072611

Lab Sample ID: 680-70758-7

Date Collected: 07/26/11 14:20

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	0.099	U	0.099	0.0090	ug/L		07/28/11 14:42	08/01/11 22:14	1
Endosulfan I	0.049	U	0.049	0.0041	ug/L		07/28/11 14:42	08/01/11 22:14	1
Endosulfan II	0.099	U	0.099	0.0097	ug/L		07/28/11 14:42	08/01/11 22:14	1
Endosulfan sulfate	0.099	U	0.099	0.0067	ug/L		07/28/11 14:42	08/01/11 22:14	1
Endrin	0.099	U *	0.099	0.0096	ug/L		07/28/11 14:42	08/01/11 22:14	1
Endrin aldehyde	0.099	U	0.099	0.016	ug/L		07/28/11 14:42	08/01/11 22:14	1
Endrin ketone	0.099	U	0.099	0.0083	ug/L		07/28/11 14:42	08/01/11 22:14	1
gamma-BHC (Lindane)	0.049	U	0.049	0.0058	ug/L		07/28/11 14:42	08/01/11 22:14	1
Heptachlor	0.049	U	0.049	0.0069	ug/L		07/28/11 14:42	08/01/11 22:14	1
Heptachlor epoxide	0.049	U	0.049	0.0059	ug/L		07/28/11 14:42	08/01/11 22:14	1
Isodrin	0.049	U	0.049	0.049	ug/L		07/28/11 14:42	08/01/11 22:14	1
Kepone	0.99	U	0.99	0.99	ug/L		07/28/11 14:42	08/01/11 22:14	1
Methoxychlor	0.099	U	0.099	0.013	ug/L		07/28/11 14:42	08/01/11 22:14	1
Toxaphene	4.9	U	4.9	0.49	ug/L		07/28/11 14:42	08/01/11 22:14	1
PCB-1016	0.99	U	0.99	0.070	ug/L		07/28/11 14:42	08/01/11 22:14	1
PCB-1221	2.0	U	2.0	0.28	ug/L		07/28/11 14:42	08/01/11 22:14	1
PCB-1232	0.99	U	0.99	0.11	ug/L		07/28/11 14:42	08/01/11 22:14	1
PCB-1242	0.99	U	0.99	0.18	ug/L		07/28/11 14:42	08/01/11 22:14	1
PCB-1248	0.99	U	0.99	0.36	ug/L		07/28/11 14:42	08/01/11 22:14	1
PCB-1254	0.99	U	0.99	0.26	ug/L		07/28/11 14:42	08/01/11 22:14	1
PCB-1260	0.99	U	0.99	0.20	ug/L		07/28/11 14:42	08/01/11 22:14	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	44		36 - 130	07/28/11 14:42	08/01/11 22:14	1
Tetrachloro-m-xylene	50		36 - 130	07/28/11 14:42	08/01/11 22:14	1
DCB Decachlorobiphenyl	10	X	40 - 130	07/28/11 14:42	08/01/11 22:14	1
DCB Decachlorobiphenyl	7	X	40 - 130	07/28/11 14:42	08/01/11 22:14	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.50	U	0.50	0.037	ug/L		07/28/11 08:04	07/29/11 20:12	1
Silvex (2,4,5-TP)	0.50	U	0.50	0.062	ug/L		07/28/11 08:04	07/29/11 20:12	1
2,4,5-T	0.50	U	0.50	0.062	ug/L		07/28/11 08:04	07/29/11 20:12	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	163	X	52 - 151	07/28/11 08:04	07/29/11 20:12	1
DCAA	72	p	52 - 151	07/28/11 08:04	07/29/11 20:12	1

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		10	0.16	1		pg/L		07/28/11 09:00	07/30/11 15:07	1
1,2,3,7,8-PeCDD	ND		50	0.35	1		pg/L		07/28/11 09:00	07/30/11 15:07	1
1,2,3,4,7,8-HxCDD	ND		50	0.37	0.1		pg/L		07/28/11 09:00	07/30/11 15:07	1
1,2,3,6,7,8-HxCDD	ND		50	0.32	0.1		pg/L		07/28/11 09:00	07/30/11 15:07	1
1,2,3,7,8,9-HxCDD	ND		50	0.32	0.1		pg/L		07/28/11 09:00	07/30/11 15:07	1
1,2,3,4,6,7,8-HpCDD	ND		50	0.60	0.01		pg/L		07/28/11 09:00	07/30/11 15:07	1
OCDD	ND		100	3.9	0.0003		pg/L		07/28/11 09:00	07/30/11 15:07	1
2,3,7,8-TCDF	ND		10	0.20	0.1		pg/L		07/28/11 09:00	07/30/11 15:07	1
1,2,3,7,8-PeCDF	ND		50	0.16	0.03		pg/L		07/28/11 09:00	07/30/11 15:07	1
2,3,4,7,8-PeCDF	ND		50	0.18	0.3		pg/L		07/28/11 09:00	07/30/11 15:07	1
1,2,3,4,7,8-HxCDF	ND		50	0.28	0.1		pg/L		07/28/11 09:00	07/30/11 15:07	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW19-072611

Lab Sample ID: 680-70758-7

Date Collected: 07/26/11 14:20

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290) (Continued)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,6,7,8-HxCDF	ND		50	0.26	0.1		pg/L		07/28/11 09:00	07/30/11 15:07	1
2,3,4,6,7,8-HxCDF	ND		50	0.11	0.1		pg/L		07/28/11 09:00	07/30/11 15:07	1
1,2,3,7,8,9-HxCDF	ND		50	0.12	0.1		pg/L		07/28/11 09:00	07/30/11 15:07	1
1,2,3,4,6,7,8-HpCDF	ND		50	0.28	0.01		pg/L		07/28/11 09:00	07/30/11 15:07	1
1,2,3,4,7,8,9-HpCDF	ND		50	0.28	0.01		pg/L		07/28/11 09:00	07/30/11 15:07	1
OCDF	ND		100	0.42	0.0003		pg/L		07/28/11 09:00	07/30/11 15:07	1
2,3,7,8-TCDD	ND		10	0.16	1		pg/L		07/28/11 09:00	07/30/11 15:07	1
Total HxCDD	ND		50	0.52			pg/L		07/28/11 09:00	07/30/11 15:07	1
Total HxCDF	ND		50	0.26			pg/L		07/28/11 09:00	07/30/11 15:07	1
Total PeCDD	ND		50	0.44			pg/L		07/28/11 09:00	07/30/11 15:07	1
Total PeCDF	ND		50	0.18			pg/L		07/28/11 09:00	07/30/11 15:07	1
Total TCDD	ND		10	0.34			pg/L		07/28/11 09:00	07/30/11 15:07	1
Total TCDF	ND		10	0.20			pg/L		07/28/11 09:00	07/30/11 15:07	1
Total TEQ (WHO 2005)								0.00			

Internal Standard	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	76		40 - 135	07/28/11 09:00	07/30/11 15:07	1
13C-2,3,7,8-TCDD	76		40 - 135	07/28/11 09:00	07/30/11 15:07	1
13C-1,2,3,7,8-PeCDD	72		40 - 135	07/28/11 09:00	07/30/11 15:07	1
13C-1,2,3,7,8-PeCDD	72		40 - 135	07/28/11 09:00	07/30/11 15:07	1
13C-1,2,3,6,7,8-HxCDD	82		40 - 135	07/28/11 09:00	07/30/11 15:07	1
13C-1,2,3,6,7,8-HxCDD	82		40 - 135	07/28/11 09:00	07/30/11 15:07	1
13C-1,2,3,4,6,7,8-HpCDD	61		40 - 135	07/28/11 09:00	07/30/11 15:07	1
13C-OCDD	69		40 - 135	07/28/11 09:00	07/30/11 15:07	1
13C-2,3,7,8-TCDF	83		40 - 135	07/28/11 09:00	07/30/11 15:07	1
13C-2,3,7,8-TCDF	83		40 - 135	07/28/11 09:00	07/30/11 15:07	1
13C-1,2,3,7,8-PeCDF	77		40 - 135	07/28/11 09:00	07/30/11 15:07	1
13C-1,2,3,7,8-PeCDF	77		40 - 135	07/28/11 09:00	07/30/11 15:07	1
13C-1,2,3,4,7,8-HxCDF	77		40 - 135	07/28/11 09:00	07/30/11 15:07	1
13C-1,2,3,4,7,8-HxCDF	77		40 - 135	07/28/11 09:00	07/30/11 15:07	1
13C-1,2,3,4,6,7,8-HpCDF	69		40 - 135	07/28/11 09:00	07/30/11 15:07	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.0	U	5.0	2.0	ug/L		08/01/11 08:48	08/06/11 23:38	1
Arsenic	14		2.5	1.3	ug/L		08/01/11 08:48	08/06/11 23:38	1
Barium	51		5.0	1.4	ug/L		08/01/11 08:48	08/06/11 23:38	1
Beryllium	0.50	U	0.50	0.15	ug/L		08/01/11 08:48	08/06/11 23:38	1
Cadmium	0.50	U	0.50	0.13	ug/L		08/01/11 08:48	08/06/11 23:38	1
Chromium	5.0	U	5.0	2.5	ug/L		08/01/11 08:48	08/06/11 23:38	1
Cobalt	0.50	U	0.50	0.12	ug/L		08/01/11 08:48	08/06/11 23:38	1
Copper	5.0	U	5.0	1.1	ug/L		08/01/11 08:48	08/06/11 23:38	1
Lead	1.5	U	1.5	0.50	ug/L		08/01/11 08:48	08/06/11 23:38	1
Nickel	5.0	U	5.0	2.0	ug/L		08/01/11 08:48	08/06/11 23:38	1
Selenium	2.5	U	2.5	1.1	ug/L		08/01/11 08:48	08/06/11 23:38	1
Silver	1.0	U	1.0	0.18	ug/L		08/01/11 08:48	08/06/11 23:38	1
Thallium	1.0	U	1.0	0.25	ug/L		08/01/11 08:48	08/06/11 23:38	1
Tin	5.0	U	5.0	1.4	ug/L		08/01/11 08:48	08/06/11 23:38	1
Vanadium	10	U	10	3.2	ug/L		08/01/11 08:48	08/06/11 23:38	1
Zinc	57		20	8.4	ug/L		08/01/11 08:48	08/06/11 23:38	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW19-072611

Lab Sample ID: 680-70758-7

Date Collected: 07/26/11 14:20

Matrix: Water

Date Received: 07/27/11 09:20

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		08/02/11 09:42	08/02/11 17:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		08/01/11 07:51	08/02/11 06:54	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	1.0	U	1.0	1.0	mg/L			07/27/11 14:10	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: Trip Blank

Lab Sample ID: 680-70758-9

Date Collected: 07/26/11 00:00

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25	5.0	ug/L			07/29/11 14:39	1
Acetonitrile	40	U	40	10	ug/L			07/29/11 14:39	1
Acrolein	20	U	20	7.4	ug/L			07/29/11 14:39	1
Acrylonitrile	20	U	20	7.2	ug/L			07/29/11 14:39	1
Benzene	1.0	U	1.0	0.25	ug/L			07/29/11 14:39	1
Dichlorobromomethane	1.0	U	1.0	0.25	ug/L			07/29/11 14:39	1
Bromoform	1.0	U *	1.0	0.50	ug/L			07/29/11 14:39	1
Bromomethane	1.0	U	1.0	0.80	ug/L			07/29/11 14:39	1
2-Butanone (MEK)	10	U	10	1.0	ug/L			07/29/11 14:39	1
Carbon disulfide	2.0	U	2.0	0.60	ug/L			07/29/11 14:39	1
Carbon tetrachloride	1.0	U	1.0	0.50	ug/L			07/29/11 14:39	1
Chlorobenzene	1.0	U	1.0	0.25	ug/L			07/29/11 14:39	1
2-Chloro-1,3-butadiene	1.0	U	1.0	0.30	ug/L			07/29/11 14:39	1
Chloroethane	1.0	U	1.0	1.0	ug/L			07/29/11 14:39	1
Chloroform	1.0	U	1.0	0.14	ug/L			07/29/11 14:39	1
Chloromethane	1.0	U	1.0	0.33	ug/L			07/29/11 14:39	1
3-Chloro-1-propene	1.0	U	1.0	0.20	ug/L			07/29/11 14:39	1
Chlorodibromomethane	1.0	U	1.0	0.10	ug/L			07/29/11 14:39	1
1,2-Dibromo-3-Chloropropane	1.0	U *	1.0	0.44	ug/L			07/29/11 14:39	1
Ethylene Dibromide	1.0	U	1.0	0.25	ug/L			07/29/11 14:39	1
Dibromomethane	1.0	U	1.0	0.20	ug/L			07/29/11 14:39	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0	0.50	ug/L			07/29/11 14:39	1
Dichlorodifluoromethane	1.0	U	1.0	0.25	ug/L			07/29/11 14:39	1
1,1-Dichloroethane	1.0	U	1.0	0.25	ug/L			07/29/11 14:39	1
1,2-Dichloroethane	1.0	U	1.0	0.10	ug/L			07/29/11 14:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.15	ug/L			07/29/11 14:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			07/29/11 14:39	1
1,1-Dichloroethene	1.0	U	1.0	0.11	ug/L			07/29/11 14:39	1
1,2-Dichloropropane	1.0	U	1.0	0.13	ug/L			07/29/11 14:39	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.11	ug/L			07/29/11 14:39	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			07/29/11 14:39	1
Ethylbenzene	1.0	U	1.0	0.11	ug/L			07/29/11 14:39	1
Ethyl methacrylate	1.0	U	1.0	0.25	ug/L			07/29/11 14:39	1
2-Hexanone	10	U	10	1.0	ug/L			07/29/11 14:39	1
Iodomethane	5.0	U	5.0	1.0	ug/L			07/29/11 14:39	1
Isobutyl alcohol	40	U	40	11	ug/L			07/29/11 14:39	1
Methacrylonitrile	20	U	20	3.3	ug/L			07/29/11 14:39	1
Methylene Chloride	5.0	U	5.0	1.0	ug/L			07/29/11 14:39	1
Methyl methacrylate	1.0	U	1.0	0.48	ug/L			07/29/11 14:39	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0	ug/L			07/29/11 14:39	1
Pentachloroethane	5.0	U	5.0	1.2	ug/L			07/29/11 14:39	1
Propionitrile	20	U	20	4.6	ug/L			07/29/11 14:39	1
Styrene	1.0	U	1.0	0.11	ug/L			07/29/11 14:39	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.33	ug/L			07/29/11 14:39	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			07/29/11 14:39	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			07/29/11 14:39	1
Toluene	1.0	U	1.0	0.33	ug/L			07/29/11 14:39	1
1,1,1-Trichloroethane	1.0	U	1.0	0.50	ug/L			07/29/11 14:39	1
1,1,2-Trichloroethane	1.0	U	1.0	0.13	ug/L			07/29/11 14:39	1
Trichloroethene	1.0	U	1.0	0.13	ug/L			07/29/11 14:39	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: Trip Blank

Lab Sample ID: 680-70758-9

Date Collected: 07/26/11 00:00

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	1.0	U	1.0	0.25	ug/L			07/29/11 14:39	1
1,2,3-Trichloropropane	1.0	U	1.0	0.41	ug/L			07/29/11 14:39	1
Vinyl acetate	2.0	U	2.0	0.28	ug/L			07/29/11 14:39	1
Vinyl chloride	1.0	U	1.0	0.18	ug/L			07/29/11 14:39	1
Xylenes, Total	2.0	U	2.0	0.20	ug/L			07/29/11 14:39	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		70 - 130		07/29/11 14:39	1
Dibromofluoromethane	107		70 - 130		07/29/11 14:39	1
Toluene-d8 (Surr)	98		70 - 130		07/29/11 14:39	1

Surrogate Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (70-130)	DBFM (70-130)	TOL (70-130)
680-70758-1	ASH-MW08-072611	94	108	97
680-70758-2	ASH-DUP-072611	104	103	104
680-70758-3	ASH-RSI-072611	94	103	100
680-70758-4	ASH-MW13-072611	102	101	101
680-70758-5	ASH-MW17-072611	106	96	106
680-70758-6	ASH-MW23-072611	94	109	99
680-70758-7	ASH-MW19-072611	95	109	101
680-70758-9	Trip Blank	97	107	98
LCS 680-210523/10	Lab Control Sample	96	104	98
LCS 680-210543/4	Lab Control Sample	104	108	101
LCS 680-210665/8	Lab Control Sample	92	89	92
LCSD 680-210523/11	Lab Control Sample Dup	107	112	106
LCSD 680-210543/5	Lab Control Sample Dup	102	103	101
LCSD 680-210665/9	Lab Control Sample Dup	110	109	107
MB 680-210523/13	Method Blank	101	104	99
MB 680-210543/7	Method Blank	93	107	100
MB 680-210665/11	Method Blank	103	103	102

Surrogate Legend

BFB = 4-Bromofluorobenzene
 DBFM = Dibromofluoromethane
 TOL = Toluene-d8 (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (38-130)	2FP (25-130)	NBZ (39-130)	PHL (25-130)	TPH (10-143)	TBP (31-141)
680-70758-1	ASH-MW08-072611	0 D	0 D	0 D	0 D	0 D	0 D
680-70758-2	ASH-DUP-072611	0 D	0 D	0 D	0 D	0 D	0 D
680-70758-3	ASH-RSI-072611	63	67	74	63	81	76
680-70758-4	ASH-MW13-072611	61	40	50	51	65	85
680-70758-5	ASH-MW17-072611	0 D	0 D	0 D	0 D	0 D	0 D
680-70758-6	ASH-MW23-072611	0 D	0 D	0 D	0 D	0 D	0 D
680-70758-7	ASH-MW19-072611	0 D	0 D	0 D	0 D	0 D	0 D
LCS 680-210278/15-A	Lab Control Sample	72	77	87	80	87	87
LCS 680-210278/18-A	Lab Control Sample	70	65	74	70	84	93
MB 680-210278/14-A	Method Blank	75	76	83	83	87	80

Surrogate Legend

FBP = 2-Fluorobiphenyl
 2FP = 2-Fluorophenol
 NBZ = Nitrobenzene-d5
 PHL = Phenol-d5
 TPH = Terphenyl-d14
 TBP = 2,4,6-Tribromophenol

Surrogate Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (36-130)	TCX2 (36-130)	DCB1 (40-130)	DCB2 (40-130)
680-70758-1	ASH-MW08-072611	41	55	11 X	5 p X
680-70758-2	ASH-DUP-072611	44	35 X	14 X	2 p X
680-70758-3	ASH-RSI-072611	63	64	51	48
680-70758-4	ASH-MW13-072611	37 p	302 X	19 X	8 p X
680-70758-5	ASH-MW17-072611	0 D	0 D	0 D	0 D
680-70758-6	ASH-MW23-072611	109	4 p X	11 X	0.5 p X
680-70758-7	ASH-MW19-072611	44	50	10 X	7 X
LCS 680-210285/19-A	Lab Control Sample	64		48	
LCS 680-210285/19-A	Lab Control Sample	59	58	37 X	37 X
LCS 680-210285/24-A	Lab Control Sample	57			33 p X
LCS 680-210285/24-A	Lab Control Sample	78	80	63	51
LCS 680-210285/27-A	Lab Control Sample	66		46	
LCS 680-210285/27-A	Lab Control Sample	71	67	54	41
LCSD 680-210285/28-A	Lab Control Sample Dup	77	69	69	53
MB 680-210285/18-A	Method Blank	66		54	
MB 680-210285/18-A	Method Blank	70	67	55	43
Surrogate Legend					
TCX = Tetrachloro-m-xylene					
DCB = DCB Decachlorobiphenyl					

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPA1 (52-151)	DCPA2 (52-151)
680-70758-1	ASH-MW08-072611	106 p	395 X
680-70758-2	ASH-DUP-072611	92 p	409 X
680-70758-3	ASH-RSI-072611	73	77
680-70758-4	ASH-MW13-072611	87	80
680-70758-5	ASH-MW17-072611	289 p X	10096 E X
680-70758-6	ASH-MW23-072611	356 p X	4231 E X
680-70758-6 - DL	ASH-MW23-072611	215 X	2867 E X
680-70758-7	ASH-MW19-072611	72 p	163 X
LCS 680-210266/19-A	Lab Control Sample	88	114
MB 680-210266/18-A	Method Blank	80	92
Surrogate Legend			
DCPA = DCAA			

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-210523/13

Matrix: Water

Analysis Batch: 210523

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	25	U	25	5.0	ug/L			07/29/11 12:13	1
Acetonitrile	40	U	40	10	ug/L			07/29/11 12:13	1
Acrolein	20	U	20	7.4	ug/L			07/29/11 12:13	1
Acrylonitrile	20	U	20	7.2	ug/L			07/29/11 12:13	1
Benzene	1.0	U	1.0	0.25	ug/L			07/29/11 12:13	1
Dichlorobromomethane	1.0	U	1.0	0.25	ug/L			07/29/11 12:13	1
Bromoform	1.0	U	1.0	0.50	ug/L			07/29/11 12:13	1
Bromomethane	1.0	U	1.0	0.80	ug/L			07/29/11 12:13	1
2-Butanone (MEK)	10	U	10	1.0	ug/L			07/29/11 12:13	1
Carbon disulfide	2.0	U	2.0	0.60	ug/L			07/29/11 12:13	1
Carbon tetrachloride	1.0	U	1.0	0.50	ug/L			07/29/11 12:13	1
Chlorobenzene	1.0	U	1.0	0.25	ug/L			07/29/11 12:13	1
2-Chloro-1,3-butadiene	1.0	U	1.0	0.30	ug/L			07/29/11 12:13	1
Chloroethane	1.0	U	1.0	1.0	ug/L			07/29/11 12:13	1
Chloroform	1.0	U	1.0	0.14	ug/L			07/29/11 12:13	1
Chloromethane	1.0	U	1.0	0.33	ug/L			07/29/11 12:13	1
3-Chloro-1-propene	1.0	U	1.0	0.20	ug/L			07/29/11 12:13	1
Chlorodibromomethane	1.0	U	1.0	0.10	ug/L			07/29/11 12:13	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.44	ug/L			07/29/11 12:13	1
Ethylene Dibromide	1.0	U	1.0	0.25	ug/L			07/29/11 12:13	1
Dibromomethane	1.0	U	1.0	0.20	ug/L			07/29/11 12:13	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0	0.50	ug/L			07/29/11 12:13	1
Dichlorodifluoromethane	1.0	U	1.0	0.25	ug/L			07/29/11 12:13	1
1,1-Dichloroethane	1.0	U	1.0	0.25	ug/L			07/29/11 12:13	1
1,2-Dichloroethane	1.0	U	1.0	0.10	ug/L			07/29/11 12:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.15	ug/L			07/29/11 12:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			07/29/11 12:13	1
1,1-Dichloroethene	1.0	U	1.0	0.11	ug/L			07/29/11 12:13	1
1,2-Dichloropropane	1.0	U	1.0	0.13	ug/L			07/29/11 12:13	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.11	ug/L			07/29/11 12:13	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			07/29/11 12:13	1
Ethylbenzene	1.0	U	1.0	0.11	ug/L			07/29/11 12:13	1
Ethyl methacrylate	1.0	U	1.0	0.25	ug/L			07/29/11 12:13	1
2-Hexanone	10	U	10	1.0	ug/L			07/29/11 12:13	1
Iodomethane	5.0	U	5.0	1.0	ug/L			07/29/11 12:13	1
Isobutyl alcohol	40	U	40	11	ug/L			07/29/11 12:13	1
Methacrylonitrile	20	U	20	3.3	ug/L			07/29/11 12:13	1
Methylene Chloride	5.0	U	5.0	1.0	ug/L			07/29/11 12:13	1
Methyl methacrylate	1.0	U	1.0	0.48	ug/L			07/29/11 12:13	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0	ug/L			07/29/11 12:13	1
Pentachloroethane	5.0	U	5.0	1.2	ug/L			07/29/11 12:13	1
Propionitrile	20	U	20	4.6	ug/L			07/29/11 12:13	1
Styrene	1.0	U	1.0	0.11	ug/L			07/29/11 12:13	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.33	ug/L			07/29/11 12:13	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			07/29/11 12:13	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			07/29/11 12:13	1
Toluene	1.0	U	1.0	0.33	ug/L			07/29/11 12:13	1
1,1,1-Trichloroethane	1.0	U	1.0	0.50	ug/L			07/29/11 12:13	1
1,1,2-Trichloroethane	1.0	U	1.0	0.13	ug/L			07/29/11 12:13	1

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210523/13

Matrix: Water

Analysis Batch: 210523

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.13	ug/L			07/29/11 12:13	1
Trichlorofluoromethane	1.0	U	1.0	0.25	ug/L			07/29/11 12:13	1
1,2,3-Trichloropropane	1.0	U	1.0	0.41	ug/L			07/29/11 12:13	1
Vinyl acetate	2.0	U	2.0	0.28	ug/L			07/29/11 12:13	1
Vinyl chloride	1.0	U	1.0	0.18	ug/L			07/29/11 12:13	1
Xylenes, Total	2.0	U	2.0	0.20	ug/L			07/29/11 12:13	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		70 - 130		07/29/11 12:13	1
Dibromofluoromethane	104		70 - 130		07/29/11 12:13	1
Toluene-d8 (Surr)	99		70 - 130		07/29/11 12:13	1

Lab Sample ID: LCS 680-210523/10

Matrix: Water

Analysis Batch: 210523

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	129		ug/L		129	26 - 180
Benzene	50.0	46.4		ug/L		93	70 - 130
Dichlorobromomethane	50.0	42.5		ug/L		85	70 - 130
Bromoform	50.0	33.4	*	ug/L		67	70 - 130
Bromomethane	50.0	24.6		ug/L		49	23 - 165
2-Butanone (MEK)	100	106		ug/L		106	49 - 172
Carbon disulfide	50.0	46.7		ug/L		93	54 - 132
Carbon tetrachloride	50.0	36.9		ug/L		74	70 - 130
Chlorobenzene	50.0	48.6		ug/L		97	70 - 130
Chloroethane	50.0	49.2		ug/L		98	56 - 152
Chloroform	50.0	49.9		ug/L		100	70 - 130
Chloromethane	50.0	53.7		ug/L		107	70 - 130
Chlorodibromomethane	50.0	39.3		ug/L		79	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	33.5	*	ug/L		67	70 - 130
Ethylene Dibromide	50.0	49.7		ug/L		99	70 - 130
Dibromomethane	50.0	49.2		ug/L		98	70 - 130
Dichlorodifluoromethane	50.0	51.0		ug/L		102	44 - 146
1,1-Dichloroethane	50.0	48.6		ug/L		97	70 - 130
1,2-Dichloroethane	50.0	48.2		ug/L		96	70 - 130
cis-1,2-Dichloroethene	50.0	49.8		ug/L		100	70 - 130
trans-1,2-Dichloroethene	50.0	49.9		ug/L		100	70 - 130
1,1,1-Dichloroethene	50.0	51.1		ug/L		102	66 - 131
1,2-Dichloropropane	50.0	45.9		ug/L		92	70 - 130
cis-1,3-Dichloropropene	50.0	44.4		ug/L		89	70 - 130
trans-1,3-Dichloropropene	50.0	43.0		ug/L		86	70 - 130
Ethylbenzene	50.0	46.0		ug/L		92	70 - 130
2-Hexanone	100	107		ug/L		107	42 - 185
Methylene Chloride	50.0	50.4		ug/L		101	67 - 130
4-Methyl-2-pentanone (MIBK)	100	91.1		ug/L		91	70 - 130
Styrene	50.0	49.7		ug/L		99	70 - 130
1,1,1,2-Tetrachloroethane	50.0	40.5		ug/L		81	70 - 130
1,1,2,2-Tetrachloroethane	50.0	46.9		ug/L		94	70 - 130

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210523/10

Matrix: Water

Analysis Batch: 210523

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Tetrachloroethene	50.0	50.2		ug/L		100	70 - 130
Toluene	50.0	46.9		ug/L		94	70 - 130
1,1,1-Trichloroethane	50.0	43.9		ug/L		88	70 - 130
1,1,2-Trichloroethane	50.0	48.0		ug/L		96	70 - 130
Trichloroethene	50.0	49.1		ug/L		98	70 - 130
Trichlorofluoromethane	50.0	51.0		ug/L		102	55 - 156
1,2,3-Trichloropropane	50.0	47.8		ug/L		96	70 - 130
Vinyl acetate	100	94.0		ug/L		94	60 - 176
Vinyl chloride	50.0	50.7		ug/L		101	67 - 134
Xylenes, Total	150	144		ug/L		96	70 - 130

Surrogate	LCS % Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	96		70 - 130
Dibromofluoromethane	104		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: LCSD 680-210523/11

Matrix: Water

Analysis Batch: 210523

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	100	135		ug/L		135	26 - 180	4	50
Benzene	50.0	51.7		ug/L		103	70 - 130	11	30
Dichlorobromomethane	50.0	48.6		ug/L		97	70 - 130	13	30
Bromoform	50.0	38.1		ug/L		76	70 - 130	13	30
Bromomethane	50.0	35.2		ug/L		70	23 - 165	35	50
2-Butanone (MEK)	100	115		ug/L		115	49 - 172	8	30
Carbon disulfide	50.0	49.9		ug/L		100	54 - 132	7	30
Carbon tetrachloride	50.0	42.6		ug/L		85	70 - 130	14	30
Chlorobenzene	50.0	53.0		ug/L		106	70 - 130	9	30
Chloroethane	50.0	54.8		ug/L		110	56 - 152	11	40
Chloroform	50.0	54.5		ug/L		109	70 - 130	9	30
Chloromethane	50.0	56.8		ug/L		114	70 - 130	6	30
Chlorodibromomethane	50.0	42.7		ug/L		85	70 - 130	8	50
1,2-Dibromo-3-Chloropropane	50.0	38.7		ug/L		77	70 - 130	14	50
Ethylene Dibromide	50.0	55.2		ug/L		110	70 - 130	10	30
Dibromomethane	50.0	54.4		ug/L		109	70 - 130	10	30
Dichlorodifluoromethane	50.0	55.0		ug/L		110	44 - 146	8	50
1,1-Dichloroethane	50.0	52.5		ug/L		105	70 - 130	8	30
1,2-Dichloroethane	50.0	52.8		ug/L		106	70 - 130	9	30
cis-1,2-Dichloroethane	50.0	55.0		ug/L		110	70 - 130	10	30
trans-1,2-Dichloroethene	50.0	53.0		ug/L		106	70 - 130	6	30
1,1-Dichloroethene	50.0	55.6		ug/L		111	66 - 131	8	30
1,2-Dichloropropane	50.0	51.5		ug/L		103	70 - 130	12	30
cis-1,3-Dichloropropene	50.0	48.8		ug/L		98	70 - 130	9	30
trans-1,3-Dichloropropene	50.0	47.9		ug/L		96	70 - 130	11	50
Ethylbenzene	50.0	51.3		ug/L		103	70 - 130	11	30
2-Hexanone	100	115		ug/L		115	42 - 185	7	30
Methylene Chloride	50.0	54.6		ug/L		109	67 - 130	8	30

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-210523/11

Matrix: Water

Analysis Batch: 210523

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	100	103		ug/L		103	70 - 130	12	30
Styrene	50.0	54.9		ug/L		110	70 - 130	10	30
1,1,1,2-Tetrachloroethane	50.0	45.8		ug/L		92	70 - 130	12	30
1,1,2,2-Tetrachloroethane	50.0	51.5		ug/L		103	70 - 130	9	30
Tetrachloroethene	50.0	53.6		ug/L		107	70 - 130	7	30
Toluene	50.0	51.3		ug/L		103	70 - 130	9	30
1,1,1-Trichloroethane	50.0	50.4		ug/L		101	70 - 130	14	30
1,1,2-Trichloroethane	50.0	53.3		ug/L		107	70 - 130	10	30
Trichloroethene	50.0	54.6		ug/L		109	70 - 130	11	30
Trichlorofluoromethane	50.0	55.6		ug/L		111	55 - 156	9	30
1,2,3-Trichloropropane	50.0	53.1		ug/L		106	70 - 130	11	30
Vinyl acetate	100	100		ug/L		100	60 - 176	6	30
Vinyl chloride	50.0	55.0		ug/L		110	67 - 134	8	30
Xylenes, Total	150	159		ug/L		106	70 - 130	10	30

Surrogate	LCSD % Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene	107		70 - 130
Dibromofluoromethane	112		70 - 130
Toluene-d8 (Surr)	106		70 - 130

Lab Sample ID: MB 680-210543/7

Matrix: Water

Analysis Batch: 210543

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25	5.0	ug/L			07/30/11 00:43	1
Acetonitrile	40	U	40	10	ug/L			07/30/11 00:43	1
Acrolein	20	U	20	7.4	ug/L			07/30/11 00:43	1
Acrylonitrile	20	U	20	7.2	ug/L			07/30/11 00:43	1
Benzene	1.0	U	1.0	0.25	ug/L			07/30/11 00:43	1
Dichlorobromomethane	1.0	U	1.0	0.25	ug/L			07/30/11 00:43	1
Bromoform	1.0	U	1.0	0.50	ug/L			07/30/11 00:43	1
Bromomethane	1.0	U	1.0	0.80	ug/L			07/30/11 00:43	1
2-Butanone (MEK)	10	U	10	1.0	ug/L			07/30/11 00:43	1
Carbon disulfide	2.0	U	2.0	0.60	ug/L			07/30/11 00:43	1
Carbon tetrachloride	1.0	U	1.0	0.50	ug/L			07/30/11 00:43	1
Chlorobenzene	1.0	U	1.0	0.25	ug/L			07/30/11 00:43	1
2-Chloro-1,3-butadiene	1.0	U	1.0	0.30	ug/L			07/30/11 00:43	1
Chloroethane	1.0	U	1.0	1.0	ug/L			07/30/11 00:43	1
Chloroform	1.0	U	1.0	0.14	ug/L			07/30/11 00:43	1
Chloromethane	1.0	U	1.0	0.33	ug/L			07/30/11 00:43	1
3-Chloro-1-propene	1.0	U	1.0	0.20	ug/L			07/30/11 00:43	1
Chlorodibromomethane	1.0	U	1.0	0.10	ug/L			07/30/11 00:43	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.44	ug/L			07/30/11 00:43	1
Ethylene Dibromide	1.0	U	1.0	0.25	ug/L			07/30/11 00:43	1
Dibromomethane	1.0	U	1.0	0.20	ug/L			07/30/11 00:43	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0	0.50	ug/L			07/30/11 00:43	1
Dichlorodifluoromethane	1.0	U	1.0	0.25	ug/L			07/30/11 00:43	1
1,1-Dichloroethane	1.0	U	1.0	0.25	ug/L			07/30/11 00:43	1

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210543/7

Matrix: Water

Analysis Batch: 210543

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	1.0	U	1.0	0.10	ug/L			07/30/11 00:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.15	ug/L			07/30/11 00:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			07/30/11 00:43	1
1,1-Dichloroethene	1.0	U	1.0	0.11	ug/L			07/30/11 00:43	1
1,2-Dichloropropane	1.0	U	1.0	0.13	ug/L			07/30/11 00:43	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.11	ug/L			07/30/11 00:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			07/30/11 00:43	1
Ethylbenzene	1.0	U	1.0	0.11	ug/L			07/30/11 00:43	1
Ethyl methacrylate	1.0	U	1.0	0.25	ug/L			07/30/11 00:43	1
2-Hexanone	10	U	10	1.0	ug/L			07/30/11 00:43	1
Iodomethane	5.0	U	5.0	1.0	ug/L			07/30/11 00:43	1
Isobutyl alcohol	40	U	40	11	ug/L			07/30/11 00:43	1
Methacrylonitrile	20	U	20	3.3	ug/L			07/30/11 00:43	1
Methylene Chloride	5.0	U	5.0	1.0	ug/L			07/30/11 00:43	1
Methyl methacrylate	1.0	U	1.0	0.48	ug/L			07/30/11 00:43	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0	ug/L			07/30/11 00:43	1
Pentachloroethane	5.0	U	5.0	1.2	ug/L			07/30/11 00:43	1
Propionitrile	20	U	20	4.6	ug/L			07/30/11 00:43	1
Styrene	1.0	U	1.0	0.11	ug/L			07/30/11 00:43	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.33	ug/L			07/30/11 00:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			07/30/11 00:43	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			07/30/11 00:43	1
Toluene	1.0	U	1.0	0.33	ug/L			07/30/11 00:43	1
1,1,1-Trichloroethane	1.0	U	1.0	0.50	ug/L			07/30/11 00:43	1
1,1,2-Trichloroethane	1.0	U	1.0	0.13	ug/L			07/30/11 00:43	1
Trichloroethene	1.0	U	1.0	0.13	ug/L			07/30/11 00:43	1
Trichlorofluoromethane	1.0	U	1.0	0.25	ug/L			07/30/11 00:43	1
1,2,3-Trichloropropane	1.0	U	1.0	0.41	ug/L			07/30/11 00:43	1
Vinyl acetate	2.0	U	2.0	0.28	ug/L			07/30/11 00:43	1
Vinyl chloride	1.0	U	1.0	0.18	ug/L			07/30/11 00:43	1
Xylenes, Total	2.0	U	2.0	0.20	ug/L			07/30/11 00:43	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		07/30/11 00:43	1
Dibromofluoromethane	107		70 - 130		07/30/11 00:43	1
Toluene-d8 (Surr)	100		70 - 130		07/30/11 00:43	1

Lab Sample ID: LCS 680-210543/4

Matrix: Water

Analysis Batch: 210543

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	129		ug/L		129	26 - 180
Benzene	50.0	50.0		ug/L		100	70 - 130
Dichlorobromomethane	50.0	46.3		ug/L		93	70 - 130
Bromoform	50.0	38.1		ug/L		76	70 - 130
Bromomethane	50.0	25.4		ug/L		51	23 - 165
2-Butanone (MEK)	100	111		ug/L		111	49 - 172
Carbon disulfide	50.0	48.0		ug/L		96	54 - 132

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210543/4

Matrix: Water

Analysis Batch: 210543

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Carbon tetrachloride	50.0	41.3		ug/L		83	70 - 130
Chlorobenzene	50.0	52.5		ug/L		105	70 - 130
Chloroethane	50.0	50.0		ug/L		100	56 - 152
Chloroform	50.0	52.0		ug/L		104	70 - 130
Chloromethane	50.0	50.7		ug/L		101	70 - 130
Chlorodibromomethane	50.0	43.3		ug/L		87	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	41.0		ug/L		82	70 - 130
Ethylene Dibromide	50.0	49.6		ug/L		99	70 - 130
Dibromomethane	50.0	51.6		ug/L		103	70 - 130
Dichlorodifluoromethane	50.0	49.9		ug/L		100	44 - 146
1,1-Dichloroethane	50.0	49.8		ug/L		100	70 - 130
1,2-Dichloroethane	50.0	50.7		ug/L		101	70 - 130
cis-1,2-Dichloroethene	50.0	51.7		ug/L		103	70 - 130
trans-1,2-Dichloroethene	50.0	51.5		ug/L		103	70 - 130
1,1-Dichloroethene	50.0	52.0		ug/L		104	66 - 131
1,2-Dichloropropane	50.0	49.4		ug/L		99	70 - 130
cis-1,3-Dichloropropene	50.0	45.8		ug/L		92	70 - 130
trans-1,3-Dichloropropene	50.0	43.9		ug/L		88	70 - 130
Ethylbenzene	50.0	51.1		ug/L		102	70 - 130
2-Hexanone	100	114		ug/L		114	42 - 185
Methylene Chloride	50.0	53.2		ug/L		106	67 - 130
4-Methyl-2-pentanone (MIBK)	100	94.4		ug/L		94	70 - 130
Styrene	50.0	54.3		ug/L		109	70 - 130
1,1,1,2-Tetrachloroethane	50.0	46.0		ug/L		92	70 - 130
1,1,2,2-Tetrachloroethane	50.0	51.3		ug/L		103	70 - 130
Tetrachloroethene	50.0	54.7		ug/L		109	70 - 130
Toluene	50.0	48.5		ug/L		97	70 - 130
1,1,1-Trichloroethane	50.0	47.9		ug/L		96	70 - 130
1,1,2-Trichloroethane	50.0	48.9		ug/L		98	70 - 130
Trichloroethene	50.0	53.2		ug/L		106	70 - 130
Trichlorofluoromethane	50.0	52.1		ug/L		104	55 - 156
1,2,3-Trichloropropane	50.0	53.4		ug/L		107	70 - 130
Vinyl acetate	100	95.3		ug/L		95	60 - 176
Vinyl chloride	50.0	50.8		ug/L		102	67 - 134
Xylenes, Total	150	159		ug/L		106	70 - 130

Surrogate	LCS % Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	104		70 - 130
Dibromofluoromethane	108		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: LCSD 680-210543/5

Matrix: Water

Analysis Batch: 210543

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	100	131		ug/L		131	26 - 180	1	50
Benzene	50.0	48.4		ug/L		97	70 - 130	3	30
Dichlorobromomethane	50.0	46.6		ug/L		93	70 - 130	1	30

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-210543/5

Matrix: Water

Analysis Batch: 210543

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD	Limit
							Limits			
Bromoform	50.0	38.7		ug/L		77	70 - 130		2	30
Bromomethane	50.0	24.5		ug/L		49	23 - 165		4	50
2-Butanone (MEK)	100	111		ug/L		111	49 - 172		0	30
Carbon disulfide	50.0	44.8		ug/L		90	54 - 132		7	30
Carbon tetrachloride	50.0	40.2		ug/L		80	70 - 130		3	30
Chlorobenzene	50.0	51.2		ug/L		102	70 - 130		3	30
Chloroethane	50.0	38.6		ug/L		77	56 - 152		26	40
Chloroform	50.0	49.8		ug/L		100	70 - 130		4	30
Chloromethane	50.0	48.1		ug/L		96	70 - 130		5	30
Chlorodibromomethane	50.0	42.6		ug/L		85	70 - 130		2	50
1,2-Dibromo-3-Chloropropane	50.0	39.3		ug/L		79	70 - 130		4	50
Ethylene Dibromide	50.0	52.4		ug/L		105	70 - 130		6	30
Dibromomethane	50.0	52.1		ug/L		104	70 - 130		1	30
Dichlorodifluoromethane	50.0	46.8		ug/L		94	44 - 146		6	50
1,1-Dichloroethane	50.0	46.8		ug/L		94	70 - 130		6	30
1,2-Dichloroethane	50.0	50.8		ug/L		102	70 - 130		0	30
cis-1,2-Dichloroethene	50.0	49.7		ug/L		99	70 - 130		4	30
trans-1,2-Dichloroethene	50.0	48.8		ug/L		98	70 - 130		5	30
1,1,1-Dichloroethene	50.0	49.4		ug/L		99	66 - 131		5	30
1,2-Dichloropropane	50.0	48.7		ug/L		97	70 - 130		2	30
cis-1,3-Dichloropropene	50.0	46.5		ug/L		93	70 - 130		2	30
trans-1,3-Dichloropropene	50.0	45.5		ug/L		91	70 - 130		4	50
Ethylbenzene	50.0	48.0		ug/L		96	70 - 130		6	30
2-Hexanone	100	112		ug/L		112	42 - 185		2	30
Methylene Chloride	50.0	50.8		ug/L		102	67 - 130		5	30
4-Methyl-2-pentanone (MIBK)	100	98.5		ug/L		98	70 - 130		4	30
Styrene	50.0	53.6		ug/L		107	70 - 130		1	30
1,1,1,2-Tetrachloroethane	50.0	44.8		ug/L		90	70 - 130		3	30
1,1,2,2-Tetrachloroethane	50.0	50.9		ug/L		102	70 - 130		1	30
Tetrachloroethene	50.0	51.6		ug/L		103	70 - 130		6	30
Toluene	50.0	49.1		ug/L		98	70 - 130		1	30
1,1,1-Trichloroethane	50.0	46.7		ug/L		93	70 - 130		3	30
1,1,2-Trichloroethane	50.0	51.6		ug/L		103	70 - 130		6	30
Trichloroethene	50.0	50.5		ug/L		101	70 - 130		5	30
Trichlorofluoromethane	50.0	48.3		ug/L		97	55 - 156		8	30
1,2,3-Trichloropropane	50.0	53.3		ug/L		107	70 - 130		0	30
Vinyl acetate	100	94.3		ug/L		94	60 - 176		1	30
Vinyl chloride	50.0	47.8		ug/L		96	67 - 134		6	30
Xylenes, Total	150	153		ug/L		102	70 - 130		4	30

Surrogate	LCSD		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	102		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8 (Surr)	101		70 - 130

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210665/11

Matrix: Water

Analysis Batch: 210665

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	25	U	25	5.0	ug/L			07/30/11 14:10	1
Acetonitrile	40	U	40	10	ug/L			07/30/11 14:10	1
Acrolein	20	U	20	7.4	ug/L			07/30/11 14:10	1
Acrylonitrile	20	U	20	7.2	ug/L			07/30/11 14:10	1
Benzene	1.0	U	1.0	0.25	ug/L			07/30/11 14:10	1
Dichlorobromomethane	1.0	U	1.0	0.25	ug/L			07/30/11 14:10	1
Bromoform	1.0	U	1.0	0.50	ug/L			07/30/11 14:10	1
Bromomethane	1.0	U	1.0	0.80	ug/L			07/30/11 14:10	1
2-Butanone (MEK)	10	U	10	1.0	ug/L			07/30/11 14:10	1
Carbon disulfide	2.0	U	2.0	0.60	ug/L			07/30/11 14:10	1
Carbon tetrachloride	1.0	U	1.0	0.50	ug/L			07/30/11 14:10	1
Chlorobenzene	1.0	U	1.0	0.25	ug/L			07/30/11 14:10	1
2-Chloro-1,3-butadiene	1.0	U	1.0	0.30	ug/L			07/30/11 14:10	1
Chloroethane	1.0	U	1.0	1.0	ug/L			07/30/11 14:10	1
Chloroform	1.0	U	1.0	0.14	ug/L			07/30/11 14:10	1
Chloromethane	1.0	U	1.0	0.33	ug/L			07/30/11 14:10	1
3-Chloro-1-propene	1.0	U	1.0	0.20	ug/L			07/30/11 14:10	1
Chlorodibromomethane	1.0	U	1.0	0.10	ug/L			07/30/11 14:10	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.44	ug/L			07/30/11 14:10	1
Ethylene Dibromide	1.0	U	1.0	0.25	ug/L			07/30/11 14:10	1
Dibromomethane	1.0	U	1.0	0.20	ug/L			07/30/11 14:10	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0	0.50	ug/L			07/30/11 14:10	1
Dichlorodifluoromethane	1.0	U	1.0	0.25	ug/L			07/30/11 14:10	1
1,1-Dichloroethane	1.0	U	1.0	0.25	ug/L			07/30/11 14:10	1
1,2-Dichloroethane	1.0	U	1.0	0.10	ug/L			07/30/11 14:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.15	ug/L			07/30/11 14:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			07/30/11 14:10	1
1,1-Dichloroethene	1.0	U	1.0	0.11	ug/L			07/30/11 14:10	1
1,2-Dichloropropane	1.0	U	1.0	0.13	ug/L			07/30/11 14:10	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.11	ug/L			07/30/11 14:10	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			07/30/11 14:10	1
Ethylbenzene	1.0	U	1.0	0.11	ug/L			07/30/11 14:10	1
Ethyl methacrylate	1.0	U	1.0	0.25	ug/L			07/30/11 14:10	1
2-Hexanone	10	U	10	1.0	ug/L			07/30/11 14:10	1
Iodomethane	5.0	U	5.0	1.0	ug/L			07/30/11 14:10	1
Isobutyl alcohol	40	U	40	11	ug/L			07/30/11 14:10	1
Methacrylonitrile	20	U	20	3.3	ug/L			07/30/11 14:10	1
Methylene Chloride	5.0	U	5.0	1.0	ug/L			07/30/11 14:10	1
Methyl methacrylate	1.0	U	1.0	0.48	ug/L			07/30/11 14:10	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0	ug/L			07/30/11 14:10	1
Pentachloroethane	5.0	U	5.0	1.2	ug/L			07/30/11 14:10	1
Propionitrile	20	U	20	4.6	ug/L			07/30/11 14:10	1
Styrene	1.0	U	1.0	0.11	ug/L			07/30/11 14:10	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.33	ug/L			07/30/11 14:10	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			07/30/11 14:10	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			07/30/11 14:10	1
Toluene	1.0	U	1.0	0.33	ug/L			07/30/11 14:10	1
1,1,1-Trichloroethane	1.0	U	1.0	0.50	ug/L			07/30/11 14:10	1
1,1,2-Trichloroethane	1.0	U	1.0	0.13	ug/L			07/30/11 14:10	1

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210665/11

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 210665

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.13	ug/L			07/30/11 14:10	1
Trichlorofluoromethane	1.0	U	1.0	0.25	ug/L			07/30/11 14:10	1
1,2,3-Trichloropropane	1.0	U	1.0	0.41	ug/L			07/30/11 14:10	1
Vinyl acetate	2.0	U	2.0	0.28	ug/L			07/30/11 14:10	1
Vinyl chloride	1.0	U	1.0	0.18	ug/L			07/30/11 14:10	1
Xylenes, Total	2.0	U	2.0	0.20	ug/L			07/30/11 14:10	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		70 - 130		07/30/11 14:10	1
Dibromofluoromethane	103		70 - 130		07/30/11 14:10	1
Toluene-d8 (Surr)	102		70 - 130		07/30/11 14:10	1

Lab Sample ID: LCS 680-210665/8

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 210665

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	118		ug/L		118	26 - 180
Benzene	50.0	43.6		ug/L		87	70 - 130
Dichlorobromomethane	50.0	38.7		ug/L		77	70 - 130
Bromoform	50.0	30.6	*	ug/L		61	70 - 130
Bromomethane	50.0	38.4		ug/L		77	23 - 165
2-Butanone (MEK)	100	101		ug/L		101	49 - 172
Carbon disulfide	50.0	44.4		ug/L		89	54 - 132
Carbon tetrachloride	50.0	31.7	*	ug/L		63	70 - 130
Chlorobenzene	50.0	47.2		ug/L		94	70 - 130
Chloroethane	50.0	47.2		ug/L		94	56 - 152
Chloroform	50.0	43.4		ug/L		87	70 - 130
Chloromethane	50.0	53.9		ug/L		108	70 - 130
Chlorodibromomethane	50.0	34.5	*	ug/L		69	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	40.3		ug/L		81	70 - 130
Ethylene Dibromide	50.0	45.9		ug/L		92	70 - 130
Dibromomethane	50.0	43.8		ug/L		88	70 - 130
Dichlorodifluoromethane	50.0	49.1		ug/L		98	44 - 146
1,1-Dichloroethane	50.0	41.8		ug/L		84	70 - 130
1,2-Dichloroethane	50.0	42.5		ug/L		85	70 - 130
cis-1,2-Dichloroethene	50.0	43.3		ug/L		87	70 - 130
trans-1,2-Dichloroethene	50.0	43.0		ug/L		86	70 - 130
1,1,1-Dichloroethane	50.0	43.6		ug/L		87	66 - 131
1,2-Dichloropropane	50.0	42.2		ug/L		84	70 - 130
cis-1,3-Dichloropropene	50.0	39.6		ug/L		79	70 - 130
trans-1,3-Dichloropropene	50.0	39.7		ug/L		79	70 - 130
Ethylbenzene	50.0	43.8		ug/L		88	70 - 130
2-Hexanone	100	93.7		ug/L		94	42 - 185
Methylene Chloride	50.0	46.1		ug/L		92	67 - 130
4-Methyl-2-pentanone (MIBK)	100	88.3		ug/L		88	70 - 130
Styrene	50.0	46.5		ug/L		93	70 - 130
1,1,1,2-Tetrachloroethane	50.0	37.4		ug/L		75	70 - 130
1,1,2,2-Tetrachloroethane	50.0	46.4		ug/L		93	70 - 130

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210665/8

Matrix: Water

Analysis Batch: 210665

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Tetrachloroethene	50.0	45.1		ug/L		90	70 - 130
Toluene	50.0	44.2		ug/L		88	70 - 130
1,1,1-Trichloroethane	50.0	39.8		ug/L		80	70 - 130
1,1,2-Trichloroethane	50.0	44.6		ug/L		89	70 - 130
Trichloroethene	50.0	43.6		ug/L		87	70 - 130
Trichlorofluoromethane	50.0	46.0		ug/L		92	55 - 156
1,2,3-Trichloropropane	50.0	47.1		ug/L		94	70 - 130
Vinyl acetate	100	83.2		ug/L		83	60 - 176
Vinyl chloride	50.0	46.8		ug/L		94	67 - 134
Xylenes, Total	150	136		ug/L		90	70 - 130

Surrogate	LCS % Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	92		70 - 130
Dibromofluoromethane	89		70 - 130
Toluene-d8 (Surr)	92		70 - 130

Lab Sample ID: LCSD 680-210665/9

Matrix: Water

Analysis Batch: 210665

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	100	130		ug/L		130	26 - 180	10	50
Benzene	50.0	50.6		ug/L		101	70 - 130	15	30
Dichlorobromomethane	50.0	47.4		ug/L		95	70 - 130	20	30
Bromoform	50.0	40.6		ug/L		81	70 - 130	28	30
Bromomethane	50.0	42.3		ug/L		85	23 - 165	10	50
2-Butanone (MEK)	100	120		ug/L		120	49 - 172	17	30
Carbon disulfide	50.0	51.4		ug/L		103	54 - 132	15	30
Carbon tetrachloride	50.0	39.5		ug/L		79	70 - 130	22	30
Chlorobenzene	50.0	56.4		ug/L		113	70 - 130	18	30
Chloroethane	50.0	55.3		ug/L		111	56 - 152	16	40
Chloroform	50.0	52.7		ug/L		105	70 - 130	19	30
Chloromethane	50.0	62.6		ug/L		125	70 - 130	15	30
Chlorodibromomethane	50.0	45.6		ug/L		91	70 - 130	28	50
1,2-Dibromo-3-Chloropropane	50.0	50.1		ug/L		100	70 - 130	22	50
Ethylene Dibromide	50.0	54.8		ug/L		110	70 - 130	18	30
Dibromomethane	50.0	53.6		ug/L		107	70 - 130	20	30
Dichlorodifluoromethane	50.0	55.3		ug/L		111	44 - 146	12	50
1,1-Dichloroethane	50.0	51.1		ug/L		102	70 - 130	20	30
1,2-Dichloroethane	50.0	49.8		ug/L		100	70 - 130	16	30
cis-1,2-Dichloroethene	50.0	52.2		ug/L		104	70 - 130	19	30
trans-1,2-Dichloroethene	50.0	51.4		ug/L		103	70 - 130	18	30
1,1-Dichloroethene	50.0	53.1		ug/L		106	66 - 131	20	30
1,2-Dichloropropane	50.0	50.9		ug/L		102	70 - 130	19	30
cis-1,3-Dichloropropene	50.0	48.4		ug/L		97	70 - 130	20	30
trans-1,3-Dichloropropene	50.0	47.9		ug/L		96	70 - 130	19	50
Ethylbenzene	50.0	53.6		ug/L		107	70 - 130	20	30
2-Hexanone	100	113		ug/L		113	42 - 185	19	30
Methylene Chloride	50.0	52.9		ug/L		106	67 - 130	14	30

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-210665/9

Matrix: Water

Analysis Batch: 210665

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	100	101		ug/L		101	70 - 130	14	30
Styrene	50.0	55.7		ug/L		111	70 - 130	18	30
1,1,1,2-Tetrachloroethane	50.0	48.6		ug/L		97	70 - 130	26	30
1,1,2,2-Tetrachloroethane	50.0	54.8		ug/L		110	70 - 130	17	30
Tetrachloroethene	50.0	57.0		ug/L		114	70 - 130	23	30
Toluene	50.0	50.5		ug/L		101	70 - 130	13	30
1,1,1-Trichloroethane	50.0	48.0		ug/L		96	70 - 130	19	30
1,1,2-Trichloroethane	50.0	52.2		ug/L		104	70 - 130	16	30
Trichloroethene	50.0	53.1		ug/L		106	70 - 130	20	30
Trichlorofluoromethane	50.0	55.8		ug/L		112	55 - 156	19	30
1,2,3-Trichloropropane	50.0	55.4		ug/L		111	70 - 130	16	30
Vinyl acetate	100	98.7		ug/L		99	60 - 176	17	30
Vinyl chloride	50.0	54.6		ug/L		109	67 - 134	15	30
Xylenes, Total	150	165		ug/L		110	70 - 130	20	30

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	110		70 - 130
Dibromofluoromethane	109		70 - 130
Toluene-d8 (Surr)	107		70 - 130

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-210278/14-A

Matrix: Water

Analysis Batch: 210829

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210278

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	10	U	10	0.76	ug/L		07/28/11 14:42	08/02/11 13:33	1
Acenaphthylene	10	U	10	0.85	ug/L		07/28/11 14:42	08/02/11 13:33	1
Acetophenone	10	U	10	0.57	ug/L		07/28/11 14:42	08/02/11 13:33	1
2-Acetylaminofluorene	10	U	10	1.6	ug/L		07/28/11 14:42	08/02/11 13:33	1
alpha,alpha-Dimethyl phenethylamine	2000	U	2000	35	ug/L		07/28/11 14:42	08/02/11 13:33	1
4-Aminobiphenyl	10	U	10	1.2	ug/L		07/28/11 14:42	08/02/11 13:33	1
Aniline	20	U	20	2.1	ug/L		07/28/11 14:42	08/02/11 13:33	1
Anthracene	10	U	10	0.69	ug/L		07/28/11 14:42	08/02/11 13:33	1
Aramite, Total	10	U	10	0.91	ug/L		07/28/11 14:42	08/02/11 13:33	1
Benzo[a]anthracene	10	U	10	0.55	ug/L		07/28/11 14:42	08/02/11 13:33	1
Benzo[a]pyrene	10	U	10	0.71	ug/L		07/28/11 14:42	08/02/11 13:33	1
Benzo[b]fluoranthene	10	U	10	2.6	ug/L		07/28/11 14:42	08/02/11 13:33	1
Benzo[g,h,i]perylene	10	U	10	0.87	ug/L		07/28/11 14:42	08/02/11 13:33	1
Benzo[k]fluoranthene	10	U	10	1.2	ug/L		07/28/11 14:42	08/02/11 13:33	1
Benzyl alcohol	10	U	10	1.1	ug/L		07/28/11 14:42	08/02/11 13:33	1
1,1'-Biphenyl	10	U	10	0.58	ug/L		07/28/11 14:42	08/02/11 13:33	1
Bis(2-chloroethoxy)methane	10	U	10	0.94	ug/L		07/28/11 14:42	08/02/11 13:33	1
Bis(2-chloroethyl)ether	10	U	10	1.1	ug/L		07/28/11 14:42	08/02/11 13:33	1
bis(chloroisopropyl) ether	10	U	10	0.78	ug/L		07/28/11 14:42	08/02/11 13:33	1
Bis(2-ethylhexyl) phthalate	10	U	10	1.6	ug/L		07/28/11 14:42	08/02/11 13:33	1
4-Bromophenyl phenyl ether	10	U	10	0.77	ug/L		07/28/11 14:42	08/02/11 13:33	1
Butyl benzyl phthalate	10	U	10	1.2	ug/L		07/28/11 14:42	08/02/11 13:33	1

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210278/14-A

Matrix: Water

Analysis Batch: 210829

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210278

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	20	U	20	2.2	ug/L		07/28/11 14:42	08/02/11 13:33	1
4-Chloro-3-methylphenol	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 13:33	1
2-Chloronaphthalene	10	U	10	0.80	ug/L		07/28/11 14:42	08/02/11 13:33	1
2-Chlorophenol	10	U	10	0.87	ug/L		07/28/11 14:42	08/02/11 13:33	1
4-Chlorophenyl phenyl ether	10	U	10	0.84	ug/L		07/28/11 14:42	08/02/11 13:33	1
Chrysene	10	U	10	0.51	ug/L		07/28/11 14:42	08/02/11 13:33	1
Diallylate	10	U	10	0.78	ug/L		07/28/11 14:42	08/02/11 13:33	1
Dibenz(a,h)anthracene	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 13:33	1
Dibenzofuran	10	U	10	0.79	ug/L		07/28/11 14:42	08/02/11 13:33	1
1,2-Dichlorobenzene	10	U	10	0.53	ug/L		07/28/11 14:42	08/02/11 13:33	1
1,3-Dichlorobenzene	10	U	10	0.59	ug/L		07/28/11 14:42	08/02/11 13:33	1
1,4-Dichlorobenzene	10	U	10	0.54	ug/L		07/28/11 14:42	08/02/11 13:33	1
3,3'-Dichlorobenzidine	60	U	60	30	ug/L		07/28/11 14:42	08/02/11 13:33	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		07/28/11 14:42	08/02/11 13:33	1
2,6-Dichlorophenol	10	U	10	0.73	ug/L		07/28/11 14:42	08/02/11 13:33	1
Diethyl phthalate	10	U	10	0.88	ug/L		07/28/11 14:42	08/02/11 13:33	1
Dimethoate	10	U	10	0.75	ug/L		07/28/11 14:42	08/02/11 13:33	1
7,12-Dimethylbenz(a)anthracene	10	U	10	1.2	ug/L		07/28/11 14:42	08/02/11 13:33	1
3,3'-Dimethylbenzidine	20	U	20	10	ug/L		07/28/11 14:42	08/02/11 13:33	1
2,4-Dimethylphenol	10	U	10	4.0	ug/L		07/28/11 14:42	08/02/11 13:33	1
Dimethyl phthalate	10	U	10	0.99	ug/L		07/28/11 14:42	08/02/11 13:33	1
Di-n-butyl phthalate	10	U	10	0.83	ug/L		07/28/11 14:42	08/02/11 13:33	1
1,3-Dinitrobenzene	10	U	10	0.60	ug/L		07/28/11 14:42	08/02/11 13:33	1
4,6-Dinitro-2-methylphenol	50	U	50	10	ug/L		07/28/11 14:42	08/02/11 13:33	1
2,4-Dinitrophenol	50	U	50	10	ug/L		07/28/11 14:42	08/02/11 13:33	1
2,4-Dinitrotoluene	10	U	10	1.2	ug/L		07/28/11 14:42	08/02/11 13:33	1
2,6-Dinitrotoluene	10	U	10	1.1	ug/L		07/28/11 14:42	08/02/11 13:33	1
Di-n-octyl phthalate	10	U	10	1.4	ug/L		07/28/11 14:42	08/02/11 13:33	1
Dinoseb	10	U	10	5.0	ug/L		07/28/11 14:42	08/02/11 13:33	1
1,4-Dioxane	10	U	10	3.4	ug/L		07/28/11 14:42	08/02/11 13:33	1
Disulfoton	10	U	10	0.79	ug/L		07/28/11 14:42	08/02/11 13:33	1
Ethyl methanesulfonate	10	U	10	0.96	ug/L		07/28/11 14:42	08/02/11 13:33	1
Ethyl Parathion	10	U	10	1.3	ug/L		07/28/11 14:42	08/02/11 13:33	1
Famphur	10	U	10	1.1	ug/L		07/28/11 14:42	08/02/11 13:33	1
Fluoranthene	10	U	10	0.74	ug/L		07/28/11 14:42	08/02/11 13:33	1
Fluorene	10	U	10	0.96	ug/L		07/28/11 14:42	08/02/11 13:33	1
Hexachlorobenzene	10	U	10	0.79	ug/L		07/28/11 14:42	08/02/11 13:33	1
Hexachlorobutadiene	10	U	10	0.62	ug/L		07/28/11 14:42	08/02/11 13:33	1
Hexachlorocyclopentadiene	10	U	10	2.5	ug/L		07/28/11 14:42	08/02/11 13:33	1
Hexachloroethane	10	U	10	0.76	ug/L		07/28/11 14:42	08/02/11 13:33	1
Hexachlorophene	5000	U	5000	27	ug/L		07/28/11 14:42	08/02/11 13:33	1
Hexachloropropene	10	U	10	1.4	ug/L		07/28/11 14:42	08/02/11 13:33	1
Indeno[1,2,3-cd]pyrene	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 13:33	1
Isophorone	10	U	10	0.90	ug/L		07/28/11 14:42	08/02/11 13:33	1
Isosafrole	10	U	10	0.50	ug/L		07/28/11 14:42	08/02/11 13:33	1
Methapyrilene	2000	U	2000	2.7	ug/L		07/28/11 14:42	08/02/11 13:33	1
3-Methylcholanthrene	10	U	10	1.4	ug/L		07/28/11 14:42	08/02/11 13:33	1
Methyl methanesulfonate	10	U	10	0.60	ug/L		07/28/11 14:42	08/02/11 13:33	1
2-Methylnaphthalene	10	U	10	0.78	ug/L		07/28/11 14:42	08/02/11 13:33	1
Methyl parathion	10	U	10	0.88	ug/L		07/28/11 14:42	08/02/11 13:33	1

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210278/14-A

Matrix: Water

Analysis Batch: 210829

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210278

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.89	ug/L		07/28/11 14:42	08/02/11 13:33	1
3 & 4 Methylphenol	10	U	10	1.3	ug/L		07/28/11 14:42	08/02/11 13:33	1
Naphthalene	10	U	10	0.70	ug/L		07/28/11 14:42	08/02/11 13:33	1
1,4-Naphthoquinone	10	U	10	0.62	ug/L		07/28/11 14:42	08/02/11 13:33	1
1-Naphthylamine	10	U	10	1.1	ug/L		07/28/11 14:42	08/02/11 13:33	1
2-Naphthylamine	10	U	10	1.5	ug/L		07/28/11 14:42	08/02/11 13:33	1
2-Nitroaniline	50	U	50	1.3	ug/L		07/28/11 14:42	08/02/11 13:33	1
3-Nitroaniline	50	U	50	5.0	ug/L		07/28/11 14:42	08/02/11 13:33	1
4-Nitroaniline	50	U	50	5.0	ug/L		07/28/11 14:42	08/02/11 13:33	1
Nitrobenzene	10	U	10	0.73	ug/L		07/28/11 14:42	08/02/11 13:33	1
2-Nitrophenol	10	U	10	0.76	ug/L		07/28/11 14:42	08/02/11 13:33	1
4-Nitrophenol	50	U	50	1.9	ug/L		07/28/11 14:42	08/02/11 13:33	1
4-Nitroquinoline-1-oxide	20	U	20	10	ug/L		07/28/11 14:42	08/02/11 13:33	1
N-Nitro-o-toluidine	10	U	10	1.5	ug/L		07/28/11 14:42	08/02/11 13:33	1
N-Nitrosodiethylamine	10	U	10	0.93	ug/L		07/28/11 14:42	08/02/11 13:33	1
N-Nitrosodimethylamine	10	U	10	2.8	ug/L		07/28/11 14:42	08/02/11 13:33	1
N-Nitrosodi-n-butylamine	10	U	10	0.96	ug/L		07/28/11 14:42	08/02/11 13:33	1
N-Nitrosodi-n-propylamine	10	U	10	0.72	ug/L		07/28/11 14:42	08/02/11 13:33	1
N-Nitrosodiphenylamine	10	U	10	0.92	ug/L		07/28/11 14:42	08/02/11 13:33	1
N-Nitrosomethylethylamine	10	U	10	3.3	ug/L		07/28/11 14:42	08/02/11 13:33	1
N-Nitrosomorpholine	10	U	10	0.84	ug/L		07/28/11 14:42	08/02/11 13:33	1
N-Nitrosopiperidine	10	U	10	0.88	ug/L		07/28/11 14:42	08/02/11 13:33	1
N-Nitrosopyrrolidine	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 13:33	1
o,o',o''-Triethylphosphorothioate	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 13:33	1
p-Dimethylamino azobenzene	10	U	10	0.79	ug/L		07/28/11 14:42	08/02/11 13:33	1
Pentachlorobenzene	10	U	10	0.52	ug/L		07/28/11 14:42	08/02/11 13:33	1
Pentachloronitrobenzene	10	U	10	0.78	ug/L		07/28/11 14:42	08/02/11 13:33	1
Pentachlorophenol	50	U	50	2.0	ug/L		07/28/11 14:42	08/02/11 13:33	1
Phenacetin	10	U	10	1.4	ug/L		07/28/11 14:42	08/02/11 13:33	1
Phenanthrene	10	U	10	0.77	ug/L		07/28/11 14:42	08/02/11 13:33	1
Phenol	10	U	10	0.83	ug/L		07/28/11 14:42	08/02/11 13:33	1
Phorate	10	U	10	0.87	ug/L		07/28/11 14:42	08/02/11 13:33	1
2-Picoline	10	U	10	1.4	ug/L		07/28/11 14:42	08/02/11 13:33	1
p-Phenylene diamine	2000	U	2000	10	ug/L		07/28/11 14:42	08/02/11 13:33	1
Pronamide	10	U	10	0.89	ug/L		07/28/11 14:42	08/02/11 13:33	1
Pyrene	10	U	10	0.63	ug/L		07/28/11 14:42	08/02/11 13:33	1
Pyridine	50	U	50	2.3	ug/L		07/28/11 14:42	08/02/11 13:33	1
Safrole, Total	10	U	10	0.80	ug/L		07/28/11 14:42	08/02/11 13:33	1
Sulfotepp	10	U	10	0.53	ug/L		07/28/11 14:42	08/02/11 13:33	1
1,2,4,5-Tetrachlorobenzene	10	U	10	0.76	ug/L		07/28/11 14:42	08/02/11 13:33	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.72	ug/L		07/28/11 14:42	08/02/11 13:33	1
Thionazin	10	U	10	0.91	ug/L		07/28/11 14:42	08/02/11 13:33	1
2-Toluidine	10	U	10	1.4	ug/L		07/28/11 14:42	08/02/11 13:33	1
1,2,4-Trichlorobenzene	10	U	10	0.56	ug/L		07/28/11 14:42	08/02/11 13:33	1
2,4,5-Trichlorophenol	10	U	10	1.2	ug/L		07/28/11 14:42	08/02/11 13:33	1
2,4,6-Trichlorophenol	10	U	10	0.85	ug/L		07/28/11 14:42	08/02/11 13:33	1
1,3,5-Trinitrobenzene	10	U	10	2.0	ug/L		07/28/11 14:42	08/02/11 13:33	1

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210278/14-A

Matrix: Water

Analysis Batch: 210829

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210278

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
% Recovery	Qualifier					
2-Fluorobiphenyl	75		38 - 130	07/28/11 14:42	08/02/11 13:33	1
2-Fluorophenol	76		25 - 130	07/28/11 14:42	08/02/11 13:33	1
Nitrobenzene-d5	83		39 - 130	07/28/11 14:42	08/02/11 13:33	1
Phenol-d5	83		25 - 130	07/28/11 14:42	08/02/11 13:33	1
Terphenyl-d14	87		10 - 143	07/28/11 14:42	08/02/11 13:33	1
2,4,6-Tribromophenol	80		31 - 141	07/28/11 14:42	08/02/11 13:33	1

Lab Sample ID: LCS 680-210278/15-A

Matrix: Water

Analysis Batch: 210829

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210278

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	100	76.9		ug/L		77	55 - 130
Acenaphthylene	100	79.2		ug/L		79	60 - 130
Acetophenone	100	78.5		ug/L		78	54 - 130
Aniline	100	80.5		ug/L		80	10 - 130
Anthracene	100	84.7		ug/L		85	61 - 130
Benzo[a]anthracene	100	99.4		ug/L		99	58 - 130
Benzo[a]pyrene	100	95.9		ug/L		96	61 - 130
Benzo[b]fluoranthene	100	96.5		ug/L		97	51 - 130
Benzo[g,h,i]perylene	100	87.7		ug/L		88	54 - 130
Benzo[k]fluoranthene	100	82.1		ug/L		82	53 - 130
Benzyl alcohol	100	83.1		ug/L		83	53 - 130
1,1'-Biphenyl	100	73.0		ug/L		73	54 - 130
Bis(2-chloroethoxy)methane	100	91.4		ug/L		91	64 - 130
Bis(2-chloroethyl)ether	100	80.4		ug/L		80	56 - 130
bis(chloroisopropyl) ether	100	92.8		ug/L		93	55 - 130
Bis(2-ethylhexyl) phthalate	100	103		ug/L		103	62 - 130
4-Bromophenyl phenyl ether	100	89.9		ug/L		90	61 - 130
Butyl benzyl phthalate	100	110		ug/L		110	66 - 130
4-Chloroaniline	100	77.8		ug/L		78	42 - 130
4-Chloro-3-methylphenol	100	85.2		ug/L		85	60 - 130
2-Chloronaphthalene	100	72.4		ug/L		72	53 - 130
2-Chlorophenol	100	76.6		ug/L		77	57 - 130
4-Chlorophenyl phenyl ether	100	82.4		ug/L		82	57 - 130
Chrysene	100	95.6		ug/L		96	59 - 130
Dibenz(a,h)anthracene	100	85.8		ug/L		86	55 - 130
Dibenzofuran	100	78.6		ug/L		79	58 - 130
1,2-Dichlorobenzene	100	64.0		ug/L		64	43 - 130
1,3-Dichlorobenzene	100	61.7		ug/L		62	41 - 130
1,4-Dichlorobenzene	100	62.1		ug/L		62	43 - 130
3,3'-Dichlorobenzidine	100	64.6		ug/L		65	27 - 130
2,4-Dichlorophenol	100	79.0		ug/L		79	54 - 130
Diethyl phthalate	100	94.3		ug/L		94	70 - 130
2,4-Dimethylphenol	100	66.3		ug/L		66	40 - 130
Dimethyl phthalate	100	88.8		ug/L		89	69 - 130
Di-n-butyl phthalate	100	93.2		ug/L		93	66 - 130
4,6-Dinitro-2-methylphenol	100	86.8		ug/L		87	45 - 134
2,4-Dinitrophenol	100	94.1		ug/L		94	20 - 165

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210278/15-A

Matrix: Water

Analysis Batch: 210829

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210278

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2,4-Dinitrotoluene	100	85.4		ug/L		85	63 - 130
2,6-Dinitrotoluene	100	83.3		ug/L		83	65 - 130
Di-n-octyl phthalate	100	112		ug/L		112	64 - 130
1,4-Dioxane	100	57.7		ug/L		58	35 - 130
Fluoranthene	100	86.0		ug/L		86	56 - 130
Fluorene	100	82.4		ug/L		82	61 - 130
Hexachlorobenzene	100	80.3		ug/L		80	52 - 130
Hexachlorobutadiene	100	68.8		ug/L		69	36 - 130
Hexachlorocyclopentadiene	100	27.8		ug/L		28	10 - 130
Hexachloroethane	100	61.6		ug/L		62	39 - 130
Indeno[1,2,3-cd]pyrene	100	97.9		ug/L		98	47 - 130
Isophorone	100	81.8		ug/L		82	59 - 130
2-Methylnaphthalene	100	74.6		ug/L		75	52 - 130
2-Methylphenol	100	80.6		ug/L		81	55 - 130
3 & 4 Methylphenol	100	79.7		ug/L		80	35 - 130
Naphthalene	100	74.3		ug/L		74	50 - 130
2-Nitroaniline	100	93.2		ug/L		93	60 - 130
3-Nitroaniline	100	86.4		ug/L		86	54 - 130
4-Nitroaniline	100	88.2		ug/L		88	54 - 130
Nitrobenzene	100	84.6		ug/L		85	56 - 130
2-Nitrophenol	100	78.7		ug/L		79	54 - 130
4-Nitrophenol	100	85.1		ug/L		85	38 - 130
N-Nitrosodimethylamine	100	105		ug/L		105	54 - 130
N-Nitrosodi-n-propylamine	100	97.9		ug/L		98	64 - 130
N-Nitrosodiphenylamine	100	87.3		ug/L		87	68 - 130
Pentachlorophenol	100	84.5		ug/L		84	42 - 138
Phenanthrene	100	85.9		ug/L		86	62 - 130
Phenol	100	77.7		ug/L		78	29 - 130
Pyrene	100	95.0		ug/L		95	60 - 130
Pyridine	100	64.2		ug/L		64	10 - 130
1,2,4-Trichlorobenzene	100	65.7		ug/L		66	42 - 130
2,4,5-Trichlorophenol	100	81.9		ug/L		82	61 - 130
2,4,6-Trichlorophenol	100	80.2		ug/L		80	57 - 130

Surrogate	LCS % Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	72		38 - 130
2-Fluorophenol	77		25 - 130
Nitrobenzene-d5	87		39 - 130
Phenol-d5	80		25 - 130
Terphenyl-d14	87		10 - 143
2,4,6-Tribromophenol	87		31 - 141

Lab Sample ID: LCS 680-210278/18-A

Matrix: Water

Analysis Batch: 210829

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210278

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2-Acetylaminofluorene	100	108		ug/L		108	63 - 130
alpha,alpha-Dimethyl phenethylamine	100	196	J	ug/L		196	10 - 200

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210278/18-A

Matrix: Water

Analysis Batch: 210829

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210278

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
4-Aminobiphenyl	100	43.1		ug/L		43	10 - 130
Aramite, Total	100	121		ug/L		121	12 - 181
Diallate	100	66.3		ug/L		66	45 - 130
2,6-Dichlorophenol	100	87.6		ug/L		88	55 - 130
Dimethoate	100	40.6	*	ug/L		41	64 - 130
7,12-Dimethylbenz(a)anthracene	100	81.0		ug/L		81	57 - 130
3,3'-Dimethylbenzidine	250	214	E	ug/L		86	10 - 130
1,3-Dinitrobenzene	100	99.1		ug/L		99	61 - 130
Dinoseb	100	98.4		ug/L		98	70 - 138
Disulfoton	100	63.3	*	ug/L		63	65 - 130
Ethyl methanesulfonate	100	48.4		ug/L		48	10 - 156
Ethyl Parathion	100	99.4		ug/L		99	67 - 153
Famphur	100	2.64	J *	ug/L		3	10 - 130
Hexachlorophene	500	338	J E	ug/L		68	10 - 130
Hexachloropropene	100	44.2		ug/L		44	10 - 130
Isosafrole	100	89.0		ug/L		89	54 - 130
Methapyrilene	500	312	J E	ug/L		62	10 - 155
3-Methylcholanthrene	100	28.5		ug/L		28	10 - 148
Methyl methanesulfonate	100	35.7		ug/L		36	10 - 130
Methyl parathion	100	61.4	*	ug/L		61	65 - 148
1,4-Naphthoquinone	100	18.9		ug/L		19	10 - 132
1-Naphthylamine	100	74.0		ug/L		74	28 - 130
2-Naphthylamine	100	55.0		ug/L		55	10 - 130
4-Nitroquinoline-1-oxide	100	121		ug/L		121	10 - 146
N-Nitro-o-toluidine	100	90.1		ug/L		90	46 - 130
N-Nitrosodiethylamine	100	68.5		ug/L		69	37 - 130
N-Nitrosodi-n-butylamine	100	81.3		ug/L		81	40 - 130
N-Nitrosomethylethylamine	100	65.4		ug/L		65	22 - 130
N-Nitrosomorpholine	100	97.1		ug/L		97	25 - 130
N-Nitrosopiperidine	100	76.6		ug/L		77	55 - 130
N-Nitrosopyrrolidine	100	79.9		ug/L		80	36 - 130
o,o',o"-Triethylphosphorothioate	100	77.2		ug/L		77	18 - 139
p-Dimethylamino azobenzene	100	76.6		ug/L		77	49 - 130
Pentachlorobenzene	100	99.2		ug/L		99	60 - 130
Pentachloronitrobenzene	100	108		ug/L		108	70 - 130
Phenacetin	100	97.2		ug/L		97	47 - 130
Phorate	100	67.7		ug/L		68	52 - 156
2-Picoline	100	57.7		ug/L		58	10 - 130
p-Phenylene diamine	500	254	J E	ug/L		51	10 - 130
Pronamide	100	99.5		ug/L		100	70 - 130
Safrole, Total	100	88.1		ug/L		88	54 - 130
Sulfotepp	100	87.1		ug/L		87	65 - 130
1,2,4,5-Tetrachlorobenzene	100	84.4		ug/L		84	51 - 130
2,3,4,6-Tetrachlorophenol	100	119		ug/L		119	64 - 130
Thionazin	100	81.5		ug/L		82	70 - 130
2-Toluidine	100	64.2		ug/L		64	22 - 130
1,3,5-Trinitrobenzene	100	58.3		ug/L		58	21 - 165

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210278/18-A

Matrix: Water

Analysis Batch: 210829

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210278

	LCS	LCS	
Surrogate	% Recovery	Qualifier	Limits
2-Fluorobiphenyl	70		38 - 130
2-Fluorophenol	65		25 - 130
Nitrobenzene-d5	74		39 - 130
Phenol-d5	70		25 - 130
Terphenyl-d14	84		10 - 143
2,4,6-Tribromophenol	93		31 - 141

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Lab Sample ID: MB 680-210285/18-A

Matrix: Water

Analysis Batch: 210539

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210285

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Aldrin	0.050	U	0.050	0.0070	ug/L		07/28/11 14:42	07/30/11 13:01		1
alpha-BHC	0.050	U	0.050	0.0057	ug/L		07/28/11 14:42	07/30/11 13:01		1
beta-BHC	0.050	U	0.050	0.0067	ug/L		07/28/11 14:42	07/30/11 13:01		1
Chlordane (technical)	0.50	U	0.50	0.10	ug/L		07/28/11 14:42	07/30/11 13:01		1
Chlorobenzilate	0.50	U	0.50	0.50	ug/L		07/28/11 14:42	07/30/11 13:01		1
4,4'-DDD	0.10	U	0.10	0.0065	ug/L		07/28/11 14:42	07/30/11 13:01		1
4,4'-DDE	0.10	U	0.10	0.0077	ug/L		07/28/11 14:42	07/30/11 13:01		1
4,4'-DDT	0.10	U	0.10	0.0097	ug/L		07/28/11 14:42	07/30/11 13:01		1
delta-BHC	0.050	U	0.050	0.0048	ug/L		07/28/11 14:42	07/30/11 13:01		1
Dieldrin	0.10	U	0.10	0.0091	ug/L		07/28/11 14:42	07/30/11 13:01		1
Endosulfan I	0.050	U	0.050	0.0042	ug/L		07/28/11 14:42	07/30/11 13:01		1
Endosulfan II	0.10	U	0.10	0.0098	ug/L		07/28/11 14:42	07/30/11 13:01		1
Endosulfan sulfate	0.10	U	0.10	0.0068	ug/L		07/28/11 14:42	07/30/11 13:01		1
Endrin	0.10	U	0.10	0.0097	ug/L		07/28/11 14:42	07/30/11 13:01		1
Endrin aldehyde	0.10	U	0.10	0.016	ug/L		07/28/11 14:42	07/30/11 13:01		1
Endrin ketone	0.10	U	0.10	0.0084	ug/L		07/28/11 14:42	07/30/11 13:01		1
gamma-BHC (Lindane)	0.050	U	0.050	0.0059	ug/L		07/28/11 14:42	07/30/11 13:01		1
Heptachlor	0.050	U	0.050	0.0070	ug/L		07/28/11 14:42	07/30/11 13:01		1
Heptachlor epoxide	0.050	U	0.050	0.0060	ug/L		07/28/11 14:42	07/30/11 13:01		1
Isodrin	0.050	U	0.050	0.050	ug/L		07/28/11 14:42	07/30/11 13:01		1
Kepone	1.0	U	1.0	1.0	ug/L		07/28/11 14:42	07/30/11 13:01		1
Methoxychlor	0.10	U	0.10	0.013	ug/L		07/28/11 14:42	07/30/11 13:01		1
Toxaphene	5.0	U	5.0	0.50	ug/L		07/28/11 14:42	07/30/11 13:01		1
PCB-1016	1.0	U	1.0	0.071	ug/L		07/28/11 14:42	07/30/11 13:01		1
PCB-1221	2.0	U	2.0	0.28	ug/L		07/28/11 14:42	07/30/11 13:01		1
PCB-1232	1.0	U	1.0	0.11	ug/L		07/28/11 14:42	07/30/11 13:01		1
PCB-1242	1.0	U	1.0	0.18	ug/L		07/28/11 14:42	07/30/11 13:01		1
PCB-1248	1.0	U	1.0	0.36	ug/L		07/28/11 14:42	07/30/11 13:01		1
PCB-1254	1.0	U	1.0	0.26	ug/L		07/28/11 14:42	07/30/11 13:01		1
PCB-1260	1.0	U	1.0	0.20	ug/L		07/28/11 14:42	07/30/11 13:01		1

	MB	MB								
Surrogate	% Recovery	Qualifier	Limits			Prepared	Analyzed	Dil	Fac	
Tetrachloro-m-xylene	66		36 - 130			07/28/11 14:42	07/30/11 13:01		1	
DCB Decachlorobiphenyl	54		40 - 130			07/28/11 14:42	07/30/11 13:01		1	

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: MB 680-210285/18-A

Matrix: Water

Analysis Batch: 211186

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210285

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.050	U	0.050	0.0070	ug/L		07/28/11 14:42	08/01/11 16:11	1
alpha-BHC	0.050	U	0.050	0.0057	ug/L		07/28/11 14:42	08/01/11 16:11	1
beta-BHC	0.050	U	0.050	0.0067	ug/L		07/28/11 14:42	08/01/11 16:11	1
Chlordane (technical)	0.50	U	0.50	0.10	ug/L		07/28/11 14:42	08/01/11 16:11	1
Chlorobenzilate	0.50	U	0.50	0.50	ug/L		07/28/11 14:42	08/01/11 16:11	1
4,4'-DDD	0.10	U	0.10	0.0065	ug/L		07/28/11 14:42	08/01/11 16:11	1
4,4'-DDE	0.10	U	0.10	0.0077	ug/L		07/28/11 14:42	08/01/11 16:11	1
4,4'-DDT	0.10	U	0.10	0.0097	ug/L		07/28/11 14:42	08/01/11 16:11	1
delta-BHC	0.050	U	0.050	0.0048	ug/L		07/28/11 14:42	08/01/11 16:11	1
Dieldrin	0.10	U	0.10	0.0091	ug/L		07/28/11 14:42	08/01/11 16:11	1
Endosulfan I	0.050	U	0.050	0.0042	ug/L		07/28/11 14:42	08/01/11 16:11	1
Endosulfan II	0.10	U	0.10	0.0098	ug/L		07/28/11 14:42	08/01/11 16:11	1
Endosulfan sulfate	0.10	U	0.10	0.0068	ug/L		07/28/11 14:42	08/01/11 16:11	1
Endrin	0.10	U	0.10	0.0097	ug/L		07/28/11 14:42	08/01/11 16:11	1
Endrin aldehyde	0.10	U	0.10	0.016	ug/L		07/28/11 14:42	08/01/11 16:11	1
Endrin ketone	0.10	U	0.10	0.0084	ug/L		07/28/11 14:42	08/01/11 16:11	1
gamma-BHC (Lindane)	0.050	U	0.050	0.0059	ug/L		07/28/11 14:42	08/01/11 16:11	1
Heptachlor	0.050	U	0.050	0.0070	ug/L		07/28/11 14:42	08/01/11 16:11	1
Heptachlor epoxide	0.050	U	0.050	0.0060	ug/L		07/28/11 14:42	08/01/11 16:11	1
Isodrin	0.050	U	0.050	0.050	ug/L		07/28/11 14:42	08/01/11 16:11	1
Kepone	1.0	U	1.0	1.0	ug/L		07/28/11 14:42	08/01/11 16:11	1
Methoxychlor	0.10	U	0.10	0.013	ug/L		07/28/11 14:42	08/01/11 16:11	1
Toxaphene	5.0	U	5.0	0.50	ug/L		07/28/11 14:42	08/01/11 16:11	1
PCB-1016	1.0	U	1.0	0.071	ug/L		07/28/11 14:42	08/01/11 16:11	1
PCB-1221	2.0	U	2.0	0.28	ug/L		07/28/11 14:42	08/01/11 16:11	1
PCB-1232	1.0	U	1.0	0.11	ug/L		07/28/11 14:42	08/01/11 16:11	1
PCB-1242	1.0	U	1.0	0.18	ug/L		07/28/11 14:42	08/01/11 16:11	1
PCB-1248	1.0	U	1.0	0.36	ug/L		07/28/11 14:42	08/01/11 16:11	1
PCB-1254	1.0	U	1.0	0.26	ug/L		07/28/11 14:42	08/01/11 16:11	1
PCB-1260	1.0	U	1.0	0.20	ug/L		07/28/11 14:42	08/01/11 16:11	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	70		36 - 130	07/28/11 14:42	08/01/11 16:11	1
Tetrachloro-m-xylene	67		36 - 130	07/28/11 14:42	08/01/11 16:11	1
DCB Decachlorobiphenyl	55		40 - 130	07/28/11 14:42	08/01/11 16:11	1
DCB Decachlorobiphenyl	43		40 - 130	07/28/11 14:42	08/01/11 16:11	1

Lab Sample ID: LCS 680-210285/19-A

Matrix: Water

Analysis Batch: 210539

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210285

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Aldrin	0.100	0.0701		ug/L		70	14 - 168
alpha-BHC	0.100	0.0767		ug/L		77	43 - 138
beta-BHC	0.100	0.0807		ug/L		81	38 - 158
4,4'-DDD	0.200	0.156		ug/L		78	49 - 144
4,4'-DDE	0.200	0.146		ug/L		73	46 - 144
4,4'-DDT	0.200	0.136		ug/L		68	48 - 166
delta-BHC	0.100	0.0587	p	ug/L		59	23 - 191

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: LCS 680-210285/19-A

Matrix: Water

Analysis Batch: 210539

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210285

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Dieldrin	0.200	0.151		ug/L		76	61 - 136	
Endosulfan I	0.100	0.0731		ug/L		73	52 - 141	
Endosulfan II	0.200	0.173		ug/L		87	60 - 140	
Endosulfan sulfate	0.200	0.112	p *	ug/L		56	60 - 151	
Endrin	0.200	0.113	p *	ug/L		57	66 - 150	
Endrin aldehyde	0.200	0.136		ug/L		68	16 - 200	
Endrin ketone	0.200	0.145		ug/L		72	55 - 156	
gamma-BHC (Lindane)	0.100	0.0784		ug/L		78	54 - 134	
Heptachlor	0.100	0.0782		ug/L		78	10 - 200	
Heptachlor epoxide	0.100	0.0755		ug/L		76	49 - 142	
Methoxychlor	0.200	0.115		ug/L		57	13 - 186	

LCS LCS			
Surrogate	% Recovery	Qualifier	Limits
Tetrachloro-m-xylene	64		36 - 130
DCB Decachlorobiphenyl	48		40 - 130

Lab Sample ID: LCS 680-210285/19-A

Matrix: Water

Analysis Batch: 210629

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210285

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Aldrin	0.100	0.0615		ug/L		61	14 - 168	
alpha-BHC	0.100	0.0677		ug/L		68	43 - 138	
beta-BHC	0.100	0.0723	p	ug/L		72	38 - 158	
4,4'-DDD	0.200	0.130		ug/L		65	49 - 144	
4,4'-DDE	0.200	0.128		ug/L		64	46 - 144	
4,4'-DDT	0.200	0.120		ug/L		60	48 - 166	
delta-BHC	0.100	0.0823		ug/L		82	23 - 191	
Dieldrin	0.200	0.131		ug/L		66	61 - 136	
Endosulfan I	0.100	0.0675		ug/L		68	52 - 141	
Endosulfan II	0.200	0.136		ug/L		68	60 - 140	
Endosulfan sulfate	0.200	0.137		ug/L		69	60 - 151	
Endrin	0.200	0.128	*	ug/L		64	66 - 150	
Endrin aldehyde	0.200	0.188		ug/L		94	16 - 200	
Endrin ketone	0.200	0.140		ug/L		70	55 - 156	
gamma-BHC (Lindane)	0.100	0.0696		ug/L		70	54 - 134	
Heptachlor	0.100	0.0730		ug/L		73	10 - 200	
Heptachlor epoxide	0.100	0.0684		ug/L		68	49 - 142	
Methoxychlor	0.200	0.134		ug/L		67	13 - 186	

LCS LCS			
Surrogate	% Recovery	Qualifier	Limits
Tetrachloro-m-xylene	59		36 - 130
Tetrachloro-m-xylene	58		36 - 130
DCB Decachlorobiphenyl	37	X	40 - 130
DCB Decachlorobiphenyl	37	X	40 - 130

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: LCS 680-210285/24-A

Matrix: Water

Analysis Batch: 210539

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210285

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
PCB-1016	10.0	6.17		ug/L		62	38 - 172
PCB-1260	10.0	5.59		ug/L		56	46 - 138
Surrogate							
Tetrachloro-m-xylene						57	36 - 130
DCB Decachlorobiphenyl						33 p X	40 - 130

Lab Sample ID: LCS 680-210285/24-A

Matrix: Water

Analysis Batch: 211186

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210285

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
PCB-1016	10.0	9.35		ug/L		93	38 - 172
PCB-1260	10.0	9.05		ug/L		91	46 - 138
Surrogate							
Tetrachloro-m-xylene						78	36 - 130
Tetrachloro-m-xylene						80	36 - 130
DCB Decachlorobiphenyl						63	40 - 130
DCB Decachlorobiphenyl						51	40 - 130

Lab Sample ID: LCS 680-210285/27-A

Matrix: Water

Analysis Batch: 210539

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210285

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chlordane (technical)	5.00	4.29		ug/L		86	56 - 144
Surrogate							
Tetrachloro-m-xylene						66	36 - 130
DCB Decachlorobiphenyl						46	40 - 130

Lab Sample ID: LCS 680-210285/27-A

Matrix: Water

Analysis Batch: 211186

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210285

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chlordane (technical)	5.00	5.38		ug/L		108	56 - 144
Surrogate							
Tetrachloro-m-xylene						71	36 - 130
Tetrachloro-m-xylene						67	36 - 130
DCB Decachlorobiphenyl						54	40 - 130
DCB Decachlorobiphenyl						41	40 - 130

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: LCSD 680-210285/28-A

Matrix: Water

Analysis Batch: 211186

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 210285

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Chlordane (technical)	5.00	6.09		ug/L		122	56 - 144	12	50

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene	77		36 - 130
Tetrachloro-m-xylene	69		36 - 130
DCB Decachlorobiphenyl	69		40 - 130
DCB Decachlorobiphenyl	53		40 - 130

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 680-210266/18-A

Matrix: Water

Analysis Batch: 210520

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210266

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.50	U	0.50	0.037	ug/L		07/28/11 08:04	07/29/11 16:29	1
Silvex (2,4,5-TP)	0.50	U	0.50	0.062	ug/L		07/28/11 08:04	07/29/11 16:29	1
2,4,5-T	0.50	U	0.50	0.062	ug/L		07/28/11 08:04	07/29/11 16:29	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	80		52 - 151	07/28/11 08:04	07/29/11 16:29	1
DCAA	92		52 - 151	07/28/11 08:04	07/29/11 16:29	1

Lab Sample ID: LCS 680-210266/19-A

Matrix: Water

Analysis Batch: 210520

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210266

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2,4-D	2.00	1.99		ug/L		100	63 - 130
Silvex (2,4,5-TP)	2.00	1.76		ug/L		88	64 - 130
2,4,5-T	2.00	1.85		ug/L		93	59 - 130

Surrogate	LCS % Recovery	LCS Qualifier	Limits
DCAA	88		52 - 151
DCAA	114		52 - 151

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290)

Lab Sample ID: G1G280000070B

Matrix: Water

Analysis Batch: 1209070

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 1209070_P

Analyte	MB Result	MB Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		10	0.22	1		pg/L		07/28/11 09:00	07/30/11 00:15	1
Total HxCDD	ND		50	0.77			pg/L		07/28/11 09:00	07/30/11 00:15	1
Total HxCDF	ND		50	0.24			pg/L		07/28/11 09:00	07/30/11 00:15	1
Total PeCDD	ND		50	0.61			pg/L		07/28/11 09:00	07/30/11 00:15	1
Total PeCDF	ND		50	0.31			pg/L		07/28/11 09:00	07/30/11 00:15	1

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-1

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290) (Continued)

Lab Sample ID: G1G280000070B

Matrix: Water

Analysis Batch: 1209070

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 1209070_P

Analyte	Result	MB Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
Total TCDD	ND		10	0.38			pg/L		07/28/11 09:00	07/30/11 00:15	1
Total TCDF	ND		10	0.51			pg/L		07/28/11 09:00	07/30/11 00:15	1
Total TEQ						0.00					

Internal Standard	% Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	73		40 - 135	07/28/11 09:00	07/30/11 00:15	1
13C-1,2,3,7,8-PeCDD	75		40 - 135	07/28/11 09:00	07/30/11 00:15	1
13C-1,2,3,6,7,8-HxCDD	73		40 - 135	07/28/11 09:00	07/30/11 00:15	1
13C-2,3,7,8-TCDF	76		40 - 135	07/28/11 09:00	07/30/11 00:15	1
13C-1,2,3,7,8-PeCDF	75		40 - 135	07/28/11 09:00	07/30/11 00:15	1
13C-1,2,3,4,7,8-HxCDF	74		40 - 135	07/28/11 09:00	07/30/11 00:15	1

Lab Sample ID: G1G280000070C

Matrix: Water

Analysis Batch: 1209070

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 1209070_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2,3,7,8-TCDD	200	206		pg/L		103	72 - 144

Internal Standard	% Recovery	LCS Qualifier	Limits
13C-2,3,7,8-TCDD	75		40 - 135
13C-1,2,3,7,8-PeCDD	80		40 - 135
13C-1,2,3,6,7,8-HxCDD	82		40 - 135
13C-2,3,7,8-TCDF	80		40 - 135
13C-1,2,3,7,8-PeCDF	78		40 - 135
13C-1,2,3,4,7,8-HxCDF	74		40 - 135

Lab Sample ID: G1I150000041B

Matrix: Water

Analysis Batch: 1258041

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 1258041_P

Analyte	Result	MB Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		10	0.22	1		pg/L		07/28/11 09:00	07/30/11 00:15	1
1,2,3,7,8-PeCDD	ND		50	0.61	1		pg/L		07/28/11 09:00	07/30/11 00:15	1
1,2,3,4,7,8-HxCDD	ND		50	0.41	0.1		pg/L		07/28/11 09:00	07/30/11 00:15	1
1,2,3,6,7,8-HxCDD	ND		50	0.35	0.1		pg/L		07/28/11 09:00	07/30/11 00:15	1
1,2,3,7,8,9-HxCDD	ND		50	0.35	0.1		pg/L		07/28/11 09:00	07/30/11 00:15	1
1,2,3,4,6,7,8-HpCDD	ND		50	0.90	0.01		pg/L		07/28/11 09:00	07/30/11 00:15	1
OCDD	ND		100	3.6	0.0003		pg/L		07/28/11 09:00	07/30/11 00:15	1
2,3,7,8-TCDF	ND		10	0.51	0.1		pg/L		07/28/11 09:00	07/30/11 00:15	1
1,2,3,7,8-PeCDF	ND		50	0.28	0.03		pg/L		07/28/11 09:00	07/30/11 00:15	1
2,3,4,7,8-PeCDF	ND		50	0.31	0.3		pg/L		07/28/11 09:00	07/30/11 00:15	1
1,2,3,4,7,8-HxCDF	ND		50	0.18	0.1		pg/L		07/28/11 09:00	07/30/11 00:15	1
1,2,3,6,7,8-HxCDF	ND		50	0.24	0.1		pg/L		07/28/11 09:00	07/30/11 00:15	1
2,3,4,6,7,8-HxCDF	ND		50	0.17	0.1		pg/L		07/28/11 09:00	07/30/11 00:15	1
1,2,3,7,8,9-HxCDF	ND		50	0.20	0.1		pg/L		07/28/11 09:00	07/30/11 00:15	1
1,2,3,4,6,7,8-HpCDF	ND		50	0.36	0.01		pg/L		07/28/11 09:00	07/30/11 00:15	1
1,2,3,4,7,8,9-HpCDF	ND		50	0.41	0.01		pg/L		07/28/11 09:00	07/30/11 00:15	1
OCDF	ND		100	0.55	0.0003		pg/L		07/28/11 09:00	07/30/11 00:15	1

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Total TEQ

0.00

Internal Standard	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
13C-2,3,7,8-TCDD	73		40 - 135	07/28/11 09:00	07/30/11 00:15	1
13C-1,2,3,7,8-PeCDD	75		40 - 135	07/28/11 09:00	07/30/11 00:15	1
13C-1,2,3,6,7,8-HxCDD	73		40 - 135	07/28/11 09:00	07/30/11 00:15	1
13C-1,2,3,4,6,7,8-HpCDD	67		40 - 135	07/28/11 09:00	07/30/11 00:15	1
13C-OCDD	67		40 - 135	07/28/11 09:00	07/30/11 00:15	1
13C-2,3,7,8-TCDF	76		40 - 135	07/28/11 09:00	07/30/11 00:15	1
13C-1,2,3,7,8-PeCDF	75		40 - 135	07/28/11 09:00	07/30/11 00:15	1
13C-1,2,3,4,7,8-HxCDF	74		40 - 135	07/28/11 09:00	07/30/11 00:15	1
13C-1,2,3,4,6,7,8-HpCDF	68		40 - 135	07/28/11 09:00	07/30/11 00:15	1

Lab Sample ID: G1I150000041C

Matrix: Water

Analysis Batch: 1258041

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 1258041_P

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
2,3,7,8-TCDD	200	206		pg/L		103	72 - 144	
1,2,3,7,8-PeCDD	1000	1050		pg/L		105	79 - 125	
1,2,3,4,7,8-HxCDD	1000	928		pg/L		93	65 - 144	
1,2,3,6,7,8-HxCDD	1000	976		pg/L		98	78 - 137	
1,2,3,7,8,9-HxCDD	1000	1030		pg/L		103	74 - 142	
1,2,3,4,6,7,8-HpCDD	1000	1050		pg/L		105	81 - 132	
OCDD	2000	2150		pg/L		107	80 - 129	
2,3,7,8-TCDF	200	217		pg/L		108	73 - 150	
1,2,3,7,8-PeCDF	1000	1050		pg/L		105	79 - 137	
2,3,4,7,8-PeCDF	1000	1050		pg/L		105	76 - 137	
1,2,3,4,7,8-HxCDF	1000	1080		pg/L		108	86 - 126	
1,2,3,6,7,8-HxCDF	1000	1120		pg/L		112	79 - 137	
2,3,4,6,7,8-HxCDF	1000	1150		pg/L		115	80 - 138	
1,2,3,7,8,9-HxCDF	1000	1190		pg/L		119	72 - 145	
1,2,3,4,6,7,8-HpCDF	1000	1080		pg/L		108	81 - 135	
1,2,3,4,7,8,9-HpCDF	1000	1140		pg/L		114	72 - 140	
OCDF	2000	2320		pg/L		116	65 - 145	

Internal Standard	LCS LCS		Limits
	% Recovery	Qualifier	
13C-2,3,7,8-TCDD	75		40 - 135
13C-1,2,3,7,8-PeCDD	80		40 - 135
13C-1,2,3,6,7,8-HxCDD	82		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	71		40 - 135
13C-OCDD	73		40 - 135
13C-2,3,7,8-TCDF	80		40 - 135
13C-1,2,3,7,8-PeCDF	78		40 - 135
13C-1,2,3,4,7,8-HxCDF	74		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	69		40 - 135

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 680-210578/1-A

Matrix: Water

Analysis Batch: 211230

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210578

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	5.0	U	5.0	2.0	ug/L		08/01/11 08:48	08/06/11 20:57	1
Arsenic	2.5	U	2.5	1.3	ug/L		08/01/11 08:48	08/06/11 20:57	1
Barium	5.0	U	5.0	1.4	ug/L		08/01/11 08:48	08/06/11 20:57	1

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-210578/1-A

Matrix: Water

Analysis Batch: 211230

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210578

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.50	U	0.50	0.15	ug/L		08/01/11 08:48	08/06/11 20:57	1
Cadmium	0.50	U	0.50	0.13	ug/L		08/01/11 08:48	08/06/11 20:57	1
Chromium	5.0	U	5.0	2.5	ug/L		08/01/11 08:48	08/06/11 20:57	1
Cobalt	0.50	U	0.50	0.12	ug/L		08/01/11 08:48	08/06/11 20:57	1
Copper	5.0	U	5.0	1.1	ug/L		08/01/11 08:48	08/06/11 20:57	1
Lead	1.5	U	1.5	0.50	ug/L		08/01/11 08:48	08/06/11 20:57	1
Nickel	5.0	U	5.0	2.0	ug/L		08/01/11 08:48	08/06/11 20:57	1
Selenium	2.5	U	2.5	1.1	ug/L		08/01/11 08:48	08/06/11 20:57	1
Silver	1.0	U	1.0	0.18	ug/L		08/01/11 08:48	08/06/11 20:57	1
Thallium	1.0	U	1.0	0.25	ug/L		08/01/11 08:48	08/06/11 20:57	1
Tin	5.0	U	5.0	1.4	ug/L		08/01/11 08:48	08/06/11 20:57	1
Vanadium	10	U	10	3.2	ug/L		08/01/11 08:48	08/06/11 20:57	1
Zinc	20	U	20	8.4	ug/L		08/01/11 08:48	08/06/11 20:57	1

Lab Sample ID: LCS 680-210578/2-A

Matrix: Water

Analysis Batch: 211230

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Antimony	50.0	45.4		ug/L		91	75 - 125
Arsenic	100	97.9		ug/L		98	75 - 125
Barium	100	95.6		ug/L		96	75 - 125
Beryllium	50.0	48.7		ug/L		97	75 - 125
Cadmium	50.0	50.0		ug/L		100	75 - 125
Chromium	100	94.4		ug/L		94	75 - 125
Cobalt	50.0	47.4		ug/L		95	75 - 125
Copper	100	97.8		ug/L		98	75 - 125
Lead	50.0	49.1		ug/L		98	75 - 125
Nickel	100	98.4		ug/L		98	75 - 125
Selenium	100	104		ug/L		104	75 - 125
Silver	50.0	49.8		ug/L		100	75 - 125
Thallium	40.0	39.7		ug/L		99	75 - 125
Tin	100	95.8		ug/L		96	75 - 125
Vanadium	100	92.9		ug/L		93	75 - 125
Zinc	100	104		ug/L		104	75 - 125

Lab Sample ID: 680-70758-1 MS

Matrix: Water

Analysis Batch: 211230

Client Sample ID: ASH-MW08-072611

Prep Type: Total/NA

Prep Batch: 210578

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Antimony	5.0	U	50.0	51.0		ug/L		102	75 - 125
Arsenic	42		100	123		ug/L		81	75 - 125
Barium	260		100	364		ug/L		100	75 - 125
Beryllium	0.50	U	50.0	45.7		ug/L		91	75 - 125
Cadmium	0.50	U	50.0	48.5		ug/L		97	75 - 125
Chromium	5.0	U	100	101		ug/L		101	75 - 125
Cobalt	0.37	J	50.0	49.3		ug/L		98	75 - 125
Copper	1.5	J	100	73.4	F	ug/L		72	75 - 125
Lead	1.5	U	50.0	50.8		ug/L		102	75 - 125

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-70758-1 MS

Matrix: Water

Analysis Batch: 211230

Client Sample ID: ASH-MW08-072611

Prep Type: Total/NA

Prep Batch: 210578

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Nickel	5.0	U	100	101		ug/L		101	75 - 125	
Selenium	2.5	U	100	84.1		ug/L		84	75 - 125	
Silver	1.0	U	50.0	49.2		ug/L		98	75 - 125	
Thallium	1.0	U	40.0	40.2		ug/L		100	75 - 125	
Tin	5.0	U	100	53.1	F	ug/L		53	75 - 125	
Vanadium	10	U	100	102		ug/L		102	75 - 125	
Zinc	20	U	100	90.5		ug/L		91	75 - 125	

Lab Sample ID: 680-70758-1 MSD

Matrix: Water

Analysis Batch: 211230

Client Sample ID: ASH-MW08-072611

Prep Type: Total/NA

Prep Batch: 210578

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits		RPD	Limit
Antimony	5.0	U	50.0	55.2		ug/L		110	75 - 125		8	20
Arsenic	42		100	140		ug/L		98	75 - 125		13	20
Barium	260		100	396	F	ug/L		132	75 - 125		8	20
Beryllium	0.50	U	50.0	50.9		ug/L		102	75 - 125		11	20
Cadmium	0.50	U	50.0	52.8		ug/L		106	75 - 125		8	20
Chromium	5.0	U	100	117		ug/L		117	75 - 125		14	20
Cobalt	0.37	J	50.0	53.9		ug/L		107	75 - 125		9	20
Copper	1.5	J	100	80.1		ug/L		79	75 - 125		9	20
Lead	1.5	U	50.0	54.8		ug/L		110	75 - 125		8	20
Nickel	5.0	U	100	118		ug/L		118	75 - 125		15	20
Selenium	2.5	U	100	99.0		ug/L		99	75 - 125		16	20
Silver	1.0	U	50.0	53.1		ug/L		106	75 - 125		8	20
Thallium	1.0	U	40.0	43.7		ug/L		109	75 - 125		9	20
Tin	5.0	U	100	58.6	F	ug/L		59	75 - 125		10	20
Vanadium	10	U	100	118		ug/L		118	75 - 125		14	20
Zinc	20	U	100	96.4		ug/L		96	75 - 125		6	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-210700/1-A

Matrix: Water

Analysis Batch: 210774

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210700

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.20	U	0.20	0.091	ug/L		08/02/11 09:42	08/02/11 15:23	1

Lab Sample ID: LCS 680-210700/2-A

Matrix: Water

Analysis Batch: 210774

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210700

Analyte	Spike	LCS	LCS	Unit	D	% Rec	% Rec.	
	Added	Result	Qualifier				Limits	
Mercury	2.50	2.57		ug/L		103	80 - 120	

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 680-210574/1-A

Matrix: Water

Analysis Batch: 210679

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210574

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		08/01/11 07:51	08/02/11 06:31	1

Lab Sample ID: HLCS 680-210574/3-A

Matrix: Water

Analysis Batch: 210679

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210574

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	% Rec	% Rec. Limits
Cyanide, Total	0.0751	0.0804		mg/L		107	

Lab Sample ID: LCS 680-210574/2-A

Matrix: Water

Analysis Batch: 210679

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210574

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Cyanide, Total	0.0301	0.0272		mg/L		90	85 - 115

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 680-210212/1

Matrix: Water

Analysis Batch: 210212

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	1.0	U	1.0	1.0	mg/L			07/27/11 14:10	1

Lab Sample ID: LCS 680-210212/2

Matrix: Water

Analysis Batch: 210212

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Sulfide	10.0	8.62		mg/L		86	75 - 125

Lab Sample ID: LCSD 680-210212/3

Matrix: Water

Analysis Batch: 210212

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Sulfide	10.0	8.72		mg/L		87	75 - 125	1	30

QC Association Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

GC/MS VOA

Analysis Batch: 210523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-3	ASH-RSI-072611	Total/NA	Water	8260B	
680-70758-4	ASH-MW13-072611	Total/NA	Water	8260B	
680-70758-7	ASH-MW19-072611	Total/NA	Water	8260B	
680-70758-9	Trip Blank	Total/NA	Water	8260B	
LCS 680-210523/10	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-210523/11	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-210523/13	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 210543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-1	ASH-MW08-072611	Total/NA	Water	8260B	
680-70758-6	ASH-MW23-072611	Total/NA	Water	8260B	
LCS 680-210543/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-210543/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-210543/7	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 210665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-2	ASH-DUP-072611	Total/NA	Water	8260B	
680-70758-5	ASH-MW17-072611	Total/NA	Water	8260B	
LCS 680-210665/8	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-210665/9	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-210665/11	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 210278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-1	ASH-MW08-072611	Total/NA	Water	3520C	
680-70758-2	ASH-DUP-072611	Total/NA	Water	3520C	
680-70758-3	ASH-RSI-072611	Total/NA	Water	3520C	
680-70758-4	ASH-MW13-072611	Total/NA	Water	3520C	
680-70758-5	ASH-MW17-072611	Total/NA	Water	3520C	
680-70758-6	ASH-MW23-072611	Total/NA	Water	3520C	
680-70758-7	ASH-MW19-072611	Total/NA	Water	3520C	
LCS 680-210278/15-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 680-210278/18-A	Lab Control Sample	Total/NA	Water	3520C	
MB 680-210278/14-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 210829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-3	ASH-RSI-072611	Total/NA	Water	8270C	210278
LCS 680-210278/15-A	Lab Control Sample	Total/NA	Water	8270C	210278
LCS 680-210278/18-A	Lab Control Sample	Total/NA	Water	8270C	210278
MB 680-210278/14-A	Method Blank	Total/NA	Water	8270C	210278

Analysis Batch: 210853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-2	ASH-DUP-072611	Total/NA	Water	8270C	210278
680-70758-4	ASH-MW13-072611	Total/NA	Water	8270C	210278

QC Association Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

GC/MS Semi VOA (Continued)

Analysis Batch: 210894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-5	ASH-MW17-072611	Total/NA	Water	8270C	210278
680-70758-6	ASH-MW23-072611	Total/NA	Water	8270C	210278

Analysis Batch: 211006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-1	ASH-MW08-072611	Total/NA	Water	8270C	210278
680-70758-7	ASH-MW19-072611	Total/NA	Water	8270C	210278

GC Semi VOA

Prep Batch: 210266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-1	ASH-MW08-072611	Total/NA	Water	8151A	
680-70758-2	ASH-DUP-072611	Total/NA	Water	8151A	
680-70758-3	ASH-RSI-072611	Total/NA	Water	8151A	
680-70758-4	ASH-MW13-072611	Total/NA	Water	8151A	
680-70758-5	ASH-MW17-072611	Total/NA	Water	8151A	
680-70758-6	ASH-MW23-072611	Total/NA	Water	8151A	
680-70758-6 - DL	ASH-MW23-072611	Total/NA	Water	8151A	
680-70758-7	ASH-MW19-072611	Total/NA	Water	8151A	
LCS 680-210266/19-A	Lab Control Sample	Total/NA	Water	8151A	
MB 680-210266/18-A	Method Blank	Total/NA	Water	8151A	

Prep Batch: 210285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-1	ASH-MW08-072611	Total/NA	Water	3520C	
680-70758-2	ASH-DUP-072611	Total/NA	Water	3520C	
680-70758-3	ASH-RSI-072611	Total/NA	Water	3520C	
680-70758-4	ASH-MW13-072611	Total/NA	Water	3520C	
680-70758-5	ASH-MW17-072611	Total/NA	Water	3520C	
680-70758-6	ASH-MW23-072611	Total/NA	Water	3520C	
680-70758-7	ASH-MW19-072611	Total/NA	Water	3520C	
LCS 680-210285/19-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 680-210285/24-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 680-210285/27-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-210285/28-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 680-210285/18-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 210520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-1	ASH-MW08-072611	Total/NA	Water	8151A	210266
680-70758-2	ASH-DUP-072611	Total/NA	Water	8151A	210266
680-70758-3	ASH-RSI-072611	Total/NA	Water	8151A	210266
680-70758-4	ASH-MW13-072611	Total/NA	Water	8151A	210266
680-70758-5	ASH-MW17-072611	Total/NA	Water	8151A	210266
680-70758-6	ASH-MW23-072611	Total/NA	Water	8151A	210266
680-70758-7	ASH-MW19-072611	Total/NA	Water	8151A	210266
LCS 680-210266/19-A	Lab Control Sample	Total/NA	Water	8151A	210266
MB 680-210266/18-A	Method Blank	Total/NA	Water	8151A	210266

QC Association Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

GC Semi VOA (Continued)

Analysis Batch: 210539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-210285/19-A	Lab Control Sample	Total/NA	Water	8081A_8082	210285
LCS 680-210285/24-A	Lab Control Sample	Total/NA	Water	8081A_8082	210285
LCS 680-210285/27-A	Lab Control Sample	Total/NA	Water	8081A_8082	210285
MB 680-210285/18-A	Method Blank	Total/NA	Water	8081A_8082	210285

Analysis Batch: 210629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-210285/19-A	Lab Control Sample	Total/NA	Water	8081A_8082	210285

Analysis Batch: 210709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-6 - DL	ASH-MW23-072611	Total/NA	Water	8151A	210266

Analysis Batch: 211186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-1	ASH-MW08-072611	Total/NA	Water	8081A_8082	210285
680-70758-2	ASH-DUP-072611	Total/NA	Water	8081A_8082	210285
680-70758-3	ASH-RSI-072611	Total/NA	Water	8081A_8082	210285
680-70758-4	ASH-MW13-072611	Total/NA	Water	8081A_8082	210285
680-70758-6	ASH-MW23-072611	Total/NA	Water	8081A_8082	210285
680-70758-7	ASH-MW19-072611	Total/NA	Water	8081A_8082	210285
LCS 680-210285/24-A	Lab Control Sample	Total/NA	Water	8081A_8082	210285
LCS 680-210285/27-A	Lab Control Sample	Total/NA	Water	8081A_8082	210285
LCSD 680-210285/28-A	Lab Control Sample Dup	Total/NA	Water	8081A_8082	210285
MB 680-210285/18-A	Method Blank	Total/NA	Water	8081A_8082	210285

Analysis Batch: 211343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-5	ASH-MW17-072611	Total/NA	Water	8081A_8082	210285

DIOXIN

Analysis Batch: 1209070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-1	ASH-MW08-072611	Total	Water	8290	
680-70758-2	ASH-DUP-072611	Total	Water	8290	
680-70758-3	ASH-RSI-072611	Total	Water	8290	
680-70758-4	ASH-MW13-072611	Total	Water	8290	
680-70758-5	ASH-MW17-072611	Total	Water	8290	
680-70758-6	ASH-MW23-072611	Total	Water	8290	
680-70758-7	ASH-MW19-072611	Total	Water	8290	
G1G280000070B	Method Blank	Total	Water	8290	
G1G280000070C	Lab Control Sample	Total	Water	8290	

Analysis Batch: 1258041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-1	ASH-MW08-072611	Total	Water	8290	
680-70758-2	ASH-DUP-072611	Total	Water	8290	
680-70758-3	ASH-RSI-072611	Total	Water	8290	
680-70758-4	ASH-MW13-072611	Total	Water	8290	
680-70758-5	ASH-MW17-072611	Total	Water	8290	
680-70758-6	ASH-MW23-072611	Total	Water	8290	

QC Association Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

DIOXIN (Continued)

Analysis Batch: 1258041 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-7	ASH-MW19-072611	Total	Water	8290	
G1I150000041B	Method Blank	Total	Water	8290	
G1I150000041C	Lab Control Sample	Total	Water	8290	

Prep Batch: 1209070_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-1	ASH-MW08-072611	Total	Water	8290	
680-70758-2	ASH-DUP-072611	Total	Water	8290	
680-70758-3	ASH-RSI-072611	Total	Water	8290	
680-70758-4	ASH-MW13-072611	Total	Water	8290	
680-70758-5	ASH-MW17-072611	Total	Water	8290	
680-70758-6	ASH-MW23-072611	Total	Water	8290	
680-70758-7	ASH-MW19-072611	Total	Water	8290	
G1G280000070B	Method Blank	Total	Water	8290	
G1G280000070C	Lab Control Sample	Total	Water	8290	

Prep Batch: 1258041_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-1	ASH-MW08-072611	Total	Water	8290	
680-70758-2	ASH-DUP-072611	Total	Water	8290	
680-70758-3	ASH-RSI-072611	Total	Water	8290	
680-70758-4	ASH-MW13-072611	Total	Water	8290	
680-70758-5	ASH-MW17-072611	Total	Water	8290	
680-70758-6	ASH-MW23-072611	Total	Water	8290	
680-70758-7	ASH-MW19-072611	Total	Water	8290	
G1I150000041B	Method Blank	Total	Water	8290	
G1I150000041C	Lab Control Sample	Total	Water	8290	

Metals

Prep Batch: 210578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-1	ASH-MW08-072611	Total/NA	Water	3010A	
680-70758-1 MS	ASH-MW08-072611	Total/NA	Water	3010A	
680-70758-1 MSD	ASH-MW08-072611	Total/NA	Water	3010A	
680-70758-2	ASH-DUP-072611	Total/NA	Water	3010A	
680-70758-3	ASH-RSI-072611	Total/NA	Water	3010A	
680-70758-4	ASH-MW13-072611	Total/NA	Water	3010A	
680-70758-5	ASH-MW17-072611	Total/NA	Water	3010A	
680-70758-6	ASH-MW23-072611	Total/NA	Water	3010A	
680-70758-7	ASH-MW19-072611	Total/NA	Water	3010A	
LCS 680-210578/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 680-210578/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 210700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-1	ASH-MW08-072611	Total/NA	Water	7470A	
680-70758-2	ASH-DUP-072611	Total/NA	Water	7470A	
680-70758-3	ASH-RSI-072611	Total/NA	Water	7470A	
680-70758-4	ASH-MW13-072611	Total/NA	Water	7470A	
680-70758-5	ASH-MW17-072611	Total/NA	Water	7470A	
680-70758-6	ASH-MW23-072611	Total/NA	Water	7470A	

QC Association Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Metals (Continued)

Prep Batch: 210700 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-7	ASH-MW19-072611	Total/NA	Water	7470A	
LCS 680-210700/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 680-210700/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 210774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-1	ASH-MW08-072611	Total/NA	Water	7470A	210700
680-70758-2	ASH-DUP-072611	Total/NA	Water	7470A	210700
LCS 680-210700/2-A	Lab Control Sample	Total/NA	Water	7470A	210700
MB 680-210700/1-A	Method Blank	Total/NA	Water	7470A	210700

Analysis Batch: 210849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-3	ASH-RSI-072611	Total/NA	Water	7470A	210700
680-70758-4	ASH-MW13-072611	Total/NA	Water	7470A	210700
680-70758-5	ASH-MW17-072611	Total/NA	Water	7470A	210700
680-70758-6	ASH-MW23-072611	Total/NA	Water	7470A	210700
680-70758-7	ASH-MW19-072611	Total/NA	Water	7470A	210700

Analysis Batch: 211230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-1	ASH-MW08-072611	Total/NA	Water	6020	210578
680-70758-1 MS	ASH-MW08-072611	Total/NA	Water	6020	210578
680-70758-1 MSD	ASH-MW08-072611	Total/NA	Water	6020	210578
680-70758-2	ASH-DUP-072611	Total/NA	Water	6020	210578
680-70758-3	ASH-RSI-072611	Total/NA	Water	6020	210578
680-70758-4	ASH-MW13-072611	Total/NA	Water	6020	210578
680-70758-5	ASH-MW17-072611	Total/NA	Water	6020	210578
680-70758-6	ASH-MW23-072611	Total/NA	Water	6020	210578
680-70758-7	ASH-MW19-072611	Total/NA	Water	6020	210578
LCS 680-210578/2-A	Lab Control Sample	Total/NA	Water	6020	210578
MB 680-210578/1-A	Method Blank	Total/NA	Water	6020	210578

General Chemistry

Analysis Batch: 210212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-1	ASH-MW08-072611	Total/NA	Water	9034	
680-70758-2	ASH-DUP-072611	Total/NA	Water	9034	
680-70758-3	ASH-RSI-072611	Total/NA	Water	9034	
680-70758-4	ASH-MW13-072611	Total/NA	Water	9034	
680-70758-5	ASH-MW17-072611	Total/NA	Water	9034	
680-70758-6	ASH-MW23-072611	Total/NA	Water	9034	
680-70758-7	ASH-MW19-072611	Total/NA	Water	9034	
LCS 680-210212/2	Lab Control Sample	Total/NA	Water	9034	
LCSD 680-210212/3	Lab Control Sample Dup	Total/NA	Water	9034	
MB 680-210212/1	Method Blank	Total/NA	Water	9034	

Prep Batch: 210574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-1	ASH-MW08-072611	Total/NA	Water	9012A	
680-70758-2	ASH-DUP-072611	Total/NA	Water	9012A	

QC Association Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

General Chemistry (Continued)

Prep Batch: 210574 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-3	ASH-RSI-072611	Total/NA	Water	9012A	
680-70758-4	ASH-MW13-072611	Total/NA	Water	9012A	
680-70758-5	ASH-MW17-072611	Total/NA	Water	9012A	
680-70758-6	ASH-MW23-072611	Total/NA	Water	9012A	
680-70758-7	ASH-MW19-072611	Total/NA	Water	9012A	
HLCS 680-210574/3-A	Lab Control Sample	Total/NA	Water	9012A	
LCS 680-210574/2-A	Lab Control Sample	Total/NA	Water	9012A	
MB 680-210574/1-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 210679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70758-1	ASH-MW08-072611	Total/NA	Water	9012A	210574
680-70758-2	ASH-DUP-072611	Total/NA	Water	9012A	210574
680-70758-3	ASH-RSI-072611	Total/NA	Water	9012A	210574
680-70758-4	ASH-MW13-072611	Total/NA	Water	9012A	210574
680-70758-5	ASH-MW17-072611	Total/NA	Water	9012A	210574
680-70758-6	ASH-MW23-072611	Total/NA	Water	9012A	210574
680-70758-7	ASH-MW19-072611	Total/NA	Water	9012A	210574
HLCS 680-210574/3-A	Lab Control Sample	Total/NA	Water	9012A	210574
LCS 680-210574/2-A	Lab Control Sample	Total/NA	Water	9012A	210574
MB 680-210574/1-A	Method Blank	Total/NA	Water	9012A	210574

Lab Chronicle

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW08-072611

Lab Sample ID: 680-70758-1

Date Collected: 07/26/11 09:25

Matrix: Water

Date Received: 07/27/11 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	210543	07/30/11 06:36	AJMC	TAL SAV
Total/NA	Prep	3520C			210278	07/28/11 14:42	RBS	TAL SAV
Total/NA	Analysis	8270C		100	211006	08/04/11 13:18	LH	TAL SAV
Total/NA	Prep	8151A			210266	07/28/11 08:04	CTR	TAL SAV
Total/NA	Analysis	8151A		1	210520	07/29/11 18:37	JK	TAL SAV
Total/NA	Prep	3520C			210285	07/28/11 14:42	RBS	TAL SAV
Total/NA	Analysis	8081A_8082		1	211186	08/01/11 20:20	JK	TAL SAV
Total	Prep	8290			1209070_P	07/28/11 09:00	BG	TAL WSC
Total	Analysis	8290		1.05	1209070	07/30/11 10:39	SXY	TAL WSC
Total	Prep	8290			1258041_P	07/28/11 09:00		TAL WSC
Total	Analysis	8290		1.05	1258041	07/30/11 10:39	SHK	TAL WSC
Total/NA	Prep	7470A			210700	08/02/11 09:42	BCB	TAL SAV
Total/NA	Analysis	7470A		1	210774	08/02/11 16:37	CE	TAL SAV
Total/NA	Prep	3010A			210578	08/01/11 08:48	BCB	TAL SAV
Total/NA	Analysis	6020		1	211230	08/06/11 22:18	BB	TAL SAV
Total/NA	Analysis	9034		1	210212	07/27/11 14:10	CN	TAL SAV
Total/NA	Prep	9012A			210574	08/01/11 07:51	DAM	TAL SAV
Total/NA	Analysis	9012A		1	210679	08/02/11 06:47	DAM	TAL SAV

Client Sample ID: ASH-DUP-072611

Lab Sample ID: 680-70758-2

Date Collected: 07/26/11 00:00

Matrix: Water

Date Received: 07/27/11 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	210665	07/30/11 21:03	RB	TAL SAV
Total/NA	Prep	3520C			210278	07/28/11 14:42	RBS	TAL SAV
Total/NA	Analysis	8270C		50	210853	08/03/11 13:21	LH	TAL SAV
Total/NA	Prep	8151A			210266	07/28/11 08:04	CTR	TAL SAV
Total/NA	Analysis	8151A		1	210520	07/29/11 18:53	JK	TAL SAV
Total/NA	Prep	3520C			210285	07/28/11 14:42	RBS	TAL SAV
Total/NA	Analysis	8081A_8082		1	211186	08/01/11 20:39	JK	TAL SAV
Total	Prep	8290			1209070_P	07/28/11 09:00	BG	TAL WSC
Total	Analysis	8290		1.01	1209070	07/30/11 11:24	SXY	TAL WSC
Total	Prep	8290			1258041_P	07/28/11 09:00		TAL WSC
Total	Analysis	8290		1.01	1258041	07/30/11 11:24	SHK	TAL WSC
Total/NA	Prep	7470A			210700	08/02/11 09:42	BCB	TAL SAV
Total/NA	Analysis	7470A		1	210774	08/02/11 16:40	CE	TAL SAV
Total/NA	Prep	3010A			210578	08/01/11 08:48	BCB	TAL SAV
Total/NA	Analysis	6020		1	211230	08/06/11 22:51	BB	TAL SAV
Total/NA	Analysis	9034		1	210212	07/27/11 14:10	CN	TAL SAV
Total/NA	Prep	9012A			210574	08/01/11 07:51	DAM	TAL SAV
Total/NA	Analysis	9012A		1	210679	08/02/11 06:48	DAM	TAL SAV

Lab Chronicle

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-RSI-072611

Lab Sample ID: 680-70758-3

Date Collected: 07/26/11 08:57

Matrix: Water

Date Received: 07/27/11 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210523	07/29/11 19:04	RB	TAL SAV
Total/NA	Prep	3520C			210278	07/28/11 14:42	RBS	TAL SAV
Total/NA	Analysis	8270C		1	210829	08/02/11 18:32	LH	TAL SAV
Total/NA	Prep	8151A			210266	07/28/11 08:04	CTR	TAL SAV
Total/NA	Analysis	8151A		1	210520	07/29/11 19:08	JK	TAL SAV
Total/NA	Prep	3520C			210285	07/28/11 14:42	RBS	TAL SAV
Total/NA	Analysis	8081A_8082		1	211186	08/01/11 20:58	JK	TAL SAV
Total	Prep	8290			1209070_P	07/28/11 09:00	BG	TAL WSC
Total	Analysis	8290		1.03	1209070	07/30/11 12:09	SXY	TAL WSC
Total	Prep	8290			1258041_P	07/28/11 09:00		TAL WSC
Total	Analysis	8290		1.03	1258041	07/30/11 12:09	SHK	TAL WSC
Total/NA	Prep	7470A			210700	08/02/11 09:42	BCB	TAL SAV
Total/NA	Analysis	7470A		1	210849	08/02/11 16:50	CE	TAL SAV
Total/NA	Prep	3010A			210578	08/01/11 08:48	BCB	TAL SAV
Total/NA	Analysis	6020		1	211230	08/06/11 22:58	BB	TAL SAV
Total/NA	Analysis	9034		1	210212	07/27/11 14:10	CN	TAL SAV
Total/NA	Prep	9012A			210574	08/01/11 07:51	DAM	TAL SAV
Total/NA	Analysis	9012A		1	210679	08/02/11 06:49	DAM	TAL SAV

Client Sample ID: ASH-MW13-072611

Lab Sample ID: 680-70758-4

Date Collected: 07/26/11 09:20

Matrix: Water

Date Received: 07/27/11 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	210523	07/29/11 20:03	RB	TAL SAV
Total/NA	Prep	3520C			210278	07/28/11 14:42	RBS	TAL SAV
Total/NA	Analysis	8270C		5	210853	08/03/11 13:50	LH	TAL SAV
Total/NA	Prep	8151A			210266	07/28/11 08:04	CTR	TAL SAV
Total/NA	Analysis	8151A		1	210520	07/29/11 19:24	JK	TAL SAV
Total/NA	Prep	3520C			210285	07/28/11 14:42	RBS	TAL SAV
Total/NA	Analysis	8081A_8082		1	211186	08/01/11 21:17	JK	TAL SAV
Total	Prep	8290			1209070_P	07/28/11 09:00	BG	TAL WSC
Total	Analysis	8290		1	1209070	07/30/11 12:53	SXY	TAL WSC
Total	Prep	8290			1258041_P	07/28/11 09:00		TAL WSC
Total	Analysis	8290		1	1258041	07/30/11 12:53	SHK	TAL WSC
Total/NA	Prep	7470A			210700	08/02/11 09:42	BCB	TAL SAV
Total/NA	Analysis	7470A		1	210849	08/02/11 16:54	CE	TAL SAV
Total/NA	Prep	3010A			210578	08/01/11 08:48	BCB	TAL SAV
Total/NA	Analysis	6020		1	211230	08/06/11 23:05	BB	TAL SAV
Total/NA	Analysis	9034		1	210212	07/27/11 14:10	CN	TAL SAV
Total/NA	Prep	9012A			210574	08/01/11 07:51	DAM	TAL SAV
Total/NA	Analysis	9012A		1	210679	08/02/11 06:50	DAM	TAL SAV

Lab Chronicle

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW17-072611

Lab Sample ID: 680-70758-5

Date Collected: 07/26/11 11:45

Matrix: Water

Date Received: 07/27/11 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		200	210665	07/30/11 20:34	RB	TAL SAV
Total/NA	Prep	3520C			210278	07/28/11 14:42	RBS	TAL SAV
Total/NA	Analysis	8270C		100	210894	08/03/11 16:12	LH	TAL SAV
Total/NA	Prep	8151A			210266	07/28/11 08:04	CTR	TAL SAV
Total/NA	Analysis	8151A		1	210520	07/29/11 19:40	JK	TAL SAV
Total/NA	Prep	3520C			210285	07/28/11 14:42	RBS	TAL SAV
Total/NA	Analysis	8081A_8082		10	211343	08/08/11 12:27	JK	TAL SAV
Total	Prep	8290			1209070_P	07/28/11 09:00	BG	TAL WSC
Total	Analysis	8290		1	1209070	07/30/11 13:38	SXY	TAL WSC
Total	Prep	8290			1258041_P	07/28/11 09:00		TAL WSC
Total	Analysis	8290		1	1258041	07/30/11 13:38	SHK	TAL WSC
Total/NA	Prep	7470A			210700	08/02/11 09:42	BCB	TAL SAV
Total/NA	Analysis	7470A		1	210849	08/02/11 16:57	CE	TAL SAV
Total/NA	Prep	3010A			210578	08/01/11 08:48	BCB	TAL SAV
Total/NA	Analysis	6020		1	211230	08/06/11 23:11	BB	TAL SAV
Total/NA	Analysis	9034		1	210212	07/27/11 14:10	CN	TAL SAV
Total/NA	Prep	9012A			210574	08/01/11 07:51	DAM	TAL SAV
Total/NA	Analysis	9012A		1	210679	08/02/11 06:51	DAM	TAL SAV

Client Sample ID: ASH-MW23-072611

Lab Sample ID: 680-70758-6

Date Collected: 07/26/11 12:51

Matrix: Water

Date Received: 07/27/11 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	210543	07/30/11 07:35	AJMC	TAL SAV
Total/NA	Prep	3520C			210278	07/28/11 14:42	RBS	TAL SAV
Total/NA	Analysis	8270C		10	210894	08/03/11 16:39	LH	TAL SAV
Total/NA	Prep	8151A			210266	07/28/11 08:04	CTR	TAL SAV
Total/NA	Analysis	8151A		1	210520	07/29/11 19:56	JK	TAL SAV
Total/NA	Prep	8151A	DL		210266	07/28/11 08:04	CTR	TAL SAV
Total/NA	Analysis	8151A	DL	4	210709	08/01/11 16:39	WTE	TAL SAV
Total/NA	Prep	3520C			210285	07/28/11 14:42	RBS	TAL SAV
Total/NA	Analysis	8081A_8082		1	211186	08/01/11 21:55	JK	TAL SAV
Total	Prep	8290			1209070_P	07/28/11 09:00	BG	TAL WSC
Total	Analysis	8290		1.01	1209070	07/30/11 14:22	SXY	TAL WSC
Total	Prep	8290			1258041_P	07/28/11 09:00		TAL WSC
Total	Analysis	8290		1.01	1258041	07/30/11 14:22	SHK	TAL WSC
Total/NA	Prep	7470A			210700	08/02/11 09:42	BCB	TAL SAV
Total/NA	Analysis	7470A		1	210849	08/02/11 17:00	CE	TAL SAV
Total/NA	Prep	3010A			210578	08/01/11 08:48	BCB	TAL SAV
Total/NA	Analysis	6020		1	211230	08/06/11 23:18	BB	TAL SAV
Total/NA	Analysis	9034		1	210212	07/27/11 14:10	CN	TAL SAV
Total/NA	Prep	9012A			210574	08/01/11 07:51	DAM	TAL SAV
Total/NA	Analysis	9012A		1	210679	08/02/11 06:51	DAM	TAL SAV

Lab Chronicle

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Client Sample ID: ASH-MW19-072611

Lab Sample ID: 680-70758-7

Date Collected: 07/26/11 14:20

Matrix: Water

Date Received: 07/27/11 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210523	07/29/11 19:34	RB	TAL SAV
Total/NA	Prep	3520C			210278	07/28/11 14:42	RBS	TAL SAV
Total/NA	Analysis	8270C		10	211006	08/04/11 13:47	LH	TAL SAV
Total/NA	Prep	8151A			210266	07/28/11 08:04	CTR	TAL SAV
Total/NA	Analysis	8151A		1	210520	07/29/11 20:12	JK	TAL SAV
Total/NA	Prep	3520C			210285	07/28/11 14:42	RBS	TAL SAV
Total/NA	Analysis	8081A_8082		1	211186	08/01/11 22:14	JK	TAL SAV
Total	Prep	8290			1209070_P	07/28/11 09:00	BG	TAL WSC
Total	Analysis	8290		1	1209070	07/30/11 15:07	SXY	TAL WSC
Total	Prep	8290			1258041_P	07/28/11 09:00		TAL WSC
Total	Analysis	8290		1	1258041	07/30/11 15:07	SHK	TAL WSC
Total/NA	Prep	7470A			210700	08/02/11 09:42	BCB	TAL SAV
Total/NA	Analysis	7470A		1	210849	08/02/11 17:03	CE	TAL SAV
Total/NA	Prep	3010A			210578	08/01/11 08:48	BCB	TAL SAV
Total/NA	Analysis	6020		1	211230	08/06/11 23:38	BB	TAL SAV
Total/NA	Analysis	9034		1	210212	07/27/11 14:10	CN	TAL SAV
Total/NA	Prep	9012A			210574	08/01/11 07:51	DAM	TAL SAV
Total/NA	Analysis	9012A		1	210679	08/02/11 06:54	DAM	TAL SAV

Client Sample ID: Trip Blank

Lab Sample ID: 680-70758-9

Date Collected: 07/26/11 00:00

Matrix: Water

Date Received: 07/27/11 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210523	07/29/11 14:39	RB	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL WSC = TestAmerica West Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE		PROJECT NO.	PROJECT LOCATION (STATE)	MATRIX TYPE	REQUIRED ANALYSIS		PAGE	OF
TAL (LAB) PROJECT MANAGER		P.O. NUMBER	CONTRACT NO.				STANDARD REPORT DELIVERY	
CLIENT (SITE) PM		CLIENT PHONE	CLIENT FAX				DATE DUE	
CLIENT NAME		CLIENT E-MAIL					EXPEDITED REPORT DELIVERY (SURCHARGE)	
CLIENT ADDRESS							DATE DUE	
COMPANY CONTRACTING THIS WORK (if applicable)							NUMBER OF COOLERS SUBMITTED PER SHIPMENT	
SAMPLE IDENTIFICATION		REMARKS		NUMBER OF CONTAINERS SUBMITTED				
DATE	TIME	DATE	TIME					
7-26-11	0925	ASH-MW08-072611		6X	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	47	82608-VOL	47
7-26-11	—	ASH-DUP-072611		6X	AIR	3	1	2
7-26-11	0857	ASH-RS1-07262011		6X	SOLID OR SEMISOLID	3	1	2
7-26-11	0920	ASH-MW13-072611		6X	AQUEOUS (WATER)	3	1	2
7-26-11	1145	ASH-MW17-072611		6X	COMPOSITE (C) OR GRAB (G) INDICATE	3	1	2
7-26-11	1251	ASH-MW23-072611		6X		3	1	2
7-26-11	1420	ASH-MW19-072611		6X		3	1	2
7-26-11	1503	ASH-MW21-072611		6X		3	1	2
7-26-11	NA	Trip Blank		6X		3	1	2
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME		
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME		

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES NO	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
John Maxwell	07/27/11	0420	YES	0	680	26, 2.8, 5.4, 3.8, 5.6, 2.0, 4.2, 5.6
			NO	0	70758	

Custody Seal #s (Coolers) 991113 → 991140 sequentially
 Note Coolers #s
 TAT 8260-680 (1998) C.O.I.

Login Sample Receipt Checklist

Client: Ashland Inc.

Job Number: 680-70758-1

Login Number: 70758

List Source: TestAmerica Savannah

List Number: 1

Creator: Barnett, Eddie T

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	8 coolers rec'd on ice
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	Temp range 2.0 through 5.6 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Samples -2, -5 and -6 had broken Liter Amber containers associated with them.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	Insufficient volume received for MS/MSD.
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Savannah	A2LA	DoD ELAP		0399-01
TestAmerica Savannah	A2LA	ISO/IEC 17025		399.01
TestAmerica Savannah	Alabama	State Program	4	41450
TestAmerica Savannah	Arkansas	Arkansas DOH	6	N/A
TestAmerica Savannah	Arkansas	State Program	6	88-0692
TestAmerica Savannah	California	NELAC	9	3217CA
TestAmerica Savannah	Colorado	State Program	8	N/A
TestAmerica Savannah	Connecticut	State Program	1	PH-0161
TestAmerica Savannah	Delaware	State Program	3	N/A
TestAmerica Savannah	Florida	NELAC	4	E87052
TestAmerica Savannah	Georgia	Georgia EPD	4	N/A
TestAmerica Savannah	Georgia	State Program	4	803
TestAmerica Savannah	Guam	State Program	9	09-005r
TestAmerica Savannah	Hawaii	State Program	9	N/A
TestAmerica Savannah	Illinois	NELAC	5	200022
TestAmerica Savannah	Indiana	State Program	5	N/A
TestAmerica Savannah	Iowa	State Program	7	353
TestAmerica Savannah	Kentucky	Kentucky UST	4	18
TestAmerica Savannah	Kentucky	State Program	4	90084
TestAmerica Savannah	Louisiana	NELAC	6	LA100015
TestAmerica Savannah	Louisiana	NELAC	6	30690
TestAmerica Savannah	Maine	State Program	1	GA00006
TestAmerica Savannah	Maryland	State Program	3	250
TestAmerica Savannah	Massachusetts	State Program	1	M-GA006
TestAmerica Savannah	Michigan	State Program	5	9925
TestAmerica Savannah	Mississippi	State Program	4	N/A
TestAmerica Savannah	Montana	State Program	8	CERT0081
TestAmerica Savannah	Nebraska	State Program	7	TestAmerica-Savannah
TestAmerica Savannah	New Jersey	NELAC	2	GA769
TestAmerica Savannah	New Mexico	State Program	6	N/A
TestAmerica Savannah	New York	NELAC	2	10842
TestAmerica Savannah	North Carolina	North Carolina DENR	4	269
TestAmerica Savannah	North Carolina	North Carolina PHL	4	13701
TestAmerica Savannah	Pennsylvania	NELAC	3	68-00474
TestAmerica Savannah	Puerto Rico	State Program	2	GA00006
TestAmerica Savannah	Rhode Island	State Program	1	LAO00244
TestAmerica Savannah	South Carolina	State Program	4	98001
TestAmerica Savannah	Tennessee	State Program	4	TN02961
TestAmerica Savannah	Texas	NELAC	6	T104704185-08-TX
TestAmerica Savannah	USDA	USDA		SAV 3-04
TestAmerica Savannah	Vermont	State Program	1	87052
TestAmerica Savannah	Virginia	NELAC Secondary AB	3	460161
TestAmerica Savannah	Virginia	State Program	3	302
TestAmerica Savannah	Washington	State Program	10	C1794
TestAmerica Savannah	West Virginia	West Virginia DEP	3	94
TestAmerica Savannah	West Virginia	West Virginia DHHR (DW)	3	9950C
TestAmerica Savannah	Wyoming	State Program	8	8TMS-Q
TestAmerica West Sacramento		USEPA UCMR		CA00044
TestAmerica West Sacramento	A2LA	DoD ELAP		2928-01
TestAmerica West Sacramento	Alaska	Alaska UST	10	UST-055
TestAmerica West Sacramento	Arizona	State Program	9	AZ0708
TestAmerica West Sacramento	Arkansas	State Program	6	88-0691
TestAmerica West Sacramento	California	NELAC	9	1119CA
TestAmerica West Sacramento	Colorado	State Program	8	N/A

Certification Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-1

Project/Site: Hercules Hattiesburg APIX 7/26/11

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica West Sacramento	Connecticut	State Program	1	PH-0691
TestAmerica West Sacramento	Florida	NELAC	4	E87570
TestAmerica West Sacramento	Georgia	State Program	4	960
TestAmerica West Sacramento	Guam	State Program	9	N/A
TestAmerica West Sacramento	Hawaii	State Program	9	N/A
TestAmerica West Sacramento	Illinois	NELAC	5	200060
TestAmerica West Sacramento	Kansas	NELAC	7	E-10375
TestAmerica West Sacramento	Louisiana	NELAC	6	30612
TestAmerica West Sacramento	Michigan	State Program	5	9947
TestAmerica West Sacramento	Nevada	State Program	9	CA44
TestAmerica West Sacramento	New Jersey	NELAC	2	CA005
TestAmerica West Sacramento	New Mexico	State Program	6	N/A
TestAmerica West Sacramento	New York	NELAC	2	11666
TestAmerica West Sacramento	Oregon	NELAC	10	CA200005
TestAmerica West Sacramento	Pennsylvania	NELAC	3	68-01272
TestAmerica West Sacramento	South Carolina	State Program	4	87014
TestAmerica West Sacramento	Texas	NELAC	6	T104704399-08-TX
TestAmerica West Sacramento	US Fish & Wildlife	US Fish & Wildlife		LE148388-0
TestAmerica West Sacramento	USDA	USDA		P330-09-00055
TestAmerica West Sacramento	Utah	NELAC	8	QUAN1
TestAmerica West Sacramento	Virginia	State Program	3	178
TestAmerica West Sacramento	Washington	State Program	10	C581
TestAmerica West Sacramento	West Virginia	West Virginia DEP	3	334
TestAmerica West Sacramento	West Virginia	West Virginia DHHR (DW)	3	9930C
TestAmerica West Sacramento	Wisconsin	State Program	5	998204680
TestAmerica West Sacramento	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-70758-2

Client Project/Site: Hercules Hattiesburg APIX 7/26/11

For:

Ashland Inc.

Ashland Hercules Research Center

500 Hercules Rd Bldg 8139

Wilmington, Delaware 19808

Attn: Timothy Hassett



Authorized for release by:

08/10/2011 06:12:29 PM

Lidya Gulizia

Project Manager II

lidya.gulizia@testamericainc.com

cc: Craig Derouen

Chris Waters

Charlie Jordan

LINKS

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results through

TotalAccess

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www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Case Narrative

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-2

Job ID: 680-70758-2

Laboratory: TestAmerica Savannah

Narrative

Job Narrative
680-70758-2

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

Comments

No additional comments.

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Sample Summary

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-70758-8	ASH-MW21-072611	Water	07/26/11 15:03	07/27/11 09:20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-2

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV

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

Laboratory References:
TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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Definitions/Glossary

Client: Ashland Inc.

Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-2

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

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Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-2

Client Sample ID: ASH-MW21-072611

Lab Sample ID: 680-70758-8

Date Collected: 07/26/11 15:03

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1300		1300		ug/L			07/30/11 07:05	50
Acetonitrile	<2000		2000		ug/L			07/30/11 07:05	50
Acrolein	<1000		1000		ug/L			07/30/11 07:05	50
Acrylonitrile	<1000		1000		ug/L			07/30/11 07:05	50
Benzene	3200		50		ug/L			07/30/11 07:05	50
Dichlorobromomethane	<50		50		ug/L			07/30/11 07:05	50
Bromoform	<50		50		ug/L			07/30/11 07:05	50
Bromomethane	<50		50		ug/L			07/30/11 07:05	50
2-Butanone (MEK)	<500		500		ug/L			07/30/11 07:05	50
Carbon disulfide	<100		100		ug/L			07/30/11 07:05	50
Carbon tetrachloride	<50		50		ug/L			07/30/11 07:05	50
Chlorobenzene	150		50		ug/L			07/30/11 07:05	50
2-Chloro-1,3-butadiene	<50		50		ug/L			07/30/11 07:05	50
Chloroethane	<50		50		ug/L			07/30/11 07:05	50
Chloroform	4300		50		ug/L			07/30/11 07:05	50
Chloromethane	<50		50		ug/L			07/30/11 07:05	50
3-Chloro-1-propene	<50		50		ug/L			07/30/11 07:05	50
Chlorodibromomethane	<50		50		ug/L			07/30/11 07:05	50
1,2-Dibromo-3-Chloropropane	<50		50		ug/L			07/30/11 07:05	50
Ethylene Dibromide	<50		50		ug/L			07/30/11 07:05	50
Dibromomethane	<50		50		ug/L			07/30/11 07:05	50
trans-1,4-Dichloro-2-butene	<100		100		ug/L			07/30/11 07:05	50
Dichlorodifluoromethane	<50		50		ug/L			07/30/11 07:05	50
1,1-Dichloroethane	<50		50		ug/L			07/30/11 07:05	50
1,2-Dichloroethane	<50		50		ug/L			07/30/11 07:05	50
cis-1,2-Dichloroethene	<50		50		ug/L			07/30/11 07:05	50
trans-1,2-Dichloroethene	<50		50		ug/L			07/30/11 07:05	50
1,1-Dichloroethene	<50		50		ug/L			07/30/11 07:05	50
1,2-Dichloropropane	<50		50		ug/L			07/30/11 07:05	50
cis-1,3-Dichloropropene	<50		50		ug/L			07/30/11 07:05	50
trans-1,3-Dichloropropene	<50		50		ug/L			07/30/11 07:05	50
Ethylbenzene	<50		50		ug/L			07/30/11 07:05	50
Ethyl methacrylate	<50		50		ug/L			07/30/11 07:05	50
2-Hexanone	<500		500		ug/L			07/30/11 07:05	50
Iodomethane	<250		250		ug/L			07/30/11 07:05	50
Isobutyl alcohol	<2000		2000		ug/L			07/30/11 07:05	50
Methacrylonitrile	<1000		1000		ug/L			07/30/11 07:05	50
Methylene Chloride	<250		250		ug/L			07/30/11 07:05	50
Methyl methacrylate	<50		50		ug/L			07/30/11 07:05	50
4-Methyl-2-pentanone (MIBK)	<500		500		ug/L			07/30/11 07:05	50
Pentachloroethane	<250		250		ug/L			07/30/11 07:05	50
Propionitrile	<1000		1000		ug/L			07/30/11 07:05	50
Styrene	<50		50		ug/L			07/30/11 07:05	50
1,1,1,2-Tetrachloroethane	<50		50		ug/L			07/30/11 07:05	50
1,1,2,2-Tetrachloroethane	<50		50		ug/L			07/30/11 07:05	50
Tetrachloroethene	<50		50		ug/L			07/30/11 07:05	50
Toluene	2600		50		ug/L			07/30/11 07:05	50
1,1,1-Trichloroethane	<50		50		ug/L			07/30/11 07:05	50
1,1,2-Trichloroethane	<50		50		ug/L			07/30/11 07:05	50
Trichloroethene	<50		50		ug/L			07/30/11 07:05	50

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-2

Client Sample ID: ASH-MW21-072611

Lab Sample ID: 680-70758-8

Date Collected: 07/26/11 15:03

Matrix: Water

Date Received: 07/27/11 09:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<50		50		ug/L			07/30/11 07:05	50
1,2,3-Trichloropropane	<50		50		ug/L			07/30/11 07:05	50
Vinyl acetate	<100		100		ug/L			07/30/11 07:05	50
Vinyl chloride	<50		50		ug/L			07/30/11 07:05	50
Xylenes, Total	<100		100		ug/L			07/30/11 07:05	50

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		70 - 130		07/30/11 07:05	50
Dibromofluoromethane	107		70 - 130		07/30/11 07:05	50
Toluene-d8 (Surr)	100		70 - 130		07/30/11 07:05	50

Surrogate Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-2

Project/Site: Hercules Hattiesburg APIX 7/26/11

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	BFB (70-130)	DBFM (70-130)	TOL (70-130)
680-70758-8	ASH-MW21-072611	92	107	100
LCS 680-210543/4	Lab Control Sample	104	108	101
LCSD 680-210543/5	Lab Control Sample Dup	102	103	101
MB 680-210543/7	Method Blank	93	107	100

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-210543/7

Matrix: Water

Analysis Batch: 210543

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	Result	MB MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/30/11 00:43	1
Acetonitrile	<40		40		ug/L			07/30/11 00:43	1
Acrolein	<20		20		ug/L			07/30/11 00:43	1
Acrylonitrile	<20		20		ug/L			07/30/11 00:43	1
Benzene	<1.0		1.0		ug/L			07/30/11 00:43	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/30/11 00:43	1
Bromoform	<1.0		1.0		ug/L			07/30/11 00:43	1
Bromomethane	<1.0		1.0		ug/L			07/30/11 00:43	1
2-Butanone (MEK)	<10		10		ug/L			07/30/11 00:43	1
Carbon disulfide	<2.0		2.0		ug/L			07/30/11 00:43	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/30/11 00:43	1
Chlorobenzene	<1.0		1.0		ug/L			07/30/11 00:43	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/30/11 00:43	1
Chloroethane	<1.0		1.0		ug/L			07/30/11 00:43	1
Chloroform	<1.0		1.0		ug/L			07/30/11 00:43	1
Chloromethane	<1.0		1.0		ug/L			07/30/11 00:43	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/30/11 00:43	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/30/11 00:43	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/30/11 00:43	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/30/11 00:43	1
Dibromomethane	<1.0		1.0		ug/L			07/30/11 00:43	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/30/11 00:43	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/30/11 00:43	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/30/11 00:43	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/30/11 00:43	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 00:43	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 00:43	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/30/11 00:43	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/30/11 00:43	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 00:43	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 00:43	1
Ethylbenzene	<1.0		1.0		ug/L			07/30/11 00:43	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/30/11 00:43	1
2-Hexanone	<10		10		ug/L			07/30/11 00:43	1
Iodomethane	<5.0		5.0		ug/L			07/30/11 00:43	1
Isobutyl alcohol	<40		40		ug/L			07/30/11 00:43	1
Methacrylonitrile	<20		20		ug/L			07/30/11 00:43	1
Methylene Chloride	<5.0		5.0		ug/L			07/30/11 00:43	1
Methyl methacrylate	<1.0		1.0		ug/L			07/30/11 00:43	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/30/11 00:43	1
Pentachloroethane	<5.0		5.0		ug/L			07/30/11 00:43	1
Propionitrile	<20		20		ug/L			07/30/11 00:43	1
Styrene	<1.0		1.0		ug/L			07/30/11 00:43	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 00:43	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 00:43	1
Tetrachloroethene	<1.0		1.0		ug/L			07/30/11 00:43	1
Toluene	<1.0		1.0		ug/L			07/30/11 00:43	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/30/11 00:43	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/30/11 00:43	1

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210543/7

Matrix: Water

Analysis Batch: 210543

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<1.0		1.0		ug/L			07/30/11 00:43	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/30/11 00:43	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/30/11 00:43	1
Vinyl acetate	<2.0		2.0		ug/L			07/30/11 00:43	1
Vinyl chloride	<1.0		1.0		ug/L			07/30/11 00:43	1
Xylenes, Total	<2.0		2.0		ug/L			07/30/11 00:43	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		07/30/11 00:43	1
Dibromofluoromethane	107		70 - 130		07/30/11 00:43	1
Toluene-d8 (Surr)	100		70 - 130		07/30/11 00:43	1

Lab Sample ID: LCS 680-210543/4

Matrix: Water

Analysis Batch: 210543

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	129		ug/L		129	26 - 180
Benzene	50.0	50.0		ug/L		100	70 - 130
Dichlorobromomethane	50.0	46.3		ug/L		93	70 - 130
Bromoform	50.0	38.1		ug/L		76	70 - 130
Bromomethane	50.0	25.4		ug/L		51	23 - 165
2-Butanone (MEK)	100	111		ug/L		111	49 - 172
Carbon disulfide	50.0	48.0		ug/L		96	54 - 132
Carbon tetrachloride	50.0	41.3		ug/L		83	70 - 130
Chlorobenzene	50.0	52.5		ug/L		105	70 - 130
Chloroethane	50.0	50.0		ug/L		100	56 - 152
Chloroform	50.0	52.0		ug/L		104	70 - 130
Chloromethane	50.0	50.7		ug/L		101	70 - 130
Chlorodibromomethane	50.0	43.3		ug/L		87	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	41.0		ug/L		82	70 - 130
Ethylene Dibromide	50.0	49.6		ug/L		99	70 - 130
Dibromomethane	50.0	51.6		ug/L		103	70 - 130
Dichlorodifluoromethane	50.0	49.9		ug/L		100	44 - 146
1,1-Dichloroethane	50.0	49.8		ug/L		100	70 - 130
1,2-Dichloroethane	50.0	50.7		ug/L		101	70 - 130
cis-1,2-Dichloroethene	50.0	51.7		ug/L		103	70 - 130
trans-1,2-Dichloroethene	50.0	51.5		ug/L		103	70 - 130
1,1-Dichloroethene	50.0	52.0		ug/L		104	66 - 131
1,2-Dichloropropane	50.0	49.4		ug/L		99	70 - 130
cis-1,3-Dichloropropene	50.0	45.8		ug/L		92	70 - 130
trans-1,3-Dichloropropene	50.0	43.9		ug/L		88	70 - 130
Ethylbenzene	50.0	51.1		ug/L		102	70 - 130
2-Hexanone	100	114		ug/L		114	42 - 185
Methylene Chloride	50.0	53.2		ug/L		106	67 - 130
4-Methyl-2-pentanone (MIBK)	100	94.4		ug/L		94	70 - 130
Styrene	50.0	54.3		ug/L		109	70 - 130
1,1,1,2-Tetrachloroethane	50.0	46.0		ug/L		92	70 - 130
1,1,2,2-Tetrachloroethane	50.0	51.3		ug/L		103	70 - 130

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210543/4

Matrix: Water

Analysis Batch: 210543

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Tetrachloroethene	50.0	54.7		ug/L		109	70 - 130	
Toluene	50.0	48.5		ug/L		97	70 - 130	
1,1,1-Trichloroethane	50.0	47.9		ug/L		96	70 - 130	
1,1,2-Trichloroethane	50.0	48.9		ug/L		98	70 - 130	
Trichloroethene	50.0	53.2		ug/L		106	70 - 130	
Trichlorofluoromethane	50.0	52.1		ug/L		104	55 - 156	
1,2,3-Trichloropropane	50.0	53.4		ug/L		107	70 - 130	
Vinyl acetate	100	95.3		ug/L		95	60 - 176	
Vinyl chloride	50.0	50.8		ug/L		102	67 - 134	
Xylenes, Total	150	159		ug/L		106	70 - 130	

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	104		70 - 130
Dibromofluoromethane	108		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: LCSD 680-210543/5

Matrix: Water

Analysis Batch: 210543

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD	Limit
							Limits			
Acetone	100	131		ug/L		131	26 - 180	1	50	
Benzene	50.0	48.4		ug/L		97	70 - 130	3	30	
Dichlorobromomethane	50.0	46.6		ug/L		93	70 - 130	1	30	
Bromoform	50.0	38.7		ug/L		77	70 - 130	2	30	
Bromomethane	50.0	24.5		ug/L		49	23 - 165	4	50	
2-Butanone (MEK)	100	111		ug/L		111	49 - 172	0	30	
Carbon disulfide	50.0	44.8		ug/L		90	54 - 132	7	30	
Carbon tetrachloride	50.0	40.2		ug/L		80	70 - 130	3	30	
Chlorobenzene	50.0	51.2		ug/L		102	70 - 130	3	30	
Chloroethane	50.0	38.6		ug/L		77	56 - 152	26	40	
Chloroform	50.0	49.8		ug/L		100	70 - 130	4	30	
Chloromethane	50.0	48.1		ug/L		96	70 - 130	5	30	
Chlorodibromomethane	50.0	42.6		ug/L		85	70 - 130	2	50	
1,2-Dibromo-3-Chloropropane	50.0	39.3		ug/L		79	70 - 130	4	50	
Ethylene Dibromide	50.0	52.4		ug/L		105	70 - 130	6	30	
Dibromomethane	50.0	52.1		ug/L		104	70 - 130	1	30	
Dichlorodifluoromethane	50.0	46.8		ug/L		94	44 - 146	6	50	
1,1-Dichloroethane	50.0	46.8		ug/L		94	70 - 130	6	30	
1,2-Dichloroethane	50.0	50.8		ug/L		102	70 - 130	0	30	
cis-1,2-Dichloroethene	50.0	49.7		ug/L		99	70 - 130	4	30	
trans-1,2-Dichloroethene	50.0	48.8		ug/L		98	70 - 130	5	30	
1,1-Dichloroethene	50.0	49.4		ug/L		99	66 - 131	5	30	
1,2-Dichloropropane	50.0	48.7		ug/L		97	70 - 130	2	30	
cis-1,3-Dichloropropene	50.0	46.5		ug/L		93	70 - 130	2	30	
trans-1,3-Dichloropropene	50.0	45.5		ug/L		91	70 - 130	4	50	
Ethylbenzene	50.0	48.0		ug/L		96	70 - 130	6	30	
2-Hexanone	100	112		ug/L		112	42 - 185	2	30	
Methylene Chloride	50.0	50.8		ug/L		102	67 - 130	5	30	

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-210543/5

Matrix: Water

Analysis Batch: 210543

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD	RPD Limit
							Limits			
4-Methyl-2-pentanone (MIBK)	100	98.5		ug/L		98	70 - 130		4	30
Styrene	50.0	53.6		ug/L		107	70 - 130		1	30
1,1,1,2-Tetrachloroethane	50.0	44.8		ug/L		90	70 - 130		3	30
1,1,2,2-Tetrachloroethane	50.0	50.9		ug/L		102	70 - 130		1	30
Tetrachloroethene	50.0	51.6		ug/L		103	70 - 130		6	30
Toluene	50.0	49.1		ug/L		98	70 - 130		1	30
1,1,1-Trichloroethane	50.0	46.7		ug/L		93	70 - 130		3	30
1,1,2-Trichloroethane	50.0	51.6		ug/L		103	70 - 130		6	30
Trichloroethene	50.0	50.5		ug/L		101	70 - 130		5	30
Trichlorofluoromethane	50.0	48.3		ug/L		97	55 - 156		8	30
1,2,3-Trichloropropane	50.0	53.3		ug/L		107	70 - 130		0	30
Vinyl acetate	100	94.3		ug/L		94	60 - 176		1	30
Vinyl chloride	50.0	47.8		ug/L		96	67 - 134		6	30
Xylenes, Total	150	153		ug/L		102	70 - 130		4	30

Surrogate	LCSD		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	102		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8 (Surr)	101		70 - 130

QC Association Summary

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-2

GC/MS VOA

Analysis Batch: 210543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-210543/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-210543/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-210543/7	Method Blank	Total/NA	Water	8260B	
680-70758-8	ASH-MW21-072611	Total/NA	Water	8260B	

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Lab Chronicle

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-2

Client Sample ID: ASH-MW21-072611

Lab Sample ID: 680-70758-8

Date Collected: 07/26/11 15:03

Matrix: Water

Date Received: 07/27/11 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	5 mL	5 mL	210543	07/30/11 07:05	AJMC	TAL SAV

Laboratory References:
TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

☐	Alternate Laboratory Name/Location
-----------------------	------------------------------------

Phone: _____
Fax: _____

PROJECT REFERENCE Hercules Matt. Co. bags AP96M	PROJECT NO. 11073	PROJECT LOCATION (STATE) NJ	MATRIX TYPE	REQUIRED ANALYSIS	PAGE 1 OF 1
TOTAL (LAB) PROJECT MANAGER L. D. G. G. 6.1.2.9	P.O. NUMBER	CONTRACT NO.			
CLIENT (SITE) PM Tim Hays H	CLIENT PHONE 302-995-3456	CLIENT FAX 995-3456			
CLIENT NAME Ashland Chemical	CLIENT E-MAIL tdhays@ashland.com				
CLIENT ADDRESS 500 Hercules Road Wilmington, DE 19808	19808 - 1599		POSITIVE (C) OR GRAB (G) INDICATE	82608 - VOC uninspected Area 7476A - 7470 Hg 6020 Metals Area W-01 9012 A - 9012 9034 9034 Hoffe sulfide 80514 Hoffe 8270 C 5VOC 8081 - 8082 857 - PCB 8260 VOC uninspected Area	STANDARD REPORT DELIVERY DATE DUE
COMPANY CONTRACTING THIS WORK (if applicable)			EXPEDITED REPORT DELIVERY (SURCHARGE) DATE DUE	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	8

SAMPLE		SAMPLE IDENTIFICATION		COMP	AQUE	SOLID	AIR	NONAQUE	NUMBER OF CONTAINERS SUBMITTED										REMARKS
DATE	TIME																		
7-26-11	0925	ASH-MW08-072611		6X					3	1	1	2	2	2	2	2	2	S Day TAT Exped.	
7-26-11	—	ASH-Dup-072611		6X					3	1	1	2	2	2	2	2	2		
7-26-11	0857	ASH-RSI-07262011		6X					3	1	1	2	2	2	2	2	2		
7-26-11	0920	ASH-MW13-072611		6X					3	1	1	2	2	2	2	2	2		
7-26-11	1145	ASH-MW17-072611		6X					3	1	1	2	2	2	2	2	2		
7-26-11	1251	ASH-MW23-072611		6X					3	1	1	2	2	2	2	2	2		
7-26-11	1420	ASH-MW19-072611		6X					3	1	1	2	2	2	2	2	2		
7-26-11	1503	ASH-MW21-072611		6X					3	1	1	2	2	2	2	2	2	Standard TAT	
7-26-11	NA	Trip Blank		6X					3	1	1	2	2	2	2	2	2	#06132011 date!	
																		Note! All Vac's +	
																		Trip in one Cooler	
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE		TIME	RELINQUISHED BY: (SIGNATURE)		DATE		TIME	RECEIVED BY: (SIGNATURE)		DATE		TIME	
		7-26-11	1730																
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE		TIME	RECEIVED BY: (SIGNATURE)		DATE		TIME	RECEIVED BY: (SIGNATURE)		DATE		TIME	

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE 07/27/11	TIME 0420	CUSTODY INTACT YES ☐ NO ☐	CUSTODY SEAL NO.	SAVANNAH LOG NO. 680	LABORATORY REMARKS 26, 2.8, 5.4, 3.8, 5.6, 2.0, 4.2, 5.6
LABORATORY USE ONLY						
70758						

Custody Seal #s (Colors) 991113 → 991120 sequentially 8 colors ← NOTE color #s

Login Sample Receipt Checklist

Client: Ashland Inc.

Job Number: 680-70758-2

Login Number: 70758

List Source: TestAmerica Savannah

List Number: 1

Creator: Barnett, Eddie T

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	8 coolers rec'd on ice
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	Temp range 2.0 through 5.6 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Samples -2, -5 and -6 had broken Liter Amber containers associated with them.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	Insufficient volume received for MS/MSD.
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70758-2

Project/Site: Hercules Hattiesburg APIX 7/26/11

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Savannah	A2LA	DoD ELAP		0399-01
TestAmerica Savannah	A2LA	ISO/IEC 17025		399.01
TestAmerica Savannah	Alabama	State Program	4	41450
TestAmerica Savannah	Arkansas	Arkansas DOH	6	N/A
TestAmerica Savannah	Arkansas	State Program	6	88-0692
TestAmerica Savannah	California	NELAC	9	3217CA
TestAmerica Savannah	Colorado	State Program	8	N/A
TestAmerica Savannah	Connecticut	State Program	1	PH-0161
TestAmerica Savannah	Delaware	State Program	3	N/A
TestAmerica Savannah	Florida	NELAC	4	E87052
TestAmerica Savannah	Georgia	Georgia EPD	4	N/A
TestAmerica Savannah	Georgia	State Program	4	803
TestAmerica Savannah	Guam	State Program	9	09-005r
TestAmerica Savannah	Hawaii	State Program	9	N/A
TestAmerica Savannah	Illinois	NELAC	5	200022
TestAmerica Savannah	Indiana	State Program	5	N/A
TestAmerica Savannah	Iowa	State Program	7	353
TestAmerica Savannah	Kansas	NELAC	7	E-10322
TestAmerica Savannah	Kentucky	Kentucky UST	4	18
TestAmerica Savannah	Kentucky	State Program	4	90084
TestAmerica Savannah	Louisiana	NELAC	6	30690
TestAmerica Savannah	Louisiana	NELAC	6	LA100015
TestAmerica Savannah	Maine	State Program	1	GA00006
TestAmerica Savannah	Maryland	State Program	3	250
TestAmerica Savannah	Massachusetts	State Program	1	M-GA006
TestAmerica Savannah	Michigan	State Program	5	9925
TestAmerica Savannah	Mississippi	State Program	4	N/A
TestAmerica Savannah	Montana	State Program	8	CERT0081
TestAmerica Savannah	Nebraska	State Program	7	TestAmerica-Savannah
TestAmerica Savannah	Nevada	State Program	9	GA6
TestAmerica Savannah	New Jersey	NELAC	2	GA769
TestAmerica Savannah	New Mexico	State Program	6	N/A
TestAmerica Savannah	New York	NELAC	2	10842
TestAmerica Savannah	North Carolina	North Carolina DENR	4	269
TestAmerica Savannah	North Carolina	North Carolina PHL	4	13701
TestAmerica Savannah	Oklahoma	State Program	6	9984
TestAmerica Savannah	Pennsylvania	NELAC	3	68-00474
TestAmerica Savannah	Puerto Rico	State Program	2	GA00006
TestAmerica Savannah	Rhode Island	State Program	1	LAO00244
TestAmerica Savannah	South Carolina	State Program	4	98001
TestAmerica Savannah	Tennessee	State Program	4	TN02961
TestAmerica Savannah	Texas	NELAC	6	T104704185-08-TX
TestAmerica Savannah	USDA	USDA		SAV 3-04
TestAmerica Savannah	Vermont	State Program	1	87052
TestAmerica Savannah	Virginia	State Program	3	302
TestAmerica Savannah	Washington	State Program	10	C1794
TestAmerica Savannah	West Virginia	West Virginia DEP	3	94
TestAmerica Savannah	West Virginia	West Virginia DHHR (DW)	3	9950C
TestAmerica Savannah	Wisconsin	State Program	5	999819810
TestAmerica Savannah	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-70818-1

Client Project/Site: Hercules Hattiesburg APIX 7/27/11

For:

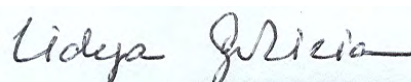
Ashland Inc.

Ashland Hercules Research Center

500 Hercules Rd Bldg 8139

Wilmington, Delaware 19808

Attn: Timothy Hassett



Authorized for release by:

08/25/2011 02:07:34 PM

Lidya Gulizia

Project Manager II

lidya.gulizia@testamericainc.com

cc: Craig Derouen

Chris Waters

Charlie Jordan

LINKS

Review your project
results through

TotalAccess

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Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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Case Narrative

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Job ID: 680-70818-1

Laboratory: TestAmerica Savannah

Narrative

Job Narrative 680-70818-1

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 4 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 210665 had 3 analytes outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 4 analytes to recover outside criteria for this method when a full list spike is utilized. The LCSD associated with batch 210908 had 2 analytes outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 210908 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 210908 was outside control limits. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision met acceptance criteria.

Method(s) 8260B: The following compound was outside control limits in the continuing calibration verification (CCV) associated with batch 210624: iodomethane. This compound is not classified as a Calibration Check Compound (CCC) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. There is insufficient holding time remaining for re-analysis; therefore, the data have been reported. The associated samples were non-detect for the affected analyte.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The laboratory control sample (LCS) for batch 210688 exceeded control limits for the following analyte(s): Famphur. Famphur has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method(s) 8270C: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 2 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 210688 had 3 analytes outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for batch 210688 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8151A: This method incorporates the use of second column confirmation. Corrective action for unacceptable percent recovery is not taken for surrogate or spike compounds unless the results from both columns are outside criteria. Any results which fall outside criteria are qualified and reported.

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

Case Narrative

Client: Ashland Inc.

Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Job ID: 680-70818-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

General Chemistry

Method(s) 335.4, 9012A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 210679 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Subcontract Work

Method 8290 - AP9 PCDD/PCDF: This method was subcontracted to TestAmerica West Sacramento.

Comments

No additional comments.

Sample Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-70818-1	ASH-MW24-072711	Water	07/27/11 08:20	07/28/11 14:09
680-70818-2	ASH-MW22-072711	Water	07/27/11 08:55	07/28/11 14:09
680-70818-3	ASH-MW18-072711	Water	07/27/11 09:23	07/28/11 14:09
680-70818-4	ASH-MW20-072711	Water	07/27/11 10:00	07/28/11 14:09
680-70818-5	ASH-MW12-072711	Water	07/27/11 10:14	07/28/11 14:09
680-70818-6	ASH-MW02-072711	Water	07/27/11 12:10	07/28/11 14:09
680-70818-7	ASH-MW04-072711	Water	07/27/11 12:55	07/28/11 14:09
680-70818-8	ASH-MW11-072711	Water	07/27/11 14:55	07/28/11 14:09
680-70818-9	ASH-MW10-072711	Water	07/27/11 14:40	07/28/11 14:09
680-70818-10	ASH-MW03-072711	Water	07/27/11 13:40	07/28/11 14:09
680-70818-11	ASH-DUP-072711	Water	07/27/11 00:00	07/28/11 14:09
680-70818-12	Trip Blank 063011	Water	07/27/11 00:00	07/28/11 14:09

Method Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081A_8082	Organochlorine Pesticides & PCBs (GC)	SW846	TAL SAV
8151A	Herbicides (GC)	SW846	TAL SAV
8290	Dioxins/Furans, HRGC/HRMS (8290)	SW846	TAL WSC
6020	Metals (ICP/MS)	SW846	TAL SAV
7470A	Mercury (CVAA)	SW846	TAL SAV
9012A	Cyanide, Total and/or Amenable	SW846	TAL SAV
9034	Sulfide, Acid Soluble and Insoluble (Titrimetric)	SW846	TAL SAV

Protocol References:

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

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL WSC = TestAmerica West Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Definitions/Glossary

Client: Ashland Inc.

Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
E	Result exceeded calibration range.

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
F	RPD of the MS and MSD exceeds the control limits
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Client Sample ID: ASH-MW24-072711

Lab Sample ID: 680-70818-1

No Detections

Client Sample ID: ASH-MW22-072711

Lab Sample ID: 680-70818-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	10		1.0		ug/L	1		8260B	Total/NA
Chlorobenzene	8.7		1.0		ug/L	1		8260B	Total/NA
4-Methyl-2-pentanone (MIBK)	21		10		ug/L	1		8260B	Total/NA
Toluene	1.1		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: ASH-MW18-072711

Lab Sample ID: 680-70818-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	21		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: ASH-MW20-072711

Lab Sample ID: 680-70818-4

No Detections

Client Sample ID: ASH-MW12-072711

Lab Sample ID: 680-70818-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	120		5.0		ug/L	1		6020	Total/NA
Cobalt	3.4		0.50		ug/L	1		6020	Total/NA
Nickel	9.7		5.0		ug/L	1		6020	Total/NA
Zinc	34		20		ug/L	1		6020	Total/NA

Client Sample ID: ASH-MW02-072711

Lab Sample ID: 680-70818-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.9		2.5		ug/L	1		6020	Total/NA
Barium	76		5.0		ug/L	1		6020	Total/NA
Cobalt	4.2		0.50		ug/L	1		6020	Total/NA

Client Sample ID: ASH-MW04-072711

Lab Sample ID: 680-70818-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	23		10		ug/L	1		8270C	Total/NA
o,o',o"-Triethylphosphorothioate	22		10		ug/L	1		8270C	Total/NA
Barium	110		5.0		ug/L	1		6020	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sulfide	1.1		1.0		mg/L	1		9034	Total/NA

Client Sample ID: ASH-MW11-072711

Lab Sample ID: 680-70818-8

No Detections

Client Sample ID: ASH-MW10-072711

Lab Sample ID: 680-70818-9

No Detections

Client Sample ID: ASH-MW03-072711

Lab Sample ID: 680-70818-10

No Detections

Detection Summary

Client: Ashland Inc.

Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-DUP-072711

Lab Sample ID: 680-70818-11

No Detections

Client Sample ID: Trip Blank 063011

Lab Sample ID: 680-70818-12

No Detections

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Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW24-072711

Lab Sample ID: 680-70818-1

Date Collected: 07/27/11 08:20

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/30/11 15:23	1
Acetonitrile	<40		40		ug/L			07/30/11 15:23	1
Acrolein	<20		20		ug/L			07/30/11 15:23	1
Acrylonitrile	<20		20		ug/L			07/30/11 15:23	1
Benzene	<1.0		1.0		ug/L			07/30/11 15:23	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/30/11 15:23	1
Bromoform	<1.0		1.0		ug/L			07/30/11 15:23	1
Bromomethane	<1.0		1.0		ug/L			07/30/11 15:23	1
2-Butanone (MEK)	<10		10		ug/L			07/30/11 15:23	1
Carbon disulfide	<2.0		2.0		ug/L			07/30/11 15:23	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/30/11 15:23	1
Chlorobenzene	<1.0		1.0		ug/L			07/30/11 15:23	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/30/11 15:23	1
Chloroethane	<1.0		1.0		ug/L			07/30/11 15:23	1
Chloroform	<1.0		1.0		ug/L			07/30/11 15:23	1
Chloromethane	<1.0		1.0		ug/L			07/30/11 15:23	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/30/11 15:23	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/30/11 15:23	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/30/11 15:23	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/30/11 15:23	1
Dibromomethane	<1.0		1.0		ug/L			07/30/11 15:23	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/30/11 15:23	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/30/11 15:23	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/30/11 15:23	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/30/11 15:23	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 15:23	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 15:23	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/30/11 15:23	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/30/11 15:23	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 15:23	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 15:23	1
Ethylbenzene	<1.0		1.0		ug/L			07/30/11 15:23	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/30/11 15:23	1
2-Hexanone	<10		10		ug/L			07/30/11 15:23	1
Iodomethane	<5.0		5.0		ug/L			07/30/11 15:23	1
Isobutyl alcohol	<40		40		ug/L			07/30/11 15:23	1
Methacrylonitrile	<20		20		ug/L			07/30/11 15:23	1
Methylene Chloride	<5.0		5.0		ug/L			07/30/11 15:23	1
Methyl methacrylate	<1.0		1.0		ug/L			07/30/11 15:23	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/30/11 15:23	1
Pentachloroethane	<5.0		5.0		ug/L			07/30/11 15:23	1
Propionitrile	<20		20		ug/L			07/30/11 15:23	1
Styrene	<1.0		1.0		ug/L			07/30/11 15:23	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 15:23	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 15:23	1
Tetrachloroethene	<1.0		1.0		ug/L			07/30/11 15:23	1
Toluene	<1.0		1.0		ug/L			07/30/11 15:23	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/30/11 15:23	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/30/11 15:23	1
Trichloroethene	<1.0		1.0		ug/L			07/30/11 15:23	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Client Sample ID: ASH-MW24-072711

Lab Sample ID: 680-70818-1

Date Collected: 07/27/11 08:20

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/30/11 15:23	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/30/11 15:23	1
Vinyl acetate	<2.0		2.0		ug/L			07/30/11 15:23	1
Vinyl chloride	<1.0		1.0		ug/L			07/30/11 15:23	1
Xylenes, Total	<2.0		2.0		ug/L			07/30/11 15:23	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		70 - 130		07/30/11 15:23	1
Dibromofluoromethane	106		70 - 130		07/30/11 15:23	1
Toluene-d8 (Surr)	101		70 - 130		07/30/11 15:23	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW22-072711

Lab Sample ID: 680-70818-2

Date Collected: 07/27/11 08:55

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/30/11 16:37	1
Acetonitrile	<40		40		ug/L			07/30/11 16:37	1
Acrolein	<20		20		ug/L			07/30/11 16:37	1
Acrylonitrile	<20		20		ug/L			07/30/11 16:37	1
Benzene	10		1.0		ug/L			07/30/11 16:37	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/30/11 16:37	1
Bromoform	<1.0	*	1.0		ug/L			07/30/11 16:37	1
Bromomethane	<1.0		1.0		ug/L			07/30/11 16:37	1
2-Butanone (MEK)	<10		10		ug/L			07/30/11 16:37	1
Carbon disulfide	<2.0		2.0		ug/L			07/30/11 16:37	1
Carbon tetrachloride	<1.0	*	1.0		ug/L			07/30/11 16:37	1
Chlorobenzene	8.7		1.0		ug/L			07/30/11 16:37	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/30/11 16:37	1
Chloroethane	<1.0		1.0		ug/L			07/30/11 16:37	1
Chloroform	<1.0		1.0		ug/L			07/30/11 16:37	1
Chloromethane	<1.0		1.0		ug/L			07/30/11 16:37	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/30/11 16:37	1
Chlorodibromomethane	<1.0	*	1.0		ug/L			07/30/11 16:37	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/30/11 16:37	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/30/11 16:37	1
Dibromomethane	<1.0		1.0		ug/L			07/30/11 16:37	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/30/11 16:37	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/30/11 16:37	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/30/11 16:37	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/30/11 16:37	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 16:37	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 16:37	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/30/11 16:37	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/30/11 16:37	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 16:37	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 16:37	1
Ethylbenzene	<1.0		1.0		ug/L			07/30/11 16:37	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/30/11 16:37	1
2-Hexanone	<10		10		ug/L			07/30/11 16:37	1
Iodomethane	<5.0		5.0		ug/L			07/30/11 16:37	1
Isobutyl alcohol	<40		40		ug/L			07/30/11 16:37	1
Methacrylonitrile	<20		20		ug/L			07/30/11 16:37	1
Methylene Chloride	<5.0		5.0		ug/L			07/30/11 16:37	1
Methyl methacrylate	<1.0		1.0		ug/L			07/30/11 16:37	1
4-Methyl-2-pentanone (MIBK)	21		10		ug/L			07/30/11 16:37	1
Pentachloroethane	<5.0		5.0		ug/L			07/30/11 16:37	1
Propionitrile	<20		20		ug/L			07/30/11 16:37	1
Styrene	<1.0		1.0		ug/L			07/30/11 16:37	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 16:37	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 16:37	1
Tetrachloroethene	<1.0		1.0		ug/L			07/30/11 16:37	1
Toluene	1.1		1.0		ug/L			07/30/11 16:37	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/30/11 16:37	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/30/11 16:37	1
Trichloroethene	<1.0		1.0		ug/L			07/30/11 16:37	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW22-072711

Lab Sample ID: 680-70818-2

Date Collected: 07/27/11 08:55

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/30/11 16:37	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/30/11 16:37	1
Vinyl acetate	<2.0		2.0		ug/L			07/30/11 16:37	1
Vinyl chloride	<1.0		1.0		ug/L			07/30/11 16:37	1
Xylenes, Total	<2.0		2.0		ug/L			07/30/11 16:37	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		70 - 130		07/30/11 16:37	1
Dibromofluoromethane	105		70 - 130		07/30/11 16:37	1
Toluene-d8 (Surr)	102		70 - 130		07/30/11 16:37	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW18-072711

Lab Sample ID: 680-70818-3

Date Collected: 07/27/11 09:23

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/30/11 15:53	1
Acetonitrile	<40		40		ug/L			07/30/11 15:53	1
Acrolein	<20		20		ug/L			07/30/11 15:53	1
Acrylonitrile	<20		20		ug/L			07/30/11 15:53	1
Benzene	<1.0		1.0		ug/L			07/30/11 15:53	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/30/11 15:53	1
Bromoform	<1.0		1.0		ug/L			07/30/11 15:53	1
Bromomethane	<1.0		1.0		ug/L			07/30/11 15:53	1
2-Butanone (MEK)	<10		10		ug/L			07/30/11 15:53	1
Carbon disulfide	<2.0		2.0		ug/L			07/30/11 15:53	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/30/11 15:53	1
Chlorobenzene	21		1.0		ug/L			07/30/11 15:53	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/30/11 15:53	1
Chloroethane	<1.0		1.0		ug/L			07/30/11 15:53	1
Chloroform	<1.0		1.0		ug/L			07/30/11 15:53	1
Chloromethane	<1.0		1.0		ug/L			07/30/11 15:53	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/30/11 15:53	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/30/11 15:53	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/30/11 15:53	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/30/11 15:53	1
Dibromomethane	<1.0		1.0		ug/L			07/30/11 15:53	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/30/11 15:53	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/30/11 15:53	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/30/11 15:53	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/30/11 15:53	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 15:53	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 15:53	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/30/11 15:53	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/30/11 15:53	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 15:53	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 15:53	1
Ethylbenzene	<1.0		1.0		ug/L			07/30/11 15:53	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/30/11 15:53	1
2-Hexanone	<10		10		ug/L			07/30/11 15:53	1
Iodomethane	<5.0		5.0		ug/L			07/30/11 15:53	1
Isobutyl alcohol	<40		40		ug/L			07/30/11 15:53	1
Methacrylonitrile	<20		20		ug/L			07/30/11 15:53	1
Methylene Chloride	<5.0		5.0		ug/L			07/30/11 15:53	1
Methyl methacrylate	<1.0		1.0		ug/L			07/30/11 15:53	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/30/11 15:53	1
Pentachloroethane	<5.0		5.0		ug/L			07/30/11 15:53	1
Propionitrile	<20		20		ug/L			07/30/11 15:53	1
Styrene	<1.0		1.0		ug/L			07/30/11 15:53	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 15:53	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 15:53	1
Tetrachloroethene	<1.0		1.0		ug/L			07/30/11 15:53	1
Toluene	<1.0		1.0		ug/L			07/30/11 15:53	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/30/11 15:53	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/30/11 15:53	1
Trichloroethene	<1.0		1.0		ug/L			07/30/11 15:53	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW18-072711

Lab Sample ID: 680-70818-3

Date Collected: 07/27/11 09:23

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/30/11 15:53	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/30/11 15:53	1
Vinyl acetate	<2.0		2.0		ug/L			07/30/11 15:53	1
Vinyl chloride	<1.0		1.0		ug/L			07/30/11 15:53	1
Xylenes, Total	<2.0		2.0		ug/L			07/30/11 15:53	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		70 - 130		07/30/11 15:53	1
Dibromofluoromethane	106		70 - 130		07/30/11 15:53	1
Toluene-d8 (Surr)	100		70 - 130		07/30/11 15:53	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW20-072711

Lab Sample ID: 680-70818-4

Date Collected: 07/27/11 10:00

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/30/11 20:48	1
Acetonitrile	<40		40		ug/L			07/30/11 20:48	1
Acrolein	<20		20		ug/L			07/30/11 20:48	1
Acrylonitrile	<20		20		ug/L			07/30/11 20:48	1
Benzene	<1.0		1.0		ug/L			07/30/11 20:48	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/30/11 20:48	1
Bromoform	<1.0		1.0		ug/L			07/30/11 20:48	1
Bromomethane	<1.0		1.0		ug/L			07/30/11 20:48	1
2-Butanone (MEK)	<10		10		ug/L			07/30/11 20:48	1
Carbon disulfide	<2.0		2.0		ug/L			07/30/11 20:48	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/30/11 20:48	1
Chlorobenzene	<1.0		1.0		ug/L			07/30/11 20:48	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/30/11 20:48	1
Chloroethane	<1.0		1.0		ug/L			07/30/11 20:48	1
Chloroform	<1.0		1.0		ug/L			07/30/11 20:48	1
Chloromethane	<1.0		1.0		ug/L			07/30/11 20:48	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/30/11 20:48	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/30/11 20:48	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/30/11 20:48	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/30/11 20:48	1
Dibromomethane	<1.0		1.0		ug/L			07/30/11 20:48	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/30/11 20:48	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/30/11 20:48	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/30/11 20:48	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/30/11 20:48	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 20:48	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 20:48	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/30/11 20:48	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/30/11 20:48	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 20:48	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 20:48	1
Ethylbenzene	<1.0		1.0		ug/L			07/30/11 20:48	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/30/11 20:48	1
2-Hexanone	<10		10		ug/L			07/30/11 20:48	1
Iodomethane	<5.0		5.0		ug/L			07/30/11 20:48	1
Isobutyl alcohol	<40		40		ug/L			07/30/11 20:48	1
Methacrylonitrile	<20		20		ug/L			07/30/11 20:48	1
Methylene Chloride	<5.0		5.0		ug/L			07/30/11 20:48	1
Methyl methacrylate	<1.0		1.0		ug/L			07/30/11 20:48	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/30/11 20:48	1
Pentachloroethane	<5.0		5.0		ug/L			07/30/11 20:48	1
Propionitrile	<20		20		ug/L			07/30/11 20:48	1
Styrene	<1.0		1.0		ug/L			07/30/11 20:48	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 20:48	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 20:48	1
Tetrachloroethene	<1.0		1.0		ug/L			07/30/11 20:48	1
Toluene	<1.0		1.0		ug/L			07/30/11 20:48	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/30/11 20:48	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/30/11 20:48	1
Trichloroethene	<1.0		1.0		ug/L			07/30/11 20:48	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW20-072711

Lab Sample ID: 680-70818-4

Date Collected: 07/27/11 10:00

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/30/11 20:48	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/30/11 20:48	1
Vinyl acetate	<2.0		2.0		ug/L			07/30/11 20:48	1
Vinyl chloride	<1.0		1.0		ug/L			07/30/11 20:48	1
Xylenes, Total	<2.0		2.0		ug/L			07/30/11 20:48	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		70 - 130		07/30/11 20:48	1
Dibromofluoromethane	105		70 - 130		07/30/11 20:48	1
Toluene-d8 (Surr)	102		70 - 130		07/30/11 20:48	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Client Sample ID: ASH-MW12-072711

Lab Sample ID: 680-70818-5

Date Collected: 07/27/11 10:14

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/30/11 16:23	1
Acetonitrile	<40		40		ug/L			07/30/11 16:23	1
Acrolein	<20		20		ug/L			07/30/11 16:23	1
Acrylonitrile	<20		20		ug/L			07/30/11 16:23	1
Benzene	<1.0		1.0		ug/L			07/30/11 16:23	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/30/11 16:23	1
Bromoform	<1.0		1.0		ug/L			07/30/11 16:23	1
Bromomethane	<1.0		1.0		ug/L			07/30/11 16:23	1
2-Butanone (MEK)	<10		10		ug/L			07/30/11 16:23	1
Carbon disulfide	<2.0		2.0		ug/L			07/30/11 16:23	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/30/11 16:23	1
Chlorobenzene	<1.0		1.0		ug/L			07/30/11 16:23	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/30/11 16:23	1
Chloroethane	<1.0		1.0		ug/L			07/30/11 16:23	1
Chloroform	<1.0		1.0		ug/L			07/30/11 16:23	1
Chloromethane	<1.0		1.0		ug/L			07/30/11 16:23	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/30/11 16:23	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/30/11 16:23	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/30/11 16:23	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/30/11 16:23	1
Dibromomethane	<1.0		1.0		ug/L			07/30/11 16:23	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/30/11 16:23	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/30/11 16:23	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/30/11 16:23	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/30/11 16:23	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 16:23	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 16:23	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/30/11 16:23	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/30/11 16:23	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 16:23	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 16:23	1
Ethylbenzene	<1.0		1.0		ug/L			07/30/11 16:23	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/30/11 16:23	1
2-Hexanone	<10		10		ug/L			07/30/11 16:23	1
Iodomethane	<5.0		5.0		ug/L			07/30/11 16:23	1
Isobutyl alcohol	<40		40		ug/L			07/30/11 16:23	1
Methacrylonitrile	<20		20		ug/L			07/30/11 16:23	1
Methylene Chloride	<5.0		5.0		ug/L			07/30/11 16:23	1
Methyl methacrylate	<1.0		1.0		ug/L			07/30/11 16:23	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/30/11 16:23	1
Pentachloroethane	<5.0		5.0		ug/L			07/30/11 16:23	1
Propionitrile	<20		20		ug/L			07/30/11 16:23	1
Styrene	<1.0		1.0		ug/L			07/30/11 16:23	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 16:23	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 16:23	1
Tetrachloroethene	<1.0		1.0		ug/L			07/30/11 16:23	1
Toluene	<1.0		1.0		ug/L			07/30/11 16:23	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/30/11 16:23	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/30/11 16:23	1
Trichloroethene	<1.0		1.0		ug/L			07/30/11 16:23	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW12-072711

Lab Sample ID: 680-70818-5

Date Collected: 07/27/11 10:14

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/30/11 16:23	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/30/11 16:23	1
Vinyl acetate	<2.0		2.0		ug/L			07/30/11 16:23	1
Vinyl chloride	<1.0		1.0		ug/L			07/30/11 16:23	1
Xylenes, Total	<2.0		2.0		ug/L			07/30/11 16:23	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		70 - 130		07/30/11 16:23	1
Dibromofluoromethane	107		70 - 130		07/30/11 16:23	1
Toluene-d8 (Surr)	99		70 - 130		07/30/11 16:23	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Acenaphthylene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Acetophenone	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
2-Acetylaminofluorene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
alpha,alpha-Dimethyl phenethylamine	<2500		2500		ug/L		08/02/11 15:02	08/05/11 17:00	1
4-Aminobiphenyl	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Aniline	<25		25		ug/L		08/02/11 15:02	08/05/11 17:00	1
Anthracene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Aramite, Total	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Benzo[a]anthracene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Benzo[a]pyrene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Benzo[b]fluoranthene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Benzo[g,h,i]perylene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Benzo[k]fluoranthene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Benzyl alcohol	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
1,1'-Biphenyl	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Bis(2-chloroethoxy)methane	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Bis(2-chloroethyl)ether	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
bis(chloroisopropyl) ether	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Bis(2-ethylhexyl) phthalate	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
4-Bromophenyl phenyl ether	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Butyl benzyl phthalate	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
4-Chloroaniline	<25		25		ug/L		08/02/11 15:02	08/05/11 17:00	1
4-Chloro-3-methylphenol	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
2-Chloronaphthalene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
2-Chlorophenol	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
4-Chlorophenyl phenyl ether	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Chrysene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Diallate	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Dibenz(a,h)anthracene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Dibenzofuran	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
1,2-Dichlorobenzene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
1,3-Dichlorobenzene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
1,4-Dichlorobenzene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
3,3'-Dichlorobenzidine	<75		75		ug/L		08/02/11 15:02	08/05/11 17:00	1
2,4-Dichlorophenol	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
2,6-Dichlorophenol	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW12-072711

Lab Sample ID: 680-70818-5

Date Collected: 07/27/11 10:14

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Dimethoate	<12	*	12		ug/L		08/02/11 15:02	08/05/11 17:00	1
7,12-Dimethylbenz(a)anthracene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
3,3'-Dimethylbenzidine	<25		25		ug/L		08/02/11 15:02	08/05/11 17:00	1
2,4-Dimethylphenol	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Dimethyl phthalate	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Di-n-butyl phthalate	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
1,3-Dinitrobenzene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
4,6-Dinitro-2-methylphenol	<62		62		ug/L		08/02/11 15:02	08/05/11 17:00	1
2,4-Dinitrophenol	<62		62		ug/L		08/02/11 15:02	08/05/11 17:00	1
2,4-Dinitrotoluene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
2,6-Dinitrotoluene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Di-n-octyl phthalate	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Dinoseb	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
1,4-Dioxane	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Disulfoton	<12	*	12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Ethyl methanesulfonate	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Ethyl Parathion	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Famphur	<12	*	12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Fluoranthene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Fluorene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Hexachlorobenzene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Hexachlorobutadiene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Hexachlorocyclopentadiene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Hexachloroethane	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Hexachlorophene	<6200		6200		ug/L		08/02/11 15:02	08/05/11 17:00	1
Hexachloropropene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Indeno[1,2,3-cd]pyrene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Isophorone	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Isosafrole	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Methapyrilene	<2500		2500		ug/L		08/02/11 15:02	08/05/11 17:00	1
3-Methylcholanthrene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Methyl methanesulfonate	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
2-Methylnaphthalene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Methyl parathion	<12	*	12		ug/L		08/02/11 15:02	08/05/11 17:00	1
2-Methylphenol	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
3 & 4 Methylphenol	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Naphthalene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
1,4-Naphthoquinone	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
1-Naphthylamine	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
2-Naphthylamine	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
2-Nitroaniline	<62		62		ug/L		08/02/11 15:02	08/05/11 17:00	1
3-Nitroaniline	<62		62		ug/L		08/02/11 15:02	08/05/11 17:00	1
4-Nitroaniline	<62		62		ug/L		08/02/11 15:02	08/05/11 17:00	1
Nitrobenzene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
2-Nitrophenol	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
4-Nitrophenol	<62		62		ug/L		08/02/11 15:02	08/05/11 17:00	1
4-Nitroquinoline-1-oxide	<25		25		ug/L		08/02/11 15:02	08/05/11 17:00	1
N-Nitro-o-toluidine	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
N-Nitrosodiethylamine	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW12-072711

Lab Sample ID: 680-70818-5

Date Collected: 07/27/11 10:14

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
N-Nitrosodi-n-butylamine	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
N-Nitrosodi-n-propylamine	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
N-Nitrosodiphenylamine	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
N-Nitrosomethylethylamine	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
N-Nitrosomorpholine	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
N-Nitrosopiperidine	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
N-Nitrosopyrrolidine	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
o,o',o"-Triethylphosphorothioate	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
p-Dimethylamino azobenzene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Pentachlorobenzene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Pentachloronitrobenzene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Pentachlorophenol	<62		62		ug/L		08/02/11 15:02	08/05/11 17:00	1
Phenacetin	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Phenanthrene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Phenol	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Phorate	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
2-Picoline	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
p-Phenylene diamine	<2500		2500		ug/L		08/02/11 15:02	08/05/11 17:00	1
Pronamide	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Pyrene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Pyridine	<62		62		ug/L		08/02/11 15:02	08/05/11 17:00	1
Safrole, Total	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Sulfotepp	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
1,2,4,5-Tetrachlorobenzene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
2,3,4,6-Tetrachlorophenol	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
Thionazin	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
2-Toluidine	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
1,2,4-Trichlorobenzene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
2,4,5-Trichlorophenol	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
2,4,6-Trichlorophenol	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1
1,3,5-Trinitrobenzene	<12		12		ug/L		08/02/11 15:02	08/05/11 17:00	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		38 - 130	08/02/11 15:02	08/05/11 17:00	1
2-Fluorophenol	57		25 - 130	08/02/11 15:02	08/05/11 17:00	1
Nitrobenzene-d5	71		39 - 130	08/02/11 15:02	08/05/11 17:00	1
Phenol-d5	46		25 - 130	08/02/11 15:02	08/05/11 17:00	1
Terphenyl-d14	90		10 - 143	08/02/11 15:02	08/05/11 17:00	1
2,4,6-Tribromophenol	91		31 - 141	08/02/11 15:02	08/05/11 17:00	1

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 06:07	1
alpha-BHC	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 06:07	1
beta-BHC	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 06:07	1
Chlordane (technical)	<0.50		0.50		ug/L		07/29/11 14:35	08/08/11 06:07	1
Chlorobenzilate	<0.50		0.50		ug/L		07/29/11 14:35	08/08/11 06:07	1
4,4'-DDD	<0.099		0.099		ug/L		07/29/11 14:35	08/08/11 06:07	1
4,4'-DDE	<0.099		0.099		ug/L		07/29/11 14:35	08/08/11 06:07	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Client Sample ID: ASH-MW12-072711

Lab Sample ID: 680-70818-5

Date Collected: 07/27/11 10:14

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	<0.099		0.099		ug/L		07/29/11 14:35	08/08/11 06:07	1
delta-BHC	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 06:07	1
Dieldrin	<0.099		0.099		ug/L		07/29/11 14:35	08/08/11 06:07	1
Endosulfan I	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 06:07	1
Endosulfan II	<0.099		0.099		ug/L		07/29/11 14:35	08/08/11 06:07	1
Endosulfan sulfate	<0.099		0.099		ug/L		07/29/11 14:35	08/08/11 06:07	1
Endrin	<0.099		0.099		ug/L		07/29/11 14:35	08/08/11 06:07	1
Endrin aldehyde	<0.099		0.099		ug/L		07/29/11 14:35	08/08/11 06:07	1
Endrin ketone	<0.099		0.099		ug/L		07/29/11 14:35	08/08/11 06:07	1
gamma-BHC (Lindane)	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 06:07	1
Heptachlor	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 06:07	1
Heptachlor epoxide	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 06:07	1
Isodrin	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 06:07	1
Kepone	<0.99 *		0.99		ug/L		07/29/11 14:35	08/08/11 06:07	1
Methoxychlor	<0.099		0.099		ug/L		07/29/11 14:35	08/08/11 06:07	1
Toxaphene	<5.0		5.0		ug/L		07/29/11 14:35	08/08/11 06:07	1
PCB-1016	<0.99		0.99		ug/L		07/29/11 14:35	08/08/11 06:07	1
PCB-1221	<2.0		2.0		ug/L		07/29/11 14:35	08/08/11 06:07	1
PCB-1232	<0.99		0.99		ug/L		07/29/11 14:35	08/08/11 06:07	1
PCB-1242	<0.99		0.99		ug/L		07/29/11 14:35	08/08/11 06:07	1
PCB-1248	<0.99		0.99		ug/L		07/29/11 14:35	08/08/11 06:07	1
PCB-1254	<0.99		0.99		ug/L		07/29/11 14:35	08/08/11 06:07	1
PCB-1260	<0.99		0.99		ug/L		07/29/11 14:35	08/08/11 06:07	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	61		36 - 130	07/29/11 14:35	08/08/11 06:07	1
Tetrachloro-m-xylene	60		36 - 130	07/29/11 14:35	08/08/11 06:07	1
DCB Decachlorobiphenyl	67		40 - 130	07/29/11 14:35	08/08/11 06:07	1
DCB Decachlorobiphenyl	56		40 - 130	07/29/11 14:35	08/08/11 06:07	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.51		0.51		ug/L		07/29/11 07:54	08/01/11 18:47	1
Silvex (2,4,5-TP)	<0.51		0.51		ug/L		07/29/11 07:54	08/01/11 18:47	1
2,4,5-T	<0.51		0.51		ug/L		07/29/11 07:54	08/01/11 18:47	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	87		52 - 151	07/29/11 07:54	08/01/11 18:47	1
DCAA	85		52 - 151	07/29/11 07:54	08/01/11 18:47	1

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		9.8	0.33	1		pg/L		07/29/11 09:00	07/30/11 01:44	0.98
Total HxCDD	ND		49	0.71			pg/L		07/29/11 09:00	07/30/11 01:44	0.98
Total HxCDF	ND		49	0.29			pg/L		07/29/11 09:00	07/30/11 01:44	0.98
Total PeCDD	ND		49	0.51			pg/L		07/29/11 09:00	07/30/11 01:44	0.98
Total PeCDF	ND		49	0.38			pg/L		07/29/11 09:00	07/30/11 01:44	0.98
Total TCDD	ND		9.8	0.33			pg/L		07/29/11 09:00	07/30/11 01:44	0.98
Total TCDF	ND		9.8	0.71			pg/L		07/29/11 09:00	07/30/11 01:44	0.98

Total TEQ (EPA 1989)

0.00

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW12-072711

Lab Sample ID: 680-70818-5

Date Collected: 07/27/11 10:14

Matrix: Water

Date Received: 07/28/11 14:09

Internal Standard	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	85		40 - 135	07/29/11 09:00	07/30/11 01:44	0.98
13C-1,2,3,7,8-PeCDD	85		40 - 135	07/29/11 09:00	07/30/11 01:44	0.98
13C-1,2,3,6,7,8-HxCDD	85		40 - 135	07/29/11 09:00	07/30/11 01:44	0.98
13C-2,3,7,8-TCDF	89		40 - 135	07/29/11 09:00	07/30/11 01:44	0.98
13C-1,2,3,7,8-PeCDF	84		40 - 135	07/29/11 09:00	07/30/11 01:44	0.98
13C-1,2,3,4,7,8-HxCDF	78		40 - 135	07/29/11 09:00	07/30/11 01:44	0.98

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<5.0		5.0		ug/L		08/01/11 08:48	08/07/11 00:12	1
Arsenic	<2.5		2.5		ug/L		08/01/11 08:48	08/07/11 00:12	1
Barium	120		5.0		ug/L		08/01/11 08:48	08/07/11 00:12	1
Beryllium	<0.50		0.50		ug/L		08/01/11 08:48	08/07/11 00:12	1
Cadmium	<0.50		0.50		ug/L		08/01/11 08:48	08/07/11 00:12	1
Chromium	<5.0		5.0		ug/L		08/01/11 08:48	08/07/11 00:12	1
Cobalt	3.4		0.50		ug/L		08/01/11 08:48	08/07/11 00:12	1
Copper	<5.0		5.0		ug/L		08/01/11 08:48	08/07/11 00:12	1
Lead	<1.5		1.5		ug/L		08/01/11 08:48	08/07/11 00:12	1
Nickel	9.7		5.0		ug/L		08/01/11 08:48	08/07/11 00:12	1
Selenium	<2.5		2.5		ug/L		08/01/11 08:48	08/07/11 00:12	1
Silver	<1.0		1.0		ug/L		08/01/11 08:48	08/07/11 00:12	1
Thallium	<1.0		1.0		ug/L		08/01/11 08:48	08/07/11 00:12	1
Tin	<5.0		5.0		ug/L		08/01/11 08:48	08/07/11 00:12	1
Vanadium	<10		10		ug/L		08/01/11 08:48	08/07/11 00:12	1
Zinc	34		20		ug/L		08/01/11 08:48	08/07/11 00:12	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		08/03/11 17:01	08/04/11 18:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		08/01/11 07:51	08/02/11 06:56	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0		mg/L			07/29/11 13:06	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW02-072711

Lab Sample ID: 680-70818-6

Date Collected: 07/27/11 12:10

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/30/11 16:52	1
Acetonitrile	<40		40		ug/L			07/30/11 16:52	1
Acrolein	<20		20		ug/L			07/30/11 16:52	1
Acrylonitrile	<20		20		ug/L			07/30/11 16:52	1
Benzene	<1.0		1.0		ug/L			07/30/11 16:52	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/30/11 16:52	1
Bromoform	<1.0		1.0		ug/L			07/30/11 16:52	1
Bromomethane	<1.0		1.0		ug/L			07/30/11 16:52	1
2-Butanone (MEK)	<10		10		ug/L			07/30/11 16:52	1
Carbon disulfide	<2.0		2.0		ug/L			07/30/11 16:52	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/30/11 16:52	1
Chlorobenzene	<1.0		1.0		ug/L			07/30/11 16:52	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/30/11 16:52	1
Chloroethane	<1.0		1.0		ug/L			07/30/11 16:52	1
Chloroform	<1.0		1.0		ug/L			07/30/11 16:52	1
Chloromethane	<1.0		1.0		ug/L			07/30/11 16:52	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/30/11 16:52	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/30/11 16:52	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/30/11 16:52	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/30/11 16:52	1
Dibromomethane	<1.0		1.0		ug/L			07/30/11 16:52	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/30/11 16:52	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/30/11 16:52	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/30/11 16:52	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/30/11 16:52	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 16:52	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 16:52	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/30/11 16:52	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/30/11 16:52	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 16:52	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 16:52	1
Ethylbenzene	<1.0		1.0		ug/L			07/30/11 16:52	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/30/11 16:52	1
2-Hexanone	<10		10		ug/L			07/30/11 16:52	1
Iodomethane	<5.0		5.0		ug/L			07/30/11 16:52	1
Isobutyl alcohol	<40		40		ug/L			07/30/11 16:52	1
Methacrylonitrile	<20		20		ug/L			07/30/11 16:52	1
Methylene Chloride	<5.0		5.0		ug/L			07/30/11 16:52	1
Methyl methacrylate	<1.0		1.0		ug/L			07/30/11 16:52	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/30/11 16:52	1
Pentachloroethane	<5.0		5.0		ug/L			07/30/11 16:52	1
Propionitrile	<20		20		ug/L			07/30/11 16:52	1
Styrene	<1.0		1.0		ug/L			07/30/11 16:52	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 16:52	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 16:52	1
Tetrachloroethene	<1.0		1.0		ug/L			07/30/11 16:52	1
Toluene	<1.0		1.0		ug/L			07/30/11 16:52	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/30/11 16:52	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/30/11 16:52	1
Trichloroethene	<1.0		1.0		ug/L			07/30/11 16:52	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW02-072711

Lab Sample ID: 680-70818-6

Date Collected: 07/27/11 12:10

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/30/11 16:52	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/30/11 16:52	1
Vinyl acetate	<2.0		2.0		ug/L			07/30/11 16:52	1
Vinyl chloride	<1.0		1.0		ug/L			07/30/11 16:52	1
Xylenes, Total	<2.0		2.0		ug/L			07/30/11 16:52	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		70 - 130		07/30/11 16:52	1
Dibromofluoromethane	107		70 - 130		07/30/11 16:52	1
Toluene-d8 (Surr)	98		70 - 130		07/30/11 16:52	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Acenaphthylene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Acetophenone	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
2-Acetylaminofluorene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
alpha,alpha-Dimethyl phenethylamine	<2000		2000		ug/L		08/02/11 15:02	08/05/11 16:01	1
4-Aminobiphenyl	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Aniline	<20		20		ug/L		08/02/11 15:02	08/05/11 16:01	1
Anthracene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Aramite, Total	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Benzo[a]anthracene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Benzo[a]pyrene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Benzo[b]fluoranthene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Benzo[g,h,i]perylene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Benzo[k]fluoranthene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Benzyl alcohol	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
1,1'-Biphenyl	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Bis(2-chloroethoxy)methane	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Bis(2-chloroethyl)ether	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
bis(chloroisopropyl) ether	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Bis(2-ethylhexyl) phthalate	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
4-Bromophenyl phenyl ether	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Butyl benzyl phthalate	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
4-Chloroaniline	<20		20		ug/L		08/02/11 15:02	08/05/11 16:01	1
4-Chloro-3-methylphenol	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
2-Chloronaphthalene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
2-Chlorophenol	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
4-Chlorophenyl phenyl ether	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Chrysene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Diallylate	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Dibenz(a,h)anthracene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Dibenzofuran	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
1,2-Dichlorobenzene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
1,3-Dichlorobenzene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
1,4-Dichlorobenzene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
3,3'-Dichlorobenzidine	<59		59		ug/L		08/02/11 15:02	08/05/11 16:01	1
2,4-Dichlorophenol	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
2,6-Dichlorophenol	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW02-072711

Lab Sample ID: 680-70818-6

Date Collected: 07/27/11 12:10

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Dimethoate	<9.9	*	9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
7,12-Dimethylbenz(a)anthracene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
3,3'-Dimethylbenzidine	<20		20		ug/L		08/02/11 15:02	08/05/11 16:01	1
2,4-Dimethylphenol	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Dimethyl phthalate	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Di-n-butyl phthalate	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
1,3-Dinitrobenzene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
4,6-Dinitro-2-methylphenol	<49		49		ug/L		08/02/11 15:02	08/05/11 16:01	1
2,4-Dinitrophenol	<49		49		ug/L		08/02/11 15:02	08/05/11 16:01	1
2,4-Dinitrotoluene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
2,6-Dinitrotoluene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Di-n-octyl phthalate	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Dinoseb	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
1,4-Dioxane	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Disulfoton	<9.9	*	9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Ethyl methanesulfonate	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Ethyl Parathion	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Famphur	<9.9	*	9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Fluoranthene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Fluorene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Hexachlorobenzene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Hexachlorobutadiene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Hexachlorocyclopentadiene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Hexachloroethane	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Hexachlorophene	<4900		4900		ug/L		08/02/11 15:02	08/05/11 16:01	1
Hexachloropropene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Indeno[1,2,3-cd]pyrene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Isophorone	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Isosafrole	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Methapyrilene	<2000		2000		ug/L		08/02/11 15:02	08/05/11 16:01	1
3-Methylcholanthrene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Methyl methanesulfonate	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
2-Methylnaphthalene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Methyl parathion	<9.9	*	9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
2-Methylphenol	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
3 & 4 Methylphenol	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Naphthalene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
1,4-Naphthoquinone	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
1-Naphthylamine	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
2-Naphthylamine	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
2-Nitroaniline	<49		49		ug/L		08/02/11 15:02	08/05/11 16:01	1
3-Nitroaniline	<49		49		ug/L		08/02/11 15:02	08/05/11 16:01	1
4-Nitroaniline	<49		49		ug/L		08/02/11 15:02	08/05/11 16:01	1
Nitrobenzene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
2-Nitrophenol	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
4-Nitrophenol	<49		49		ug/L		08/02/11 15:02	08/05/11 16:01	1
4-Nitroquinoline-1-oxide	<20		20		ug/L		08/02/11 15:02	08/05/11 16:01	1
N-Nitro-o-toluidine	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
N-Nitrosodiethylamine	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Client Sample ID: ASH-MW02-072711

Lab Sample ID: 680-70818-6

Date Collected: 07/27/11 12:10

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
N-Nitrosodi-n-butylamine	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
N-Nitrosodi-n-propylamine	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
N-Nitrosodiphenylamine	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
N-Nitrosomethylethylamine	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
N-Nitrosomorpholine	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
N-Nitrosopiperidine	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
N-Nitrosopyrrolidine	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
o,o',o"-Triethylphosphorothioate	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
p-Dimethylamino azobenzene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Pentachlorobenzene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Pentachloronitrobenzene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Pentachlorophenol	<49		49		ug/L		08/02/11 15:02	08/05/11 16:01	1
Phenacetin	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Phenanthrene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Phenol	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Phorate	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
2-Picoline	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
p-Phenylene diamine	<2000		2000		ug/L		08/02/11 15:02	08/05/11 16:01	1
Pronamide	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Pyrene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Pyridine	<49		49		ug/L		08/02/11 15:02	08/05/11 16:01	1
Safrole, Total	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Sulfotepp	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
1,2,4,5-Tetrachlorobenzene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
2,3,4,6-Tetrachlorophenol	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
Thionazin	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
2-Toluidine	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
1,2,4-Trichlorobenzene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
2,4,5-Trichlorophenol	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
2,4,6-Trichlorophenol	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1
1,3,5-Trinitrobenzene	<9.9		9.9		ug/L		08/02/11 15:02	08/05/11 16:01	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	63		38 - 130	08/02/11 15:02	08/05/11 16:01	1
2-Fluorophenol	58		25 - 130	08/02/11 15:02	08/05/11 16:01	1
Nitrobenzene-d5	65		39 - 130	08/02/11 15:02	08/05/11 16:01	1
Phenol-d5	54		25 - 130	08/02/11 15:02	08/05/11 16:01	1
Terphenyl-d14	80		10 - 143	08/02/11 15:02	08/05/11 16:01	1
2,4,6-Tribromophenol	80		31 - 141	08/02/11 15:02	08/05/11 16:01	1

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 06:26	1
alpha-BHC	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 06:26	1
beta-BHC	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 06:26	1
Chlordane (technical)	<0.50		0.50		ug/L		07/29/11 14:35	08/08/11 06:26	1
Chlorobenzilate	<0.50		0.50		ug/L		07/29/11 14:35	08/08/11 06:26	1
4,4'-DDD	<0.099		0.099		ug/L		07/29/11 14:35	08/08/11 06:26	1
4,4'-DDE	<0.099		0.099		ug/L		07/29/11 14:35	08/08/11 06:26	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Client Sample ID: ASH-MW02-072711

Lab Sample ID: 680-70818-6

Date Collected: 07/27/11 12:10

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	<0.099		0.099		ug/L		07/29/11 14:35	08/08/11 06:26	1
delta-BHC	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 06:26	1
Dieldrin	<0.099		0.099		ug/L		07/29/11 14:35	08/08/11 06:26	1
Endosulfan I	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 06:26	1
Endosulfan II	<0.099		0.099		ug/L		07/29/11 14:35	08/08/11 06:26	1
Endosulfan sulfate	<0.099		0.099		ug/L		07/29/11 14:35	08/08/11 06:26	1
Endrin	<0.099		0.099		ug/L		07/29/11 14:35	08/08/11 06:26	1
Endrin aldehyde	<0.099		0.099		ug/L		07/29/11 14:35	08/08/11 06:26	1
Endrin ketone	<0.099		0.099		ug/L		07/29/11 14:35	08/08/11 06:26	1
gamma-BHC (Lindane)	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 06:26	1
Heptachlor	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 06:26	1
Heptachlor epoxide	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 06:26	1
Isodrin	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 06:26	1
Kepone	<0.99	*	0.99		ug/L		07/29/11 14:35	08/08/11 06:26	1
Methoxychlor	<0.099		0.099		ug/L		07/29/11 14:35	08/08/11 06:26	1
Toxaphene	<5.0		5.0		ug/L		07/29/11 14:35	08/08/11 06:26	1
PCB-1016	<0.99		0.99		ug/L		07/29/11 14:35	08/08/11 06:26	1
PCB-1221	<2.0		2.0		ug/L		07/29/11 14:35	08/08/11 06:26	1
PCB-1232	<0.99		0.99		ug/L		07/29/11 14:35	08/08/11 06:26	1
PCB-1242	<0.99		0.99		ug/L		07/29/11 14:35	08/08/11 06:26	1
PCB-1248	<0.99		0.99		ug/L		07/29/11 14:35	08/08/11 06:26	1
PCB-1254	<0.99		0.99		ug/L		07/29/11 14:35	08/08/11 06:26	1
PCB-1260	<0.99		0.99		ug/L		07/29/11 14:35	08/08/11 06:26	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	54		36 - 130	07/29/11 14:35	08/08/11 06:26	1
Tetrachloro-m-xylene	54		36 - 130	07/29/11 14:35	08/08/11 06:26	1
DCB Decachlorobiphenyl	26	X	40 - 130	07/29/11 14:35	08/08/11 06:26	1
DCB Decachlorobiphenyl	22	X	40 - 130	07/29/11 14:35	08/08/11 06:26	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.51		0.51		ug/L		07/29/11 07:54	08/01/11 19:02	1
Silvex (2,4,5-TP)	<0.51		0.51		ug/L		07/29/11 07:54	08/01/11 19:02	1
2,4,5-T	<0.51		0.51		ug/L		07/29/11 07:54	08/01/11 19:02	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	87		52 - 151	07/29/11 07:54	08/01/11 19:02	1
DCAA	84		52 - 151	07/29/11 07:54	08/01/11 19:02	1

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		10	0.22	1		pg/L		07/29/11 09:00	07/30/11 02:29	1.01
Total HxCDD	ND		51	0.69			pg/L		07/29/11 09:00	07/30/11 02:29	1.01
Total HxCDF	ND		51	0.22			pg/L		07/29/11 09:00	07/30/11 02:29	1.01
Total PeCDD	ND		51	0.37			pg/L		07/29/11 09:00	07/30/11 02:29	1.01
Total PeCDF	ND		51	0.22			pg/L		07/29/11 09:00	07/30/11 02:29	1.01
Total TCDD	ND		10	0.43			pg/L		07/29/11 09:00	07/30/11 02:29	1.01
Total TCDF	ND		10	0.32			pg/L		07/29/11 09:00	07/30/11 02:29	1.01

Total TEQ (EPA 1989)

0.00

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW02-072711

Lab Sample ID: 680-70818-6

Date Collected: 07/27/11 12:10

Matrix: Water

Date Received: 07/28/11 14:09

Internal Standard	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	87		40 - 135	07/29/11 09:00	07/30/11 02:29	1.01
13C-1,2,3,7,8-PeCDD	89		40 - 135	07/29/11 09:00	07/30/11 02:29	1.01
13C-1,2,3,6,7,8-HxCDD	85		40 - 135	07/29/11 09:00	07/30/11 02:29	1.01
13C-2,3,7,8-TCDF	90		40 - 135	07/29/11 09:00	07/30/11 02:29	1.01
13C-1,2,3,7,8-PeCDF	88		40 - 135	07/29/11 09:00	07/30/11 02:29	1.01
13C-1,2,3,4,7,8-HxCDF	75		40 - 135	07/29/11 09:00	07/30/11 02:29	1.01

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<5.0		5.0		ug/L		08/03/11 09:07	08/07/11 06:38	1
Arsenic	2.9		2.5		ug/L		08/03/11 09:07	08/07/11 06:38	1
Barium	76		5.0		ug/L		08/03/11 09:07	08/07/11 06:38	1
Beryllium	<0.50		0.50		ug/L		08/03/11 09:07	08/07/11 06:38	1
Cadmium	<0.50		0.50		ug/L		08/03/11 09:07	08/07/11 06:38	1
Chromium	<5.0		5.0		ug/L		08/03/11 09:07	08/07/11 06:38	1
Cobalt	4.2		0.50		ug/L		08/03/11 09:07	08/07/11 06:38	1
Copper	<5.0		5.0		ug/L		08/03/11 09:07	08/07/11 06:38	1
Lead	<1.5		1.5		ug/L		08/03/11 09:07	08/07/11 06:38	1
Nickel	<5.0		5.0		ug/L		08/03/11 09:07	08/07/11 06:38	1
Selenium	<2.5		2.5		ug/L		08/03/11 09:07	08/07/11 06:38	1
Silver	<1.0		1.0		ug/L		08/03/11 09:07	08/07/11 06:38	1
Thallium	<1.0		1.0		ug/L		08/03/11 09:07	08/07/11 06:38	1
Tin	<5.0		5.0		ug/L		08/03/11 09:07	08/07/11 06:38	1
Vanadium	<10		10		ug/L		08/03/11 09:07	08/07/11 06:38	1
Zinc	<20		20		ug/L		08/03/11 09:07	08/07/11 06:38	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		08/03/11 17:01	08/04/11 18:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		08/01/11 07:51	08/02/11 06:57	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0		mg/L			07/29/11 13:06	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW04-072711

Lab Sample ID: 680-70818-7

Date Collected: 07/27/11 12:55

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/30/11 21:48	1
Acetonitrile	<40		40		ug/L			07/30/11 21:48	1
Acrolein	<20		20		ug/L			07/30/11 21:48	1
Acrylonitrile	<20		20		ug/L			07/30/11 21:48	1
Benzene	<1.0		1.0		ug/L			07/30/11 21:48	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/30/11 21:48	1
Bromoform	<1.0		1.0		ug/L			07/30/11 21:48	1
Bromomethane	<1.0		1.0		ug/L			07/30/11 21:48	1
2-Butanone (MEK)	<10		10		ug/L			07/30/11 21:48	1
Carbon disulfide	<2.0		2.0		ug/L			07/30/11 21:48	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/30/11 21:48	1
Chlorobenzene	<1.0		1.0		ug/L			07/30/11 21:48	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/30/11 21:48	1
Chloroethane	<1.0		1.0		ug/L			07/30/11 21:48	1
Chloroform	<1.0		1.0		ug/L			07/30/11 21:48	1
Chloromethane	<1.0		1.0		ug/L			07/30/11 21:48	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/30/11 21:48	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/30/11 21:48	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/30/11 21:48	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/30/11 21:48	1
Dibromomethane	<1.0		1.0		ug/L			07/30/11 21:48	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/30/11 21:48	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/30/11 21:48	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/30/11 21:48	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/30/11 21:48	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 21:48	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 21:48	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/30/11 21:48	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/30/11 21:48	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 21:48	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 21:48	1
Ethylbenzene	<1.0		1.0		ug/L			07/30/11 21:48	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/30/11 21:48	1
2-Hexanone	<10		10		ug/L			07/30/11 21:48	1
Iodomethane	<5.0		5.0		ug/L			07/30/11 21:48	1
Isobutyl alcohol	<40		40		ug/L			07/30/11 21:48	1
Methacrylonitrile	<20		20		ug/L			07/30/11 21:48	1
Methylene Chloride	<5.0		5.0		ug/L			07/30/11 21:48	1
Methyl methacrylate	<1.0		1.0		ug/L			07/30/11 21:48	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/30/11 21:48	1
Pentachloroethane	<5.0		5.0		ug/L			07/30/11 21:48	1
Propionitrile	<20		20		ug/L			07/30/11 21:48	1
Styrene	<1.0		1.0		ug/L			07/30/11 21:48	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 21:48	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 21:48	1
Tetrachloroethene	<1.0		1.0		ug/L			07/30/11 21:48	1
Toluene	<1.0		1.0		ug/L			07/30/11 21:48	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/30/11 21:48	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/30/11 21:48	1
Trichloroethene	<1.0		1.0		ug/L			07/30/11 21:48	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW04-072711

Lab Sample ID: 680-70818-7

Date Collected: 07/27/11 12:55

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/30/11 21:48	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/30/11 21:48	1
Vinyl acetate	<2.0		2.0		ug/L			07/30/11 21:48	1
Vinyl chloride	<1.0		1.0		ug/L			07/30/11 21:48	1
Xylenes, Total	<2.0		2.0		ug/L			07/30/11 21:48	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		70 - 130		07/30/11 21:48	1
Dibromofluoromethane	109		70 - 130		07/30/11 21:48	1
Toluene-d8 (Surr)	100		70 - 130		07/30/11 21:48	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Acenaphthylene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Acetophenone	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
2-Acetylaminofluorene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
alpha,alpha-Dimethyl phenethylamine	<2100		2100		ug/L		08/02/11 15:02	08/05/11 16:30	1
4-Aminobiphenyl	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Aniline	<21		21		ug/L		08/02/11 15:02	08/05/11 16:30	1
Anthracene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Aramite, Total	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Benzo[a]anthracene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Benzo[a]pyrene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Benzo[b]fluoranthene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Benzo[g,h,i]perylene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Benzo[k]fluoranthene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Benzyl alcohol	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
1,1'-Biphenyl	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Bis(2-chloroethoxy)methane	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Bis(2-chloroethyl)ether	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
bis(chloroisopropyl) ether	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Bis(2-ethylhexyl) phthalate	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
4-Bromophenyl phenyl ether	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Butyl benzyl phthalate	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
4-Chloroaniline	<21		21		ug/L		08/02/11 15:02	08/05/11 16:30	1
4-Chloro-3-methylphenol	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
2-Chloronaphthalene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
2-Chlorophenol	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
4-Chlorophenyl phenyl ether	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Chrysene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Diallylate	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Dibenz(a,h)anthracene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Dibenzofuran	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
1,2-Dichlorobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
1,3-Dichlorobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
1,4-Dichlorobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
3,3'-Dichlorobenzidine	<63		63		ug/L		08/02/11 15:02	08/05/11 16:30	1
2,4-Dichlorophenol	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
2,6-Dichlorophenol	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW04-072711

Lab Sample ID: 680-70818-7

Date Collected: 07/27/11 12:55

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Dimethoate	<10	*	10		ug/L		08/02/11 15:02	08/05/11 16:30	1
7,12-Dimethylbenz(a)anthracene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
3,3'-Dimethylbenzidine	<21		21		ug/L		08/02/11 15:02	08/05/11 16:30	1
2,4-Dimethylphenol	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Dimethyl phthalate	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Di-n-butyl phthalate	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
1,3-Dinitrobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
4,6-Dinitro-2-methylphenol	<52		52		ug/L		08/02/11 15:02	08/05/11 16:30	1
2,4-Dinitrophenol	<52		52		ug/L		08/02/11 15:02	08/05/11 16:30	1
2,4-Dinitrotoluene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
2,6-Dinitrotoluene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Di-n-octyl phthalate	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Dinoseb	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
1,4-Dioxane	23		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Disulfoton	<10	*	10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Ethyl methanesulfonate	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Ethyl Parathion	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Famphur	<10	*	10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Fluoranthene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Fluorene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Hexachlorobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Hexachlorobutadiene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Hexachlorocyclopentadiene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Hexachloroethane	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Hexachlorophene	<5200		5200		ug/L		08/02/11 15:02	08/05/11 16:30	1
Hexachloropropene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Indeno[1,2,3-cd]pyrene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Isophorone	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Isosafrole	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Methapyrilene	<2100		2100		ug/L		08/02/11 15:02	08/05/11 16:30	1
3-Methylcholanthrene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Methyl methanesulfonate	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
2-Methylnaphthalene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Methyl parathion	<10	*	10		ug/L		08/02/11 15:02	08/05/11 16:30	1
2-Methylphenol	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
3 & 4 Methylphenol	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Naphthalene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
1,4-Naphthoquinone	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
1-Naphthylamine	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
2-Naphthylamine	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
2-Nitroaniline	<52		52		ug/L		08/02/11 15:02	08/05/11 16:30	1
3-Nitroaniline	<52		52		ug/L		08/02/11 15:02	08/05/11 16:30	1
4-Nitroaniline	<52		52		ug/L		08/02/11 15:02	08/05/11 16:30	1
Nitrobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
2-Nitrophenol	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
4-Nitrophenol	<52		52		ug/L		08/02/11 15:02	08/05/11 16:30	1
4-Nitroquinoline-1-oxide	<21		21		ug/L		08/02/11 15:02	08/05/11 16:30	1
N-Nitro-o-toluidine	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
N-Nitrosodiethylamine	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW04-072711

Lab Sample ID: 680-70818-7

Date Collected: 07/27/11 12:55

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
N-Nitrosodi-n-butylamine	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
N-Nitrosodi-n-propylamine	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
N-Nitrosodiphenylamine	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
N-Nitrosomethylethylamine	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
N-Nitrosomorpholine	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
N-Nitrosopiperidine	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
N-Nitrosopyrrolidine	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
o,o',o"-Triethylphosphorothioate	22		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
p-Dimethylamino azobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Pentachlorobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Pentachloronitrobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Pentachlorophenol	<52		52		ug/L		08/02/11 15:02	08/05/11 16:30	1
Phenacetin	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Phenanthrene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Phenol	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Phorate	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
2-Picoline	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
p-Phenylene diamine	<2100		2100		ug/L		08/02/11 15:02	08/05/11 16:30	1
Pronamide	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Pyrene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Pyridine	<52		52		ug/L		08/02/11 15:02	08/05/11 16:30	1
Safrole, Total	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Sulfotepp	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
1,2,4,5-Tetrachlorobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
2,3,4,6-Tetrachlorophenol	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
Thionazin	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
2-Toluidine	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
1,2,4-Trichlorobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
2,4,5-Trichlorophenol	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
2,4,6-Trichlorophenol	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1
1,3,5-Trinitrobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 16:30	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	71		38 - 130	08/02/11 15:02	08/05/11 16:30	1
2-Fluorophenol	60		25 - 130	08/02/11 15:02	08/05/11 16:30	1
Nitrobenzene-d5	67		39 - 130	08/02/11 15:02	08/05/11 16:30	1
Phenol-d5	56		25 - 130	08/02/11 15:02	08/05/11 16:30	1
Terphenyl-d14	37		10 - 143	08/02/11 15:02	08/05/11 16:30	1
2,4,6-Tribromophenol	88		31 - 141	08/02/11 15:02	08/05/11 16:30	1

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.051		0.051		ug/L		07/29/11 14:35	08/08/11 06:45	1
alpha-BHC	<0.051		0.051		ug/L		07/29/11 14:35	08/08/11 06:45	1
beta-BHC	<0.051		0.051		ug/L		07/29/11 14:35	08/08/11 06:45	1
Chlordane (technical)	<0.51		0.51		ug/L		07/29/11 14:35	08/08/11 06:45	1
Chlorobenzilate	<0.51		0.51		ug/L		07/29/11 14:35	08/08/11 06:45	1
4,4'-DDD	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 06:45	1
4,4'-DDE	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 06:45	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Client Sample ID: ASH-MW04-072711

Lab Sample ID: 680-70818-7

Date Collected: 07/27/11 12:55

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 06:45	1
delta-BHC	<0.051		0.051		ug/L		07/29/11 14:35	08/08/11 06:45	1
Dieldrin	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 06:45	1
Endosulfan I	<0.051		0.051		ug/L		07/29/11 14:35	08/08/11 06:45	1
Endosulfan II	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 06:45	1
Endosulfan sulfate	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 06:45	1
Endrin	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 06:45	1
Endrin aldehyde	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 06:45	1
Endrin ketone	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 06:45	1
gamma-BHC (Lindane)	<0.051		0.051		ug/L		07/29/11 14:35	08/08/11 06:45	1
Heptachlor	<0.051		0.051		ug/L		07/29/11 14:35	08/08/11 06:45	1
Heptachlor epoxide	<0.051		0.051		ug/L		07/29/11 14:35	08/08/11 06:45	1
Isodrin	<0.051		0.051		ug/L		07/29/11 14:35	08/08/11 06:45	1
Kepone	<1.0 *		1.0		ug/L		07/29/11 14:35	08/08/11 06:45	1
Methoxychlor	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 06:45	1
Toxaphene	<5.1		5.1		ug/L		07/29/11 14:35	08/08/11 06:45	1
PCB-1016	<1.0		1.0		ug/L		07/29/11 14:35	08/08/11 06:45	1
PCB-1221	<2.0		2.0		ug/L		07/29/11 14:35	08/08/11 06:45	1
PCB-1232	<1.0		1.0		ug/L		07/29/11 14:35	08/08/11 06:45	1
PCB-1242	<1.0		1.0		ug/L		07/29/11 14:35	08/08/11 06:45	1
PCB-1248	<1.0		1.0		ug/L		07/29/11 14:35	08/08/11 06:45	1
PCB-1254	<1.0		1.0		ug/L		07/29/11 14:35	08/08/11 06:45	1
PCB-1260	<1.0		1.0		ug/L		07/29/11 14:35	08/08/11 06:45	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	38		36 - 130	07/29/11 14:35	08/08/11 06:45	1
Tetrachloro-m-xylene	45		36 - 130	07/29/11 14:35	08/08/11 06:45	1
DCB Decachlorobiphenyl	11 X		40 - 130	07/29/11 14:35	08/08/11 06:45	1
DCB Decachlorobiphenyl	12 X		40 - 130	07/29/11 14:35	08/08/11 06:45	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.51		0.51		ug/L		07/29/11 07:54	08/01/11 19:18	1
Silvex (2,4,5-TP)	<0.51		0.51		ug/L		07/29/11 07:54	08/01/11 19:18	1
2,4,5-T	<0.51		0.51		ug/L		07/29/11 07:54	08/01/11 19:18	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	97	p	52 - 151	07/29/11 07:54	08/01/11 19:18	1
DCAA	241	X	52 - 151	07/29/11 07:54	08/01/11 19:18	1

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		10	0.31	1		pg/L		07/29/11 09:00	07/30/11 03:14	1
Total HxCDD	ND		50	0.66			pg/L		07/29/11 09:00	07/30/11 03:14	1
Total HxCDF	ND		50	0.18			pg/L		07/29/11 09:00	07/30/11 03:14	1
Total PeCDD	ND		50	0.46			pg/L		07/29/11 09:00	07/30/11 03:14	1
Total PeCDF	ND		50	0.27			pg/L		07/29/11 09:00	07/30/11 03:14	1
Total TCDD	ND		10	0.31			pg/L		07/29/11 09:00	07/30/11 03:14	1
Total TCDF	ND		10	0.32			pg/L		07/29/11 09:00	07/30/11 03:14	1

Total TEQ (EPA 1989)

0.00

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW04-072711

Lab Sample ID: 680-70818-7

Date Collected: 07/27/11 12:55

Matrix: Water

Date Received: 07/28/11 14:09

Internal Standard	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	86		40 - 135	07/29/11 09:00	07/30/11 03:14	1
13C-1,2,3,7,8-PeCDD	85		40 - 135	07/29/11 09:00	07/30/11 03:14	1
13C-1,2,3,6,7,8-HxCDD	84		40 - 135	07/29/11 09:00	07/30/11 03:14	1
13C-2,3,7,8-TCDF	89		40 - 135	07/29/11 09:00	07/30/11 03:14	1
13C-1,2,3,7,8-PeCDF	84		40 - 135	07/29/11 09:00	07/30/11 03:14	1
13C-1,2,3,4,7,8-HxCDF	82		40 - 135	07/29/11 09:00	07/30/11 03:14	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<5.0		5.0		ug/L		08/03/11 09:07	08/07/11 06:44	1
Arsenic	<2.5		2.5		ug/L		08/03/11 09:07	08/07/11 06:44	1
Barium	110		5.0		ug/L		08/03/11 09:07	08/07/11 06:44	1
Beryllium	<0.50		0.50		ug/L		08/03/11 09:07	08/07/11 06:44	1
Cadmium	<0.50		0.50		ug/L		08/03/11 09:07	08/07/11 06:44	1
Chromium	<5.0		5.0		ug/L		08/03/11 09:07	08/07/11 06:44	1
Cobalt	<0.50		0.50		ug/L		08/03/11 09:07	08/07/11 06:44	1
Copper	<5.0		5.0		ug/L		08/03/11 09:07	08/07/11 06:44	1
Lead	<1.5		1.5		ug/L		08/03/11 09:07	08/07/11 06:44	1
Nickel	<5.0		5.0		ug/L		08/03/11 09:07	08/07/11 06:44	1
Selenium	<2.5		2.5		ug/L		08/03/11 09:07	08/07/11 06:44	1
Silver	<1.0		1.0		ug/L		08/03/11 09:07	08/07/11 06:44	1
Thallium	<1.0		1.0		ug/L		08/03/11 09:07	08/07/11 06:44	1
Tin	<5.0		5.0		ug/L		08/03/11 09:07	08/07/11 06:44	1
Vanadium	<10		10		ug/L		08/03/11 09:07	08/07/11 06:44	1
Zinc	<20		20		ug/L		08/03/11 09:07	08/07/11 06:44	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		08/03/11 17:01	08/04/11 18:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		08/01/11 07:51	08/02/11 06:58	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	1.1		1.0		mg/L			07/29/11 13:06	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW11-072711

Lab Sample ID: 680-70818-8

Date Collected: 07/27/11 14:55

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/01/11 19:52	1
Acetonitrile	<40		40		ug/L			08/01/11 19:52	1
Acrolein	<20		20		ug/L			08/01/11 19:52	1
Acrylonitrile	<20		20		ug/L			08/01/11 19:52	1
Benzene	<1.0		1.0		ug/L			08/01/11 19:52	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/01/11 19:52	1
Bromoform	<1.0	*	1.0		ug/L			08/01/11 19:52	1
Bromomethane	<1.0		1.0		ug/L			08/01/11 19:52	1
2-Butanone (MEK)	<10		10		ug/L			08/01/11 19:52	1
Carbon disulfide	<2.0		2.0		ug/L			08/01/11 19:52	1
Carbon tetrachloride	<1.0	*	1.0		ug/L			08/01/11 19:52	1
Chlorobenzene	<1.0		1.0		ug/L			08/01/11 19:52	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/01/11 19:52	1
Chloroethane	<1.0		1.0		ug/L			08/01/11 19:52	1
Chloroform	<1.0		1.0		ug/L			08/01/11 19:52	1
Chloromethane	<1.0		1.0		ug/L			08/01/11 19:52	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/01/11 19:52	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/01/11 19:52	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/01/11 19:52	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/01/11 19:52	1
Dibromomethane	<1.0		1.0		ug/L			08/01/11 19:52	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/01/11 19:52	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/01/11 19:52	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/01/11 19:52	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/01/11 19:52	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/01/11 19:52	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/01/11 19:52	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/01/11 19:52	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/01/11 19:52	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/01/11 19:52	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/01/11 19:52	1
Ethylbenzene	<1.0		1.0		ug/L			08/01/11 19:52	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/01/11 19:52	1
2-Hexanone	<10		10		ug/L			08/01/11 19:52	1
Iodomethane	<5.0		5.0		ug/L			08/01/11 19:52	1
Isobutyl alcohol	<40		40		ug/L			08/01/11 19:52	1
Methacrylonitrile	<20		20		ug/L			08/01/11 19:52	1
Methylene Chloride	<5.0		5.0		ug/L			08/01/11 19:52	1
Methyl methacrylate	<1.0		1.0		ug/L			08/01/11 19:52	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/01/11 19:52	1
Pentachloroethane	<5.0		5.0		ug/L			08/01/11 19:52	1
Propionitrile	<20		20		ug/L			08/01/11 19:52	1
Styrene	<1.0		1.0		ug/L			08/01/11 19:52	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/01/11 19:52	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/01/11 19:52	1
Tetrachloroethene	<1.0		1.0		ug/L			08/01/11 19:52	1
Toluene	<1.0		1.0		ug/L			08/01/11 19:52	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/01/11 19:52	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/01/11 19:52	1
Trichloroethene	<1.0		1.0		ug/L			08/01/11 19:52	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW11-072711

Lab Sample ID: 680-70818-8

Date Collected: 07/27/11 14:55

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			08/01/11 19:52	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/01/11 19:52	1
Vinyl acetate	<2.0		2.0		ug/L			08/01/11 19:52	1
Vinyl chloride	<1.0		1.0		ug/L			08/01/11 19:52	1
Xylenes, Total	<2.0		2.0		ug/L			08/01/11 19:52	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		70 - 130		08/01/11 19:52	1
Dibromofluoromethane	110		70 - 130		08/01/11 19:52	1
Toluene-d8 (Surr)	104		70 - 130		08/01/11 19:52	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Client Sample ID: ASH-MW10-072711

Lab Sample ID: 680-70818-9

Date Collected: 07/27/11 14:40

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/30/11 20:19	1
Acetonitrile	<40		40		ug/L			07/30/11 20:19	1
Acrolein	<20		20		ug/L			07/30/11 20:19	1
Acrylonitrile	<20		20		ug/L			07/30/11 20:19	1
Benzene	<1.0		1.0		ug/L			07/30/11 20:19	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/30/11 20:19	1
Bromoform	<1.0		1.0		ug/L			07/30/11 20:19	1
Bromomethane	<1.0		1.0		ug/L			07/30/11 20:19	1
2-Butanone (MEK)	<10		10		ug/L			07/30/11 20:19	1
Carbon disulfide	<2.0		2.0		ug/L			07/30/11 20:19	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/30/11 20:19	1
Chlorobenzene	<1.0		1.0		ug/L			07/30/11 20:19	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/30/11 20:19	1
Chloroethane	<1.0		1.0		ug/L			07/30/11 20:19	1
Chloroform	<1.0		1.0		ug/L			07/30/11 20:19	1
Chloromethane	<1.0		1.0		ug/L			07/30/11 20:19	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/30/11 20:19	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/30/11 20:19	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/30/11 20:19	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/30/11 20:19	1
Dibromomethane	<1.0		1.0		ug/L			07/30/11 20:19	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/30/11 20:19	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/30/11 20:19	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/30/11 20:19	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/30/11 20:19	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 20:19	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 20:19	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/30/11 20:19	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/30/11 20:19	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 20:19	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 20:19	1
Ethylbenzene	<1.0		1.0		ug/L			07/30/11 20:19	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/30/11 20:19	1
2-Hexanone	<10		10		ug/L			07/30/11 20:19	1
Iodomethane	<5.0		5.0		ug/L			07/30/11 20:19	1
Isobutyl alcohol	<40		40		ug/L			07/30/11 20:19	1
Methacrylonitrile	<20		20		ug/L			07/30/11 20:19	1
Methylene Chloride	<5.0		5.0		ug/L			07/30/11 20:19	1
Methyl methacrylate	<1.0		1.0		ug/L			07/30/11 20:19	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/30/11 20:19	1
Pentachloroethane	<5.0		5.0		ug/L			07/30/11 20:19	1
Propionitrile	<20		20		ug/L			07/30/11 20:19	1
Styrene	<1.0		1.0		ug/L			07/30/11 20:19	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 20:19	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 20:19	1
Tetrachloroethene	<1.0		1.0		ug/L			07/30/11 20:19	1
Toluene	<1.0		1.0		ug/L			07/30/11 20:19	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/30/11 20:19	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/30/11 20:19	1
Trichloroethene	<1.0		1.0		ug/L			07/30/11 20:19	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW10-072711

Lab Sample ID: 680-70818-9

Date Collected: 07/27/11 14:40

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/30/11 20:19	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/30/11 20:19	1
Vinyl acetate	<2.0		2.0		ug/L			07/30/11 20:19	1
Vinyl chloride	<1.0		1.0		ug/L			07/30/11 20:19	1
Xylenes, Total	<2.0		2.0		ug/L			07/30/11 20:19	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		70 - 130		07/30/11 20:19	1
Dibromofluoromethane	107		70 - 130		07/30/11 20:19	1
Toluene-d8 (Surr)	99		70 - 130		07/30/11 20:19	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Client Sample ID: ASH-MW03-072711

Lab Sample ID: 680-70818-10

Date Collected: 07/27/11 13:40

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/30/11 19:49	1
Acetonitrile	<40		40		ug/L			07/30/11 19:49	1
Acrolein	<20		20		ug/L			07/30/11 19:49	1
Acrylonitrile	<20		20		ug/L			07/30/11 19:49	1
Benzene	<1.0		1.0		ug/L			07/30/11 19:49	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/30/11 19:49	1
Bromoform	<1.0		1.0		ug/L			07/30/11 19:49	1
Bromomethane	<1.0		1.0		ug/L			07/30/11 19:49	1
2-Butanone (MEK)	<10		10		ug/L			07/30/11 19:49	1
Carbon disulfide	<2.0		2.0		ug/L			07/30/11 19:49	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/30/11 19:49	1
Chlorobenzene	<1.0		1.0		ug/L			07/30/11 19:49	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/30/11 19:49	1
Chloroethane	<1.0		1.0		ug/L			07/30/11 19:49	1
Chloroform	<1.0		1.0		ug/L			07/30/11 19:49	1
Chloromethane	<1.0		1.0		ug/L			07/30/11 19:49	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/30/11 19:49	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/30/11 19:49	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/30/11 19:49	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/30/11 19:49	1
Dibromomethane	<1.0		1.0		ug/L			07/30/11 19:49	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/30/11 19:49	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/30/11 19:49	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/30/11 19:49	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/30/11 19:49	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 19:49	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 19:49	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/30/11 19:49	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/30/11 19:49	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 19:49	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 19:49	1
Ethylbenzene	<1.0		1.0		ug/L			07/30/11 19:49	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/30/11 19:49	1
2-Hexanone	<10		10		ug/L			07/30/11 19:49	1
Iodomethane	<5.0		5.0		ug/L			07/30/11 19:49	1
Isobutyl alcohol	<40		40		ug/L			07/30/11 19:49	1
Methacrylonitrile	<20		20		ug/L			07/30/11 19:49	1
Methylene Chloride	<5.0		5.0		ug/L			07/30/11 19:49	1
Methyl methacrylate	<1.0		1.0		ug/L			07/30/11 19:49	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/30/11 19:49	1
Pentachloroethane	<5.0		5.0		ug/L			07/30/11 19:49	1
Propionitrile	<20		20		ug/L			07/30/11 19:49	1
Styrene	<1.0		1.0		ug/L			07/30/11 19:49	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 19:49	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 19:49	1
Tetrachloroethene	<1.0		1.0		ug/L			07/30/11 19:49	1
Toluene	<1.0		1.0		ug/L			07/30/11 19:49	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/30/11 19:49	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/30/11 19:49	1
Trichloroethene	<1.0		1.0		ug/L			07/30/11 19:49	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW03-072711

Lab Sample ID: 680-70818-10

Date Collected: 07/27/11 13:40

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/30/11 19:49	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/30/11 19:49	1
Vinyl acetate	<2.0		2.0		ug/L			07/30/11 19:49	1
Vinyl chloride	<1.0		1.0		ug/L			07/30/11 19:49	1
Xylenes, Total	<2.0		2.0		ug/L			07/30/11 19:49	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		07/30/11 19:49	1
Dibromofluoromethane	104		70 - 130		07/30/11 19:49	1
Toluene-d8 (Surr)	100		70 - 130		07/30/11 19:49	1

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Client Sample ID: ASH-DUP-072711

Lab Sample ID: 680-70818-11

Date Collected: 07/27/11 00:00

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/30/11 21:18	1
Acetonitrile	<40		40		ug/L			07/30/11 21:18	1
Acrolein	<20		20		ug/L			07/30/11 21:18	1
Acrylonitrile	<20		20		ug/L			07/30/11 21:18	1
Benzene	<1.0		1.0		ug/L			07/30/11 21:18	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/30/11 21:18	1
Bromoform	<1.0		1.0		ug/L			07/30/11 21:18	1
Bromomethane	<1.0		1.0		ug/L			07/30/11 21:18	1
2-Butanone (MEK)	<10		10		ug/L			07/30/11 21:18	1
Carbon disulfide	<2.0		2.0		ug/L			07/30/11 21:18	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/30/11 21:18	1
Chlorobenzene	<1.0		1.0		ug/L			07/30/11 21:18	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/30/11 21:18	1
Chloroethane	<1.0		1.0		ug/L			07/30/11 21:18	1
Chloroform	<1.0		1.0		ug/L			07/30/11 21:18	1
Chloromethane	<1.0		1.0		ug/L			07/30/11 21:18	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/30/11 21:18	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/30/11 21:18	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/30/11 21:18	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/30/11 21:18	1
Dibromomethane	<1.0		1.0		ug/L			07/30/11 21:18	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/30/11 21:18	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/30/11 21:18	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/30/11 21:18	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/30/11 21:18	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 21:18	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 21:18	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/30/11 21:18	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/30/11 21:18	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 21:18	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 21:18	1
Ethylbenzene	<1.0		1.0		ug/L			07/30/11 21:18	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/30/11 21:18	1
2-Hexanone	<10		10		ug/L			07/30/11 21:18	1
Iodomethane	<5.0		5.0		ug/L			07/30/11 21:18	1
Isobutyl alcohol	<40		40		ug/L			07/30/11 21:18	1
Methacrylonitrile	<20		20		ug/L			07/30/11 21:18	1
Methylene Chloride	<5.0		5.0		ug/L			07/30/11 21:18	1
Methyl methacrylate	<1.0		1.0		ug/L			07/30/11 21:18	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/30/11 21:18	1
Pentachloroethane	<5.0		5.0		ug/L			07/30/11 21:18	1
Propionitrile	<20		20		ug/L			07/30/11 21:18	1
Styrene	<1.0		1.0		ug/L			07/30/11 21:18	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 21:18	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 21:18	1
Tetrachloroethene	<1.0		1.0		ug/L			07/30/11 21:18	1
Toluene	<1.0		1.0		ug/L			07/30/11 21:18	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/30/11 21:18	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/30/11 21:18	1
Trichloroethene	<1.0		1.0		ug/L			07/30/11 21:18	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-DUP-072711

Lab Sample ID: 680-70818-11

Date Collected: 07/27/11 00:00

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/30/11 21:18	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/30/11 21:18	1
Vinyl acetate	<2.0		2.0		ug/L			07/30/11 21:18	1
Vinyl chloride	<1.0		1.0		ug/L			07/30/11 21:18	1
Xylenes, Total	<2.0		2.0		ug/L			07/30/11 21:18	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		70 - 130		07/30/11 21:18	1
Dibromofluoromethane	106		70 - 130		07/30/11 21:18	1
Toluene-d8 (Surr)	99		70 - 130		07/30/11 21:18	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: Trip Blank 063011

Lab Sample ID: 680-70818-12

Date Collected: 07/27/11 00:00

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/30/11 14:24	1
Acetonitrile	<40		40		ug/L			07/30/11 14:24	1
Acrolein	<20		20		ug/L			07/30/11 14:24	1
Acrylonitrile	<20		20		ug/L			07/30/11 14:24	1
Benzene	<1.0		1.0		ug/L			07/30/11 14:24	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/30/11 14:24	1
Bromoform	<1.0		1.0		ug/L			07/30/11 14:24	1
Bromomethane	<1.0		1.0		ug/L			07/30/11 14:24	1
2-Butanone (MEK)	<10		10		ug/L			07/30/11 14:24	1
Carbon disulfide	<2.0		2.0		ug/L			07/30/11 14:24	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/30/11 14:24	1
Chlorobenzene	<1.0		1.0		ug/L			07/30/11 14:24	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/30/11 14:24	1
Chloroethane	<1.0		1.0		ug/L			07/30/11 14:24	1
Chloroform	<1.0		1.0		ug/L			07/30/11 14:24	1
Chloromethane	<1.0		1.0		ug/L			07/30/11 14:24	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/30/11 14:24	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/30/11 14:24	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/30/11 14:24	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/30/11 14:24	1
Dibromomethane	<1.0		1.0		ug/L			07/30/11 14:24	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/30/11 14:24	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/30/11 14:24	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/30/11 14:24	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/30/11 14:24	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 14:24	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 14:24	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/30/11 14:24	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/30/11 14:24	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 14:24	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 14:24	1
Ethylbenzene	<1.0		1.0		ug/L			07/30/11 14:24	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/30/11 14:24	1
2-Hexanone	<10		10		ug/L			07/30/11 14:24	1
Iodomethane	<5.0		5.0		ug/L			07/30/11 14:24	1
Isobutyl alcohol	<40		40		ug/L			07/30/11 14:24	1
Methacrylonitrile	<20		20		ug/L			07/30/11 14:24	1
Methylene Chloride	<5.0		5.0		ug/L			07/30/11 14:24	1
Methyl methacrylate	<1.0		1.0		ug/L			07/30/11 14:24	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/30/11 14:24	1
Pentachloroethane	<5.0		5.0		ug/L			07/30/11 14:24	1
Propionitrile	<20		20		ug/L			07/30/11 14:24	1
Styrene	<1.0		1.0		ug/L			07/30/11 14:24	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 14:24	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 14:24	1
Tetrachloroethene	<1.0		1.0		ug/L			07/30/11 14:24	1
Toluene	<1.0		1.0		ug/L			07/30/11 14:24	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/30/11 14:24	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/30/11 14:24	1
Trichloroethene	<1.0		1.0		ug/L			07/30/11 14:24	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: Trip Blank 063011

Lab Sample ID: 680-70818-12

Date Collected: 07/27/11 00:00

Matrix: Water

Date Received: 07/28/11 14:09

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/30/11 14:24	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/30/11 14:24	1
Vinyl acetate	<2.0		2.0		ug/L			07/30/11 14:24	1
Vinyl chloride	<1.0		1.0		ug/L			07/30/11 14:24	1
Xylenes, Total	<2.0		2.0		ug/L			07/30/11 14:24	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		07/30/11 14:24	1
Dibromofluoromethane	109		70 - 130		07/30/11 14:24	1
Toluene-d8 (Surr)	98		70 - 130		07/30/11 14:24	1

Surrogate Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (70-130)	DBFM (70-130)	TOL (70-130)
680-70818-1	ASH-MW24-072711	92	106	101
680-70818-2	ASH-MW22-072711	104	105	102
680-70818-2 MS	ASH-MW22-072711	103	110	103
680-70818-2 MSD	ASH-MW22-072711	104	105	96
680-70818-3	ASH-MW18-072711	96	106	100
680-70818-4	ASH-MW20-072711	94	105	102
680-70818-5	ASH-MW12-072711	99	107	99
680-70818-6	ASH-MW02-072711	95	107	98
680-70818-7	ASH-MW04-072711	102	109	100
680-70818-8	ASH-MW11-072711	97	110	104
680-70818-9	ASH-MW10-072711	94	107	99
680-70818-10	ASH-MW03-072711	93	104	100
680-70818-11	ASH-DUP-072711	98	106	99
680-70818-12	Trip Blank 063011	93	109	98
LCS 680-210624/5	Lab Control Sample	107	107	102
LCS 680-210665/8	Lab Control Sample	92	89	92
LCS 680-210908/6	Lab Control Sample	110	110	105
LCSD 680-210624/6	Lab Control Sample Dup	105	102	100
LCSD 680-210665/9	Lab Control Sample Dup	110	109	107
LCSD 680-210908/8	Lab Control Sample Dup	93	90	91
MB 680-210624/8	Method Blank	92	106	100
MB 680-210665/11	Method Blank	103	103	102
MB 680-210908/9	Method Blank	97	108	102

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (38-130)	2FP (25-130)	NBZ (39-130)	PHL (25-130)	TPH (10-143)	TBP (31-141)
680-70818-5	ASH-MW12-072711	74	57	71	46	90	91
680-70818-5 MS	ASH-MW12-072711	79	68	81	74	87	93
680-70818-5 MSD	ASH-MW12-072711	63	50	62	55	82	89
680-70818-6	ASH-MW02-072711	63	58	65	54	80	80
680-70818-6 MS	ASH-MW02-072711	62	52	59	45	65	77
680-70818-6 MSD	ASH-MW02-072711	69	55	69	55	80	87
680-70818-7	ASH-MW04-072711	71	60	67	56	37	88
LCS 680-210688/10-A	Lab Control Sample	85	73	83	81	91	98
LCS 680-210688/16-A	Lab Control Sample	74	67	79	69	91	91
MB 680-210688/9-A	Method Blank	86	78	87	75	101	91

Surrogate Legend

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

PHL = Phenol-d5

Surrogate Summary

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (36-130)	TCX2 (36-130)	DCB1 (40-130)	DCB2 (40-130)
680-70818-5	ASH-MW12-072711	61	60	67	56
680-70818-5 MS	ASH-MW12-072711	64	65	68	55
680-70818-5 MSD	ASH-MW12-072711	55	57	63	51
680-70818-6	ASH-MW02-072711	54	54	26 X	22 X
680-70818-7	ASH-MW04-072711	38	45	11 X	12 X
LCS 680-210403/10-A	Lab Control Sample	70	73	79	67
LCS 680-210403/13-A	Lab Control Sample	73	78	85	75
LCS 680-210403/18-A	Lab Control Sample	68	71	61	49
LCSD 680-210403/17-A	Lab Control Sample Dup	70	67	78	67
LCSD 680-210403/19-A	Lab Control Sample Dup	60	63	67	57
MB 680-210403/9-A	Method Blank	66	68	65	53

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPA1 (52-151)	DCPA2 (52-151)
680-70818-5	ASH-MW12-072711	87	85
680-70818-6	ASH-MW02-072711	87	84
680-70818-7	ASH-MW04-072711	97 p	241 X
LCS 680-210385/11-A	Lab Control Sample	92	98
MB 680-210385/10-A	Method Blank	92	77

Surrogate Legend

DCPA = DCAA

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-210624/8

Matrix: Water

Analysis Batch: 210624

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/30/11 13:55	1
Acetonitrile	<40		40		ug/L			07/30/11 13:55	1
Acrolein	<20		20		ug/L			07/30/11 13:55	1
Acrylonitrile	<20		20		ug/L			07/30/11 13:55	1
Benzene	<1.0		1.0		ug/L			07/30/11 13:55	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/30/11 13:55	1
Bromoform	<1.0		1.0		ug/L			07/30/11 13:55	1
Bromomethane	<1.0		1.0		ug/L			07/30/11 13:55	1
2-Butanone (MEK)	<10		10		ug/L			07/30/11 13:55	1
Carbon disulfide	<2.0		2.0		ug/L			07/30/11 13:55	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/30/11 13:55	1
Chlorobenzene	<1.0		1.0		ug/L			07/30/11 13:55	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/30/11 13:55	1
Chloroethane	<1.0		1.0		ug/L			07/30/11 13:55	1
Chloroform	<1.0		1.0		ug/L			07/30/11 13:55	1
Chloromethane	<1.0		1.0		ug/L			07/30/11 13:55	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/30/11 13:55	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/30/11 13:55	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/30/11 13:55	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/30/11 13:55	1
Dibromomethane	<1.0		1.0		ug/L			07/30/11 13:55	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/30/11 13:55	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/30/11 13:55	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/30/11 13:55	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/30/11 13:55	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 13:55	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 13:55	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/30/11 13:55	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/30/11 13:55	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 13:55	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 13:55	1
Ethylbenzene	<1.0		1.0		ug/L			07/30/11 13:55	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/30/11 13:55	1
2-Hexanone	<10		10		ug/L			07/30/11 13:55	1
Iodomethane	<5.0		5.0		ug/L			07/30/11 13:55	1
Isobutyl alcohol	<40		40		ug/L			07/30/11 13:55	1
Methacrylonitrile	<20		20		ug/L			07/30/11 13:55	1
Methylene Chloride	<5.0		5.0		ug/L			07/30/11 13:55	1
Methyl methacrylate	<1.0		1.0		ug/L			07/30/11 13:55	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/30/11 13:55	1
Pentachloroethane	<5.0		5.0		ug/L			07/30/11 13:55	1
Propionitrile	<20		20		ug/L			07/30/11 13:55	1
Styrene	<1.0		1.0		ug/L			07/30/11 13:55	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 13:55	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 13:55	1
Tetrachloroethene	<1.0		1.0		ug/L			07/30/11 13:55	1
Toluene	<1.0		1.0		ug/L			07/30/11 13:55	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/30/11 13:55	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/30/11 13:55	1

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210624/8

Matrix: Water

Analysis Batch: 210624

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<1.0		1.0		ug/L			07/30/11 13:55	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/30/11 13:55	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/30/11 13:55	1
Vinyl acetate	<2.0		2.0		ug/L			07/30/11 13:55	1
Vinyl chloride	<1.0		1.0		ug/L			07/30/11 13:55	1
Xylenes, Total	<2.0		2.0		ug/L			07/30/11 13:55	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		70 - 130		07/30/11 13:55	1
Dibromofluoromethane	106		70 - 130		07/30/11 13:55	1
Toluene-d8 (Surr)	100		70 - 130		07/30/11 13:55	1

Lab Sample ID: LCS 680-210624/5

Matrix: Water

Analysis Batch: 210624

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	126		ug/L		126	26 - 180
Benzene	50.0	49.6		ug/L		99	70 - 130
Dichlorobromomethane	50.0	44.9		ug/L		90	70 - 130
Bromoform	50.0	37.3		ug/L		75	70 - 130
Bromomethane	50.0	41.7		ug/L		83	23 - 165
2-Butanone (MEK)	100	105		ug/L		105	49 - 172
Carbon disulfide	50.0	47.2		ug/L		94	54 - 132
Carbon tetrachloride	50.0	39.2		ug/L		78	70 - 130
Chlorobenzene	50.0	52.8		ug/L		106	70 - 130
Chloroethane	50.0	48.3		ug/L		97	56 - 152
Chloroform	50.0	50.9		ug/L		102	70 - 130
Chloromethane	50.0	57.0		ug/L		114	70 - 130
Chlorodibromomethane	50.0	41.4		ug/L		83	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	36.4		ug/L		73	70 - 130
Ethylene Dibromide	50.0	50.8		ug/L		102	70 - 130
Dibromomethane	50.0	50.6		ug/L		101	70 - 130
Dichlorodifluoromethane	50.0	54.6		ug/L		109	44 - 146
1,1-Dichloroethane	50.0	49.1		ug/L		98	70 - 130
1,2-Dichloroethane	50.0	49.7		ug/L		99	70 - 130
cis-1,2-Dichloroethene	50.0	52.1		ug/L		104	70 - 130
trans-1,2-Dichloroethene	50.0	51.9		ug/L		104	70 - 130
1,1-Dichloroethene	50.0	52.9		ug/L		106	66 - 131
1,2-Dichloropropane	50.0	48.3		ug/L		97	70 - 130
cis-1,3-Dichloropropene	50.0	45.0		ug/L		90	70 - 130
trans-1,3-Dichloropropene	50.0	44.0		ug/L		88	70 - 130
Ethylbenzene	50.0	51.1		ug/L		102	70 - 130
2-Hexanone	100	111		ug/L		111	42 - 185
Methylene Chloride	50.0	52.7		ug/L		105	67 - 130
4-Methyl-2-pentanone (MIBK)	100	94.9		ug/L		95	70 - 130
Styrene	50.0	55.0		ug/L		110	70 - 130
1,1,1,2-Tetrachloroethane	50.0	44.5		ug/L		89	70 - 130
1,1,2,2-Tetrachloroethane	50.0	52.1		ug/L		104	70 - 130

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210624/5

Matrix: Water

Analysis Batch: 210624

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Tetrachloroethene	50.0	53.9		ug/L		108	70 - 130
Toluene	50.0	49.5		ug/L		99	70 - 130
1,1,1-Trichloroethane	50.0	46.4		ug/L		93	70 - 130
1,1,2-Trichloroethane	50.0	49.9		ug/L		100	70 - 130
Trichloroethene	50.0	52.2		ug/L		104	70 - 130
Trichlorofluoromethane	50.0	53.1		ug/L		106	55 - 156
1,2,3-Trichloropropane	50.0	52.8		ug/L		106	70 - 130
Vinyl acetate	100	91.4		ug/L		91	60 - 176
Vinyl chloride	50.0	53.6		ug/L		107	67 - 134
Xylenes, Total	150	159		ug/L		106	70 - 130

Surrogate	LCS % Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	107		70 - 130
Dibromofluoromethane	107		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: LCSD 680-210624/6

Matrix: Water

Analysis Batch: 210624

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	100	121		ug/L		121	26 - 180	4	50
Benzene	50.0	48.4		ug/L		97	70 - 130	2	30
Dichlorobromomethane	50.0	45.2		ug/L		90	70 - 130	0	30
Bromoform	50.0	38.2		ug/L		76	70 - 130	2	30
Bromomethane	50.0	35.1		ug/L		70	23 - 165	17	50
2-Butanone (MEK)	100	104		ug/L		104	49 - 172	2	30
Carbon disulfide	50.0	45.0		ug/L		90	54 - 132	5	30
Carbon tetrachloride	50.0	39.4		ug/L		79	70 - 130	1	30
Chlorobenzene	50.0	52.1		ug/L		104	70 - 130	1	30
Chloroethane	50.0	45.7		ug/L		91	56 - 152	5	40
Chloroform	50.0	49.0		ug/L		98	70 - 130	4	30
Chloromethane	50.0	53.5		ug/L		107	70 - 130	6	30
Chlorodibromomethane	50.0	41.4		ug/L		83	70 - 130	0	50
1,2-Dibromo-3-Chloropropane	50.0	38.3		ug/L		77	70 - 130	5	50
Ethylene Dibromide	50.0	50.7		ug/L		101	70 - 130	0	30
Dibromomethane	50.0	50.5		ug/L		101	70 - 130	0	30
Dichlorodifluoromethane	50.0	52.8		ug/L		106	44 - 146	3	50
1,1-Dichloroethane	50.0	47.9		ug/L		96	70 - 130	2	30
1,2-Dichloroethane	50.0	49.6		ug/L		99	70 - 130	0	30
cis-1,2-Dichloroethane	50.0	49.6		ug/L		99	70 - 130	5	30
trans-1,2-Dichloroethane	50.0	49.4		ug/L		99	70 - 130	5	30
1,1-Dichloroethene	50.0	51.8		ug/L		104	66 - 131	2	30
1,2-Dichloropropane	50.0	48.5		ug/L		97	70 - 130	1	30
cis-1,3-Dichloropropene	50.0	44.2		ug/L		88	70 - 130	2	30
trans-1,3-Dichloropropene	50.0	44.2		ug/L		88	70 - 130	0	50
Ethylbenzene	50.0	49.4		ug/L		99	70 - 130	3	30
2-Hexanone	100	114		ug/L		114	42 - 185	2	30
Methylene Chloride	50.0	50.1		ug/L		100	67 - 130	5	30

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-210624/6

Matrix: Water

Analysis Batch: 210624

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	100	96.3		ug/L		96	70 - 130	1	30
Styrene	50.0	53.5		ug/L		107	70 - 130	3	30
1,1,1,2-Tetrachloroethane	50.0	44.5		ug/L		89	70 - 130	0	30
1,1,2,2-Tetrachloroethane	50.0	51.3		ug/L		103	70 - 130	2	30
Tetrachloroethene	50.0	53.3		ug/L		107	70 - 130	1	30
Toluene	50.0	48.3		ug/L		97	70 - 130	3	30
1,1,1-Trichloroethane	50.0	45.5		ug/L		91	70 - 130	2	30
1,1,2-Trichloroethane	50.0	50.3		ug/L		101	70 - 130	1	30
Trichloroethene	50.0	50.6		ug/L		101	70 - 130	3	30
Trichlorofluoromethane	50.0	50.9		ug/L		102	55 - 156	4	30
1,2,3-Trichloropropane	50.0	53.5		ug/L		107	70 - 130	1	30
Vinyl acetate	100	93.5		ug/L		93	60 - 176	2	30
Vinyl chloride	50.0	51.8		ug/L		104	67 - 134	3	30
Xylenes, Total	150	154		ug/L		103	70 - 130	3	30

Surrogate	LCSD % Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene	105		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: MB 680-210665/11

Matrix: Water

Analysis Batch: 210665

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/30/11 14:10	1
Acetonitrile	<40		40		ug/L			07/30/11 14:10	1
Acrolein	<20		20		ug/L			07/30/11 14:10	1
Acrylonitrile	<20		20		ug/L			07/30/11 14:10	1
Benzene	<1.0		1.0		ug/L			07/30/11 14:10	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/30/11 14:10	1
Bromoform	<1.0		1.0		ug/L			07/30/11 14:10	1
Bromomethane	<1.0		1.0		ug/L			07/30/11 14:10	1
2-Butanone (MEK)	<10		10		ug/L			07/30/11 14:10	1
Carbon disulfide	<2.0		2.0		ug/L			07/30/11 14:10	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/30/11 14:10	1
Chlorobenzene	<1.0		1.0		ug/L			07/30/11 14:10	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/30/11 14:10	1
Chloroethane	<1.0		1.0		ug/L			07/30/11 14:10	1
Chloroform	<1.0		1.0		ug/L			07/30/11 14:10	1
Chloromethane	<1.0		1.0		ug/L			07/30/11 14:10	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/30/11 14:10	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/30/11 14:10	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/30/11 14:10	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/30/11 14:10	1
Dibromomethane	<1.0		1.0		ug/L			07/30/11 14:10	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/30/11 14:10	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/30/11 14:10	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/30/11 14:10	1

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210665/11

Matrix: Water

Analysis Batch: 210665

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<1.0		1.0		ug/L			07/30/11 14:10	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 14:10	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/30/11 14:10	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/30/11 14:10	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/30/11 14:10	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 14:10	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/30/11 14:10	1
Ethylbenzene	<1.0		1.0		ug/L			07/30/11 14:10	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/30/11 14:10	1
2-Hexanone	<10		10		ug/L			07/30/11 14:10	1
Iodomethane	<5.0		5.0		ug/L			07/30/11 14:10	1
Isobutyl alcohol	<40		40		ug/L			07/30/11 14:10	1
Methacrylonitrile	<20		20		ug/L			07/30/11 14:10	1
Methylene Chloride	<5.0		5.0		ug/L			07/30/11 14:10	1
Methyl methacrylate	<1.0		1.0		ug/L			07/30/11 14:10	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/30/11 14:10	1
Pentachloroethane	<5.0		5.0		ug/L			07/30/11 14:10	1
Propionitrile	<20		20		ug/L			07/30/11 14:10	1
Styrene	<1.0		1.0		ug/L			07/30/11 14:10	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 14:10	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/30/11 14:10	1
Tetrachloroethene	<1.0		1.0		ug/L			07/30/11 14:10	1
Toluene	<1.0		1.0		ug/L			07/30/11 14:10	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/30/11 14:10	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/30/11 14:10	1
Trichloroethene	<1.0		1.0		ug/L			07/30/11 14:10	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/30/11 14:10	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/30/11 14:10	1
Vinyl acetate	<2.0		2.0		ug/L			07/30/11 14:10	1
Vinyl chloride	<1.0		1.0		ug/L			07/30/11 14:10	1
Xylenes, Total	<2.0		2.0		ug/L			07/30/11 14:10	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		70 - 130		07/30/11 14:10	1
Dibromofluoromethane	103		70 - 130		07/30/11 14:10	1
Toluene-d8 (Surr)	102		70 - 130		07/30/11 14:10	1

Lab Sample ID: LCS 680-210665/8

Matrix: Water

Analysis Batch: 210665

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	118		ug/L		118	26 - 180
Benzene	50.0	43.6		ug/L		87	70 - 130
Dichlorobromomethane	50.0	38.7		ug/L		77	70 - 130
Bromoform	50.0	30.6	*	ug/L		61	70 - 130
Bromomethane	50.0	38.4		ug/L		77	23 - 165
2-Butanone (MEK)	100	101		ug/L		101	49 - 172
Carbon disulfide	50.0	44.4		ug/L		89	54 - 132

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210665/8

Matrix: Water

Analysis Batch: 210665

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Carbon tetrachloride	50.0	31.7	*	ug/L		63	70 - 130
Chlorobenzene	50.0	47.2		ug/L		94	70 - 130
Chloroethane	50.0	47.2		ug/L		94	56 - 152
Chloroform	50.0	43.4		ug/L		87	70 - 130
Chloromethane	50.0	53.9		ug/L		108	70 - 130
Chlorodibromomethane	50.0	34.5	*	ug/L		69	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	40.3		ug/L		81	70 - 130
Ethylene Dibromide	50.0	45.9		ug/L		92	70 - 130
Dibromomethane	50.0	43.8		ug/L		88	70 - 130
Dichlorodifluoromethane	50.0	49.1		ug/L		98	44 - 146
1,1-Dichloroethane	50.0	41.8		ug/L		84	70 - 130
1,2-Dichloroethane	50.0	42.5		ug/L		85	70 - 130
cis-1,2-Dichloroethene	50.0	43.3		ug/L		87	70 - 130
trans-1,2-Dichloroethene	50.0	43.0		ug/L		86	70 - 130
1,1-Dichloroethene	50.0	43.6		ug/L		87	66 - 131
1,2-Dichloropropane	50.0	42.2		ug/L		84	70 - 130
cis-1,3-Dichloropropene	50.0	39.6		ug/L		79	70 - 130
trans-1,3-Dichloropropene	50.0	39.7		ug/L		79	70 - 130
Ethylbenzene	50.0	43.8		ug/L		88	70 - 130
2-Hexanone	100	93.7		ug/L		94	42 - 185
Methylene Chloride	50.0	46.1		ug/L		92	67 - 130
4-Methyl-2-pentanone (MIBK)	100	88.3		ug/L		88	70 - 130
Styrene	50.0	46.5		ug/L		93	70 - 130
1,1,1,2-Tetrachloroethane	50.0	37.4		ug/L		75	70 - 130
1,1,2,2-Tetrachloroethane	50.0	46.4		ug/L		93	70 - 130
Tetrachloroethene	50.0	45.1		ug/L		90	70 - 130
Toluene	50.0	44.2		ug/L		88	70 - 130
1,1,1-Trichloroethane	50.0	39.8		ug/L		80	70 - 130
1,1,2-Trichloroethane	50.0	44.6		ug/L		89	70 - 130
Trichloroethene	50.0	43.6		ug/L		87	70 - 130
Trichlorofluoromethane	50.0	46.0		ug/L		92	55 - 156
1,2,3-Trichloropropane	50.0	47.1		ug/L		94	70 - 130
Vinyl acetate	100	83.2		ug/L		83	60 - 176
Vinyl chloride	50.0	46.8		ug/L		94	67 - 134
Xylenes, Total	150	136		ug/L		90	70 - 130

Surrogate	LCS % Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	92		70 - 130
Dibromofluoromethane	89		70 - 130
Toluene-d8 (Surr)	92		70 - 130

Lab Sample ID: LCSD 680-210665/9

Matrix: Water

Analysis Batch: 210665

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	100	130		ug/L		130	26 - 180	10	50
Benzene	50.0	50.6		ug/L		101	70 - 130	15	30
Dichlorobromomethane	50.0	47.4		ug/L		95	70 - 130	20	30

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-210665/9

Matrix: Water

Analysis Batch: 210665

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD	Limit
							Limits			
Bromoform	50.0	40.6		ug/L		81	70 - 130		28	30
Bromomethane	50.0	42.3		ug/L		85	23 - 165		10	50
2-Butanone (MEK)	100	120		ug/L		120	49 - 172		17	30
Carbon disulfide	50.0	51.4		ug/L		103	54 - 132		15	30
Carbon tetrachloride	50.0	39.5		ug/L		79	70 - 130		22	30
Chlorobenzene	50.0	56.4		ug/L		113	70 - 130		18	30
Chloroethane	50.0	55.3		ug/L		111	56 - 152		16	40
Chloroform	50.0	52.7		ug/L		105	70 - 130		19	30
Chloromethane	50.0	62.6		ug/L		125	70 - 130		15	30
Chlorodibromomethane	50.0	45.6		ug/L		91	70 - 130		28	50
1,2-Dibromo-3-Chloropropane	50.0	50.1		ug/L		100	70 - 130		22	50
Ethylene Dibromide	50.0	54.8		ug/L		110	70 - 130		18	30
Dibromomethane	50.0	53.6		ug/L		107	70 - 130		20	30
Dichlorodifluoromethane	50.0	55.3		ug/L		111	44 - 146		12	50
1,1-Dichloroethane	50.0	51.1		ug/L		102	70 - 130		20	30
1,2-Dichloroethane	50.0	49.8		ug/L		100	70 - 130		16	30
cis-1,2-Dichloroethene	50.0	52.2		ug/L		104	70 - 130		19	30
trans-1,2-Dichloroethene	50.0	51.4		ug/L		103	70 - 130		18	30
1,1-Dichloroethene	50.0	53.1		ug/L		106	66 - 131		20	30
1,2-Dichloropropane	50.0	50.9		ug/L		102	70 - 130		19	30
cis-1,3-Dichloropropene	50.0	48.4		ug/L		97	70 - 130		20	30
trans-1,3-Dichloropropene	50.0	47.9		ug/L		96	70 - 130		19	50
Ethylbenzene	50.0	53.6		ug/L		107	70 - 130		20	30
2-Hexanone	100	113		ug/L		113	42 - 185		19	30
Methylene Chloride	50.0	52.9		ug/L		106	67 - 130		14	30
4-Methyl-2-pentanone (MIBK)	100	101		ug/L		101	70 - 130		14	30
Styrene	50.0	55.7		ug/L		111	70 - 130		18	30
1,1,1,2-Tetrachloroethane	50.0	48.6		ug/L		97	70 - 130		26	30
1,1,2,2-Tetrachloroethane	50.0	54.8		ug/L		110	70 - 130		17	30
Tetrachloroethene	50.0	57.0		ug/L		114	70 - 130		23	30
Toluene	50.0	50.5		ug/L		101	70 - 130		13	30
1,1,1-Trichloroethane	50.0	48.0		ug/L		96	70 - 130		19	30
1,1,2-Trichloroethane	50.0	52.2		ug/L		104	70 - 130		16	30
Trichloroethene	50.0	53.1		ug/L		106	70 - 130		20	30
Trichlorofluoromethane	50.0	55.8		ug/L		112	55 - 156		19	30
1,2,3-Trichloropropane	50.0	55.4		ug/L		111	70 - 130		16	30
Vinyl acetate	100	98.7		ug/L		99	60 - 176		17	30
Vinyl chloride	50.0	54.6		ug/L		109	67 - 134		15	30
Xylenes, Total	150	165		ug/L		110	70 - 130		20	30

Surrogate	LCSD		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	110		70 - 130
Dibromofluoromethane	109		70 - 130
Toluene-d8 (Surr)	107		70 - 130

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210908/9

Matrix: Water

Analysis Batch: 210908

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/01/11 17:25	1
Acetonitrile	<40		40		ug/L			08/01/11 17:25	1
Acrolein	<20		20		ug/L			08/01/11 17:25	1
Acrylonitrile	<20		20		ug/L			08/01/11 17:25	1
Benzene	<1.0		1.0		ug/L			08/01/11 17:25	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/01/11 17:25	1
Bromoform	<1.0		1.0		ug/L			08/01/11 17:25	1
Bromomethane	<1.0		1.0		ug/L			08/01/11 17:25	1
2-Butanone (MEK)	<10		10		ug/L			08/01/11 17:25	1
Carbon disulfide	<2.0		2.0		ug/L			08/01/11 17:25	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/01/11 17:25	1
Chlorobenzene	<1.0		1.0		ug/L			08/01/11 17:25	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/01/11 17:25	1
Chloroethane	<1.0		1.0		ug/L			08/01/11 17:25	1
Chloroform	<1.0		1.0		ug/L			08/01/11 17:25	1
Chloromethane	<1.0		1.0		ug/L			08/01/11 17:25	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/01/11 17:25	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/01/11 17:25	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/01/11 17:25	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/01/11 17:25	1
Dibromomethane	<1.0		1.0		ug/L			08/01/11 17:25	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/01/11 17:25	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/01/11 17:25	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/01/11 17:25	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/01/11 17:25	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/01/11 17:25	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/01/11 17:25	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/01/11 17:25	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/01/11 17:25	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/01/11 17:25	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/01/11 17:25	1
Ethylbenzene	<1.0		1.0		ug/L			08/01/11 17:25	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/01/11 17:25	1
2-Hexanone	<10		10		ug/L			08/01/11 17:25	1
Iodomethane	<5.0		5.0		ug/L			08/01/11 17:25	1
Isobutyl alcohol	<40		40		ug/L			08/01/11 17:25	1
Methacrylonitrile	<20		20		ug/L			08/01/11 17:25	1
Methylene Chloride	<5.0		5.0		ug/L			08/01/11 17:25	1
Methyl methacrylate	<1.0		1.0		ug/L			08/01/11 17:25	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/01/11 17:25	1
Pentachloroethane	<5.0		5.0		ug/L			08/01/11 17:25	1
Propionitrile	<20		20		ug/L			08/01/11 17:25	1
Styrene	<1.0		1.0		ug/L			08/01/11 17:25	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/01/11 17:25	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/01/11 17:25	1
Tetrachloroethene	<1.0		1.0		ug/L			08/01/11 17:25	1
Toluene	<1.0		1.0		ug/L			08/01/11 17:25	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/01/11 17:25	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/01/11 17:25	1

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210908/9

Matrix: Water

Analysis Batch: 210908

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<1.0		1.0		ug/L			08/01/11 17:25	1
Trichlorofluoromethane	<1.0		1.0		ug/L			08/01/11 17:25	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/01/11 17:25	1
Vinyl acetate	<2.0		2.0		ug/L			08/01/11 17:25	1
Vinyl chloride	<1.0		1.0		ug/L			08/01/11 17:25	1
Xylenes, Total	<2.0		2.0		ug/L			08/01/11 17:25	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		70 - 130		08/01/11 17:25	1
Dibromofluoromethane	108		70 - 130		08/01/11 17:25	1
Toluene-d8 (Surr)	102		70 - 130		08/01/11 17:25	1

Lab Sample ID: LCS 680-210908/6

Matrix: Water

Analysis Batch: 210908

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	130		ug/L		130	26 - 180
Benzene	50.0	51.5		ug/L		103	70 - 130
Dichlorobromomethane	50.0	46.6		ug/L		93	70 - 130
Bromoform	50.0	36.0		ug/L		72	70 - 130
Bromomethane	50.0	24.5		ug/L		49	23 - 165
2-Butanone (MEK)	100	117		ug/L		117	49 - 172
Carbon disulfide	50.0	51.0		ug/L		102	54 - 132
Carbon tetrachloride	50.0	40.3		ug/L		81	70 - 130
Chlorobenzene	50.0	54.2		ug/L		108	70 - 130
Chloroethane	50.0	49.4		ug/L		99	56 - 152
Chloroform	50.0	53.7		ug/L		107	70 - 130
Chloromethane	50.0	57.3		ug/L		115	70 - 130
Chlorodibromomethane	50.0	41.8		ug/L		84	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	40.7		ug/L		81	70 - 130
Ethylene Dibromide	50.0	54.1		ug/L		108	70 - 130
Dibromomethane	50.0	54.7		ug/L		109	70 - 130
Dichlorodifluoromethane	50.0	57.1		ug/L		114	44 - 146
1,1-Dichloroethane	50.0	51.5		ug/L		103	70 - 130
1,2-Dichloroethane	50.0	52.5		ug/L		105	70 - 130
cis-1,2-Dichloroethane	50.0	54.1		ug/L		108	70 - 130
trans-1,2-Dichloroethane	50.0	53.7		ug/L		107	70 - 130
1,1,1-Trichloroethane	50.0	55.6		ug/L		111	66 - 131
1,2-Dichloropropane	50.0	51.7		ug/L		103	70 - 130
cis-1,3-Dichloropropene	50.0	47.0		ug/L		94	70 - 130
trans-1,3-Dichloropropene	50.0	46.5		ug/L		93	70 - 130
Ethylbenzene	50.0	51.8		ug/L		104	70 - 130
2-Hexanone	100	121		ug/L		121	42 - 185
Methylene Chloride	50.0	55.9		ug/L		112	67 - 130
4-Methyl-2-pentanone (MIBK)	100	104		ug/L		104	70 - 130
Styrene	50.0	56.3		ug/L		113	70 - 130
1,1,1,2-Tetrachloroethane	50.0	44.4		ug/L		89	70 - 130
1,1,2,2-Tetrachloroethane	50.0	54.1		ug/L		108	70 - 130

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210908/6

Matrix: Water

Analysis Batch: 210908

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Tetrachloroethene	50.0	56.4		ug/L		113	70 - 130
Toluene	50.0	51.5		ug/L		103	70 - 130
1,1,1-Trichloroethane	50.0	48.3		ug/L		97	70 - 130
1,1,2-Trichloroethane	50.0	54.3		ug/L		109	70 - 130
Trichloroethene	50.0	55.1		ug/L		110	70 - 130
Trichlorofluoromethane	50.0	54.9		ug/L		110	55 - 156
1,2,3-Trichloropropane	50.0	56.2		ug/L		112	70 - 130
Vinyl acetate	100	96.3		ug/L		96	60 - 176
Vinyl chloride	50.0	55.9		ug/L		112	67 - 134
Xylenes, Total	150	161		ug/L		107	70 - 130

Surrogate	LCS % Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	110		70 - 130
Dibromofluoromethane	110		70 - 130
Toluene-d8 (Surr)	105		70 - 130

Lab Sample ID: LCSD 680-210908/8

Matrix: Water

Analysis Batch: 210908

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	100	108		ug/L		108	26 - 180	18	50
Benzene	50.0	43.7		ug/L		87	70 - 130	16	30
Dichlorobromomethane	50.0	40.3		ug/L		81	70 - 130	15	30
Bromoform	50.0	32.2	*	ug/L		64	70 - 130	11	30
Bromomethane	50.0	18.5		ug/L		37	23 - 165	28	50
2-Butanone (MEK)	100	100		ug/L		100	49 - 172	16	30
Carbon disulfide	50.0	40.6		ug/L		81	54 - 132	23	30
Carbon tetrachloride	50.0	33.7	*	ug/L		67	70 - 130	18	30
Chlorobenzene	50.0	46.3		ug/L		93	70 - 130	16	30
Chloroethane	50.0	34.6		ug/L		69	56 - 152	35	40
Chloroform	50.0	44.0		ug/L		88	70 - 130	20	30
Chloromethane	50.0	45.7		ug/L		91	70 - 130	23	30
Chlorodibromomethane	50.0	36.9		ug/L		74	70 - 130	12	50
1,2-Dibromo-3-Chloropropane	50.0	35.3		ug/L		71	70 - 130	14	50
Ethylene Dibromide	50.0	49.5		ug/L		99	70 - 130	9	30
Dibromomethane	50.0	47.9		ug/L		96	70 - 130	13	30
Dichlorodifluoromethane	50.0	45.8		ug/L		92	44 - 146	22	50
1,1-Dichloroethane	50.0	42.3		ug/L		85	70 - 130	20	30
1,2-Dichloroethane	50.0	45.8		ug/L		92	70 - 130	14	30
cis-1,2-Dichloroethene	50.0	44.4		ug/L		89	70 - 130	20	30
trans-1,2-Dichloroethene	50.0	43.5		ug/L		87	70 - 130	21	30
1,1-Dichloroethene	50.0	44.7		ug/L		89	66 - 131	22	30
1,2-Dichloropropane	50.0	43.9		ug/L		88	70 - 130	16	30
cis-1,3-Dichloropropene	50.0	42.5		ug/L		85	70 - 130	10	30
trans-1,3-Dichloropropene	50.0	42.2		ug/L		84	70 - 130	10	50
Ethylbenzene	50.0	41.9		ug/L		84	70 - 130	21	30
2-Hexanone	100	109		ug/L		109	42 - 185	10	30
Methylene Chloride	50.0	44.4		ug/L		89	67 - 130	23	30

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-210908/8

Matrix: Water

Analysis Batch: 210908

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	100	94.3		ug/L		94	70 - 130	9	30
Styrene	50.0	47.7		ug/L		95	70 - 130	16	30
1,1,1,2-Tetrachloroethane	50.0	38.9		ug/L		78	70 - 130	13	30
1,1,2,2-Tetrachloroethane	50.0	47.6		ug/L		95	70 - 130	13	30
Tetrachloroethene	50.0	46.0		ug/L		92	70 - 130	20	30
Toluene	50.0	44.3		ug/L		89	70 - 130	15	30
1,1,1-Trichloroethane	50.0	40.2		ug/L		80	70 - 130	18	30
1,1,2-Trichloroethane	50.0	48.7		ug/L		97	70 - 130	11	30
Trichloroethene	50.0	46.2		ug/L		92	70 - 130	18	30
Trichlorofluoromethane	50.0	43.0		ug/L		86	55 - 156	24	30
1,2,3-Trichloropropane	50.0	49.3		ug/L		99	70 - 130	13	30
Vinyl acetate	100	86.7		ug/L		87	60 - 176	11	30
Vinyl chloride	50.0	44.5		ug/L		89	67 - 134	23	30
Xylenes, Total	150	136		ug/L		91	70 - 130	16	30

Surrogate	LCSD % Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene	93		70 - 130
Dibromofluoromethane	90		70 - 130
Toluene-d8 (Surr)	91		70 - 130

Lab Sample ID: 680-70818-2 MS

Matrix: Water

Analysis Batch: 210908

Client Sample ID: ASH-MW22-072711

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	<25		100	104		ug/L		91	26 - 180
Benzene	10		50.0	57.7		ug/L		95	70 - 130
Dichlorobromomethane	<1.0		50.0	41.7		ug/L		83	70 - 130
Bromoform	<1.0	*	50.0	29.5	F	ug/L		59	70 - 130
Bromomethane	<1.0		50.0	23.1		ug/L		46	23 - 165
2-Butanone (MEK)	<10		100	93.9		ug/L		94	49 - 172
Carbon disulfide	<2.0		50.0	49.6		ug/L		99	54 - 132
Carbon tetrachloride	<1.0	*	50.0	34.1	F	ug/L		68	70 - 130
Chlorobenzene	8.7		50.0	60.1		ug/L		103	70 - 130
Chloroethane	<1.0		50.0	50.2		ug/L		100	56 - 152
Chloroform	<1.0		50.0	53.8		ug/L		106	70 - 130
Chloromethane	<1.0		50.0	53.4		ug/L		107	70 - 130
Chlorodibromomethane	<1.0	*	50.0	35.9		ug/L		72	70 - 130
1,2-Dibromo-3-Chloropropane	<1.0		50.0	34.2	F	ug/L		68	70 - 130
Ethylene Dibromide	<1.0		50.0	47.6		ug/L		95	70 - 130
Dibromomethane	<1.0		50.0	50.5		ug/L		101	70 - 130
Dichlorodifluoromethane	<1.0		50.0	54.6		ug/L		109	44 - 146
1,1-Dichloroethane	<1.0		50.0	51.2		ug/L		102	70 - 130
1,2-Dichloroethane	<1.0		50.0	48.4		ug/L		97	70 - 130
cis-1,2-Dichloroethene	<1.0		50.0	53.9		ug/L		108	70 - 130
trans-1,2-Dichloroethene	<1.0		50.0	53.6		ug/L		107	70 - 130
1,1-Dichloroethene	<1.0		50.0	56.7		ug/L		113	66 - 131
1,2-Dichloropropane	<1.0		50.0	49.1		ug/L		98	70 - 130
cis-1,3-Dichloropropene	<1.0		50.0	41.7		ug/L		83	70 - 130

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-70818-2 MS

Matrix: Water

Analysis Batch: 210908

Client Sample ID: ASH-MW22-072711

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
trans-1,3-Dichloropropene	<1.0		50.0	38.6		ug/L		77	70 - 130
Ethylbenzene	<1.0		50.0	50.0		ug/L		99	70 - 130
2-Hexanone	<10		100	103		ug/L		103	42 - 185
Methylene Chloride	<5.0		50.0	53.7		ug/L		107	67 - 130
4-Methyl-2-pentanone (MIBK)	21		100	111		ug/L		91	70 - 130
Styrene	<1.0		50.0	53.7		ug/L		107	70 - 130
1,1,1,2-Tetrachloroethane	<1.0		50.0	39.0		ug/L		78	70 - 130
1,1,2,2-Tetrachloroethane	<1.0		50.0	49.8		ug/L		100	70 - 130
Tetrachloroethene	<1.0		50.0	55.6		ug/L		111	70 - 130
Toluene	1.1		50.0	50.0		ug/L		98	70 - 130
1,1,1-Trichloroethane	<1.0		50.0	44.0		ug/L		88	70 - 130
1,1,2-Trichloroethane	<1.0		50.0	48.8		ug/L		98	70 - 130
Trichloroethene	<1.0		50.0	53.0		ug/L		106	70 - 130
Trichlorofluoromethane	<1.0		50.0	56.9		ug/L		114	55 - 156
1,2,3-Trichloropropane	<1.0		50.0	52.4		ug/L		105	70 - 130
Vinyl acetate	<2.0		100	86.2		ug/L		86	60 - 176
Vinyl chloride	<1.0		50.0	55.2		ug/L		110	67 - 134
Xylenes, Total	<2.0		150	158		ug/L		105	70 - 130

Surrogate	MS % Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	103		70 - 130
Dibromofluoromethane	110		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Lab Sample ID: 680-70818-2 MSD

Matrix: Water

Analysis Batch: 210908

Client Sample ID: ASH-MW22-072711

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	<25		100	112		ug/L		99	26 - 180	7	50
Benzene	10		50.0	57.4		ug/L		95	70 - 130	1	30
Dichlorobromomethane	<1.0		50.0	41.2		ug/L		82	70 - 130	1	30
Bromoform	<1.0	*	50.0	30.7	F	ug/L		61	70 - 130	4	30
Bromomethane	<1.0		50.0	18.5		ug/L		37	23 - 165	23	50
2-Butanone (MEK)	<10		100	91.7		ug/L		92	49 - 172	2	30
Carbon disulfide	<2.0		50.0	47.3		ug/L		95	54 - 132	5	30
Carbon tetrachloride	<1.0	*	50.0	34.3	F	ug/L		69	70 - 130	0	30
Chlorobenzene	8.7		50.0	58.8		ug/L		100	70 - 130	2	30
Chloroethane	<1.0		50.0	43.4		ug/L		87	56 - 152	15	40
Chloroform	<1.0		50.0	52.0		ug/L		103	70 - 130	3	30
Chloromethane	<1.0		50.0	51.9		ug/L		104	70 - 130	3	30
Chlorodibromomethane	<1.0	*	50.0	37.2		ug/L		74	70 - 130	4	50
1,2-Dibromo-3-Chloropropane	<1.0		50.0	40.0		ug/L		80	70 - 130	16	50
Ethylene Dibromide	<1.0		50.0	46.8		ug/L		94	70 - 130	2	30
Dibromomethane	<1.0		50.0	49.1		ug/L		98	70 - 130	3	30
Dichlorodifluoromethane	<1.0		50.0	52.0		ug/L		104	44 - 146	5	50
1,1-Dichloroethane	<1.0		50.0	49.4		ug/L		99	70 - 130	3	30
1,2-Dichloroethane	<1.0		50.0	47.7		ug/L		95	70 - 130	2	30
cis-1,2-Dichloroethene	<1.0		50.0	51.5		ug/L		103	70 - 130	5	30

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-70818-2 MSD

Matrix: Water

Analysis Batch: 210908

Client Sample ID: ASH-MW22-072711

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
trans-1,2-Dichloroethene	<1.0		50.0	50.8		ug/L		102	70 - 130	5	30
1,1-Dichloroethene	<1.0		50.0	54.2		ug/L		108	66 - 131	4	30
1,2-Dichloropropane	<1.0		50.0	48.4		ug/L		97	70 - 130	2	30
cis-1,3-Dichloropropene	<1.0		50.0	31.8	F	ug/L		64	70 - 130	27	30
trans-1,3-Dichloropropene	<1.0		50.0	30.3	F	ug/L		61	70 - 130	24	50
Ethylbenzene	<1.0		50.0	11.8	F	ug/L		23	70 - 130	124	30
2-Hexanone	<10		100	109		ug/L		109	42 - 185	6	30
Methylene Chloride	<5.0		50.0	51.8		ug/L		104	67 - 130	4	30
4-Methyl-2-pentanone (MIBK)	21		100	112		ug/L		92	70 - 130	1	30
Styrene	<1.0		50.0	30.6	F	ug/L		61	70 - 130	55	30
1,1,1,2-Tetrachloroethane	<1.0		50.0	42.0		ug/L		84	70 - 130	7	30
1,1,1,2,2-Tetrachloroethane	<1.0		50.0	52.2		ug/L		104	70 - 130	5	30
Tetrachloroethene	<1.0		50.0	54.6		ug/L		109	70 - 130	2	30
Toluene	1.1		50.0	47.1		ug/L		92	70 - 130	6	30
1,1,1-Trichloroethane	<1.0		50.0	43.6		ug/L		87	70 - 130	1	30
1,1,2-Trichloroethane	<1.0		50.0	47.8		ug/L		96	70 - 130	2	30
Trichloroethene	<1.0		50.0	51.0		ug/L		102	70 - 130	4	30
Trichlorofluoromethane	<1.0		50.0	53.3		ug/L		107	55 - 156	7	30
1,2,3-Trichloropropane	<1.0		50.0	55.4		ug/L		111	70 - 130	6	30
Vinyl acetate	<2.0		100	64.8		ug/L		65	60 - 176	28	30
Vinyl chloride	<1.0		50.0	52.9		ug/L		106	67 - 134	4	30
Xylenes, Total	<2.0		150	157		ug/L		104	70 - 130	0	30

Surrogate	MSD % Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	104		70 - 130
Dibromofluoromethane	105		70 - 130
Toluene-d8 (Surr)	96		70 - 130

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-210688/9-A

Matrix: Water

Analysis Batch: 211110

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Acenaphthylene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Acetophenone	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
2-Acetylaminofluorene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
alpha,alpha-Dimethyl phenethylamine	<2000		2000		ug/L		08/02/11 15:02	08/05/11 12:34	1
4-Aminobiphenyl	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Aniline	<20		20		ug/L		08/02/11 15:02	08/05/11 12:34	1
Anthracene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Aramite, Total	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Benzo[a]anthracene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Benzo[a]pyrene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Benzo[b]fluoranthene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Benzo[g,h,i]perylene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Benzo[k]fluoranthene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210688/9-A

Matrix: Water

Analysis Batch: 211110

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
1,1'-Biphenyl	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Bis(2-chloroethoxy)methane	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Bis(2-chloroethyl)ether	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
bis(chloroisopropyl) ether	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Bis(2-ethylhexyl) phthalate	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
4-Bromophenyl phenyl ether	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Butyl benzyl phthalate	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
4-Chloroaniline	<20		20		ug/L		08/02/11 15:02	08/05/11 12:34	1
4-Chloro-3-methylphenol	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
2-Chloronaphthalene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
2-Chlorophenol	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
4-Chlorophenyl phenyl ether	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Chrysene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Diallylate	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Dibenz(a,h)anthracene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Dibenzofuran	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
1,2-Dichlorobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
1,3-Dichlorobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
1,4-Dichlorobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
3,3'-Dichlorobenzidine	<60		60		ug/L		08/02/11 15:02	08/05/11 12:34	1
2,4-Dichlorophenol	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
2,6-Dichlorophenol	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Diethyl phthalate	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Dimethoate	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
7,12-Dimethylbenz(a)anthracene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
3,3'-Dimethylbenzidine	<20		20		ug/L		08/02/11 15:02	08/05/11 12:34	1
2,4-Dimethylphenol	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Dimethyl phthalate	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Di-n-butyl phthalate	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
1,3-Dinitrobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
4,6-Dinitro-2-methylphenol	<50		50		ug/L		08/02/11 15:02	08/05/11 12:34	1
2,4-Dinitrophenol	<50		50		ug/L		08/02/11 15:02	08/05/11 12:34	1
2,4-Dinitrotoluene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
2,6-Dinitrotoluene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Di-n-octyl phthalate	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Dinoseb	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
1,4-Dioxane	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Disulfoton	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Ethyl methanesulfonate	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Ethyl Parathion	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Famphur	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Fluoranthene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Fluorene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Hexachlorobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Hexachlorobutadiene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Hexachlorocyclopentadiene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Hexachloroethane	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Hexachlorophene	<5000		5000		ug/L		08/02/11 15:02	08/05/11 12:34	1
Hexachloropropene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210688/9-A

Matrix: Water

Analysis Batch: 211110

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Isophorone	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Isosafrole	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Methapyrilene	<2000		2000		ug/L		08/02/11 15:02	08/05/11 12:34	1
3-Methylcholanthrene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Methyl methanesulfonate	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
2-Methylnaphthalene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Methyl parathion	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
2-Methylphenol	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
3 & 4 Methylphenol	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Naphthalene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
1,4-Naphthoquinone	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
1-Naphthylamine	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
2-Naphthylamine	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
2-Nitroaniline	<50		50		ug/L		08/02/11 15:02	08/05/11 12:34	1
3-Nitroaniline	<50		50		ug/L		08/02/11 15:02	08/05/11 12:34	1
4-Nitroaniline	<50		50		ug/L		08/02/11 15:02	08/05/11 12:34	1
Nitrobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
2-Nitrophenol	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
4-Nitrophenol	<50		50		ug/L		08/02/11 15:02	08/05/11 12:34	1
4-Nitroquinoline-1-oxide	<20		20		ug/L		08/02/11 15:02	08/05/11 12:34	1
N-Nitro-o-toluidine	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
N-Nitrosodiethylamine	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
N-Nitrosodimethylamine	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
N-Nitrosodi-n-butylamine	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
N-Nitrosodi-n-propylamine	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
N-Nitrosodiphenylamine	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
N-Nitrosomethylethylamine	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
N-Nitrosomorpholine	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
N-Nitrosopiperidine	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
N-Nitrosopyrrolidine	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
o,o',o''-Triethylphosphorothioate	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
p-Dimethylamino azobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Pentachlorobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Pentachloronitrobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Pentachlorophenol	<50		50		ug/L		08/02/11 15:02	08/05/11 12:34	1
Phenacetin	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Phenanthrene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Phenol	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Phorate	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
2-Picoline	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
p-Phenylene diamine	<2000		2000		ug/L		08/02/11 15:02	08/05/11 12:34	1
Pronamide	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Pyrene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Pyridine	<50		50		ug/L		08/02/11 15:02	08/05/11 12:34	1
Safrole, Total	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Sulfotep	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
1,2,4,5-Tetrachlorobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
2,3,4,6-Tetrachlorophenol	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Thionazin	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210688/9-A

Matrix: Water

Analysis Batch: 211110

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Toluidine	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
1,2,4-Trichlorobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
2,4,5-Trichlorophenol	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
2,4,6-Trichlorophenol	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
1,3,5-Trinitrobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	86		38 - 130	08/02/11 15:02	08/05/11 12:34	1
2-Fluorophenol	78		25 - 130	08/02/11 15:02	08/05/11 12:34	1
Nitrobenzene-d5	87		39 - 130	08/02/11 15:02	08/05/11 12:34	1
Phenol-d5	75		25 - 130	08/02/11 15:02	08/05/11 12:34	1
Terphenyl-d14	101		10 - 143	08/02/11 15:02	08/05/11 12:34	1
2,4,6-Tribromophenol	91		31 - 141	08/02/11 15:02	08/05/11 12:34	1

Lab Sample ID: LCS 680-210688/10-A

Matrix: Water

Analysis Batch: 210976

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210688

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	100	84.4		ug/L		84	55 - 130
Acenaphthylene	100	88.0		ug/L		88	60 - 130
Acetophenone	100	84.6		ug/L		85	54 - 130
Aniline	100	73.3		ug/L		73	10 - 130
Anthracene	100	89.9		ug/L		90	61 - 130
Benzo[a]anthracene	100	93.5		ug/L		93	58 - 130
Benzo[a]pyrene	100	94.8		ug/L		95	61 - 130
Benzo[b]fluoranthene	100	80.9		ug/L		81	51 - 130
Benzo[g,h,i]perylene	100	85.1		ug/L		85	54 - 130
Benzo[k]fluoranthene	100	86.0		ug/L		86	53 - 130
Benzyl alcohol	100	84.6		ug/L		85	53 - 130
1,1'-Biphenyl	100	91.2		ug/L		91	54 - 130
Bis(2-chloroethoxy)methane	100	94.2		ug/L		94	64 - 130
Bis(2-chloroethyl)ether	100	83.5		ug/L		83	56 - 130
bis(chloroisopropyl) ether	100	86.6		ug/L		87	55 - 130
Bis(2-ethylhexyl) phthalate	100	98.6		ug/L		99	62 - 130
4-Bromophenyl phenyl ether	100	96.0		ug/L		96	61 - 130
Butyl benzyl phthalate	100	102		ug/L		102	66 - 130
4-Chloroaniline	100	73.6		ug/L		74	42 - 130
4-Chloro-3-methylphenol	100	96.5		ug/L		97	60 - 130
2-Chloronaphthalene	100	83.5		ug/L		84	53 - 130
2-Chlorophenol	100	78.7		ug/L		79	57 - 130
4-Chlorophenyl phenyl ether	100	94.9		ug/L		95	57 - 130
Chrysene	100	91.4		ug/L		91	59 - 130
Dibenz(a,h)anthracene	100	88.0		ug/L		88	55 - 130
Dibenzofuran	100	86.9		ug/L		87	58 - 130
1,2-Dichlorobenzene	100	70.4		ug/L		70	43 - 130
1,3-Dichlorobenzene	100	67.7		ug/L		68	41 - 130
1,4-Dichlorobenzene	100	68.5		ug/L		68	43 - 130
3,3'-Dichlorobenzidine	100	72.5		ug/L		72	27 - 130

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210688/10-A

Matrix: Water

Analysis Batch: 210976

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210688

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2,4-Dichlorophenol	100	84.8		ug/L		85	54 - 130
Diethyl phthalate	100	96.7		ug/L		97	70 - 130
2,4-Dimethylphenol	100	75.5		ug/L		76	40 - 130
Dimethyl phthalate	100	95.7		ug/L		96	69 - 130
Di-n-butyl phthalate	100	103		ug/L		103	66 - 130
4,6-Dinitro-2-methylphenol	100	95.4		ug/L		95	45 - 134
2,4-Dinitrophenol	100	109		ug/L		109	20 - 165
2,4-Dinitrotoluene	100	87.5		ug/L		87	63 - 130
2,6-Dinitrotoluene	100	97.9		ug/L		98	65 - 130
Di-n-octyl phthalate	100	103		ug/L		103	64 - 130
1,4-Dioxane	100	55.2		ug/L		55	35 - 130
Fluoranthene	100	93.6		ug/L		94	56 - 130
Fluorene	100	89.0		ug/L		89	61 - 130
Hexachlorobenzene	100	83.8		ug/L		84	52 - 130
Hexachlorobutadiene	100	79.2		ug/L		79	36 - 130
Hexachlorocyclopentadiene	100	29.4		ug/L		29	10 - 130
Hexachloroethane	100	64.2		ug/L		64	39 - 130
Indeno[1,2,3-cd]pyrene	100	104		ug/L		104	47 - 130
Isophorone	100	83.1		ug/L		83	59 - 130
2-Methylnaphthalene	100	87.1		ug/L		87	52 - 130
2-Methylphenol	100	82.4		ug/L		82	55 - 130
3 & 4 Methylphenol	100	84.4		ug/L		84	35 - 130
Naphthalene	100	80.0		ug/L		80	50 - 130
2-Nitroaniline	100	83.8		ug/L		84	60 - 130
3-Nitroaniline	100	85.3		ug/L		85	54 - 130
4-Nitroaniline	100	89.8		ug/L		90	54 - 130
Nitrobenzene	100	80.9		ug/L		81	56 - 130
2-Nitrophenol	100	90.9		ug/L		91	54 - 130
4-Nitrophenol	100	92.0		ug/L		92	38 - 130
N-Nitrosodimethylamine	100	75.9		ug/L		76	54 - 130
N-Nitrosodi-n-propylamine	100	92.0		ug/L		92	64 - 130
N-Nitrosodiphenylamine	100	90.6		ug/L		91	68 - 130
Pentachlorophenol	100	95.8		ug/L		96	42 - 138
Phenanthrene	100	91.9		ug/L		92	62 - 130
Phenol	100	80.1		ug/L		80	29 - 130
Pyrene	100	97.1		ug/L		97	60 - 130
Pyridine	100	61.5		ug/L		61	10 - 130
1,2,4-Trichlorobenzene	100	74.0		ug/L		74	42 - 130
2,4,5-Trichlorophenol	100	94.1		ug/L		94	61 - 130
2,4,6-Trichlorophenol	100	87.6		ug/L		88	57 - 130

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
2-Fluorobiphenyl	85		38 - 130
2-Fluorophenol	73		25 - 130
Nitrobenzene-d5	83		39 - 130
Phenol-d5	81		25 - 130
Terphenyl-d14	91		10 - 143
2,4,6-Tribromophenol	98		31 - 141

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210688/16-A

Matrix: Water

Analysis Batch: 211110

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210688

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2-Acetylaminofluorene	100	110		ug/L		110	63 - 130
alpha,alpha-Dimethyl phenethylamine	100	<2000		ug/L		190	10 - 200
4-Aminobiphenyl	100	25.8		ug/L		26	10 - 130
Aramite, Total	100	123		ug/L		123	12 - 181
Diallate	100	65.8		ug/L		66	45 - 130
2,6-Dichlorophenol	100	95.8		ug/L		96	55 - 130
Dimethoate	100	40.6	*	ug/L		41	64 - 130
7,12-Dimethylbenz(a)anthracene	100	83.3		ug/L		83	57 - 130
3,3'-Dimethylbenzidine	250	137		ug/L		55	10 - 130
1,3-Dinitrobenzene	100	92.9		ug/L		93	61 - 130
Dinoseb	100	91.8		ug/L		92	70 - 138
Disulfoton	100	60.5	*	ug/L		60	65 - 130
Ethyl methanesulfonate	100	51.5		ug/L		51	10 - 156
Ethyl Parathion	100	94.9		ug/L		95	67 - 153
Famphur	100	<10	*	ug/L		8	10 - 130
Hexachlorophene	500	<5000	E	ug/L		58	10 - 130
Hexachloropropene	100	58.8		ug/L		59	10 - 130
Isosafrole	100	100		ug/L		100	54 - 130
Methapyrilene	500	<2000	E	ug/L		59	10 - 155
3-Methylcholanthrene	100	26.2		ug/L		26	10 - 148
Methyl methanesulfonate	100	39.3		ug/L		39	10 - 130
Methyl parathion	100	57.2	*	ug/L		57	65 - 148
1,4-Naphthoquinone	100	17.5		ug/L		17	10 - 132
1-Naphthylamine	100	57.2		ug/L		57	28 - 130
2-Naphthylamine	100	38.9		ug/L		39	10 - 130
4-Nitroquinoline-1-oxide	100	110		ug/L		110	10 - 146
N-Nitro-o-toluidine	100	71.0		ug/L		71	46 - 130
N-Nitrosodiethylamine	100	72.5		ug/L		72	37 - 130
N-Nitrosodi-n-butylamine	100	91.5		ug/L		92	40 - 130
N-Nitrosomethylethylamine	100	67.2		ug/L		67	22 - 130
N-Nitrosomorpholine	100	99.1		ug/L		99	25 - 130
N-Nitrosopiperidine	100	83.5		ug/L		84	55 - 130
N-Nitrosopyrrolidine	100	86.0		ug/L		86	36 - 130
o,o',o''-Triethylphosphorothioate	100	94.7		ug/L		95	18 - 139
p-Dimethylamino azobenzene	100	83.7		ug/L		84	49 - 130
Pentachlorobenzene	100	104		ug/L		104	60 - 130
Pentachloronitrobenzene	100	113		ug/L		113	70 - 130
Phenacetin	100	91.9		ug/L		92	47 - 130
Phorate	100	72.0		ug/L		72	52 - 156
2-Picoline	100	55.1		ug/L		55	10 - 130
p-Phenylene diamine	500	<2000		ug/L		36	10 - 130
Pronamide	100	105		ug/L		105	70 - 130
Safrole, Total	100	101		ug/L		101	54 - 130
Sulfotepp	100	92.4		ug/L		92	65 - 130
1,2,4,5-Tetrachlorobenzene	100	89.2		ug/L		89	51 - 130
2,3,4,6-Tetrachlorophenol	100	115		ug/L		115	64 - 130
Thionazin	100	82.9		ug/L		83	70 - 130
2-Toluidine	100	62.3		ug/L		62	22 - 130
1,3,5-Trinitrobenzene	100	52.4		ug/L		52	21 - 165

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210688/16-A

Matrix: Water

Analysis Batch: 211110

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210688

Surrogate	LCS % Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	74		38 - 130
2-Fluorophenol	67		25 - 130
Nitrobenzene-d5	79		39 - 130
Phenol-d5	69		25 - 130
Terphenyl-d14	91		10 - 143
2,4,6-Tribromophenol	91		31 - 141

Lab Sample ID: 680-70818-5 MS

Matrix: Water

Analysis Batch: 210976

Client Sample ID: ASH-MW12-072711

Prep Type: Total/NA

Prep Batch: 210688

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	<12		99.7	80.1		ug/L		80	55 - 130
Acenaphthylene	<12		99.7	80.6		ug/L		81	60 - 130
Acetophenone	<12		99.7	79.8		ug/L		80	54 - 130
Aniline	<25		99.7	58.6		ug/L		59	10 - 130
Anthracene	<12		99.7	83.5		ug/L		84	61 - 130
Benzo[a]anthracene	<12		99.7	89.7		ug/L		90	58 - 130
Benzo[a]pyrene	<12		99.7	92.2		ug/L		92	61 - 130
Benzo[b]fluoranthene	<12		99.7	79.5		ug/L		80	51 - 130
Benzo[g,h,i]perylene	<12		99.7	83.8		ug/L		84	54 - 130
Benzo[k]fluoranthene	<12		99.7	84.9		ug/L		85	53 - 130
Benzyl alcohol	<12		99.7	78.0		ug/L		78	53 - 130
1,1'-Biphenyl	<12		99.7	84.5		ug/L		85	54 - 130
Bis(2-chloroethoxy)methane	<12		99.7	84.7		ug/L		85	64 - 130
Bis(2-chloroethyl)ether	<12		99.7	80.0		ug/L		80	56 - 130
bis(chloroisopropyl) ether	<12		99.7	81.5		ug/L		82	55 - 130
Bis(2-ethylhexyl) phthalate	<12		99.7	95.2		ug/L		96	62 - 130
4-Bromophenyl phenyl ether	<12		99.7	89.0		ug/L		89	61 - 130
Butyl benzyl phthalate	<12		99.7	97.4		ug/L		98	66 - 130
4-Chloroaniline	<25		99.7	36.7	F	ug/L		37	42 - 130
4-Chloro-3-methylphenol	<12		99.7	90.1		ug/L		90	60 - 130
2-Chloronaphthalene	<12		99.7	76.8		ug/L		77	53 - 130
2-Chlorophenol	<12		99.7	74.7		ug/L		75	57 - 130
4-Chlorophenyl phenyl ether	<12		99.7	87.3		ug/L		88	57 - 130
Chrysene	<12		99.7	89.4		ug/L		90	59 - 130
Dibenz(a,h)anthracene	<12		99.7	86.9		ug/L		87	55 - 130
Dibenzofuran	<12		99.7	80.5		ug/L		81	58 - 130
1,2-Dichlorobenzene	<12		99.7	62.5		ug/L		63	43 - 130
1,3-Dichlorobenzene	<12		99.7	59.5		ug/L		60	41 - 130
1,4-Dichlorobenzene	<12		99.7	60.6		ug/L		61	43 - 130
3,3'-Dichlorobenzidine	<75		99.7	<60	F	ug/L		0	27 - 130
2,4-Dichlorophenol	<12		99.7	80.4		ug/L		81	54 - 130
Diethyl phthalate	<12		99.7	89.2		ug/L		89	70 - 130
2,4-Dimethylphenol	<12		99.7	79.0		ug/L		79	40 - 130
Dimethyl phthalate	<12		99.7	87.6		ug/L		88	69 - 130
Di-n-butyl phthalate	<12		99.7	96.8		ug/L		97	66 - 130
4,6-Dinitro-2-methylphenol	<62		99.7	97.2		ug/L		97	45 - 134
2,4-Dinitrophenol	<62		99.7	114		ug/L		114	20 - 165

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-70818-5 MS

Matrix: Water

Analysis Batch: 210976

Client Sample ID: ASH-MW12-072711

Prep Type: Total/NA

Prep Batch: 210688

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
2,4-Dinitrotoluene	<12		99.7	83.7		ug/L		84	63 - 130
2,6-Dinitrotoluene	<12		99.7	92.5		ug/L		93	65 - 130
Di-n-octyl phthalate	<12		99.7	98.4		ug/L		99	64 - 130
1,4-Dioxane	<12		99.7	53.0		ug/L		53	35 - 130
Fluoranthene	<12		99.7	87.8		ug/L		88	56 - 130
Fluorene	<12		99.7	82.1		ug/L		82	61 - 130
Hexachlorobenzene	<12		99.7	78.5		ug/L		79	52 - 130
Hexachlorobutadiene	<12		99.7	68.3		ug/L		68	36 - 130
Hexachlorocyclopentadiene	<12		99.7	26.4		ug/L		26	10 - 130
Hexachloroethane	<12		99.7	56.2		ug/L		56	39 - 130
Indeno[1,2,3-cd]pyrene	<12		99.7	101		ug/L		101	47 - 130
Isophorone	<12		99.7	77.0		ug/L		77	59 - 130
2-Methylnaphthalene	<12		99.7	78.8		ug/L		79	52 - 130
2-Methylphenol	<12		99.7	79.6		ug/L		80	55 - 130
3 & 4 Methylphenol	<12		99.7	81.2		ug/L		81	35 - 130
Naphthalene	<12		99.7	73.6		ug/L		74	50 - 130
2-Nitroaniline	<62		99.7	76.9		ug/L		77	60 - 130
3-Nitroaniline	<62		99.7	<50	F	ug/L		47	54 - 130
4-Nitroaniline	<62		99.7	63.7		ug/L		64	54 - 130
Nitrobenzene	<12		99.7	78.5		ug/L		79	56 - 130
2-Nitrophenol	<12		99.7	87.0		ug/L		87	54 - 130
4-Nitrophenol	<62		99.7	87.5		ug/L		88	38 - 130
N-Nitrosodimethylamine	<12		99.7	73.6		ug/L		74	54 - 130
N-Nitrosodi-n-propylamine	<12		99.7	86.4		ug/L		87	64 - 130
N-Nitrosodiphenylamine	<12		99.7	76.3		ug/L		77	68 - 130
Pentachlorophenol	<62		99.7	94.2		ug/L		94	42 - 138
Phenanthrene	<12		99.7	85.8		ug/L		86	62 - 130
Phenol	<12		99.7	73.0		ug/L		73	29 - 130
Pyrene	<12		99.7	93.5		ug/L		94	60 - 130
Pyridine	<62		99.7	55.9		ug/L		56	10 - 130
1,2,4-Trichlorobenzene	<12		99.7	65.9		ug/L		66	42 - 130
2,4,5-Trichlorophenol	<12		99.7	87.9		ug/L		88	61 - 130
2,4,6-Trichlorophenol	<12		99.7	84.2		ug/L		84	57 - 130

Surrogate	MS % Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	79		38 - 130
2-Fluorophenol	68		25 - 130
Nitrobenzene-d5	81		39 - 130
Phenol-d5	74		25 - 130
Terphenyl-d14	87		10 - 143
2,4,6-Tribromophenol	93		31 - 141

Lab Sample ID: 680-70818-5 MSD

Matrix: Water

Analysis Batch: 210976

Client Sample ID: ASH-MW12-072711

Prep Type: Total/NA

Prep Batch: 210688

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	Limit
Acenaphthene	<12		112	74.2		ug/L		66	55 - 130	8	50
Acenaphthylene	<12		112	67.5		ug/L		60	60 - 130	18	50

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-70818-5 MSD

Matrix: Water

Analysis Batch: 210976

Client Sample ID: ASH-MW12-072711

Prep Type: Total/NA

Prep Batch: 210688

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Acetophenone	<12		112	67.5		ug/L		60	54 - 130	17	50	
Aniline	<25		112	54.7		ug/L		49	10 - 130	7	50	
Anthracene	<12		112	85.5		ug/L		77	61 - 130	2	50	
Benzo[a]anthracene	<12		112	91.4		ug/L		82	58 - 130	2	50	
Benzo[a]pyrene	<12		112	96.0		ug/L		86	61 - 130	4	50	
Benzo[b]fluoranthene	<12		112	90.8		ug/L		81	51 - 130	13	50	
Benzo[g,h,i]perylene	<12		112	89.5		ug/L		80	54 - 130	6	50	
Benzo[k]fluoranthene	<12		112	85.5		ug/L		77	53 - 130	1	50	
Benzyl alcohol	<12		112	62.2		ug/L		56	53 - 130	23	50	
1,1'-Biphenyl	<12		112	76.1		ug/L		68	54 - 130	10	50	
Bis(2-chloroethoxy)methane	<12		112	49.1	F	ug/L		44	64 - 130	53	50	
Bis(2-chloroethyl)ether	<12		112	63.2		ug/L		57	56 - 130	23	50	
bis(chloroisopropyl) ether	<12		112	64.9		ug/L		58	55 - 130	23	50	
Bis(2-ethylhexyl) phthalate	<12		112	97.7		ug/L		87	62 - 130	3	50	
4-Bromophenyl phenyl ether	<12		112	88.6		ug/L		79	61 - 130	0	50	
Butyl benzyl phthalate	<12		112	100		ug/L		90	66 - 130	3	50	
4-Chloroaniline	<25		112	29.0	F	ug/L		26	42 - 130	23	50	
4-Chloro-3-methylphenol	<12		112	87.8		ug/L		79	60 - 130	3	50	
2-Chloronaphthalene	<12		112	68.2		ug/L		61	53 - 130	12	50	
2-Chlorophenol	<12		112	60.2	F	ug/L		54	57 - 130	22	50	
4-Chlorophenyl phenyl ether	<12		112	84.8		ug/L		76	57 - 130	3	50	
Chrysene	<12		112	92.4		ug/L		83	59 - 130	3	50	
Dibenz(a,h)anthracene	<12		112	93.8		ug/L		84	55 - 130	8	50	
Dibenzofuran	<12		112	77.0		ug/L		69	58 - 130	4	50	
1,2-Dichlorobenzene	<12		112	53.1		ug/L		48	43 - 130	16	50	
1,3-Dichlorobenzene	<12		112	51.3		ug/L		46	41 - 130	15	50	
1,4-Dichlorobenzene	<12		112	50.8		ug/L		45	43 - 130	18	50	
3,3'-Dichlorobenzidine	<75		112	<67	F	ug/L		0	27 - 130	NC	50	
2,4-Dichlorophenol	<12		112	71.1		ug/L		64	54 - 130	12	50	
Diethyl phthalate	<12		112	91.5		ug/L		82	70 - 130	2	50	
2,4-Dimethylphenol	<12		112	70.9		ug/L		63	40 - 130	11	50	
Dimethyl phthalate	<12		112	86.8		ug/L		78	69 - 130	1	50	
Di-n-butyl phthalate	<12		112	99.9		ug/L		89	66 - 130	3	50	
4,6-Dinitro-2-methylphenol	<62		112	102		ug/L		91	45 - 134	5	50	
2,4-Dinitrophenol	<62		112	118		ug/L		106	20 - 165	4	50	
2,4-Dinitrotoluene	<12		112	86.5		ug/L		77	63 - 130	3	50	
2,6-Dinitrotoluene	<12		112	93.4		ug/L		84	65 - 130	1	50	
Di-n-octyl phthalate	<12		112	100		ug/L		90	64 - 130	2	50	
1,4-Dioxane	<12		112	47.4		ug/L		42	35 - 130	11	50	
Fluoranthene	<12		112	93.9		ug/L		84	56 - 130	7	50	
Fluorene	<12		112	83.1		ug/L		74	61 - 130	1	50	
Hexachlorobenzene	<12		112	80.8		ug/L		72	52 - 130	3	50	
Hexachlorobutadiene	<12		112	59.0		ug/L		53	36 - 130	15	50	
Hexachlorocyclopentadiene	<12		112	24.5		ug/L		22	10 - 130	8	50	
Hexachloroethane	<12		112	47.2		ug/L		42	39 - 130	17	50	
Indeno[1,2,3-cd]pyrene	<12		112	105		ug/L		94	47 - 130	4	50	
Isophorone	<12		112	66.3		ug/L		59	59 - 130	15	50	
2-Methylnaphthalene	<12		112	68.9		ug/L		62	52 - 130	13	50	
2-Methylphenol	<12		112	65.7		ug/L		59	55 - 130	19	50	
3 & 4 Methylphenol	<12		112	68.5		ug/L		61	35 - 130	17	50	

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-70818-5 MSD

Matrix: Water

Analysis Batch: 210976

Client Sample ID: ASH-MW12-072711

Prep Type: Total/NA

Prep Batch: 210688

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.		RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	
Naphthalene	<12		112	63.6		ug/L		57	50 - 130	15	50
2-Nitroaniline	<62		112	72.8		ug/L		65	60 - 130	5	50
3-Nitroaniline	<62		112	<56	F	ug/L		14	54 - 130	101	50
4-Nitroaniline	<62		112	<56	F	ug/L		28	54 - 130	67	50
Nitrobenzene	<12		112	65.6		ug/L		59	56 - 130	18	50
2-Nitrophenol	<12		112	71.6		ug/L		64	54 - 130	19	50
4-Nitrophenol	<62		112	91.3		ug/L		82	38 - 130	4	50
N-Nitrosodimethylamine	<12		112	59.6	F	ug/L		53	54 - 130	21	50
N-Nitrosodi-n-propylamine	<12		112	69.9	F	ug/L		63	64 - 130	21	50
N-Nitrosodiphenylamine	<12		112	58.7	F	ug/L		53	68 - 130	26	50
Pentachlorophenol	<62		112	97.3		ug/L		87	42 - 138	3	50
Phenanthrene	<12		112	89.1		ug/L		80	62 - 130	4	50
Phenol	<12		112	60.6		ug/L		54	29 - 130	19	50
Pyrene	<12		112	96.6		ug/L		86	60 - 130	3	50
Pyridine	<62		112	<56		ug/L		47	10 - 130	6	50
1,2,4-Trichlorobenzene	<12		112	56.5		ug/L		51	42 - 130	15	50
2,4,5-Trichlorophenol	<12		112	87.2		ug/L		78	61 - 130	1	50
2,4,6-Trichlorophenol	<12		112	76.8		ug/L		69	57 - 130	9	50

Surrogate	MSD MSD		Limits
	% Recovery	Qualifier	
2-Fluorobiphenyl	63		38 - 130
2-Fluorophenol	50		25 - 130
Nitrobenzene-d5	62		39 - 130
Phenol-d5	55		25 - 130
Terphenyl-d14	82		10 - 143
2,4,6-Tribromophenol	89		31 - 141

Lab Sample ID: 680-70818-6 MS

Matrix: Water

Analysis Batch: 211110

Client Sample ID: ASH-MW02-072711

Prep Type: Total/NA

Prep Batch: 210688

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	
2-Acetylaminofluorene	<9.9		99.6	100		ug/L		101	63 - 130	
alpha,alpha-Dimethyl phenethylamine	<2000		99.6	<2000		ug/L		51	10 - 200	
4-Aminobiphenyl	<9.9		99.6	16.7		ug/L		17	10 - 130	
Aramite, Total	<9.9		99.6	30.5		ug/L		31	12 - 181	
Diallate	<9.9		99.6	51.6		ug/L		52	45 - 130	
2,6-Dichlorophenol	<9.9		99.6	74.4		ug/L		75	55 - 130	
Dimethoate	<9.9	*	99.6	51.4	F	ug/L		52	64 - 130	
7,12-Dimethylbenz(a)anthracene	<9.9		99.6	34.0	F	ug/L		34	57 - 130	
3,3'-Dimethylbenzidine	<20		249	32.8		ug/L		13	10 - 130	
1,3-Dinitrobenzene	<9.9		99.6	74.8		ug/L		75	61 - 130	
Dinoseb	<9.9		99.6	67.2	F	ug/L		67	70 - 138	
Disulfoton	<9.9	*	99.6	43.5	F	ug/L		44	65 - 130	
Ethyl methanesulfonate	<9.9		99.6	29.0		ug/L		29	10 - 156	
Ethyl Parathion	<9.9		99.6	78.9		ug/L		79	67 - 153	
Famphur	<9.9	*	99.6	62.6		ug/L		63	10 - 130	
Hexachlorophene	<4900		498	<5000	E	ug/L		55	10 - 130	
Hexachloropropene	<9.9		99.6	30.9		ug/L		31	10 - 130	

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-70818-6 MS

Matrix: Water

Analysis Batch: 211110

Client Sample ID: ASH-MW02-072711

Prep Type: Total/NA

Prep Batch: 210688

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Isosafrole	<9.9		99.6	35.2	F	ug/L		35	54 - 130
Methapyrilene	<2000		498	<2000		ug/L		25	10 - 155
3-Methylcholanthrene	<9.9		99.6	10.9		ug/L		11	10 - 148
Methyl methanesulfonate	<9.9		99.6	28.7		ug/L		29	10 - 130
Methyl parathion	<9.9	*	99.6	65.1		ug/L		65	65 - 148
1,4-Naphthoquinone	<9.9		99.6	40.5		ug/L		41	10 - 132
1-Naphthylamine	<9.9		99.6	12.0	F	ug/L		12	28 - 130
2-Naphthylamine	<9.9		99.6	17.3		ug/L		17	10 - 130
4-Nitroquinoline-1-oxide	<20		99.6	84.8		ug/L		85	10 - 146
N-Nitro-o-toluidine	<9.9		99.6	23.7	F	ug/L		24	46 - 130
N-Nitrosodiethylamine	<9.9		99.6	56.5		ug/L		57	37 - 130
N-Nitrosodi-n-butylamine	<9.9		99.6	65.5		ug/L		66	40 - 130
N-Nitrosomethylethylamine	<9.9		99.6	52.6		ug/L		53	22 - 130
N-Nitrosomorpholine	<9.9		99.6	72.9		ug/L		73	25 - 130
N-Nitrosopiperidine	<9.9		99.6	59.4		ug/L		60	55 - 130
N-Nitrosopyrrolidine	<9.9		99.6	55.3		ug/L		56	36 - 130
o,o',o"-Triethylphosphorothioate	<9.9		99.6	67.2		ug/L		67	18 - 139
p-Dimethylamino azobenzene	<9.9		99.6	48.2	F	ug/L		48	49 - 130
Pentachlorobenzene	<9.9		99.6	86.6		ug/L		87	60 - 130
Pentachloronitrobenzene	<9.9		99.6	93.7		ug/L		94	70 - 130
Phenacetin	<9.9		99.6	73.1		ug/L		73	47 - 130
Phorate	<9.9		99.6	48.9	F	ug/L		49	52 - 156
2-Picoline	<9.9		99.6	47.8		ug/L		48	10 - 130
p-Phenylene diamine	<2000		498	<2000	F	ug/L		0	10 - 130
Pronamide	<9.9		99.6	57.7	F	ug/L		58	70 - 130
Safrole, Total	<9.9		99.6	74.7		ug/L		75	54 - 130
Sulfotep	<9.9		99.6	71.9		ug/L		72	65 - 130
1,2,4,5-Tetrachlorobenzene	<9.9		99.6	76.6		ug/L		77	51 - 130
2,3,4,6-Tetrachlorophenol	<9.9		99.6	95.0		ug/L		95	64 - 130
Thionazin	<9.9		99.6	56.0	F	ug/L		56	70 - 130
2-Toluidine	<9.9		99.6	47.9		ug/L		48	22 - 130
1,3,5-Trinitrobenzene	<9.9		99.6	47.2		ug/L		47	21 - 165

Surrogate	MS % Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	62		38 - 130
2-Fluorophenol	52		25 - 130
Nitrobenzene-d5	59		39 - 130
Phenol-d5	45		25 - 130
Terphenyl-d14	65		10 - 143
2,4,6-Tribromophenol	77		31 - 141

Lab Sample ID: 680-70818-6 MSD

Matrix: Water

Analysis Batch: 211110

Client Sample ID: ASH-MW02-072711

Prep Type: Total/NA

Prep Batch: 210688

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	Limit
2-Acetylaminofluorene	<9.9		97.3	106		ug/L		109	63 - 130	5	50
alpha,alpha-Dimethyl phenethylamine	<2000		97.3	<1900		ug/L		52	10 - 200	1	50
4-Aminobiphenyl	<9.9		97.3	22.2		ug/L		23	10 - 130	28	50

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-70818-6 MSD

Matrix: Water

Analysis Batch: 211110

Client Sample ID: ASH-MW02-072711

Prep Type: Total/NA

Prep Batch: 210688

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Aramite, Total	<9.9		97.3	11.4	F	ug/L		12	12 - 181	91	50
Diallate	<9.9		97.3	59.5		ug/L		61	45 - 130	14	50
2,6-Dichlorophenol	<9.9		97.3	87.4		ug/L		90	55 - 130	16	50
Dimethoate	<9.9	*	97.3	46.5	F	ug/L		48	64 - 130	10	50
7,12-Dimethylbenz(a)anthracene	<9.9		97.3	38.9	F	ug/L		40	57 - 130	13	50
3,3'-Dimethylbenzidine	<20		243	47.7		ug/L		20	10 - 130	37	50
1,3-Dinitrobenzene	<9.9		97.3	86.0		ug/L		88	61 - 130	14	50
Dinoseb	<9.9		97.3	81.1		ug/L		83	70 - 138	19	50
Disulfoton	<9.9	*	97.3	50.0	F	ug/L		51	65 - 130	14	50
Ethyl methanesulfonate	<9.9		97.3	33.4		ug/L		34	10 - 156	14	50
Ethyl Parathion	<9.9		97.3	89.2		ug/L		92	67 - 153	12	50
Famphur	<9.9	*	97.3	35.4	F	ug/L		36	10 - 130	56	50
Hexachlorophene	<4900		487	<4900	E	ug/L		71	10 - 130	22	50
Hexachloropropene	<9.9		97.3	35.0		ug/L		36	10 - 130	13	50
Isosafrole	<9.9		97.3	18.1	F	ug/L		19	54 - 130	64	50
Methapyrilene	<2000		487	<1900		ug/L		38	10 - 155	41	50
3-Methylcholanthrene	<9.9		97.3	12.5		ug/L		13	10 - 148	14	50
Methyl methanesulfonate	<9.9		97.3	33.4		ug/L		34	10 - 130	15	50
Methyl parathion	<9.9	*	97.3	72.9		ug/L		75	65 - 148	11	50
1,4-Naphthoquinone	<9.9		97.3	26.3		ug/L		27	10 - 132	43	50
1-Naphthylamine	<9.9		97.3	13.3	F	ug/L		14	28 - 130	11	50
2-Naphthylamine	<9.9		97.3	16.1		ug/L		16	10 - 130	8	50
4-Nitroquinoline-1-oxide	<20		97.3	87.3		ug/L		90	10 - 146	3	50
N-Nitro-o-toluidine	<9.9		97.3	13.4	F	ug/L		14	46 - 130	56	50
N-Nitrosodiethylamine	<9.9		97.3	60.1		ug/L		62	37 - 130	6	50
N-Nitrosodi-n-butylamine	<9.9		97.3	74.5		ug/L		77	40 - 130	13	50
N-Nitrosomethylethylamine	<9.9		97.3	50.2		ug/L		52	22 - 130	5	50
N-Nitrosomorpholine	<9.9		97.3	76.5		ug/L		79	25 - 130	5	50
N-Nitrosopiperidine	<9.9		97.3	56.7		ug/L		58	55 - 130	5	50
N-Nitrosopyrrolidine	<9.9		97.3	53.7		ug/L		55	36 - 130	3	50
o,o',o"-Triethylphosphorothioate	<9.9		97.3	78.2		ug/L		80	18 - 139	15	50
p-Dimethylamino azobenzene	<9.9		97.3	19.0	F	ug/L		19	49 - 130	87	50
Pentachlorobenzene	<9.9		97.3	96.9		ug/L		100	60 - 130	11	50
Pentachloronitrobenzene	<9.9		97.3	104		ug/L		107	70 - 130	10	50
Phenacetin	<9.9		97.3	77.4		ug/L		80	47 - 130	6	50
Phorate	<9.9		97.3	47.5	F	ug/L		49	52 - 156	3	50
2-Picoline	<9.9		97.3	54.4		ug/L		56	10 - 130	13	50
p-Phenylene diamine	<2000		487	<1900	F	ug/L		3	10 - 130	NC	50
Pronamide	<9.9		97.3	45.1	F	ug/L		46	70 - 130	24	50
Safrole, Total	<9.9		97.3	87.1		ug/L		90	54 - 130	15	50
Sulfotepp	<9.9		97.3	79.9		ug/L		82	65 - 130	10	50
1,2,4,5-Tetrachlorobenzene	<9.9		97.3	84.7		ug/L		87	51 - 130	10	50
2,3,4,6-Tetrachlorophenol	<9.9		97.3	107		ug/L		109	64 - 130	11	50
Thionazin	<9.9		97.3	54.0	F	ug/L		55	70 - 130	4	50
2-Toluidine	<9.9		97.3	51.8		ug/L		53	22 - 130	8	50
1,3,5-Trinitrobenzene	<9.9		97.3	54.3		ug/L		56	21 - 165	14	50

Surrogate	MSD % Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	69		38 - 130

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-70818-6 MSD

Matrix: Water

Analysis Batch: 211110

Client Sample ID: ASH-MW02-072711

Prep Type: Total/NA

Prep Batch: 210688

Surrogate	MSD % Recovery	MSD Qualifier	Limits
2-Fluorophenol	55		25 - 130
Nitrobenzene-d5	69		39 - 130
Phenol-d5	55		25 - 130
Terphenyl-d14	80		10 - 143
2,4,6-Tribromophenol	87		31 - 141

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Lab Sample ID: MB 680-210403/9-A

Matrix: Water

Analysis Batch: 212311

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210403

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 03:53	1
alpha-BHC	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 03:53	1
beta-BHC	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 03:53	1
Chlordane (technical)	<0.50		0.50		ug/L		07/29/11 14:35	08/08/11 03:53	1
Chlorobenzilate	<0.50		0.50		ug/L		07/29/11 14:35	08/08/11 03:53	1
4,4'-DDD	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 03:53	1
4,4'-DDE	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 03:53	1
4,4'-DDT	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 03:53	1
delta-BHC	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 03:53	1
Dieldrin	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 03:53	1
Endosulfan I	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 03:53	1
Endosulfan II	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 03:53	1
Endosulfan sulfate	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 03:53	1
Endrin	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 03:53	1
Endrin aldehyde	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 03:53	1
Endrin ketone	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 03:53	1
gamma-BHC (Lindane)	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 03:53	1
Heptachlor	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 03:53	1
Heptachlor epoxide	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 03:53	1
Isodrin	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 03:53	1
Kepone	<1.0		1.0		ug/L		07/29/11 14:35	08/08/11 03:53	1
Methoxychlor	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 03:53	1
Toxaphene	<5.0		5.0		ug/L		07/29/11 14:35	08/08/11 03:53	1
PCB-1016	<1.0		1.0		ug/L		07/29/11 14:35	08/08/11 03:53	1
PCB-1221	<2.0		2.0		ug/L		07/29/11 14:35	08/08/11 03:53	1
PCB-1232	<1.0		1.0		ug/L		07/29/11 14:35	08/08/11 03:53	1
PCB-1242	<1.0		1.0		ug/L		07/29/11 14:35	08/08/11 03:53	1
PCB-1248	<1.0		1.0		ug/L		07/29/11 14:35	08/08/11 03:53	1
PCB-1254	<1.0		1.0		ug/L		07/29/11 14:35	08/08/11 03:53	1
PCB-1260	<1.0		1.0		ug/L		07/29/11 14:35	08/08/11 03:53	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	66		36 - 130	07/29/11 14:35	08/08/11 03:53	1
Tetrachloro-m-xylene	68		36 - 130	07/29/11 14:35	08/08/11 03:53	1
DCB Decachlorobiphenyl	65		40 - 130	07/29/11 14:35	08/08/11 03:53	1
DCB Decachlorobiphenyl	53		40 - 130	07/29/11 14:35	08/08/11 03:53	1

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: LCS 680-210403/10-A

Matrix: Water

Analysis Batch: 212311

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210403

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Aldrin	0.100	0.0977		ug/L		98	14 - 168
alpha-BHC	0.100	0.0918		ug/L		92	43 - 138
beta-BHC	0.100	0.107		ug/L		107	38 - 158
4,4'-DDD	0.200	0.233		ug/L		116	49 - 144
4,4'-DDE	0.200	0.214		ug/L		107	46 - 144
4,4'-DDT	0.200	0.191		ug/L		95	48 - 166
delta-BHC	0.100	0.104		ug/L		104	23 - 191
Dieldrin	0.200	0.220		ug/L		110	61 - 136
Endosulfan I	0.100	0.105		ug/L		105	52 - 141
Endosulfan II	0.200	0.221		ug/L		110	60 - 140
Endosulfan sulfate	0.200	0.237		ug/L		119	60 - 151
Endrin	0.200	0.209		ug/L		104	66 - 150
Endrin aldehyde	0.200	0.215		ug/L		108	16 - 200
Endrin ketone	0.200	0.228		ug/L		114	55 - 156
gamma-BHC (Lindane)	0.100	0.100		ug/L		100	54 - 134
Heptachlor	0.100	0.119		ug/L		119	10 - 200
Heptachlor epoxide	0.100	0.105		ug/L		105	49 - 142
Methoxychlor	0.200	0.251		ug/L		125	13 - 186

Surrogate	% Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	70		36 - 130
Tetrachloro-m-xylene	73		36 - 130
DCB Decachlorobiphenyl	79		40 - 130
DCB Decachlorobiphenyl	67		40 - 130

Lab Sample ID: LCS 680-210403/13-A

Matrix: Water

Analysis Batch: 212311

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210403

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
PCB-1016	10.0	9.80		ug/L		98	38 - 172
PCB-1260	10.0	11.0		ug/L		110	46 - 138

Surrogate	% Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	73		36 - 130
Tetrachloro-m-xylene	78		36 - 130
DCB Decachlorobiphenyl	85		40 - 130
DCB Decachlorobiphenyl	75		40 - 130

Lab Sample ID: LCS 680-210403/18-A

Matrix: Water

Analysis Batch: 212311

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210403

Surrogate	% Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	68		36 - 130
Tetrachloro-m-xylene	71		36 - 130
DCB Decachlorobiphenyl	61		40 - 130
DCB Decachlorobiphenyl	49		40 - 130

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: LCSD 680-210403/17-A

Matrix: Water

Analysis Batch: 212311

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 210403

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Chlordane (technical)	5.00	6.20		ug/L		124	56 - 144	6	50

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene	70		36 - 130
Tetrachloro-m-xylene	67		36 - 130
DCB Decachlorobiphenyl	78		40 - 130
DCB Decachlorobiphenyl	67		40 - 130

Lab Sample ID: LCSD 680-210403/19-A

Matrix: Water

Analysis Batch: 212311

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 210403

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene	60		36 - 130
Tetrachloro-m-xylene	63		36 - 130
DCB Decachlorobiphenyl	67		40 - 130
DCB Decachlorobiphenyl	57		40 - 130

Lab Sample ID: 680-70818-5 MS

Matrix: Water

Analysis Batch: 212311

Client Sample ID: ASH-MW12-072711

Prep Type: Total/NA

Prep Batch: 210403

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Aldrin	<0.050		0.0986	0.0811		ug/L		82	14 - 168
alpha-BHC	<0.050		0.0986	0.0825		ug/L		84	43 - 138
beta-BHC	<0.050		0.0986	0.113		ug/L		115	38 - 158
4,4'-DDD	<0.099		0.197	0.197		ug/L		100	49 - 144
4,4'-DDE	<0.099		0.197	0.186		ug/L		94	46 - 144
4,4'-DDT	<0.099		0.197	0.213		ug/L		108	48 - 166
delta-BHC	<0.050		0.0986	0.0937		ug/L		95	23 - 191
Dieldrin	<0.099		0.197	0.186		ug/L		94	61 - 136
Endosulfan I	<0.050		0.0986	0.0881		ug/L		89	52 - 141
Endosulfan II	<0.099		0.197	0.182		ug/L		92	60 - 140
Endosulfan sulfate	<0.099		0.197	0.172		ug/L		87	60 - 151
Endrin	<0.099		0.197	0.184		ug/L		93	66 - 150
Endrin aldehyde	<0.099		0.197	0.127		ug/L		65	16 - 200
Endrin ketone	<0.099		0.197	0.178		ug/L		90	55 - 156
gamma-BHC (Lindane)	<0.050		0.0986	0.0876		ug/L		89	54 - 134
Heptachlor	<0.050		0.0986	0.0520	p	ug/L		53	10 - 200
Heptachlor epoxide	<0.050		0.0986	0.0882		ug/L		89	49 - 142
Methoxychlor	<0.099		0.197	0.148	p	ug/L		75	13 - 186

Surrogate	MS % Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	64		36 - 130
Tetrachloro-m-xylene	65		36 - 130
DCB Decachlorobiphenyl	68		40 - 130
DCB Decachlorobiphenyl	55		40 - 130

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: 680-70818-5 MSD

Matrix: Water

Analysis Batch: 212311

Client Sample ID: ASH-MW12-072711

Prep Type: Total/NA

Prep Batch: 210403

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Aldrin	<0.050		0.0998	0.0769		ug/L		77	14 - 168	5	50
alpha-BHC	<0.050		0.0998	0.0741		ug/L		74	43 - 138	11	50
beta-BHC	<0.050		0.0998	0.0646	p F	ug/L		65	38 - 158	54	50
4,4'-DDD	<0.099		0.200	0.172		ug/L		86	49 - 144	13	50
4,4'-DDE	<0.099		0.200	0.171		ug/L		86	46 - 144	9	50
4,4'-DDT	<0.099		0.200	0.172		ug/L		86	48 - 166	21	50
delta-BHC	<0.050		0.0998	0.0777		ug/L		78	23 - 191	19	50
Dieldrin	<0.099		0.200	0.170		ug/L		85	61 - 136	9	50
Endosulfan I	<0.050		0.0998	0.0811		ug/L		81	52 - 141	8	50
Endosulfan II	<0.099		0.200	0.158		ug/L		79	60 - 140	14	50
Endosulfan sulfate	<0.099		0.200	0.149		ug/L		75	60 - 151	14	50
Endrin	<0.099		0.200	0.164		ug/L		82	66 - 150	12	50
Endrin aldehyde	<0.099		0.200	0.122		ug/L		61	16 - 200	4	50
Endrin ketone	<0.099		0.200	0.153		ug/L		77	55 - 156	15	50
gamma-BHC (Lindane)	<0.050		0.0998	0.0769		ug/L		77	54 - 134	13	50
Heptachlor	<0.050		0.0998	<0.050		ug/L		45	10 - 200	14	50
Heptachlor epoxide	<0.050		0.0998	0.0791		ug/L		79	49 - 142	11	50
Methoxychlor	<0.099		0.200	<0.10		ug/L		50	13 - 186	40	50

Surrogate	MSD % Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	55		36 - 130
Tetrachloro-m-xylene	57		36 - 130
DCB Decachlorobiphenyl	63		40 - 130
DCB Decachlorobiphenyl	51		40 - 130

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 680-210385/10-A

Matrix: Water

Analysis Batch: 210709

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210385

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.50		0.50		ug/L		07/29/11 07:54	08/01/11 16:55	1
Silvex (2,4,5-TP)	<0.50		0.50		ug/L		07/29/11 07:54	08/01/11 16:55	1
2,4,5-T	<0.50		0.50		ug/L		07/29/11 07:54	08/01/11 16:55	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	92		52 - 151	07/29/11 07:54	08/01/11 16:55	1
DCAA	77		52 - 151	07/29/11 07:54	08/01/11 16:55	1

Lab Sample ID: LCS 680-210385/11-A

Matrix: Water

Analysis Batch: 210709

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210385

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2,4-D	2.00	1.92		ug/L		96	63 - 130
Silvex (2,4,5-TP)	2.00	1.82		ug/L		91	64 - 130
2,4,5-T	2.00	1.88		ug/L		94	59 - 130

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 680-210385/11-A

Matrix: Water

Analysis Batch: 210709

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210385

Surrogate	LCS	LCS	Limits
% Recovery	Qualifier		
DCAA	92		52 - 151
DCAA	98		52 - 151

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290)

Lab Sample ID: G1G290000037B

Matrix: Water

Analysis Batch: 1210037

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 1210037_P

Analyte	MB	MB	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
Result	Qualifier										
2,3,7,8-TCDD	ND		10	0.54	1		pg/L		07/29/11 09:00	07/29/11 19:42	1
Total HxCDD	ND		50	0.35			pg/L		07/29/11 09:00	07/29/11 19:42	1
Total HxCDF	ND		50	0.29			pg/L		07/29/11 09:00	07/29/11 19:42	1
Total PeCDD	ND		50	0.95			pg/L		07/29/11 09:00	07/29/11 19:42	1
Total PeCDF	ND		50	0.42			pg/L		07/29/11 09:00	07/29/11 19:42	1
Total TCDD	ND		10	0.54			pg/L		07/29/11 09:00	07/29/11 19:42	1
Total TCDF	ND		10	0.55			pg/L		07/29/11 09:00	07/29/11 19:42	1
Total TEQ						0.00					

Internal Standard	MB	MB	Limits	Prepared	Analyzed	Dil Fac
% Recovery	Qualifier					
13C-2,3,7,8-TCDD	86		40 - 135	07/29/11 09:00	07/29/11 19:42	1
13C-1,2,3,7,8-PeCDD	99		40 - 135	07/29/11 09:00	07/29/11 19:42	1
13C-1,2,3,6,7,8-HxCDD	91		40 - 135	07/29/11 09:00	07/29/11 19:42	1
13C-2,3,7,8-TCDF	89		40 - 135	07/29/11 09:00	07/29/11 19:42	1
13C-1,2,3,7,8-PeCDF	94		40 - 135	07/29/11 09:00	07/29/11 19:42	1
13C-1,2,3,4,7,8-HxCDF	86		40 - 135	07/29/11 09:00	07/29/11 19:42	1

Lab Sample ID: G1G290000037C

Matrix: Water

Analysis Batch: 1210037

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 1210037_P

Analyte	Spike	LCS	LCS	Unit	D	% Rec	% Rec.
Added	Result	Qualifier				Limits	
2,3,7,8-TCDD	200	210		pg/L		105	72 - 144
Internal Standard	LCS	LCS	Limits				
% Recovery	Qualifier						
13C-2,3,7,8-TCDD	82		40 - 135				
13C-1,2,3,7,8-PeCDD	92		40 - 135				
13C-1,2,3,6,7,8-HxCDD	79		40 - 135				
13C-2,3,7,8-TCDF	80		40 - 135				
13C-1,2,3,7,8-PeCDF	85		40 - 135				
13C-1,2,3,4,7,8-HxCDF	72		40 - 135				

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 680-210578/1-A

Matrix: Water

Analysis Batch: 211230

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210578

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<5.0		5.0		ug/L		08/01/11 08:48	08/06/11 20:57	1
Arsenic	<2.5		2.5		ug/L		08/01/11 08:48	08/06/11 20:57	1
Barium	<5.0		5.0		ug/L		08/01/11 08:48	08/06/11 20:57	1
Beryllium	<0.50		0.50		ug/L		08/01/11 08:48	08/06/11 20:57	1
Cadmium	<0.50		0.50		ug/L		08/01/11 08:48	08/06/11 20:57	1
Chromium	<5.0		5.0		ug/L		08/01/11 08:48	08/06/11 20:57	1
Cobalt	<0.50		0.50		ug/L		08/01/11 08:48	08/06/11 20:57	1
Copper	<5.0		5.0		ug/L		08/01/11 08:48	08/06/11 20:57	1
Lead	<1.5		1.5		ug/L		08/01/11 08:48	08/06/11 20:57	1
Nickel	<5.0		5.0		ug/L		08/01/11 08:48	08/06/11 20:57	1
Selenium	<2.5		2.5		ug/L		08/01/11 08:48	08/06/11 20:57	1
Silver	<1.0		1.0		ug/L		08/01/11 08:48	08/06/11 20:57	1
Thallium	<1.0		1.0		ug/L		08/01/11 08:48	08/06/11 20:57	1
Tin	<5.0		5.0		ug/L		08/01/11 08:48	08/06/11 20:57	1
Vanadium	<10		10		ug/L		08/01/11 08:48	08/06/11 20:57	1
Zinc	<20		20		ug/L		08/01/11 08:48	08/06/11 20:57	1

Lab Sample ID: LCS 680-210578/2-A

Matrix: Water

Analysis Batch: 211230

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Antimony	50.0	45.4		ug/L		91	75 - 125
Arsenic	100	97.9		ug/L		98	75 - 125
Barium	100	95.6		ug/L		96	75 - 125
Beryllium	50.0	48.7		ug/L		97	75 - 125
Cadmium	50.0	50.0		ug/L		100	75 - 125
Chromium	100	94.4		ug/L		94	75 - 125
Cobalt	50.0	47.4		ug/L		95	75 - 125
Copper	100	97.8		ug/L		98	75 - 125
Lead	50.0	49.1		ug/L		98	75 - 125
Nickel	100	98.4		ug/L		98	75 - 125
Selenium	100	104		ug/L		104	75 - 125
Silver	50.0	49.8		ug/L		100	75 - 125
Thallium	40.0	39.7		ug/L		99	75 - 125
Tin	100	95.8		ug/L		96	75 - 125
Vanadium	100	92.9		ug/L		93	75 - 125
Zinc	100	104		ug/L		104	75 - 125

Lab Sample ID: MB 680-210809/1-A

Matrix: Water

Analysis Batch: 211204

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<5.0		5.0		ug/L		08/03/11 09:07	08/07/11 06:17	1
Arsenic	<2.5		2.5		ug/L		08/03/11 09:07	08/07/11 06:17	1
Barium	<5.0		5.0		ug/L		08/03/11 09:07	08/07/11 06:17	1
Beryllium	<0.50		0.50		ug/L		08/03/11 09:07	08/07/11 06:17	1
Cadmium	<0.50		0.50		ug/L		08/03/11 09:07	08/07/11 06:17	1
Chromium	<5.0		5.0		ug/L		08/03/11 09:07	08/07/11 06:17	1

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-210809/1-A

Matrix: Water

Analysis Batch: 211204

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.50		0.50		ug/L		08/03/11 09:07	08/07/11 06:17	1
Copper	<5.0		5.0		ug/L		08/03/11 09:07	08/07/11 06:17	1
Lead	<1.5		1.5		ug/L		08/03/11 09:07	08/07/11 06:17	1
Nickel	<5.0		5.0		ug/L		08/03/11 09:07	08/07/11 06:17	1
Selenium	<2.5		2.5		ug/L		08/03/11 09:07	08/07/11 06:17	1
Silver	<1.0		1.0		ug/L		08/03/11 09:07	08/07/11 06:17	1
Thallium	<1.0		1.0		ug/L		08/03/11 09:07	08/07/11 06:17	1
Tin	<5.0		5.0		ug/L		08/03/11 09:07	08/07/11 06:17	1
Vanadium	<10		10		ug/L		08/03/11 09:07	08/07/11 06:17	1
Zinc	<20		20		ug/L		08/03/11 09:07	08/07/11 06:17	1

Lab Sample ID: LCS 680-210809/2-A

Matrix: Water

Analysis Batch: 211204

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Antimony	50.0	48.4		ug/L		97	75 - 125
Arsenic	100	101		ug/L		101	75 - 125
Barium	100	108		ug/L		108	75 - 125
Beryllium	50.0	46.8		ug/L		94	75 - 125
Cadmium	50.0	52.4		ug/L		105	75 - 125
Chromium	100	101		ug/L		101	75 - 125
Cobalt	50.0	49.8		ug/L		100	75 - 125
Copper	100	102		ug/L		102	75 - 125
Lead	50.0	51.4		ug/L		103	75 - 125
Nickel	100	99.6		ug/L		100	75 - 125
Selenium	100	106		ug/L		106	75 - 125
Silver	50.0	50.0		ug/L		100	75 - 125
Thallium	40.0	41.3		ug/L		103	75 - 125
Tin	100	102		ug/L		102	75 - 125
Vanadium	100	99.3		ug/L		99	75 - 125
Zinc	100	108		ug/L		108	75 - 125

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-210895/1-A

Matrix: Water

Analysis Batch: 211050

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210895

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		08/03/11 16:56	08/04/11 17:34	1

Lab Sample ID: LCS 680-210895/2-A

Matrix: Water

Analysis Batch: 211050

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210895

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	2.50	2.57		ug/L		103	80 - 120

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 680-210574/1-A

Matrix: Water

Analysis Batch: 210679

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 210574

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		08/01/11 07:51	08/02/11 06:31	1

Lab Sample ID: HLCS 680-210574/3-A

Matrix: Water

Analysis Batch: 210679

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210574

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	% Rec	% Rec. Limits
Cyanide, Total	0.0751	0.0804		mg/L		107	

Lab Sample ID: LCS 680-210574/2-A

Matrix: Water

Analysis Batch: 210679

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210574

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Cyanide, Total	0.0301	0.0272		mg/L		90	85 - 115

Lab Sample ID: 680-70818-7 DU

Matrix: Water

Analysis Batch: 210679

Client Sample ID: ASH-MW04-072711

Prep Type: Total/NA

Prep Batch: 210574

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Total	<0.010		<0.010		mg/L		NC	20

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 680-210451/1

Matrix: Water

Analysis Batch: 210451

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0		mg/L			07/29/11 13:06	1

Lab Sample ID: LCS 680-210451/2

Matrix: Water

Analysis Batch: 210451

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Sulfide	10.0	8.72		mg/L		87	75 - 125

QC Association Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

GC/MS VOA

Analysis Batch: 210624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70818-1	ASH-MW24-072711	Total/NA	Water	8260B	
680-70818-3	ASH-MW18-072711	Total/NA	Water	8260B	
680-70818-4	ASH-MW20-072711	Total/NA	Water	8260B	
680-70818-5	ASH-MW12-072711	Total/NA	Water	8260B	
680-70818-6	ASH-MW02-072711	Total/NA	Water	8260B	
680-70818-7	ASH-MW04-072711	Total/NA	Water	8260B	
680-70818-9	ASH-MW10-072711	Total/NA	Water	8260B	
680-70818-10	ASH-MW03-072711	Total/NA	Water	8260B	
680-70818-11	ASH-DUP-072711	Total/NA	Water	8260B	
680-70818-12	Trip Blank 063011	Total/NA	Water	8260B	
LCS 680-210624/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-210624/6	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-210624/8	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 210665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70818-2	ASH-MW22-072711	Total/NA	Water	8260B	
LCS 680-210665/8	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-210665/9	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-210665/11	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 210908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70818-2 MS	ASH-MW22-072711	Total/NA	Water	8260B	
680-70818-2 MSD	ASH-MW22-072711	Total/NA	Water	8260B	
680-70818-8	ASH-MW11-072711	Total/NA	Water	8260B	
LCS 680-210908/6	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-210908/8	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-210908/9	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 210688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70818-5	ASH-MW12-072711	Total/NA	Water	3520C	
680-70818-5 MS	ASH-MW12-072711	Total/NA	Water	3520C	
680-70818-5 MSD	ASH-MW12-072711	Total/NA	Water	3520C	
680-70818-6	ASH-MW02-072711	Total/NA	Water	3520C	
680-70818-6 MS	ASH-MW02-072711	Total/NA	Water	3520C	
680-70818-6 MSD	ASH-MW02-072711	Total/NA	Water	3520C	
680-70818-7	ASH-MW04-072711	Total/NA	Water	3520C	
LCS 680-210688/10-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 680-210688/16-A	Lab Control Sample	Total/NA	Water	3520C	
MB 680-210688/9-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 210976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70818-5 MS	ASH-MW12-072711	Total/NA	Water	8270C	210688
680-70818-5 MSD	ASH-MW12-072711	Total/NA	Water	8270C	210688
LCS 680-210688/10-A	Lab Control Sample	Total/NA	Water	8270C	210688

QC Association Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

GC/MS Semi VOA (Continued)

Analysis Batch: 211110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70818-5	ASH-MW12-072711	Total/NA	Water	8270C	210688
680-70818-6	ASH-MW02-072711	Total/NA	Water	8270C	210688
680-70818-6 MS	ASH-MW02-072711	Total/NA	Water	8270C	210688
680-70818-6 MSD	ASH-MW02-072711	Total/NA	Water	8270C	210688
680-70818-7	ASH-MW04-072711	Total/NA	Water	8270C	210688
LCS 680-210688/16-A	Lab Control Sample	Total/NA	Water	8270C	210688
MB 680-210688/9-A	Method Blank	Total/NA	Water	8270C	210688

GC Semi VOA

Prep Batch: 210385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70818-5	ASH-MW12-072711	Total/NA	Water	8151A	
680-70818-6	ASH-MW02-072711	Total/NA	Water	8151A	
680-70818-7	ASH-MW04-072711	Total/NA	Water	8151A	
LCS 680-210385/11-A	Lab Control Sample	Total/NA	Water	8151A	
MB 680-210385/10-A	Method Blank	Total/NA	Water	8151A	

Prep Batch: 210403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70818-5	ASH-MW12-072711	Total/NA	Water	3520C	
680-70818-5 MS	ASH-MW12-072711	Total/NA	Water	3520C	
680-70818-5 MSD	ASH-MW12-072711	Total/NA	Water	3520C	
680-70818-6	ASH-MW02-072711	Total/NA	Water	3520C	
680-70818-7	ASH-MW04-072711	Total/NA	Water	3520C	
LCS 680-210403/10-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 680-210403/13-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 680-210403/18-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-210403/17-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 680-210403/19-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 680-210403/9-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 210709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70818-5	ASH-MW12-072711	Total/NA	Water	8151A	210385
680-70818-6	ASH-MW02-072711	Total/NA	Water	8151A	210385
680-70818-7	ASH-MW04-072711	Total/NA	Water	8151A	210385
LCS 680-210385/11-A	Lab Control Sample	Total/NA	Water	8151A	210385
MB 680-210385/10-A	Method Blank	Total/NA	Water	8151A	210385

Analysis Batch: 212311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70818-5	ASH-MW12-072711	Total/NA	Water	8081A_8082	210403
680-70818-5 MS	ASH-MW12-072711	Total/NA	Water	8081A_8082	210403
680-70818-5 MSD	ASH-MW12-072711	Total/NA	Water	8081A_8082	210403
680-70818-6	ASH-MW02-072711	Total/NA	Water	8081A_8082	210403
680-70818-7	ASH-MW04-072711	Total/NA	Water	8081A_8082	210403
LCS 680-210403/10-A	Lab Control Sample	Total/NA	Water	8081A_8082	210403
LCS 680-210403/13-A	Lab Control Sample	Total/NA	Water	8081A_8082	210403
LCS 680-210403/18-A	Lab Control Sample	Total/NA	Water	8081A_8082	210403
LCSD 680-210403/17-A	Lab Control Sample Dup	Total/NA	Water	8081A_8082	210403
LCSD 680-210403/19-A	Lab Control Sample Dup	Total/NA	Water	8081A_8082	210403

QC Association Summary

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

GC Semi VOA (Continued)

Analysis Batch: 212311 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-210403/9-A	Method Blank	Total/NA	Water	8081A_8082	210403

DIOXIN

Analysis Batch: 1210037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70818-5	ASH-MW12-072711	Total	Water	8290	
680-70818-6	ASH-MW02-072711	Total	Water	8290	
680-70818-7	ASH-MW04-072711	Total	Water	8290	
G1G290000037B	Method Blank	Total	Water	8290	
G1G290000037C	Lab Control Sample	Total	Water	8290	

Prep Batch: 1210037_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70818-5	ASH-MW12-072711	Total	Water	8290	
680-70818-6	ASH-MW02-072711	Total	Water	8290	
680-70818-7	ASH-MW04-072711	Total	Water	8290	
G1G290000037B	Method Blank	Total	Water	8290	
G1G290000037C	Lab Control Sample	Total	Water	8290	

Metals

Prep Batch: 210578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70818-5	ASH-MW12-072711	Total/NA	Water	3010A	
LCS 680-210578/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 680-210578/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 210809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70818-6	ASH-MW02-072711	Total/NA	Water	3010A	
680-70818-7	ASH-MW04-072711	Total/NA	Water	3010A	
LCS 680-210809/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 680-210809/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 210895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70818-5	ASH-MW12-072711	Total/NA	Water	7470A	
680-70818-6	ASH-MW02-072711	Total/NA	Water	7470A	
680-70818-7	ASH-MW04-072711	Total/NA	Water	7470A	
LCS 680-210895/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 680-210895/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 211050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70818-5	ASH-MW12-072711	Total/NA	Water	7470A	210895
680-70818-6	ASH-MW02-072711	Total/NA	Water	7470A	210895
680-70818-7	ASH-MW04-072711	Total/NA	Water	7470A	210895
LCS 680-210895/2-A	Lab Control Sample	Total/NA	Water	7470A	210895
MB 680-210895/1-A	Method Blank	Total/NA	Water	7470A	210895

QC Association Summary

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Metals (Continued)

Analysis Batch: 211204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70818-6	ASH-MW02-072711	Total/NA	Water	6020	210809
680-70818-7	ASH-MW04-072711	Total/NA	Water	6020	210809
LCS 680-210809/2-A	Lab Control Sample	Total/NA	Water	6020	210809
MB 680-210809/1-A	Method Blank	Total/NA	Water	6020	210809

Analysis Batch: 211230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70818-5	ASH-MW12-072711	Total/NA	Water	6020	210578
LCS 680-210578/2-A	Lab Control Sample	Total/NA	Water	6020	210578
MB 680-210578/1-A	Method Blank	Total/NA	Water	6020	210578

General Chemistry

Analysis Batch: 210451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70818-5	ASH-MW12-072711	Total/NA	Water	9034	
680-70818-6	ASH-MW02-072711	Total/NA	Water	9034	
680-70818-7	ASH-MW04-072711	Total/NA	Water	9034	
LCS 680-210451/2	Lab Control Sample	Total/NA	Water	9034	
MB 680-210451/1	Method Blank	Total/NA	Water	9034	

Prep Batch: 210574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70818-5	ASH-MW12-072711	Total/NA	Water	9012A	
680-70818-6	ASH-MW02-072711	Total/NA	Water	9012A	
680-70818-7	ASH-MW04-072711	Total/NA	Water	9012A	
680-70818-7 DU	ASH-MW04-072711	Total/NA	Water	9012A	
HLCS 680-210574/3-A	Lab Control Sample	Total/NA	Water	9012A	
LCS 680-210574/2-A	Lab Control Sample	Total/NA	Water	9012A	
MB 680-210574/1-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 210679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70818-5	ASH-MW12-072711	Total/NA	Water	9012A	210574
680-70818-6	ASH-MW02-072711	Total/NA	Water	9012A	210574
680-70818-7	ASH-MW04-072711	Total/NA	Water	9012A	210574
680-70818-7 DU	ASH-MW04-072711	Total/NA	Water	9012A	210574
HLCS 680-210574/3-A	Lab Control Sample	Total/NA	Water	9012A	210574
LCS 680-210574/2-A	Lab Control Sample	Total/NA	Water	9012A	210574
MB 680-210574/1-A	Method Blank	Total/NA	Water	9012A	210574

Lab Chronicle

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW24-072711

Lab Sample ID: 680-70818-1

Date Collected: 07/27/11 08:20

Matrix: Water

Date Received: 07/28/11 14:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210624	07/30/11 15:23	RB	TAL SAV

Client Sample ID: ASH-MW22-072711

Lab Sample ID: 680-70818-2

Date Collected: 07/27/11 08:55

Matrix: Water

Date Received: 07/28/11 14:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210665	07/30/11 16:37	RB	TAL SAV

Client Sample ID: ASH-MW18-072711

Lab Sample ID: 680-70818-3

Date Collected: 07/27/11 09:23

Matrix: Water

Date Received: 07/28/11 14:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210624	07/30/11 15:53	RB	TAL SAV

Client Sample ID: ASH-MW20-072711

Lab Sample ID: 680-70818-4

Date Collected: 07/27/11 10:00

Matrix: Water

Date Received: 07/28/11 14:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210624	07/30/11 20:48	RB	TAL SAV

Client Sample ID: ASH-MW12-072711

Lab Sample ID: 680-70818-5

Date Collected: 07/27/11 10:14

Matrix: Water

Date Received: 07/28/11 14:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210624	07/30/11 16:23	RB	TAL SAV
Total/NA	Prep	3520C			400.2 mL	0.5 mL	210688	08/02/11 15:02	RBS	TAL SAV
Total/NA	Analysis	8270C		1			211110	08/05/11 17:00	LH	TAL SAV
Total/NA	Prep	8151A			974.5 mL	10 mL	210385	07/29/11 07:54	CTR	TAL SAV
Total/NA	Analysis	8151A		1			210709	08/01/11 18:47	WTE	TAL SAV
Total/NA	Prep	3520C			504.4 mL	5 mL	210403	07/29/11 14:35	RBS	TAL SAV
Total/NA	Analysis	8081A_8082		1			212311	08/08/11 06:07	WTE	TAL SAV
Total	Prep	8290			1016.71 mL	20 uL	1210037_P	07/29/11 09:00	BG	TAL WSC
Total	Analysis	8290		0.98			1210037	07/30/11 01:44	LLH	TAL WSC
Total/NA	Prep	7470A			50 mL	50 mL	210895	08/03/11 17:01	RAM	TAL SAV
Total/NA	Analysis	7470A		1			211050	08/04/11 18:43	CE	TAL SAV
Total/NA	Prep	3010A			50 mL	250 mL	210578	08/01/11 08:48	BCB	TAL SAV
Total/NA	Analysis	6020		1			211230	08/07/11 00:12	BB	TAL SAV
Total/NA	Analysis	9034		1	250 mL	250 mL	210451	07/29/11 13:06	DAM	TAL SAV
Total/NA	Prep	9012A			50 mL	50 mL	210574	08/01/11 07:51	DAM	TAL SAV
Total/NA	Analysis	9012A		1			210679	08/02/11 06:56	DAM	TAL SAV

Lab Chronicle

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW02-072711

Lab Sample ID: 680-70818-6

Date Collected: 07/27/11 12:10

Matrix: Water

Date Received: 07/28/11 14:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210624	07/30/11 16:52	RB	TAL SAV
Total/NA	Prep	3520C			507.0 mL	0.5 mL	210688	08/02/11 15:02	RBS	TAL SAV
Total/NA	Analysis	8270C		1			211110	08/05/11 16:01	LH	TAL SAV
Total/NA	Prep	8151A			988.9 mL	10 mL	210385	07/29/11 07:54	CTR	TAL SAV
Total/NA	Analysis	8151A		1			210709	08/01/11 19:02	WTE	TAL SAV
Total/NA	Prep	3520C			1006.3 mL	10 mL	210403	07/29/11 14:35	RBS	TAL SAV
Total/NA	Analysis	8081A_8082		1			212311	08/08/11 06:26	WTE	TAL SAV
Total	Prep	8290			988.62 mL	20 uL	1210037_P	07/29/11 09:00	BG	TAL WSC
Total	Analysis	8290		1.01			1210037	07/30/11 02:29	LLH	TAL WSC
Total/NA	Prep	7470A			50 mL	50 mL	210895	08/03/11 17:01	RAM	TAL SAV
Total/NA	Analysis	7470A		1			211050	08/04/11 18:53	CE	TAL SAV
Total/NA	Prep	3010A			50 mL	250 mL	210809	08/03/11 09:07	RA	TAL SAV
Total/NA	Analysis	6020		1			211204	08/07/11 06:38	BB	TAL SAV
Total/NA	Analysis	9034		1	250 mL	250 mL	210451	07/29/11 13:06	DAM	TAL SAV
Total/NA	Prep	9012A			50 mL	50 mL	210574	08/01/11 07:51	DAM	TAL SAV
Total/NA	Analysis	9012A		1			210679	08/02/11 06:57	DAM	TAL SAV

Client Sample ID: ASH-MW04-072711

Lab Sample ID: 680-70818-7

Date Collected: 07/27/11 12:55

Matrix: Water

Date Received: 07/28/11 14:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210624	07/30/11 21:48	RB	TAL SAV
Total/NA	Prep	3520C			958.8 mL	1 mL	210688	08/02/11 15:02	RBS	TAL SAV
Total/NA	Analysis	8270C		1			211110	08/05/11 16:30	LH	TAL SAV
Total/NA	Prep	8151A			981.1 mL	10 mL	210385	07/29/11 07:54	CTR	TAL SAV
Total/NA	Analysis	8151A		1			210709	08/01/11 19:18	WTE	TAL SAV
Total/NA	Prep	3520C			978.7 mL	10 mL	210403	07/29/11 14:35	RBS	TAL SAV
Total/NA	Analysis	8081A_8082		1			212311	08/08/11 06:45	WTE	TAL SAV
Total	Prep	8290			999.19 mL	20 uL	1210037_P	07/29/11 09:00	BG	TAL WSC
Total	Analysis	8290		1			1210037	07/30/11 03:14	LLH	TAL WSC
Total/NA	Prep	7470A			50 mL	50 mL	210895	08/03/11 17:01	RAM	TAL SAV
Total/NA	Analysis	7470A		1			211050	08/04/11 18:56	CE	TAL SAV
Total/NA	Prep	3010A			50 mL	250 mL	210809	08/03/11 09:07	RA	TAL SAV
Total/NA	Analysis	6020		1			211204	08/07/11 06:44	BB	TAL SAV
Total/NA	Analysis	9034		1	250 mL	250 mL	210451	07/29/11 13:06	DAM	TAL SAV
Total/NA	Prep	9012A			50 mL	50 mL	210574	08/01/11 07:51	DAM	TAL SAV
Total/NA	Analysis	9012A		1			210679	08/02/11 06:58	DAM	TAL SAV

Lab Chronicle

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

Client Sample ID: ASH-MW11-072711

Lab Sample ID: 680-70818-8

Date Collected: 07/27/11 14:55

Matrix: Water

Date Received: 07/28/11 14:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210908	08/01/11 19:52	WJC	TAL SAV

Client Sample ID: ASH-MW10-072711

Lab Sample ID: 680-70818-9

Date Collected: 07/27/11 14:40

Matrix: Water

Date Received: 07/28/11 14:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210624	07/30/11 20:19	RB	TAL SAV

Client Sample ID: ASH-MW03-072711

Lab Sample ID: 680-70818-10

Date Collected: 07/27/11 13:40

Matrix: Water

Date Received: 07/28/11 14:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210624	07/30/11 19:49	RB	TAL SAV

Client Sample ID: ASH-DUP-072711

Lab Sample ID: 680-70818-11

Date Collected: 07/27/11 00:00

Matrix: Water

Date Received: 07/28/11 14:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210624	07/30/11 21:18	RB	TAL SAV

Client Sample ID: Trip Blank 063011

Lab Sample ID: 680-70818-12

Date Collected: 07/27/11 00:00

Matrix: Water

Date Received: 07/28/11 14:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210624	07/30/11 14:24	RB	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL WSC = TestAmerica West Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Serial Number 040453

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADERS ENVIRONMENTAL TESTING

PROJECT REFERENCE <i>Hoffenberg Hucks AP96M</i>	PROJECT NO. <i>11073</i>	PROJECT LOCATION (STATE) <i>MS</i>
TAL (LAB) PROJECT MANAGER <i>Lidya Gulliz</i>	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM <i>Tim Hassett</i>	CLIENT PHONE <i>302-995-342</i>	CLIENT FAX <i>995-3485</i>
CLIENT NAME <i>Ashland Chemical</i>	CLIENT E-MAIL <i>td.hassett@ashland.com</i>	
CLIENT ADDRESS <i>500 Hercules Road Wilmington, DE 19808-1599</i>		

COMPANY CONTRACTING THIS WORK (if applicable)

SAMPLE IDENTIFICATION

SAMPLE	DATE	TIME
<i>NA</i>	<i>7-27-11</i>	<i>NA</i>
<i>---</i>	<i>7-27-11</i>	<i>---</i>

Website: www.testamericainc.com
Phone: (912) 354-7853
Fax: (912) 352-0165

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Alternate Laboratory Name/Location

Phone:
Fax:

PAGE <i>2</i> OF <i>2</i>
STANDARD REPORT DELIVERY ☒
DATE DUE
EXPEDITED REPORT DELIVERY (SURCHARGE) ☐
DATE DUE
NUMBER OF COPIES SUBMITTED PER SHIPMENT <i>4</i>

REQUIRED ANALYSIS	MATRIX TYPE	COMPOSITE (C) OR GRAB (G) INDICATE	NONAQUEOUS LIQUID (OIL SOLVENT)	AIR	SOLID OR SEMISOLID	AQUEOUS (WATER)
<i>UN</i>	<i>UN</i>	<i>6X</i>				
<i>UN</i>	<i>UN</i>	<i>6Y</i>				

NUMBER OF CONTAINERS SUBMITTED

REMARKS
<i>Trip Blank</i>

RELINQUISHED BY: (SIGNATURE)	DATE	TIME
<i>[Signature]</i>	<i>7-27-11</i>	<i>1630</i>
RECEIVED BY: (SIGNATURE)	DATE	TIME
<i>[Signature]</i>	<i>7-28-11</i>	<i>1409</i>

RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME
<i>[Signature]</i>	<i>7-28-11</i>	<i>1409</i>
CUSTODY SEAL NO.	CUSTODY INTACT YES ☐ NO ☐	SAVANNAH LOG NO. <i>680-70818</i>

LABORATORY REMARKS

LABORATORY REMARKS

Serial Number 041872

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

SAMPLE		SAMPLE IDENTIFICATION	COMP	AQUE	SOLID	AIR	NONA	NUMBER OF CONTAINERS SUBMITTED							REMARKS
DATE	TIME														
27-11	1014	ASH-MW12-072711	G X										2		
27-11	1210	ASH-MW02-072711	G X										2		
27-11	1255	ASH-MW04-072711	G X										2		

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RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME
		7-27-11	1630								
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME
		7-28-11	1055								

RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE	TIME	LABORATORY USE ONLY			LABORATORY REMARKS
				CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	
				YES ☐			
				NO ☐			

Received 1 of 2 Books 7-72-11

15

14

13

12

11

10

9

8

T

8241

1) 1

2

CLIENT Ashland chemical PM JK LOG # 71924
 LOT# (QUANTIMS ID) 6119280407 QUOTE# 62742 LOCATION W20C
 DATE RECEIVED 7-28-11 TIME RECEIVED 8:55 Checked (✓) ☒
 DELIVERED BY ☒ FEDEX ☐ ON TRAC ☐ OTHER
☐ GOLDENSTATE ☐ UPS ☐ EZ PARCEL
☐ TAL COURIER ☐ TAL SF ☐ CLIENT
 SHIPPING CONTAINER(S) ☒ TAL ☐ CLIENT ☐ N/A
 CUSTODY SEAL STATUS ☒ INTACT ☐ BROKEN ☐ N/A
 CUSTODY SEAL #(S) 993267
 COC #(S) 041872
 TEMPERATURE BLANK Observed: 2 Corrected: 3
 SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)
 Observed: 222 Average 2 Corrected Average 2
 LABORATORY THERMOMETER ID:
 IR UNIT: #4 ☒ #5 ☐ OTHER ☐

Bj 7-28-11
 Initials Date

pH MEASURED ☐ YES ☐ ANOMALY ☒ N/A
 LABELED BY.....
 LABELS CHECKED BY.....
 PEER REVIEW ☒ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING
 WETCHEM ☒ N/A
 VOA-ENCORES ☒ N/A

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☒ N/A

☐ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☒ N/A

☒ CLOUSEAU ☐ TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 ☒ N/A
☐ WET ICE ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☒ PM NOTIFIED

Notes Sample ID Ash-MW02 072711 1 sample of 2 Received Broken
 Initials Bj Date 7-28-11

*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

Bottle Lot Inventory

Lot
ID:

616280407

616270436

OK 7/18/11

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*																				
VOAh*																				
AGB	2	1	2																	
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				

h = hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

FedEx Express **NEW Package**
US Airbill

FedEx
Tracking
Number

8762 4557 8318

1 From 7-27-11 Sender's FedEx
Account Number 2028-0974-0

Date 251 342-0700
Sender's Name B. Enos Phone 422-7099

Company Eco-Systems Inc.

Address 775 N. University Blvd #270

City Mobile State AL ZIP 36608

2 Your Internal Billing Reference 11073

3 To Recipient's Name
Company Test Area W. Sacramento
Address 880 Riverside Pkwy
City Sacramento State CA ZIP 95605

Address 880 Riverside Pkwy

Address 880 Riverside Pkwy

Address 880 Riverside Pkwy

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Address 880 Riverside Pkwy

FedEx Retrieval Copy

0200

Form
ID No

Packages up to 150 lbs.
For packages over 150 lbs., use the new
FedEx Express Freight US label.

4 Express Package Service
NOTE: Services order has changed. Please select carefully.

Next Business Day

FedEx First Overnight

FedEx Priority Overnight

FedEx Standard Overnight

FedEx 2Day

FedEx 2Day A.M.

FedEx 2Day A.M.

2 or 3 Business Days

49 ☐ NEW FedEx 2Day A.M.

03 ☐ FedEx 2Day

20 ☐ FedEx Express Saver

01 ☐ FedEx 2Day A.M.

04 ☐ FedEx Tube

01 ☐ Other

01 ☐ Other

5 Packaging

06 ☐ FedEx Envelope

02 ☐ FedEx Pak

03 ☐ FedEx Box

04 ☐ FedEx Tube

01 ☐ Other

01 ☐ Other

01 ☐ Other

6 Special Handling and Delivery Signature Options

03 ☐ SATURDAY DELIVERY

01 ☐ Signature Required

10 ☐ Direct Signature

34 ☐ Indirect Signature

06 ☐ Signature Required

06 ☐ Signature Required

06 ☐ Signature Required

7 Payment

1 ☐ Cash/Check

2 ☐ Recipient

3 ☐ Third Party

4 ☐ Credit Card

5 ☐ Cash/Check

5 ☐ Cash/Check

5 ☐ Cash/Check

8 Total Packages

1 ☐ Signature Required

06 ☐ Signature Required

06 ☐ Signature Required

06 ☐ Signature Required

06 ☐ Signature Required

06 ☐ Signature Required

06 ☐ Signature Required

9 Total Weight

1 ☐ Signature Required

06 ☐ Signature Required

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06 ☐ Signature Required

06 ☐ Signature Required

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10 Total Packages

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11 Total Weight

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12 Total Packages

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13 Total Weight

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06 ☐ Signature Required

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14 Total Packages

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15 Total Weight

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16 Total Packages

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17 Total Weight

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18 Total Packages

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06 ☐ Signature Required

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19 Total Weight

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21 Total Weight

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22 Total Packages

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23 Total Weight

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24 Total Packages

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25 Total Weight

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26 Total Packages

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27 Total Weight

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28 Total Packages

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29 Total Weight

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30 Total Packages

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06 ☐ Signature Required

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31 Total Weight

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32 Total Packages

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33 Total Weight

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34 Total Packages

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35 Total Weight

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06 ☐ Signature Required

36 Total Packages

Login Sample Receipt Checklist

Client: Ashland Inc.

Job Number: 680-70818-1

Login Number: 70818

List Source: TestAmerica Savannah

List Number: 1

Creator: Conner, Keaton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	3 coolers rec'd on ice
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5, 1.4, 0.4 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	MW02 (-6) received 1 liter amber broken
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	Insufficient volume received for MS/MSD.
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Savannah	A2LA	DoD ELAP		0399-01
TestAmerica Savannah	A2LA	ISO/IEC 17025		399.01
TestAmerica Savannah	Alabama	State Program	4	41450
TestAmerica Savannah	Arkansas	Arkansas DOH	6	N/A
TestAmerica Savannah	Arkansas	State Program	6	88-0692
TestAmerica Savannah	California	NELAC	9	3217CA
TestAmerica Savannah	Colorado	State Program	8	N/A
TestAmerica Savannah	Connecticut	State Program	1	PH-0161
TestAmerica Savannah	Delaware	State Program	3	N/A
TestAmerica Savannah	Florida	NELAC	4	E87052
TestAmerica Savannah	Georgia	Georgia EPD	4	N/A
TestAmerica Savannah	Georgia	State Program	4	803
TestAmerica Savannah	Guam	State Program	9	09-005r
TestAmerica Savannah	Hawaii	State Program	9	N/A
TestAmerica Savannah	Illinois	NELAC	5	200022
TestAmerica Savannah	Indiana	State Program	5	N/A
TestAmerica Savannah	Iowa	State Program	7	353
TestAmerica Savannah	Kansas	NELAC	7	E-10322
TestAmerica Savannah	Kentucky	Kentucky UST	4	18
TestAmerica Savannah	Kentucky	State Program	4	90084
TestAmerica Savannah	Louisiana	NELAC	6	30690
TestAmerica Savannah	Louisiana	NELAC	6	LA100015
TestAmerica Savannah	Maine	State Program	1	GA00006
TestAmerica Savannah	Maryland	State Program	3	250
TestAmerica Savannah	Massachusetts	State Program	1	M-GA006
TestAmerica Savannah	Michigan	State Program	5	9925
TestAmerica Savannah	Mississippi	State Program	4	N/A
TestAmerica Savannah	Montana	State Program	8	CERT0081
TestAmerica Savannah	Nebraska	State Program	7	TestAmerica-Savannah
TestAmerica Savannah	Nevada	State Program	9	GA6
TestAmerica Savannah	New Jersey	NELAC	2	GA769
TestAmerica Savannah	New Mexico	State Program	6	N/A
TestAmerica Savannah	New York	NELAC	2	10842
TestAmerica Savannah	North Carolina	North Carolina DENR	4	269
TestAmerica Savannah	North Carolina	North Carolina PHL	4	13701
TestAmerica Savannah	Oklahoma	State Program	6	9984
TestAmerica Savannah	Pennsylvania	NELAC	3	68-00474
TestAmerica Savannah	Puerto Rico	State Program	2	GA00006
TestAmerica Savannah	Rhode Island	State Program	1	LAO00244
TestAmerica Savannah	South Carolina	State Program	4	98001
TestAmerica Savannah	Tennessee	State Program	4	TN02961
TestAmerica Savannah	Texas	NELAC	6	T104704185-08-TX
TestAmerica Savannah	USDA	USDA		SAV 3-04
TestAmerica Savannah	Vermont	State Program	1	87052
TestAmerica Savannah	Virginia	NELAC Secondary AB	3	460161
TestAmerica Savannah	Virginia	State Program	3	302
TestAmerica Savannah	Washington	State Program	10	C1794
TestAmerica Savannah	West Virginia	West Virginia DEP	3	94
TestAmerica Savannah	West Virginia	West Virginia DHHR (DW)	3	9950C
TestAmerica Savannah	Wisconsin	State Program	5	999819810
TestAmerica Savannah	Wyoming	State Program	8	8TMS-Q
TestAmerica West Sacramento		USEPA UCMR		CA00044
TestAmerica West Sacramento	A2LA	DoD ELAP		2928-01
TestAmerica West Sacramento	Alaska	Alaska UST	10	UST-055

Certification Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70818-1

Project/Site: Hercules Hattiesburg APIX 7/27/11

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica West Sacramento	Arizona	State Program	9	AZ0708
TestAmerica West Sacramento	Arkansas	State Program	6	88-0691
TestAmerica West Sacramento	California	NELAC	9	1119CA
TestAmerica West Sacramento	Colorado	State Program	8	N/A
TestAmerica West Sacramento	Connecticut	State Program	1	PH-0691
TestAmerica West Sacramento	Florida	NELAC	4	E87570
TestAmerica West Sacramento	Georgia	State Program	4	960
TestAmerica West Sacramento	Guam	State Program	9	N/A
TestAmerica West Sacramento	Hawaii	State Program	9	N/A
TestAmerica West Sacramento	Illinois	NELAC	5	200060
TestAmerica West Sacramento	Kansas	NELAC	7	E-10375
TestAmerica West Sacramento	Louisiana	NELAC	6	30612
TestAmerica West Sacramento	Michigan	State Program	5	9947
TestAmerica West Sacramento	Nevada	State Program	9	CA44
TestAmerica West Sacramento	New Jersey	NELAC	2	CA005
TestAmerica West Sacramento	New Mexico	State Program	6	N/A
TestAmerica West Sacramento	New York	NELAC	2	11666
TestAmerica West Sacramento	Oregon	NELAC	10	CA200005
TestAmerica West Sacramento	Pennsylvania	NELAC	3	68-01272
TestAmerica West Sacramento	South Carolina	State Program	4	87014
TestAmerica West Sacramento	Texas	NELAC	6	T104704399-08-TX
TestAmerica West Sacramento	US Fish & Wildlife	US Fish & Wildlife		LE148388-0
TestAmerica West Sacramento	USDA	USDA		P330-09-00055
TestAmerica West Sacramento	Utah	NELAC	8	QUAN1
TestAmerica West Sacramento	Virginia	State Program	3	178
TestAmerica West Sacramento	Washington	State Program	10	C581
TestAmerica West Sacramento	West Virginia	West Virginia DEP	3	334
TestAmerica West Sacramento	West Virginia	West Virginia DHHR (DW)	3	9930C
TestAmerica West Sacramento	Wisconsin	State Program	5	998204680
TestAmerica West Sacramento	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-70860-1

Client Project/Site: Hercules Hattiesburg APIX 7/28/11

For:

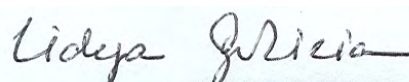
Ashland Inc.

Ashland Hercules Research Center

500 Hercules Rd Bldg 8139

Wilmington, Delaware 19808

Attn: Timothy Hassett



Authorized for release by:

08/16/2011 03:08:03 PM

Lidya Gulizia

Project Manager II

lidya.gulizia@testamericainc.com

cc: Craig Derouen

Chris Waters

Charlie Jordan

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Case Narrative

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Job ID: 680-70860-1

Laboratory: TestAmerica Savannah

Narrative

Job Narrative 680-70860-1

Receipt

Method(s) 8260B: The following sample(s) was received with headspace in the sample vial: ASH-MW14-072811 (680-70860-3), ASH-MW14-072811 (680-70860-3 MS), ASH-MW14-072811 (680-70860-3 MSD). The parent sample and the MSD were received with 2 of 3 vials with headspace, and the MS sample with 1 of 3 with headspace.

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

GC/MS VOA

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 4 analytes to recover outside criteria for this method when a full list spike is utilized. The LCSD associated with batch 210749 had 1 analyte outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 4 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS and LCSD associated with batch 211655 had 2 and 1 analytes outside control limits, respectively; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 211655 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 4 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS and LCSD associated with batch 211446 had 1 and 2 analyte outside control limits, respectively; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: The following compound was outside control limits in the continuing calibration verification (CCV) associated with batch 211655: isobutyl alcohol. This compound is not classified as a Calibration Check Compound (CCC) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. The associated samples were non-detect for the affected analyte; therefore, the data have been reported.

Method(s) 8260B: The continuing calibration verification (CCV) for batch 211111 recovered above the upper control limit for Pentachloroethane. This compound has been identified as a poor performing analyte when analyzed using this method. Additionally, the samples associated with this CCV were non-detects for this compound; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: The continuing calibration verification (CCV) standard for analytical batch 211655 exceeded average % Relative Standard Deviation (%RSD) control criteria. However, these are in-house criteria established because limits for these compounds are not specified in the reference method. Additionally, all associated samples were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8260B: The continuing calibration verification (CCV) standard associated with the in-hold analyses of the following samples was outside control limits: ASH-MW05-072811 (680-70860-5), ASH-MW14-072811 (680-70860-3), ASH-MW16-072811 (680-70860-7). The samples were re-analyzed outside of their analytical holding time. Both sets of data have been reported.

No other analytical or quality issues were noted.

Comments

No additional comments.

Sample Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70860-1

Project/Site: Hercules Hattiesburg APIX 7/28/11

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-70860-1	ASH-RS2-072811	Water	07/28/11 11:05	07/29/11 09:27
680-70860-2	ASH-DUP-072811	Water	07/28/11 00:00	07/29/11 09:27
680-70860-3	ASH-MW14-072811	Water	07/28/11 10:45	07/29/11 09:27
680-70860-4	ASH-MW15-072811	Water	07/28/11 08:03	07/29/11 09:27
680-70860-5	ASH-MW05-072811	Water	07/28/11 09:05	07/29/11 09:27
680-70860-6	ASH-MW06-072811	Water	07/28/11 08:05	07/29/11 09:27
680-70860-7	ASH-MW16-072811	Water	07/28/11 08:53	07/29/11 09:27
680-70860-8	ASH-MW09-072811	Water	07/28/11 10:10	07/29/11 09:27
680-70860-9	ASH-MW07-072811	Water	07/28/11 10:54	07/29/11 09:27
680-70860-10	Trip Blank 063011	Water	07/28/11 00:00	07/29/11 09:27

Method Summary

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV

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

Laboratory References:
TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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Definitions/Glossary

Client: Ashland Inc.

Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
H	Sample was prepped or analyzed beyond the specified holding time
F	MS or MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-RS2-072811

Lab Sample ID: 680-70860-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.6		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: ASH-DUP-072811

Lab Sample ID: 680-70860-2

No Detections

Client Sample ID: ASH-MW14-072811

Lab Sample ID: 680-70860-3

No Detections

Client Sample ID: ASH-MW15-072811

Lab Sample ID: 680-70860-4

No Detections

Client Sample ID: ASH-MW05-072811

Lab Sample ID: 680-70860-5

No Detections

Client Sample ID: ASH-MW06-072811

Lab Sample ID: 680-70860-6

No Detections

Client Sample ID: ASH-MW16-072811

Lab Sample ID: 680-70860-7

No Detections

Client Sample ID: ASH-MW09-072811

Lab Sample ID: 680-70860-8

No Detections

Client Sample ID: ASH-MW07-072811

Lab Sample ID: 680-70860-9

No Detections

Client Sample ID: Trip Blank 063011

Lab Sample ID: 680-70860-10

No Detections

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-RS2-072811

Lab Sample ID: 680-70860-1

Date Collected: 07/28/11 11:05

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/04/11 19:34	1
Acetonitrile	<40		40		ug/L			08/04/11 19:34	1
Acrolein	<20		20		ug/L			08/04/11 19:34	1
Acrylonitrile	<20		20		ug/L			08/04/11 19:34	1
Benzene	<1.0		1.0		ug/L			08/04/11 19:34	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/04/11 19:34	1
Bromoform	<1.0		1.0		ug/L			08/04/11 19:34	1
Bromomethane	<1.0		1.0		ug/L			08/04/11 19:34	1
2-Butanone (MEK)	<10		10		ug/L			08/04/11 19:34	1
Carbon disulfide	<2.0		2.0		ug/L			08/04/11 19:34	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/04/11 19:34	1
Chlorobenzene	<1.0		1.0		ug/L			08/04/11 19:34	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/04/11 19:34	1
Chloroethane	<1.0		1.0		ug/L			08/04/11 19:34	1
Chloroform	1.6		1.0		ug/L			08/04/11 19:34	1
Chloromethane	<1.0		1.0		ug/L			08/04/11 19:34	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/04/11 19:34	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/04/11 19:34	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/04/11 19:34	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/04/11 19:34	1
Dibromomethane	<1.0		1.0		ug/L			08/04/11 19:34	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/04/11 19:34	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/04/11 19:34	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/04/11 19:34	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/04/11 19:34	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/04/11 19:34	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/04/11 19:34	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/04/11 19:34	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/04/11 19:34	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/04/11 19:34	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/04/11 19:34	1
Ethylbenzene	<1.0		1.0		ug/L			08/04/11 19:34	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/04/11 19:34	1
2-Hexanone	<10		10		ug/L			08/04/11 19:34	1
Iodomethane	<5.0		5.0		ug/L			08/04/11 19:34	1
Isobutyl alcohol	<40		40		ug/L			08/04/11 19:34	1
Methacrylonitrile	<20		20		ug/L			08/04/11 19:34	1
Methylene Chloride	<5.0		5.0		ug/L			08/04/11 19:34	1
Methyl methacrylate	<1.0		1.0		ug/L			08/04/11 19:34	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/04/11 19:34	1
Pentachloroethane	<5.0		5.0		ug/L			08/04/11 19:34	1
Propionitrile	<20		20		ug/L			08/04/11 19:34	1
Styrene	<1.0		1.0		ug/L			08/04/11 19:34	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/04/11 19:34	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/04/11 19:34	1
Tetrachloroethene	<1.0		1.0		ug/L			08/04/11 19:34	1
Toluene	<1.0		1.0		ug/L			08/04/11 19:34	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/04/11 19:34	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/04/11 19:34	1
Trichloroethene	<1.0		1.0		ug/L			08/04/11 19:34	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-RS2-072811

Lab Sample ID: 680-70860-1

Date Collected: 07/28/11 11:05

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			08/04/11 19:34	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/04/11 19:34	1
Vinyl acetate	<2.0		2.0		ug/L			08/04/11 19:34	1
Vinyl chloride	<1.0		1.0		ug/L			08/04/11 19:34	1
Xylenes, Total	<2.0		2.0		ug/L			08/04/11 19:34	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		70 - 130		08/04/11 19:34	1
Dibromofluoromethane	105		70 - 130		08/04/11 19:34	1
Toluene-d8 (Surr)	94		70 - 130		08/04/11 19:34	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-DUP-072811

Lab Sample ID: 680-70860-2

Date Collected: 07/28/11 00:00

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/02/11 16:08	1
Acetonitrile	<40		40		ug/L			08/02/11 16:08	1
Acrolein	<20		20		ug/L			08/02/11 16:08	1
Acrylonitrile	<20		20		ug/L			08/02/11 16:08	1
Benzene	<1.0		1.0		ug/L			08/02/11 16:08	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 16:08	1
Bromoform	<1.0	*	1.0		ug/L			08/02/11 16:08	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 16:08	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 16:08	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 16:08	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/02/11 16:08	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 16:08	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 16:08	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 16:08	1
Chloroform	<1.0		1.0		ug/L			08/02/11 16:08	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 16:08	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 16:08	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 16:08	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 16:08	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 16:08	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 16:08	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 16:08	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 16:08	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 16:08	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 16:08	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 16:08	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 16:08	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 16:08	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 16:08	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 16:08	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 16:08	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 16:08	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 16:08	1
2-Hexanone	<10		10		ug/L			08/02/11 16:08	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 16:08	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 16:08	1
Methacrylonitrile	<20		20		ug/L			08/02/11 16:08	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 16:08	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 16:08	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 16:08	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 16:08	1
Propionitrile	<20		20		ug/L			08/02/11 16:08	1
Styrene	<1.0		1.0		ug/L			08/02/11 16:08	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 16:08	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 16:08	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 16:08	1
Toluene	<1.0		1.0		ug/L			08/02/11 16:08	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 16:08	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 16:08	1
Trichloroethene	<1.0		1.0		ug/L			08/02/11 16:08	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-DUP-072811

Lab Sample ID: 680-70860-2

Date Collected: 07/28/11 00:00

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			08/02/11 16:08	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 16:08	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 16:08	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 16:08	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 16:08	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		70 - 130		08/02/11 16:08	1
Dibromofluoromethane	108		70 - 130		08/02/11 16:08	1
Toluene-d8 (Surr)	98		70 - 130		08/02/11 16:08	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW14-072811

Lab Sample ID: 680-70860-3

Date Collected: 07/28/11 10:45

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/02/11 14:55	1
Acetonitrile	<40		40		ug/L			08/02/11 14:55	1
Acrolein	<20		20		ug/L			08/02/11 14:55	1
Acrylonitrile	<20		20		ug/L			08/02/11 14:55	1
Benzene	<1.0		1.0		ug/L			08/02/11 14:55	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 14:55	1
Bromoform	<1.0	*	1.0		ug/L			08/02/11 14:55	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 14:55	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 14:55	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 14:55	1
Carbon tetrachloride	<1.0	*	1.0		ug/L			08/02/11 14:55	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 14:55	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 14:55	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 14:55	1
Chloroform	<1.0		1.0		ug/L			08/02/11 14:55	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 14:55	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 14:55	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 14:55	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 14:55	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 14:55	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 14:55	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 14:55	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 14:55	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 14:55	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 14:55	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 14:55	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 14:55	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 14:55	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 14:55	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 14:55	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 14:55	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 14:55	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 14:55	1
2-Hexanone	<10		10		ug/L			08/02/11 14:55	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 14:55	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 14:55	1
Methacrylonitrile	<20		20		ug/L			08/02/11 14:55	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 14:55	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 14:55	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 14:55	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 14:55	1
Propionitrile	<20		20		ug/L			08/02/11 14:55	1
Styrene	<1.0		1.0		ug/L			08/02/11 14:55	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 14:55	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 14:55	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 14:55	1
Toluene	<1.0		1.0		ug/L			08/02/11 14:55	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 14:55	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 14:55	1
Trichloroethene	<1.0		1.0		ug/L			08/02/11 14:55	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW14-072811

Lab Sample ID: 680-70860-3

Date Collected: 07/28/11 10:45

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			08/02/11 14:55	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 14:55	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 14:55	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 14:55	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 14:55	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		70 - 130		08/02/11 14:55	1
Dibromofluoromethane	102		70 - 130		08/02/11 14:55	1
Toluene-d8 (Surr)	97		70 - 130		08/02/11 14:55	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25	H	25		ug/L			08/08/11 21:13	1
Acetonitrile	<40	H	40		ug/L			08/08/11 21:13	1
Acrolein	<20	H	20		ug/L			08/08/11 21:13	1
Acrylonitrile	<20	H	20		ug/L			08/08/11 21:13	1
Benzene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Dichlorobromomethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Bromoform	<1.0	H *	1.0		ug/L			08/08/11 21:13	1
Bromomethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
2-Butanone (MEK)	<10	H	10		ug/L			08/08/11 21:13	1
Carbon disulfide	<2.0	H	2.0		ug/L			08/08/11 21:13	1
Carbon tetrachloride	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Chlorobenzene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
2-Chloro-1,3-butadiene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Chloroethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Chloroform	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Chloromethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
3-Chloro-1-propene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Chlorodibromomethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
1,2-Dibromo-3-Chloropropane	<1.0	H *	1.0		ug/L			08/08/11 21:13	1
Ethylene Dibromide	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Dibromomethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
trans-1,4-Dichloro-2-butene	<2.0	H	2.0		ug/L			08/08/11 21:13	1
Dichlorodifluoromethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
1,1-Dichloroethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
1,2-Dichloroethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
cis-1,2-Dichloroethene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
trans-1,2-Dichloroethene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
1,1-Dichloroethene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
1,2-Dichloropropane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
cis-1,3-Dichloropropene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
trans-1,3-Dichloropropene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Ethylbenzene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Ethyl methacrylate	<1.0	H	1.0		ug/L			08/08/11 21:13	1
2-Hexanone	<10	H	10		ug/L			08/08/11 21:13	1
Iodomethane	<5.0	H	5.0		ug/L			08/08/11 21:13	1
Isobutyl alcohol	<40	H	40		ug/L			08/08/11 21:13	1
Methacrylonitrile	<20	H	20		ug/L			08/08/11 21:13	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW14-072811

Lab Sample ID: 680-70860-3

Date Collected: 07/28/11 10:45

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<5.0	H	5.0		ug/L			08/08/11 21:13	1
Methyl methacrylate	<1.0	H	1.0		ug/L			08/08/11 21:13	1
4-Methyl-2-pentanone (MIBK)	<10	H	10		ug/L			08/08/11 21:13	1
Pentachloroethane	<5.0	H	5.0		ug/L			08/08/11 21:13	1
Propionitrile	<20	H	20		ug/L			08/08/11 21:13	1
Styrene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
1,1,1,2-Tetrachloroethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
1,1,2,2-Tetrachloroethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Tetrachloroethene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Toluene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
1,1,1-Trichloroethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
1,1,2-Trichloroethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Trichloroethene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Trichlorofluoromethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
1,2,3-Trichloropropane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Vinyl acetate	<2.0	H	2.0		ug/L			08/08/11 21:13	1
Vinyl chloride	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Xylenes, Total	<2.0	H	2.0		ug/L			08/08/11 21:13	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		70 - 130					08/08/11 21:13	1
Dibromofluoromethane	107		70 - 130					08/08/11 21:13	1
Toluene-d8 (Surr)	100		70 - 130					08/08/11 21:13	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW15-072811

Lab Sample ID: 680-70860-4

Date Collected: 07/28/11 08:03

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/02/11 16:38	1
Acetonitrile	<40		40		ug/L			08/02/11 16:38	1
Acrolein	<20		20		ug/L			08/02/11 16:38	1
Acrylonitrile	<20		20		ug/L			08/02/11 16:38	1
Benzene	<1.0		1.0		ug/L			08/02/11 16:38	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 16:38	1
Bromoform	<1.0	*	1.0		ug/L			08/02/11 16:38	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 16:38	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 16:38	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 16:38	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/02/11 16:38	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 16:38	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 16:38	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 16:38	1
Chloroform	<1.0		1.0		ug/L			08/02/11 16:38	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 16:38	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 16:38	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 16:38	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 16:38	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 16:38	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 16:38	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 16:38	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 16:38	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 16:38	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 16:38	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 16:38	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 16:38	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 16:38	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 16:38	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 16:38	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 16:38	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 16:38	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 16:38	1
2-Hexanone	<10		10		ug/L			08/02/11 16:38	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 16:38	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 16:38	1
Methacrylonitrile	<20		20		ug/L			08/02/11 16:38	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 16:38	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 16:38	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 16:38	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 16:38	1
Propionitrile	<20		20		ug/L			08/02/11 16:38	1
Styrene	<1.0		1.0		ug/L			08/02/11 16:38	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 16:38	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 16:38	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 16:38	1
Toluene	<1.0		1.0		ug/L			08/02/11 16:38	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 16:38	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 16:38	1
Trichloroethene	<1.0		1.0		ug/L			08/02/11 16:38	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW15-072811

Lab Sample ID: 680-70860-4

Date Collected: 07/28/11 08:03

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			08/02/11 16:38	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 16:38	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 16:38	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 16:38	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 16:38	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		70 - 130		08/02/11 16:38	1
Dibromofluoromethane	107		70 - 130		08/02/11 16:38	1
Toluene-d8 (Surr)	101		70 - 130		08/02/11 16:38	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW05-072811

Lab Sample ID: 680-70860-5

Date Collected: 07/28/11 09:05

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/02/11 13:56	1
Acetonitrile	<40		40		ug/L			08/02/11 13:56	1
Acrolein	<20		20		ug/L			08/02/11 13:56	1
Acrylonitrile	<20		20		ug/L			08/02/11 13:56	1
Benzene	<1.0		1.0		ug/L			08/02/11 13:56	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 13:56	1
Bromoform	<1.0	*	1.0		ug/L			08/02/11 13:56	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 13:56	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 13:56	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 13:56	1
Carbon tetrachloride	<1.0	*	1.0		ug/L			08/02/11 13:56	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 13:56	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 13:56	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 13:56	1
Chloroform	<1.0		1.0		ug/L			08/02/11 13:56	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 13:56	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 13:56	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 13:56	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 13:56	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 13:56	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 13:56	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 13:56	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 13:56	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 13:56	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 13:56	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 13:56	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 13:56	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 13:56	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 13:56	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 13:56	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 13:56	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 13:56	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 13:56	1
2-Hexanone	<10		10		ug/L			08/02/11 13:56	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 13:56	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 13:56	1
Methacrylonitrile	<20		20		ug/L			08/02/11 13:56	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 13:56	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 13:56	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 13:56	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 13:56	1
Propionitrile	<20		20		ug/L			08/02/11 13:56	1
Styrene	<1.0		1.0		ug/L			08/02/11 13:56	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 13:56	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 13:56	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 13:56	1
Toluene	<1.0		1.0		ug/L			08/02/11 13:56	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 13:56	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 13:56	1
Trichloroethene	<1.0		1.0		ug/L			08/02/11 13:56	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW05-072811

Lab Sample ID: 680-70860-5

Date Collected: 07/28/11 09:05

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			08/02/11 13:56	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 13:56	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 13:56	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 13:56	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 13:56	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		70 - 130		08/02/11 13:56	1
Dibromofluoromethane	101		70 - 130		08/02/11 13:56	1
Toluene-d8 (Surr)	100		70 - 130		08/02/11 13:56	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25	H	25		ug/L			08/08/11 20:29	1
Acetonitrile	<40	H	40		ug/L			08/08/11 20:29	1
Acrolein	<20	H	20		ug/L			08/08/11 20:29	1
Acrylonitrile	<20	H	20		ug/L			08/08/11 20:29	1
Benzene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Dichlorobromomethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Bromoform	<1.0	H *	1.0		ug/L			08/08/11 20:29	1
Bromomethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
2-Butanone (MEK)	<10	H	10		ug/L			08/08/11 20:29	1
Carbon disulfide	<2.0	H	2.0		ug/L			08/08/11 20:29	1
Carbon tetrachloride	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Chlorobenzene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
2-Chloro-1,3-butadiene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Chloroethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Chloroform	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Chloromethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
3-Chloro-1-propene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Chlorodibromomethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
1,2-Dibromo-3-Chloropropane	<1.0	H *	1.0		ug/L			08/08/11 20:29	1
Ethylene Dibromide	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Dibromomethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
trans-1,4-Dichloro-2-butene	<2.0	H	2.0		ug/L			08/08/11 20:29	1
Dichlorodifluoromethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
1,1-Dichloroethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
1,2-Dichloroethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
cis-1,2-Dichloroethene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
trans-1,2-Dichloroethene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
1,1-Dichloroethene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
1,2-Dichloropropane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
cis-1,3-Dichloropropene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
trans-1,3-Dichloropropene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Ethylbenzene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Ethyl methacrylate	<1.0	H	1.0		ug/L			08/08/11 20:29	1
2-Hexanone	<10	H	10		ug/L			08/08/11 20:29	1
Iodomethane	<5.0	H	5.0		ug/L			08/08/11 20:29	1
Isobutyl alcohol	<40	H	40		ug/L			08/08/11 20:29	1
Methacrylonitrile	<20	H	20		ug/L			08/08/11 20:29	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW05-072811

Lab Sample ID: 680-70860-5

Date Collected: 07/28/11 09:05

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<5.0	H	5.0		ug/L			08/08/11 20:29	1
Methyl methacrylate	<1.0	H	1.0		ug/L			08/08/11 20:29	1
4-Methyl-2-pentanone (MIBK)	<10	H	10		ug/L			08/08/11 20:29	1
Pentachloroethane	<5.0	H	5.0		ug/L			08/08/11 20:29	1
Propionitrile	<20	H	20		ug/L			08/08/11 20:29	1
Styrene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
1,1,1,2-Tetrachloroethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
1,1,2,2-Tetrachloroethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Tetrachloroethene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Toluene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
1,1,1-Trichloroethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
1,1,2-Trichloroethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Trichloroethene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Trichlorofluoromethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
1,2,3-Trichloropropane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Vinyl acetate	<2.0	H	2.0		ug/L			08/08/11 20:29	1
Vinyl chloride	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Xylenes, Total	<2.0	H	2.0		ug/L			08/08/11 20:29	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	91		70 - 130					08/08/11 20:29	1
Dibromofluoromethane	109		70 - 130					08/08/11 20:29	1
Toluene-d8 (Surr)	100		70 - 130					08/08/11 20:29	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW06-072811

Lab Sample ID: 680-70860-6

Date Collected: 07/28/11 08:05

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/02/11 17:07	1
Acetonitrile	<40		40		ug/L			08/02/11 17:07	1
Acrolein	<20		20		ug/L			08/02/11 17:07	1
Acrylonitrile	<20		20		ug/L			08/02/11 17:07	1
Benzene	<1.0		1.0		ug/L			08/02/11 17:07	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 17:07	1
Bromoform	<1.0	*	1.0		ug/L			08/02/11 17:07	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 17:07	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 17:07	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 17:07	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/02/11 17:07	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 17:07	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 17:07	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 17:07	1
Chloroform	<1.0		1.0		ug/L			08/02/11 17:07	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 17:07	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 17:07	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 17:07	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 17:07	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 17:07	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 17:07	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 17:07	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 17:07	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 17:07	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 17:07	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 17:07	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 17:07	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 17:07	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 17:07	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 17:07	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 17:07	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 17:07	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 17:07	1
2-Hexanone	<10		10		ug/L			08/02/11 17:07	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 17:07	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 17:07	1
Methacrylonitrile	<20		20		ug/L			08/02/11 17:07	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 17:07	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 17:07	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 17:07	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 17:07	1
Propionitrile	<20		20		ug/L			08/02/11 17:07	1
Styrene	<1.0		1.0		ug/L			08/02/11 17:07	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 17:07	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 17:07	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 17:07	1
Toluene	<1.0		1.0		ug/L			08/02/11 17:07	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 17:07	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 17:07	1
Trichloroethene	<1.0		1.0		ug/L			08/02/11 17:07	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW06-072811

Lab Sample ID: 680-70860-6

Date Collected: 07/28/11 08:05

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			08/02/11 17:07	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 17:07	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 17:07	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 17:07	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 17:07	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		08/02/11 17:07	1
Dibromofluoromethane	107		70 - 130		08/02/11 17:07	1
Toluene-d8 (Surr)	100		70 - 130		08/02/11 17:07	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW16-072811

Lab Sample ID: 680-70860-7

Date Collected: 07/28/11 08:53

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/02/11 14:25	1
Acetonitrile	<40		40		ug/L			08/02/11 14:25	1
Acrolein	<20		20		ug/L			08/02/11 14:25	1
Acrylonitrile	<20		20		ug/L			08/02/11 14:25	1
Benzene	<1.0		1.0		ug/L			08/02/11 14:25	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 14:25	1
Bromoform	<1.0	*	1.0		ug/L			08/02/11 14:25	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 14:25	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 14:25	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 14:25	1
Carbon tetrachloride	<1.0	*	1.0		ug/L			08/02/11 14:25	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 14:25	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 14:25	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 14:25	1
Chloroform	<1.0		1.0		ug/L			08/02/11 14:25	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 14:25	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 14:25	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 14:25	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 14:25	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 14:25	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 14:25	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 14:25	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 14:25	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 14:25	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 14:25	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 14:25	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 14:25	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 14:25	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 14:25	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 14:25	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 14:25	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 14:25	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 14:25	1
2-Hexanone	<10		10		ug/L			08/02/11 14:25	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 14:25	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 14:25	1
Methacrylonitrile	<20		20		ug/L			08/02/11 14:25	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 14:25	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 14:25	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 14:25	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 14:25	1
Propionitrile	<20		20		ug/L			08/02/11 14:25	1
Styrene	<1.0		1.0		ug/L			08/02/11 14:25	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 14:25	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 14:25	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 14:25	1
Toluene	<1.0		1.0		ug/L			08/02/11 14:25	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 14:25	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 14:25	1
Trichloroethene	<1.0		1.0		ug/L			08/02/11 14:25	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW16-072811

Lab Sample ID: 680-70860-7

Date Collected: 07/28/11 08:53

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			08/02/11 14:25	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 14:25	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 14:25	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 14:25	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 14:25	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		70 - 130		08/02/11 14:25	1
Dibromofluoromethane	101		70 - 130		08/02/11 14:25	1
Toluene-d8 (Surr)	99		70 - 130		08/02/11 14:25	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25	H	25		ug/L			08/08/11 20:51	1
Acetonitrile	<40	H	40		ug/L			08/08/11 20:51	1
Acrolein	<20	H	20		ug/L			08/08/11 20:51	1
Acrylonitrile	<20	H	20		ug/L			08/08/11 20:51	1
Benzene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Dichlorobromomethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Bromoform	<1.0	H *	1.0		ug/L			08/08/11 20:51	1
Bromomethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
2-Butanone (MEK)	<10	H	10		ug/L			08/08/11 20:51	1
Carbon disulfide	<2.0	H	2.0		ug/L			08/08/11 20:51	1
Carbon tetrachloride	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Chlorobenzene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
2-Chloro-1,3-butadiene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Chloroethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Chloroform	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Chloromethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
3-Chloro-1-propene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Chlorodibromomethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
1,2-Dibromo-3-Chloropropane	<1.0	H *	1.0		ug/L			08/08/11 20:51	1
Ethylene Dibromide	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Dibromomethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
trans-1,4-Dichloro-2-butene	<2.0	H	2.0		ug/L			08/08/11 20:51	1
Dichlorodifluoromethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
1,1-Dichloroethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
1,2-Dichloroethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
cis-1,2-Dichloroethene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
trans-1,2-Dichloroethene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
1,1-Dichloroethene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
1,2-Dichloropropane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
cis-1,3-Dichloropropene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
trans-1,3-Dichloropropene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Ethylbenzene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Ethyl methacrylate	<1.0	H	1.0		ug/L			08/08/11 20:51	1
2-Hexanone	<10	H	10		ug/L			08/08/11 20:51	1
Iodomethane	<5.0	H	5.0		ug/L			08/08/11 20:51	1
Isobutyl alcohol	<40	H	40		ug/L			08/08/11 20:51	1
Methacrylonitrile	<20	H	20		ug/L			08/08/11 20:51	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW16-072811

Lab Sample ID: 680-70860-7

Date Collected: 07/28/11 08:53

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<5.0	H	5.0		ug/L			08/08/11 20:51	1
Methyl methacrylate	<1.0	H	1.0		ug/L			08/08/11 20:51	1
4-Methyl-2-pentanone (MIBK)	<10	H	10		ug/L			08/08/11 20:51	1
Pentachloroethane	<5.0	H	5.0		ug/L			08/08/11 20:51	1
Propionitrile	<20	H	20		ug/L			08/08/11 20:51	1
Styrene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
1,1,1,2-Tetrachloroethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
1,1,2,2-Tetrachloroethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Tetrachloroethene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Toluene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
1,1,1-Trichloroethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
1,1,2-Trichloroethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Trichloroethene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Trichlorofluoromethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
1,2,3-Trichloropropane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Vinyl acetate	<2.0	H	2.0		ug/L			08/08/11 20:51	1
Vinyl chloride	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Xylenes, Total	<2.0	H	2.0		ug/L			08/08/11 20:51	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		70 - 130					08/08/11 20:51	1
Dibromofluoromethane	109		70 - 130					08/08/11 20:51	1
Toluene-d8 (Surr)	97		70 - 130					08/08/11 20:51	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW09-072811

Lab Sample ID: 680-70860-8

Date Collected: 07/28/11 10:10

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/02/11 15:10	1
Acetonitrile	<40		40		ug/L			08/02/11 15:10	1
Acrolein	<20		20		ug/L			08/02/11 15:10	1
Acrylonitrile	<20		20		ug/L			08/02/11 15:10	1
Benzene	<1.0		1.0		ug/L			08/02/11 15:10	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 15:10	1
Bromoform	<1.0	*	1.0		ug/L			08/02/11 15:10	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 15:10	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 15:10	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 15:10	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/02/11 15:10	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 15:10	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 15:10	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 15:10	1
Chloroform	<1.0		1.0		ug/L			08/02/11 15:10	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 15:10	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 15:10	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 15:10	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 15:10	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 15:10	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 15:10	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 15:10	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 15:10	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 15:10	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 15:10	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 15:10	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 15:10	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 15:10	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 15:10	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 15:10	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 15:10	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 15:10	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 15:10	1
2-Hexanone	<10		10		ug/L			08/02/11 15:10	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 15:10	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 15:10	1
Methacrylonitrile	<20		20		ug/L			08/02/11 15:10	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 15:10	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 15:10	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 15:10	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 15:10	1
Propionitrile	<20		20		ug/L			08/02/11 15:10	1
Styrene	<1.0		1.0		ug/L			08/02/11 15:10	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 15:10	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 15:10	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 15:10	1
Toluene	<1.0		1.0		ug/L			08/02/11 15:10	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 15:10	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 15:10	1
Trichloroethene	<1.0		1.0		ug/L			08/02/11 15:10	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW09-072811

Lab Sample ID: 680-70860-8

Date Collected: 07/28/11 10:10

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			08/02/11 15:10	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 15:10	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 15:10	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 15:10	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 15:10	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		70 - 130		08/02/11 15:10	1
Dibromofluoromethane	106		70 - 130		08/02/11 15:10	1
Toluene-d8 (Surr)	99		70 - 130		08/02/11 15:10	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW07-072811

Lab Sample ID: 680-70860-9

Date Collected: 07/28/11 10:54

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/02/11 15:39	1
Acetonitrile	<40		40		ug/L			08/02/11 15:39	1
Acrolein	<20		20		ug/L			08/02/11 15:39	1
Acrylonitrile	<20		20		ug/L			08/02/11 15:39	1
Benzene	<1.0		1.0		ug/L			08/02/11 15:39	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 15:39	1
Bromoform	<1.0	*	1.0		ug/L			08/02/11 15:39	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 15:39	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 15:39	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 15:39	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/02/11 15:39	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 15:39	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 15:39	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 15:39	1
Chloroform	<1.0		1.0		ug/L			08/02/11 15:39	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 15:39	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 15:39	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 15:39	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 15:39	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 15:39	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 15:39	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 15:39	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 15:39	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 15:39	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 15:39	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 15:39	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 15:39	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 15:39	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 15:39	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 15:39	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 15:39	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 15:39	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 15:39	1
2-Hexanone	<10		10		ug/L			08/02/11 15:39	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 15:39	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 15:39	1
Methacrylonitrile	<20		20		ug/L			08/02/11 15:39	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 15:39	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 15:39	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 15:39	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 15:39	1
Propionitrile	<20		20		ug/L			08/02/11 15:39	1
Styrene	<1.0		1.0		ug/L			08/02/11 15:39	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 15:39	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 15:39	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 15:39	1
Toluene	<1.0		1.0		ug/L			08/02/11 15:39	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 15:39	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 15:39	1
Trichloroethene	<1.0		1.0		ug/L			08/02/11 15:39	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW07-072811

Lab Sample ID: 680-70860-9

Date Collected: 07/28/11 10:54

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			08/02/11 15:39	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 15:39	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 15:39	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 15:39	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 15:39	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		70 - 130		08/02/11 15:39	1
Dibromofluoromethane	107		70 - 130		08/02/11 15:39	1
Toluene-d8 (Surr)	100		70 - 130		08/02/11 15:39	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: Trip Blank 063011

Lab Sample ID: 680-70860-10

Date Collected: 07/28/11 00:00

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/02/11 14:40	1
Acetonitrile	<40		40		ug/L			08/02/11 14:40	1
Acrolein	<20		20		ug/L			08/02/11 14:40	1
Acrylonitrile	<20		20		ug/L			08/02/11 14:40	1
Benzene	<1.0		1.0		ug/L			08/02/11 14:40	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 14:40	1
Bromoform	<1.0	*	1.0		ug/L			08/02/11 14:40	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 14:40	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 14:40	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 14:40	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/02/11 14:40	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 14:40	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 14:40	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 14:40	1
Chloroform	<1.0		1.0		ug/L			08/02/11 14:40	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 14:40	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 14:40	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 14:40	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 14:40	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 14:40	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 14:40	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 14:40	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 14:40	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 14:40	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 14:40	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 14:40	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 14:40	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 14:40	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 14:40	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 14:40	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 14:40	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 14:40	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 14:40	1
2-Hexanone	<10		10		ug/L			08/02/11 14:40	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 14:40	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 14:40	1
Methacrylonitrile	<20		20		ug/L			08/02/11 14:40	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 14:40	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 14:40	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 14:40	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 14:40	1
Propionitrile	<20		20		ug/L			08/02/11 14:40	1
Styrene	<1.0		1.0		ug/L			08/02/11 14:40	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 14:40	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 14:40	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 14:40	1
Toluene	<1.0		1.0		ug/L			08/02/11 14:40	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 14:40	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 14:40	1
Trichloroethene	<1.0		1.0		ug/L			08/02/11 14:40	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: Trip Blank 063011

Lab Sample ID: 680-70860-10

Date Collected: 07/28/11 00:00

Matrix: Water

Date Received: 07/29/11 09:27

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			08/02/11 14:40	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 14:40	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 14:40	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 14:40	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 14:40	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		70 - 130		08/02/11 14:40	1
Dibromofluoromethane	108		70 - 130		08/02/11 14:40	1
Toluene-d8 (Surr)	102		70 - 130		08/02/11 14:40	1

Surrogate Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70860-1

Project/Site: Hercules Hattiesburg APIX 7/28/11

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (70-130)	DBFM (70-130)	TOL (70-130)
680-70860-1	ASH-RS2-072811	107	105	94
680-70860-2	ASH-DUP-072811	95	108	98
680-70860-3 - RA	ASH-MW14-072811	94	107	100
680-70860-3	ASH-MW14-072811	101	102	97
680-70860-3 MS	ASH-MW14-072811	96	98	95
680-70860-3 MSD	ASH-MW14-072811	100	102	98
680-70860-4	ASH-MW15-072811	96	107	101
680-70860-5 - RA	ASH-MW05-072811	91	109	100
680-70860-5	ASH-MW05-072811	99	101	100
680-70860-6	ASH-MW06-072811	93	107	100
680-70860-7 - RA	ASH-MW16-072811	95	109	97
680-70860-7	ASH-MW16-072811	99	101	99
680-70860-8	ASH-MW09-072811	98	106	99
680-70860-9	ASH-MW07-072811	92	107	100
680-70860-10	Trip Blank 063011	94	108	102
LCS 680-210749/12	Lab Control Sample	103	108	103
LCS 680-211111/6	Lab Control Sample	101	103	97
LCS 680-211446/20	Lab Control Sample	108	115	109
LCS 680-211655/4	Lab Control Sample	93	92	93
LCSD 680-210749/13	Lab Control Sample Dup	102	102	98
LCSD 680-211111/7	Lab Control Sample Dup	102	103	99
LCSD 680-211446/21	Lab Control Sample Dup	97	104	101
LCSD 680-211655/5	Lab Control Sample Dup	98	100	95
MB 680-210749/14	Method Blank	94	107	99
MB 680-211111/9	Method Blank	110	107	95
MB 680-211446/23	Method Blank	93	108	100
MB 680-211655/7	Method Blank	98	101	96

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-210749/14

Matrix: Water

Analysis Batch: 210749

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	Result	MB MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/02/11 11:15	1
Acetonitrile	<40		40		ug/L			08/02/11 11:15	1
Acrolein	<20		20		ug/L			08/02/11 11:15	1
Acrylonitrile	<20		20		ug/L			08/02/11 11:15	1
Benzene	<1.0		1.0		ug/L			08/02/11 11:15	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 11:15	1
Bromoform	<1.0		1.0		ug/L			08/02/11 11:15	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 11:15	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 11:15	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 11:15	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/02/11 11:15	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 11:15	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 11:15	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 11:15	1
Chloroform	<1.0		1.0		ug/L			08/02/11 11:15	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 11:15	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 11:15	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 11:15	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 11:15	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 11:15	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 11:15	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 11:15	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 11:15	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 11:15	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 11:15	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 11:15	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 11:15	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 11:15	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 11:15	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 11:15	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 11:15	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 11:15	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 11:15	1
2-Hexanone	<10		10		ug/L			08/02/11 11:15	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 11:15	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 11:15	1
Methacrylonitrile	<20		20		ug/L			08/02/11 11:15	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 11:15	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 11:15	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 11:15	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 11:15	1
Propionitrile	<20		20		ug/L			08/02/11 11:15	1
Styrene	<1.0		1.0		ug/L			08/02/11 11:15	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 11:15	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 11:15	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 11:15	1
Toluene	<1.0		1.0		ug/L			08/02/11 11:15	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 11:15	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 11:15	1

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210749/14

Matrix: Water

Analysis Batch: 210749

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<1.0		1.0		ug/L			08/02/11 11:15	1
Trichlorofluoromethane	<1.0		1.0		ug/L			08/02/11 11:15	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 11:15	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 11:15	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 11:15	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 11:15	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		70 - 130		08/02/11 11:15	1
Dibromofluoromethane	107		70 - 130		08/02/11 11:15	1
Toluene-d8 (Surr)	99		70 - 130		08/02/11 11:15	1

Lab Sample ID: LCS 680-210749/12

Matrix: Water

Analysis Batch: 210749

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	126		ug/L		126	26 - 180
Benzene	50.0	49.8		ug/L		100	70 - 130
Dichlorobromomethane	50.0	45.3		ug/L		91	70 - 130
Bromoform	50.0	34.8		ug/L		70	70 - 130
Bromomethane	50.0	27.7		ug/L		55	23 - 165
2-Butanone (MEK)	100	109		ug/L		109	49 - 172
Carbon disulfide	50.0	48.4		ug/L		97	54 - 132
Carbon tetrachloride	50.0	37.8		ug/L		76	70 - 130
Chlorobenzene	50.0	52.9		ug/L		106	70 - 130
Chloroethane	50.0	49.2		ug/L		98	56 - 152
Chloroform	50.0	52.2		ug/L		104	70 - 130
Chloromethane	50.0	53.3		ug/L		107	70 - 130
Chlorodibromomethane	50.0	41.3		ug/L		83	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	36.7		ug/L		73	70 - 130
Ethylene Dibromide	50.0	52.7		ug/L		105	70 - 130
Dibromomethane	50.0	51.1		ug/L		102	70 - 130
Dichlorodifluoromethane	50.0	52.3		ug/L		105	44 - 146
1,1-Dichloroethane	50.0	50.4		ug/L		101	70 - 130
1,2-Dichloroethane	50.0	49.5		ug/L		99	70 - 130
cis-1,2-Dichloroethene	50.0	52.6		ug/L		105	70 - 130
trans-1,2-Dichloroethene	50.0	52.3		ug/L		105	70 - 130
1,1-Dichloroethene	50.0	53.0		ug/L		106	66 - 131
1,2-Dichloropropane	50.0	49.3		ug/L		99	70 - 130
cis-1,3-Dichloropropene	50.0	45.8		ug/L		92	70 - 130
trans-1,3-Dichloropropene	50.0	45.4		ug/L		91	70 - 130
Ethylbenzene	50.0	50.7		ug/L		101	70 - 130
2-Hexanone	100	114		ug/L		114	42 - 185
Methylene Chloride	50.0	53.1		ug/L		106	67 - 130
4-Methyl-2-pentanone (MIBK)	100	97.5		ug/L		98	70 - 130
Styrene	50.0	53.8		ug/L		108	70 - 130
1,1,1,2-Tetrachloroethane	50.0	44.6		ug/L		89	70 - 130
1,1,2,2-Tetrachloroethane	50.0	51.0		ug/L		102	70 - 130

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210749/12

Matrix: Water

Analysis Batch: 210749

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	% Rec	% Rec.
	Added	Result	Qualifier				Limits
Tetrachloroethene	50.0	53.2		ug/L		106	70 - 130
Toluene	50.0	50.7		ug/L		101	70 - 130
1,1,1-Trichloroethane	50.0	46.6		ug/L		93	70 - 130
1,1,2-Trichloroethane	50.0	52.4		ug/L		105	70 - 130
Trichloroethene	50.0	51.9		ug/L		104	70 - 130
Trichlorofluoromethane	50.0	52.5		ug/L		105	55 - 156
1,2,3-Trichloropropane	50.0	52.3		ug/L		105	70 - 130
Vinyl acetate	100	94.8		ug/L		95	60 - 176
Vinyl chloride	50.0	53.6		ug/L		107	67 - 134
Xylenes, Total	150	157		ug/L		105	70 - 130

Surrogate	LCS	LCS	Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	103		70 - 130
Dibromofluoromethane	108		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Lab Sample ID: LCSD 680-210749/13

Matrix: Water

Analysis Batch: 210749

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	% Rec	% Rec.	RPD	Limit
	Added	Result	Qualifier				Limits		
Acetone	100	122		ug/L		122	26 - 180	3	50
Benzene	50.0	47.8		ug/L		96	70 - 130	4	30
Dichlorobromomethane	50.0	42.9		ug/L		86	70 - 130	5	30
Bromoform	50.0	33.0	*	ug/L		66	70 - 130	5	30
Bromomethane	50.0	28.5		ug/L		57	23 - 165	3	50
2-Butanone (MEK)	100	106		ug/L		106	49 - 172	3	30
Carbon disulfide	50.0	46.5		ug/L		93	54 - 132	4	30
Carbon tetrachloride	50.0	37.1		ug/L		74	70 - 130	2	30
Chlorobenzene	50.0	50.7		ug/L		101	70 - 130	4	30
Chloroethane	50.0	47.8		ug/L		96	56 - 152	3	40
Chloroform	50.0	50.8		ug/L		102	70 - 130	3	30
Chloromethane	50.0	51.0		ug/L		102	70 - 130	5	30
Chlorodibromomethane	50.0	38.9		ug/L		78	70 - 130	6	50
1,2-Dibromo-3-Chloropropane	50.0	35.7		ug/L		71	70 - 130	3	50
Ethylene Dibromide	50.0	48.4		ug/L		97	70 - 130	9	30
Dibromomethane	50.0	49.1		ug/L		98	70 - 130	4	30
Dichlorodifluoromethane	50.0	52.4		ug/L		105	44 - 146	0	50
1,1-Dichloroethane	50.0	48.5		ug/L		97	70 - 130	4	30
1,2-Dichloroethane	50.0	47.5		ug/L		95	70 - 130	4	30
cis-1,2-Dichloroethene	50.0	49.5		ug/L		99	70 - 130	6	30
trans-1,2-Dichloroethene	50.0	50.2		ug/L		100	70 - 130	4	30
1,1-Dichloroethene	50.0	52.3		ug/L		105	66 - 131	1	30
1,2-Dichloropropane	50.0	46.9		ug/L		94	70 - 130	5	30
cis-1,3-Dichloropropene	50.0	43.9		ug/L		88	70 - 130	4	30
trans-1,3-Dichloropropene	50.0	42.1		ug/L		84	70 - 130	8	50
Ethylbenzene	50.0	48.4		ug/L		97	70 - 130	5	30
2-Hexanone	100	109		ug/L		109	42 - 185	4	30
Methylene Chloride	50.0	51.1		ug/L		102	67 - 130	4	30

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-210749/13

Matrix: Water

Analysis Batch: 210749

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	100	93.7		ug/L		94	70 - 130	4	30
Styrene	50.0	52.3		ug/L		105	70 - 130	3	30
1,1,1,2-Tetrachloroethane	50.0	41.5		ug/L		83	70 - 130	7	30
1,1,2,2-Tetrachloroethane	50.0	49.3		ug/L		99	70 - 130	3	30
Tetrachloroethene	50.0	51.1		ug/L		102	70 - 130	4	30
Toluene	50.0	47.0		ug/L		94	70 - 130	8	30
1,1,1-Trichloroethane	50.0	44.1		ug/L		88	70 - 130	6	30
1,1,2-Trichloroethane	50.0	48.7		ug/L		97	70 - 130	7	30
Trichloroethene	50.0	50.2		ug/L		100	70 - 130	3	30
Trichlorofluoromethane	50.0	52.7		ug/L		105	55 - 156	0	30
1,2,3-Trichloropropane	50.0	50.4		ug/L		101	70 - 130	4	30
Vinyl acetate	100	96.1		ug/L		96	60 - 176	1	30
Vinyl chloride	50.0	51.6		ug/L		103	67 - 134	4	30
Xylenes, Total	150	152		ug/L		101	70 - 130	4	30

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	102		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: MB 680-211111/9

Matrix: Water

Analysis Batch: 211111

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/04/11 12:39	1
Acetonitrile	<40		40		ug/L			08/04/11 12:39	1
Acrolein	<20		20		ug/L			08/04/11 12:39	1
Acrylonitrile	<20		20		ug/L			08/04/11 12:39	1
Benzene	<1.0		1.0		ug/L			08/04/11 12:39	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/04/11 12:39	1
Bromoform	<1.0		1.0		ug/L			08/04/11 12:39	1
Bromomethane	<1.0		1.0		ug/L			08/04/11 12:39	1
2-Butanone (MEK)	<10		10		ug/L			08/04/11 12:39	1
Carbon disulfide	<2.0		2.0		ug/L			08/04/11 12:39	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/04/11 12:39	1
Chlorobenzene	<1.0		1.0		ug/L			08/04/11 12:39	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/04/11 12:39	1
Chloroethane	<1.0		1.0		ug/L			08/04/11 12:39	1
Chloroform	<1.0		1.0		ug/L			08/04/11 12:39	1
Chloromethane	<1.0		1.0		ug/L			08/04/11 12:39	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/04/11 12:39	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/04/11 12:39	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/04/11 12:39	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/04/11 12:39	1
Dibromomethane	<1.0		1.0		ug/L			08/04/11 12:39	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/04/11 12:39	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/04/11 12:39	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/04/11 12:39	1

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-211111/9

Matrix: Water

Analysis Batch: 211111

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<1.0		1.0		ug/L			08/04/11 12:39	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/04/11 12:39	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/04/11 12:39	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/04/11 12:39	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/04/11 12:39	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/04/11 12:39	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/04/11 12:39	1
Ethylbenzene	<1.0		1.0		ug/L			08/04/11 12:39	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/04/11 12:39	1
2-Hexanone	<10		10		ug/L			08/04/11 12:39	1
Iodomethane	<5.0		5.0		ug/L			08/04/11 12:39	1
Isobutyl alcohol	<40		40		ug/L			08/04/11 12:39	1
Methacrylonitrile	<20		20		ug/L			08/04/11 12:39	1
Methylene Chloride	<5.0		5.0		ug/L			08/04/11 12:39	1
Methyl methacrylate	<1.0		1.0		ug/L			08/04/11 12:39	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/04/11 12:39	1
Pentachloroethane	<5.0		5.0		ug/L			08/04/11 12:39	1
Propionitrile	<20		20		ug/L			08/04/11 12:39	1
Styrene	<1.0		1.0		ug/L			08/04/11 12:39	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/04/11 12:39	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/04/11 12:39	1
Tetrachloroethene	<1.0		1.0		ug/L			08/04/11 12:39	1
Toluene	<1.0		1.0		ug/L			08/04/11 12:39	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/04/11 12:39	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/04/11 12:39	1
Trichloroethene	<1.0		1.0		ug/L			08/04/11 12:39	1
Trichlorofluoromethane	<1.0		1.0		ug/L			08/04/11 12:39	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/04/11 12:39	1
Vinyl acetate	<2.0		2.0		ug/L			08/04/11 12:39	1
Vinyl chloride	<1.0		1.0		ug/L			08/04/11 12:39	1
Xylenes, Total	<2.0		2.0		ug/L			08/04/11 12:39	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		70 - 130		08/04/11 12:39	1
Dibromofluoromethane	107		70 - 130		08/04/11 12:39	1
Toluene-d8 (Surr)	95		70 - 130		08/04/11 12:39	1

Lab Sample ID: LCS 680-211111/6

Matrix: Water

Analysis Batch: 211111

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	88.5		ug/L		89	26 - 180
Benzene	50.0	47.6		ug/L		95	70 - 130
Dichlorobromomethane	50.0	50.1		ug/L		100	70 - 130
Bromoform	50.0	55.4		ug/L		111	70 - 130
Bromomethane	50.0	29.2		ug/L		58	23 - 165
2-Butanone (MEK)	100	89.3		ug/L		89	49 - 172
Carbon disulfide	50.0	48.1		ug/L		96	54 - 132

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-211111/6

Matrix: Water

Analysis Batch: 211111

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	% Rec	% Rec.	
	Added	Result	Qualifier				Limits	
Carbon tetrachloride	50.0	52.4		ug/L		105	70 - 130	
Chlorobenzene	50.0	52.0		ug/L		104	70 - 130	
Chloroethane	50.0	37.1		ug/L		74	56 - 152	
Chloroform	50.0	50.7		ug/L		101	70 - 130	
Chloromethane	50.0	46.6		ug/L		93	70 - 130	
Chlorodibromomethane	50.0	55.0		ug/L		110	70 - 130	
1,2-Dibromo-3-Chloropropane	50.0	43.0		ug/L		86	70 - 130	
Ethylene Dibromide	50.0	40.8		ug/L		82	70 - 130	
Dibromomethane	50.0	45.0		ug/L		90	70 - 130	
Dichlorodifluoromethane	50.0	50.9		ug/L		102	44 - 146	
1,1-Dichloroethane	50.0	48.0		ug/L		96	70 - 130	
1,2-Dichloroethane	50.0	46.7		ug/L		93	70 - 130	
cis-1,2-Dichloroethene	50.0	50.4		ug/L		101	70 - 130	
trans-1,2-Dichloroethene	50.0	50.8		ug/L		102	70 - 130	
1,1-Dichloroethene	50.0	50.1		ug/L		100	66 - 131	
1,2-Dichloropropane	50.0	46.4		ug/L		93	70 - 130	
cis-1,3-Dichloropropene	50.0	46.7		ug/L		93	70 - 130	
trans-1,3-Dichloropropene	50.0	47.9		ug/L		96	70 - 130	
Ethylbenzene	50.0	50.8		ug/L		102	70 - 130	
2-Hexanone	100	91.1		ug/L		91	42 - 185	
Methylene Chloride	50.0	50.8		ug/L		102	67 - 130	
4-Methyl-2-pentanone (MIBK)	100	89.2		ug/L		89	70 - 130	
Styrene	50.0	53.3		ug/L		107	70 - 130	
1,1,1,2-Tetrachloroethane	50.0	54.4		ug/L		109	70 - 130	
1,1,2,2-Tetrachloroethane	50.0	50.0		ug/L		100	70 - 130	
Tetrachloroethene	50.0	55.0		ug/L		110	70 - 130	
Toluene	50.0	49.2		ug/L		98	70 - 130	
1,1,1-Trichloroethane	50.0	51.0		ug/L		102	70 - 130	
1,1,2-Trichloroethane	50.0	48.1		ug/L		96	70 - 130	
Trichloroethene	50.0	50.8		ug/L		102	70 - 130	
Trichlorofluoromethane	50.0	48.9		ug/L		98	55 - 156	
1,2,3-Trichloropropane	50.0	47.9		ug/L		96	70 - 130	
Vinyl acetate	100	106		ug/L		106	60 - 176	
Vinyl chloride	50.0	42.1		ug/L		84	67 - 134	
Xylenes, Total	150	157		ug/L		105	70 - 130	

Surrogate	LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	101		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: LCSD 680-211111/7

Matrix: Water

Analysis Batch: 211111

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	% Rec	% Rec.		RPD	
	Added	Result	Qualifier				Limits		RPD	Limit
Acetone	100	90.8		ug/L		91	26 - 180		3	50
Benzene	50.0	48.2		ug/L		96	70 - 130		1	30
Dichlorobromomethane	50.0	50.8		ug/L		102	70 - 130		1	30

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-211111/7

Matrix: Water

Analysis Batch: 211111

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	% Rec	% Rec.	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
Bromoform	50.0	54.1		ug/L		108	70 - 130	2	30
Bromomethane	50.0	34.9		ug/L		70	23 - 165	18	50
2-Butanone (MEK)	100	91.0		ug/L		91	49 - 172	2	30
Carbon disulfide	50.0	47.1		ug/L		94	54 - 132	2	30
Carbon tetrachloride	50.0	52.8		ug/L		106	70 - 130	1	30
Chlorobenzene	50.0	51.5		ug/L		103	70 - 130	1	30
Chloroethane	50.0	38.4		ug/L		77	56 - 152	4	40
Chloroform	50.0	50.1		ug/L		100	70 - 130	1	30
Chloromethane	50.0	45.1		ug/L		90	70 - 130	3	30
Chlorodibromomethane	50.0	54.5		ug/L		109	70 - 130	1	50
1,2-Dibromo-3-Chloropropane	50.0	44.9		ug/L		90	70 - 130	4	50
Ethylene Dibromide	50.0	42.4		ug/L		85	70 - 130	4	30
Dibromomethane	50.0	47.7		ug/L		95	70 - 130	6	30
Dichlorodifluoromethane	50.0	48.4		ug/L		97	44 - 146	5	50
1,1-Dichloroethane	50.0	47.9		ug/L		96	70 - 130	0	30
1,2-Dichloroethane	50.0	48.0		ug/L		96	70 - 130	3	30
cis-1,2-Dichloroethene	50.0	50.0		ug/L		100	70 - 130	1	30
trans-1,2-Dichloroethene	50.0	50.1		ug/L		100	70 - 130	1	30
1,1-Dichloroethene	50.0	50.2		ug/L		100	66 - 131	0	30
1,2-Dichloropropane	50.0	47.2		ug/L		94	70 - 130	2	30
cis-1,3-Dichloropropene	50.0	46.4		ug/L		93	70 - 130	1	30
trans-1,3-Dichloropropene	50.0	47.7		ug/L		95	70 - 130	0	50
Ethylbenzene	50.0	50.3		ug/L		101	70 - 130	1	30
2-Hexanone	100	93.1		ug/L		93	42 - 185	2	30
Methylene Chloride	50.0	50.2		ug/L		100	67 - 130	1	30
4-Methyl-2-pentanone (MIBK)	100	91.8		ug/L		92	70 - 130	3	30
Styrene	50.0	53.1		ug/L		106	70 - 130	0	30
1,1,1,2-Tetrachloroethane	50.0	53.3		ug/L		107	70 - 130	2	30
1,1,2,2-Tetrachloroethane	50.0	49.9		ug/L		100	70 - 130	0	30
Tetrachloroethene	50.0	54.2		ug/L		108	70 - 130	2	30
Toluene	50.0	50.9		ug/L		102	70 - 130	3	30
1,1,1-Trichloroethane	50.0	51.3		ug/L		103	70 - 130	0	30
1,1,2-Trichloroethane	50.0	50.2		ug/L		100	70 - 130	4	30
Trichloroethene	50.0	51.8		ug/L		104	70 - 130	2	30
Trichlorofluoromethane	50.0	47.9		ug/L		96	55 - 156	2	30
1,2,3-Trichloropropane	50.0	48.2		ug/L		96	70 - 130	1	30
Vinyl acetate	100	122		ug/L		122	60 - 176	14	30
Vinyl chloride	50.0	39.7		ug/L		79	67 - 134	6	30
Xylenes, Total	150	155		ug/L		103	70 - 130	1	30

Surrogate	LCSD LCSD		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	102		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8 (Surr)	99		70 - 130

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-211446/23

Matrix: Water

Analysis Batch: 211446

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/08/11 18:19	1
Acetonitrile	<40		40		ug/L			08/08/11 18:19	1
Acrolein	<20		20		ug/L			08/08/11 18:19	1
Acrylonitrile	<20		20		ug/L			08/08/11 18:19	1
Benzene	<1.0		1.0		ug/L			08/08/11 18:19	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/08/11 18:19	1
Bromoform	<1.0		1.0		ug/L			08/08/11 18:19	1
Bromomethane	<1.0		1.0		ug/L			08/08/11 18:19	1
2-Butanone (MEK)	<10		10		ug/L			08/08/11 18:19	1
Carbon disulfide	<2.0		2.0		ug/L			08/08/11 18:19	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/08/11 18:19	1
Chlorobenzene	<1.0		1.0		ug/L			08/08/11 18:19	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/08/11 18:19	1
Chloroethane	<1.0		1.0		ug/L			08/08/11 18:19	1
Chloroform	<1.0		1.0		ug/L			08/08/11 18:19	1
Chloromethane	<1.0		1.0		ug/L			08/08/11 18:19	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/08/11 18:19	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/08/11 18:19	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/08/11 18:19	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/08/11 18:19	1
Dibromomethane	<1.0		1.0		ug/L			08/08/11 18:19	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/08/11 18:19	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/08/11 18:19	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/08/11 18:19	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/08/11 18:19	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/08/11 18:19	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/08/11 18:19	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/08/11 18:19	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/08/11 18:19	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/08/11 18:19	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/08/11 18:19	1
Ethylbenzene	<1.0		1.0		ug/L			08/08/11 18:19	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/08/11 18:19	1
2-Hexanone	<10		10		ug/L			08/08/11 18:19	1
Iodomethane	<5.0		5.0		ug/L			08/08/11 18:19	1
Isobutyl alcohol	<40		40		ug/L			08/08/11 18:19	1
Methacrylonitrile	<20		20		ug/L			08/08/11 18:19	1
Methylene Chloride	<5.0		5.0		ug/L			08/08/11 18:19	1
Methyl methacrylate	<1.0		1.0		ug/L			08/08/11 18:19	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/08/11 18:19	1
Pentachloroethane	<5.0		5.0		ug/L			08/08/11 18:19	1
Propionitrile	<20		20		ug/L			08/08/11 18:19	1
Styrene	<1.0		1.0		ug/L			08/08/11 18:19	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/08/11 18:19	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/08/11 18:19	1
Tetrachloroethene	<1.0		1.0		ug/L			08/08/11 18:19	1
Toluene	<1.0		1.0		ug/L			08/08/11 18:19	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/08/11 18:19	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/08/11 18:19	1

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-211446/23

Matrix: Water

Analysis Batch: 211446

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<1.0		1.0		ug/L			08/08/11 18:19	1
Trichlorofluoromethane	<1.0		1.0		ug/L			08/08/11 18:19	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/08/11 18:19	1
Vinyl acetate	<2.0		2.0		ug/L			08/08/11 18:19	1
Vinyl chloride	<1.0		1.0		ug/L			08/08/11 18:19	1
Xylenes, Total	<2.0		2.0		ug/L			08/08/11 18:19	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		08/08/11 18:19	1
Dibromofluoromethane	108		70 - 130		08/08/11 18:19	1
Toluene-d8 (Surr)	100		70 - 130		08/08/11 18:19	1

Lab Sample ID: LCS 680-211446/20

Matrix: Water

Analysis Batch: 211446

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	126		ug/L		126	26 - 180
Benzene	50.0	53.1		ug/L		106	70 - 130
Dichlorobromomethane	50.0	47.0		ug/L		94	70 - 130
Bromoform	50.0	34.1	*	ug/L		68	70 - 130
Bromomethane	50.0	30.9		ug/L		62	23 - 165
2-Butanone (MEK)	100	117		ug/L		117	49 - 172
Carbon disulfide	50.0	52.9		ug/L		106	54 - 132
Carbon tetrachloride	50.0	37.5		ug/L		75	70 - 130
Chlorobenzene	50.0	54.5		ug/L		109	70 - 130
Chloroethane	50.0	45.7		ug/L		91	56 - 152
Chloroform	50.0	56.3		ug/L		113	70 - 130
Chloromethane	50.0	49.9		ug/L		100	70 - 130
Chlorodibromomethane	50.0	41.0		ug/L		82	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	38.4		ug/L		77	70 - 130
Ethylene Dibromide	50.0	54.5		ug/L		109	70 - 130
Dibromomethane	50.0	54.8		ug/L		110	70 - 130
Dichlorodifluoromethane	50.0	51.8		ug/L		104	44 - 146
1,1-Dichloroethane	50.0	55.2		ug/L		110	70 - 130
1,2-Dichloroethane	50.0	51.7		ug/L		103	70 - 130
cis-1,2-Dichloroethene	50.0	57.7		ug/L		115	70 - 130
trans-1,2-Dichloroethene	50.0	56.1		ug/L		112	70 - 130
1,1-Dichloroethene	50.0	57.5		ug/L		115	66 - 131
1,2-Dichloropropane	50.0	54.3		ug/L		109	70 - 130
cis-1,3-Dichloropropene	50.0	48.7		ug/L		97	70 - 130
trans-1,3-Dichloropropene	50.0	47.1		ug/L		94	70 - 130
Ethylbenzene	50.0	52.3		ug/L		105	70 - 130
2-Hexanone	100	116		ug/L		116	42 - 185
Methylene Chloride	50.0	57.9		ug/L		116	67 - 130
4-Methyl-2-pentanone (MIBK)	100	108		ug/L		108	70 - 130
Styrene	50.0	56.2		ug/L		112	70 - 130
1,1,1,2-Tetrachloroethane	50.0	43.1		ug/L		86	70 - 130
1,1,2,2-Tetrachloroethane	50.0	54.1		ug/L		108	70 - 130

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-211446/20

Matrix: Water

Analysis Batch: 211446

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Tetrachloroethene	50.0	55.6		ug/L		111	70 - 130	
Toluene	50.0	53.0		ug/L		106	70 - 130	
1,1,1-Trichloroethane	50.0	46.4		ug/L		93	70 - 130	
1,1,2-Trichloroethane	50.0	55.2		ug/L		110	70 - 130	
Trichloroethene	50.0	54.5		ug/L		109	70 - 130	
Trichlorofluoromethane	50.0	52.8		ug/L		106	55 - 156	
1,2,3-Trichloropropane	50.0	56.0		ug/L		112	70 - 130	
Vinyl acetate	100	107		ug/L		107	60 - 176	
Vinyl chloride	50.0	53.8		ug/L		108	67 - 134	
Xylenes, Total	150	163		ug/L		108	70 - 130	

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	108		70 - 130
Dibromofluoromethane	115		70 - 130
Toluene-d8 (Surr)	109		70 - 130

Lab Sample ID: LCSD 680-211446/21

Matrix: Water

Analysis Batch: 211446

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD	Limit
							Limits			
Acetone	100	113		ug/L		113	26 - 180	11	50	
Benzene	50.0	49.3		ug/L		99	70 - 130	8	30	
Dichlorobromomethane	50.0	43.5		ug/L		87	70 - 130	8	30	
Bromoform	50.0	30.4	*	ug/L		61	70 - 130	11	30	
Bromomethane	50.0	29.8		ug/L		60	23 - 165	3	50	
2-Butanone (MEK)	100	106		ug/L		106	49 - 172	10	30	
Carbon disulfide	50.0	47.6		ug/L		95	54 - 132	11	30	
Carbon tetrachloride	50.0	35.9		ug/L		72	70 - 130	5	30	
Chlorobenzene	50.0	49.1		ug/L		98	70 - 130	10	30	
Chloroethane	50.0	36.7		ug/L		73	56 - 152	22	40	
Chloroform	50.0	51.3		ug/L		103	70 - 130	9	30	
Chloromethane	50.0	45.6		ug/L		91	70 - 130	9	30	
Chlorodibromomethane	50.0	36.2		ug/L		72	70 - 130	12	50	
1,2-Dibromo-3-Chloropropane	50.0	34.0	*	ug/L		68	70 - 130	12	50	
Ethylene Dibromide	50.0	50.7		ug/L		101	70 - 130	7	30	
Dibromomethane	50.0	50.3		ug/L		101	70 - 130	9	30	
Dichlorodifluoromethane	50.0	47.3		ug/L		95	44 - 146	9	50	
1,1-Dichloroethane	50.0	50.2		ug/L		100	70 - 130	9	30	
1,2-Dichloroethane	50.0	47.6		ug/L		95	70 - 130	8	30	
cis-1,2-Dichloroethene	50.0	52.0		ug/L		104	70 - 130	10	30	
trans-1,2-Dichloroethene	50.0	50.7		ug/L		101	70 - 130	10	30	
1,1-Dichloroethene	50.0	51.7		ug/L		103	66 - 131	11	30	
1,2-Dichloropropane	50.0	49.5		ug/L		99	70 - 130	9	30	
cis-1,3-Dichloropropene	50.0	45.0		ug/L		90	70 - 130	8	30	
trans-1,3-Dichloropropene	50.0	43.6		ug/L		87	70 - 130	8	50	
Ethylbenzene	50.0	46.3		ug/L		93	70 - 130	12	30	
2-Hexanone	100	106		ug/L		106	42 - 185	9	30	
Methylene Chloride	50.0	52.6		ug/L		105	67 - 130	10	30	

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-211446/21

Matrix: Water

Analysis Batch: 211446

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	100	101		ug/L		101	70 - 130	7	30
Styrene	50.0	50.4		ug/L		101	70 - 130	11	30
1,1,1,2-Tetrachloroethane	50.0	39.1		ug/L		78	70 - 130	10	30
1,1,2,2-Tetrachloroethane	50.0	48.9		ug/L		98	70 - 130	10	30
Tetrachloroethene	50.0	49.5		ug/L		99	70 - 130	12	30
Toluene	50.0	48.7		ug/L		97	70 - 130	8	30
1,1,1-Trichloroethane	50.0	43.8		ug/L		88	70 - 130	6	30
1,1,2-Trichloroethane	50.0	50.8		ug/L		102	70 - 130	8	30
Trichloroethene	50.0	50.6		ug/L		101	70 - 130	7	30
Trichlorofluoromethane	50.0	48.2		ug/L		96	55 - 156	9	30
1,2,3-Trichloropropane	50.0	47.7		ug/L		95	70 - 130	16	30
Vinyl acetate	100	93.6		ug/L		94	60 - 176	14	30
Vinyl chloride	50.0	47.6		ug/L		95	67 - 134	12	30
Xylenes, Total	150	146		ug/L		97	70 - 130	11	30

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	97		70 - 130
Dibromofluoromethane	104		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: MB 680-211655/7

Matrix: Water

Analysis Batch: 211655

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/02/11 11:29	1
Acetonitrile	<40		40		ug/L			08/02/11 11:29	1
Acrolein	<20		20		ug/L			08/02/11 11:29	1
Acrylonitrile	<20		20		ug/L			08/02/11 11:29	1
Benzene	<1.0		1.0		ug/L			08/02/11 11:29	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 11:29	1
Bromoform	<1.0		1.0		ug/L			08/02/11 11:29	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 11:29	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 11:29	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 11:29	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/02/11 11:29	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 11:29	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 11:29	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 11:29	1
Chloroform	<1.0		1.0		ug/L			08/02/11 11:29	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 11:29	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 11:29	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 11:29	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 11:29	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 11:29	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 11:29	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 11:29	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 11:29	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 11:29	1

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-211655/7

Matrix: Water

Analysis Batch: 211655

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 11:29	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 11:29	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 11:29	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 11:29	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 11:29	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 11:29	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 11:29	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 11:29	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 11:29	1
2-Hexanone	<10		10		ug/L			08/02/11 11:29	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 11:29	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 11:29	1
Methacrylonitrile	<20		20		ug/L			08/02/11 11:29	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 11:29	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 11:29	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 11:29	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 11:29	1
Propionitrile	<20		20		ug/L			08/02/11 11:29	1
Styrene	<1.0		1.0		ug/L			08/02/11 11:29	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 11:29	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 11:29	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 11:29	1
Toluene	<1.0		1.0		ug/L			08/02/11 11:29	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 11:29	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 11:29	1
Trichloroethene	<1.0		1.0		ug/L			08/02/11 11:29	1
Trichlorofluoromethane	<1.0		1.0		ug/L			08/02/11 11:29	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 11:29	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 11:29	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 11:29	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 11:29	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		70 - 130		08/02/11 11:29	1
Dibromofluoromethane	101		70 - 130		08/02/11 11:29	1
Toluene-d8 (Surr)	96		70 - 130		08/02/11 11:29	1

Lab Sample ID: LCS 680-211655/4

Matrix: Water

Analysis Batch: 211655

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	105		ug/L		105	26 - 180
Benzene	50.0	45.1		ug/L		90	70 - 130
Dichlorobromomethane	50.0	40.1		ug/L		80	70 - 130
Bromoform	50.0	30.2	*	ug/L		60	70 - 130
Bromomethane	50.0	52.0		ug/L		104	23 - 165
2-Butanone (MEK)	100	100		ug/L		100	49 - 172
Carbon disulfide	50.0	41.8		ug/L		84	54 - 132

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-211655/4

Matrix: Water

Analysis Batch: 211655

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	% Rec	% Rec.	
	Added	Result	Qualifier				Limits	
Carbon tetrachloride	50.0	33.9	*	ug/L		68	70 - 130	
Chlorobenzene	50.0	49.2		ug/L		98	70 - 130	
Chloroethane	50.0	42.9		ug/L		86	56 - 152	
Chloroform	50.0	45.5		ug/L		91	70 - 130	
Chloromethane	50.0	50.7		ug/L		101	70 - 130	
Chlorodibromomethane	50.0	36.8		ug/L		74	70 - 130	
1,2-Dibromo-3-Chloropropane	50.0	39.8		ug/L		80	70 - 130	
Ethylene Dibromide	50.0	46.1		ug/L		92	70 - 130	
Dibromomethane	50.0	47.6		ug/L		95	70 - 130	
Dichlorodifluoromethane	50.0	45.2		ug/L		90	44 - 146	
1,1-Dichloroethane	50.0	43.7		ug/L		87	70 - 130	
1,2-Dichloroethane	50.0	45.1		ug/L		90	70 - 130	
cis-1,2-Dichloroethene	50.0	45.9		ug/L		92	70 - 130	
trans-1,2-Dichloroethene	50.0	45.7		ug/L		91	70 - 130	
1,1-Dichloroethene	50.0	46.2		ug/L		92	66 - 131	
1,2-Dichloropropane	50.0	45.4		ug/L		91	70 - 130	
cis-1,3-Dichloropropene	50.0	42.4		ug/L		85	70 - 130	
trans-1,3-Dichloropropene	50.0	40.8		ug/L		82	70 - 130	
Ethylbenzene	50.0	46.4		ug/L		93	70 - 130	
2-Hexanone	100	96.8		ug/L		97	42 - 185	
Methylene Chloride	50.0	43.0		ug/L		86	67 - 130	
4-Methyl-2-pentanone (MIBK)	100	91.5		ug/L		92	70 - 130	
Styrene	50.0	48.1		ug/L		96	70 - 130	
1,1,1,2-Tetrachloroethane	50.0	40.4		ug/L		81	70 - 130	
1,1,2,2-Tetrachloroethane	50.0	46.7		ug/L		93	70 - 130	
Tetrachloroethene	50.0	50.1		ug/L		100	70 - 130	
Toluene	50.0	45.0		ug/L		90	70 - 130	
1,1,1-Trichloroethane	50.0	41.9		ug/L		84	70 - 130	
1,1,2-Trichloroethane	50.0	45.3		ug/L		91	70 - 130	
Trichloroethene	50.0	47.9		ug/L		96	70 - 130	
Trichlorofluoromethane	50.0	44.7		ug/L		89	55 - 156	
1,2,3-Trichloropropane	50.0	47.2		ug/L		94	70 - 130	
Vinyl acetate	100	90.4		ug/L		90	60 - 176	
Vinyl chloride	50.0	44.4		ug/L		89	67 - 134	
Xylenes, Total	150	139		ug/L		93	70 - 130	

Surrogate	LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	93		70 - 130
Dibromofluoromethane	92		70 - 130
Toluene-d8 (Surr)	93		70 - 130

Lab Sample ID: LCSD 680-211655/5

Matrix: Water

Analysis Batch: 211655

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	% Rec	% Rec.		RPD	
	Added	Result	Qualifier				Limits	RPD	Limit	
Acetone	100	105		ug/L		105	26 - 180	0	50	
Benzene	50.0	47.4		ug/L		95	70 - 130	5	30	
Dichlorobromomethane	50.0	43.3		ug/L		87	70 - 130	8	30	

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-211655/5

Matrix: Water

Analysis Batch: 211655

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec.		RPD	RPD Limit
		Result	Qualifier				Limits			
Bromoform	50.0	33.6	*	ug/L		67	70 - 130		11	30
Bromomethane	50.0	47.4		ug/L		95	23 - 165		9	50
2-Butanone (MEK)	100	107		ug/L		107	49 - 172		7	30
Carbon disulfide	50.0	41.8		ug/L		84	54 - 132		0	30
Carbon tetrachloride	50.0	36.0		ug/L		72	70 - 130		6	30
Chlorobenzene	50.0	50.9		ug/L		102	70 - 130		3	30
Chloroethane	50.0	44.6		ug/L		89	56 - 152		4	40
Chloroform	50.0	49.2		ug/L		98	70 - 130		8	30
Chloromethane	50.0	51.5		ug/L		103	70 - 130		1	30
Chlorodibromomethane	50.0	40.8		ug/L		82	70 - 130		10	50
1,2-Dibromo-3-Chloropropane	50.0	42.8		ug/L		86	70 - 130		7	50
Ethylene Dibromide	50.0	49.4		ug/L		99	70 - 130		7	30
Dibromomethane	50.0	50.1		ug/L		100	70 - 130		5	30
Dichlorodifluoromethane	50.0	45.5		ug/L		91	44 - 146		1	50
1,1-Dichloroethane	50.0	46.5		ug/L		93	70 - 130		6	30
1,2-Dichloroethane	50.0	48.0		ug/L		96	70 - 130		6	30
cis-1,2-Dichloroethene	50.0	49.3		ug/L		99	70 - 130		7	30
trans-1,2-Dichloroethene	50.0	49.0		ug/L		98	70 - 130		7	30
1,1-Dichloroethene	50.0	49.4		ug/L		99	66 - 131		7	30
1,2-Dichloropropane	50.0	47.5		ug/L		95	70 - 130		4	30
cis-1,3-Dichloropropene	50.0	45.5		ug/L		91	70 - 130		7	30
trans-1,3-Dichloropropene	50.0	44.3		ug/L		89	70 - 130		8	50
Ethylbenzene	50.0	48.1		ug/L		96	70 - 130		4	30
2-Hexanone	100	104		ug/L		104	42 - 185		8	30
Methylene Chloride	50.0	44.3		ug/L		89	67 - 130		3	30
4-Methyl-2-pentanone (MIBK)	100	96.4		ug/L		96	70 - 130		5	30
Styrene	50.0	49.7		ug/L		99	70 - 130		3	30
1,1,1,2-Tetrachloroethane	50.0	43.0		ug/L		86	70 - 130		6	30
1,1,2,2-Tetrachloroethane	50.0	49.7		ug/L		99	70 - 130		6	30
Tetrachloroethene	50.0	51.9		ug/L		104	70 - 130		3	30
Toluene	50.0	45.8		ug/L		92	70 - 130		2	30
1,1,1-Trichloroethane	50.0	45.4		ug/L		91	70 - 130		8	30
1,1,2-Trichloroethane	50.0	48.5		ug/L		97	70 - 130		7	30
Trichloroethene	50.0	50.7		ug/L		101	70 - 130		6	30
Trichlorofluoromethane	50.0	45.9		ug/L		92	55 - 156		3	30
1,2,3-Trichloropropane	50.0	49.9		ug/L		100	70 - 130		5	30
Vinyl acetate	100	100		ug/L		100	60 - 176		10	30
Vinyl chloride	50.0	45.0		ug/L		90	67 - 134		1	30
Xylenes, Total	150	146		ug/L		98	70 - 130		5	30

Surrogate	LCSD		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	98		70 - 130
Dibromofluoromethane	100		70 - 130
Toluene-d8 (Surr)	95		70 - 130

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-70860-3 MS

Matrix: Water

Analysis Batch: 211655

Client Sample ID: ASH-MW14-072811

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	<25		100	86.2		ug/L		75	26 - 180
Benzene	<1.0		50.0	46.4		ug/L		93	70 - 130
Dichlorobromomethane	<1.0		50.0	37.9		ug/L		76	70 - 130
Bromoform	<1.0	*	50.0	25.9	F	ug/L		52	70 - 130
Bromomethane	<1.0		50.0	29.6		ug/L		59	23 - 165
2-Butanone (MEK)	<10		100	93.1		ug/L		93	49 - 172
Carbon disulfide	<2.0		50.0	42.2		ug/L		84	54 - 132
Carbon tetrachloride	<1.0	*	50.0	29.3	F	ug/L		59	70 - 130
Chlorobenzene	<1.0		50.0	49.2		ug/L		98	70 - 130
Chloroethane	<1.0		50.0	40.5		ug/L		81	56 - 152
Chloroform	<1.0		50.0	47.7		ug/L		95	70 - 130
Chloromethane	<1.0		50.0	50.6		ug/L		101	70 - 130
Chlorodibromomethane	<1.0		50.0	32.8	F	ug/L		66	70 - 130
1,2-Dibromo-3-Chloropropane	<1.0		50.0	32.5	F	ug/L		65	70 - 130
Ethylene Dibromide	<1.0		50.0	45.9		ug/L		92	70 - 130
Dibromomethane	<1.0		50.0	46.9		ug/L		94	70 - 130
Dichlorodifluoromethane	<1.0		50.0	44.7		ug/L		89	44 - 146
1,1-Dichloroethane	<1.0		50.0	46.0		ug/L		92	70 - 130
1,2-Dichloroethane	<1.0		50.0	45.7		ug/L		91	70 - 130
cis-1,2-Dichloroethene	<1.0		50.0	48.0		ug/L		96	70 - 130
trans-1,2-Dichloroethene	<1.0		50.0	49.0		ug/L		98	70 - 130
1,1-Dichloroethene	<1.0		50.0	49.3		ug/L		99	66 - 131
1,2-Dichloropropane	<1.0		50.0	45.0		ug/L		90	70 - 130
cis-1,3-Dichloropropene	<1.0		50.0	39.4		ug/L		79	70 - 130
trans-1,3-Dichloropropene	<1.0		50.0	36.8		ug/L		74	70 - 130
Ethylbenzene	<1.0		50.0	46.3		ug/L		93	70 - 130
2-Hexanone	<10		100	90.0		ug/L		90	42 - 185
Methylene Chloride	<5.0		50.0	44.7		ug/L		89	67 - 130
4-Methyl-2-pentanone (MIBK)	<10		100	89.0		ug/L		89	70 - 130
Styrene	<1.0		50.0	48.3		ug/L		97	70 - 130
1,1,1,2-Tetrachloroethane	<1.0		50.0	36.2		ug/L		72	70 - 130
1,1,2,2-Tetrachloroethane	<1.0		50.0	46.8		ug/L		94	70 - 130
Tetrachloroethene	<1.0		50.0	50.9		ug/L		102	70 - 130
Toluene	<1.0		50.0	44.9		ug/L		90	70 - 130
1,1,1-Trichloroethane	<1.0		50.0	40.6		ug/L		81	70 - 130
1,1,2-Trichloroethane	<1.0		50.0	46.1		ug/L		92	70 - 130
Trichloroethene	<1.0		50.0	48.4		ug/L		97	70 - 130
Trichlorofluoromethane	<1.0		50.0	45.3		ug/L		91	55 - 156
1,2,3-Trichloropropane	<1.0		50.0	48.5		ug/L		97	70 - 130
Vinyl acetate	<2.0		100	81.2		ug/L		81	60 - 176
Vinyl chloride	<1.0		50.0	44.8		ug/L		90	67 - 134
Xylenes, Total	<2.0		150	141		ug/L		94	70 - 130

Surrogate	MS % Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	96		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8 (Surr)	95		70 - 130

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-70860-3 MSD

Matrix: Water

Analysis Batch: 211655

Client Sample ID: ASH-MW14-072811

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	<25		100	91.0		ug/L		79	26 - 180	5	50
Benzene	<1.0		50.0	49.1		ug/L		98	70 - 130	6	30
Dichlorobromomethane	<1.0		50.0	41.7		ug/L		83	70 - 130	10	30
Bromoform	<1.0	*	50.0	29.8	F	ug/L		60	70 - 130	14	30
Bromomethane	<1.0		50.0	33.5		ug/L		67	23 - 165	12	50
2-Butanone (MEK)	<10		100	97.7		ug/L		98	49 - 172	5	30
Carbon disulfide	<2.0		50.0	43.9		ug/L		88	54 - 132	4	30
Carbon tetrachloride	<1.0	*	50.0	32.9	F	ug/L		66	70 - 130	11	30
Chlorobenzene	<1.0		50.0	51.6		ug/L		103	70 - 130	5	30
Chloroethane	<1.0		50.0	39.8		ug/L		80	56 - 152	2	40
Chloroform	<1.0		50.0	50.9		ug/L		102	70 - 130	7	30
Chloromethane	<1.0		50.0	52.3		ug/L		105	70 - 130	3	30
Chlorodibromomethane	<1.0		50.0	37.0		ug/L		74	70 - 130	12	50
1,2-Dibromo-3-Chloropropane	<1.0		50.0	38.6		ug/L		77	70 - 130	17	50
Ethylene Dibromide	<1.0		50.0	48.4		ug/L		97	70 - 130	5	30
Dibromomethane	<1.0		50.0	50.0		ug/L		100	70 - 130	6	30
Dichlorodifluoromethane	<1.0		50.0	45.7		ug/L		91	44 - 146	2	50
1,1-Dichloroethane	<1.0		50.0	48.6		ug/L		97	70 - 130	6	30
1,2-Dichloroethane	<1.0		50.0	49.6		ug/L		99	70 - 130	8	30
cis-1,2-Dichloroethene	<1.0		50.0	50.7		ug/L		101	70 - 130	5	30
trans-1,2-Dichloroethene	<1.0		50.0	51.8		ug/L		104	70 - 130	6	30
1,1-Dichloroethene	<1.0		50.0	51.9		ug/L		104	66 - 131	5	30
1,2-Dichloropropane	<1.0		50.0	48.5		ug/L		97	70 - 130	7	30
cis-1,3-Dichloropropene	<1.0		50.0	42.8		ug/L		86	70 - 130	8	30
trans-1,3-Dichloropropene	<1.0		50.0	40.5		ug/L		81	70 - 130	10	50
Ethylbenzene	<1.0		50.0	48.9		ug/L		98	70 - 130	5	30
2-Hexanone	<10		100	95.6		ug/L		96	42 - 185	6	30
Methylene Chloride	<5.0		50.0	45.7		ug/L		91	67 - 130	2	30
4-Methyl-2-pentanone (MIBK)	<10		100	95.1		ug/L		95	70 - 130	7	30
Styrene	<1.0		50.0	50.2		ug/L		100	70 - 130	4	30
1,1,1,2-Tetrachloroethane	<1.0		50.0	40.4		ug/L		81	70 - 130	11	30
1,1,2,2-Tetrachloroethane	<1.0		50.0	49.8		ug/L		100	70 - 130	6	30
Tetrachloroethene	<1.0		50.0	53.3		ug/L		107	70 - 130	5	30
Toluene	<1.0		50.0	47.6		ug/L		95	70 - 130	6	30
1,1,1-Trichloroethane	<1.0		50.0	44.3		ug/L		89	70 - 130	9	30
1,1,2-Trichloroethane	<1.0		50.0	49.2		ug/L		98	70 - 130	6	30
Trichloroethene	<1.0		50.0	51.9		ug/L		104	70 - 130	7	30
Trichlorofluoromethane	<1.0		50.0	47.5		ug/L		95	55 - 156	5	30
1,2,3-Trichloropropane	<1.0		50.0	50.5		ug/L		101	70 - 130	4	30
Vinyl acetate	<2.0		100	88.6		ug/L		89	60 - 176	9	30
Vinyl chloride	<1.0		50.0	46.1		ug/L		92	67 - 134	3	30
Xylenes, Total	<2.0		150	148		ug/L		99	70 - 130	5	30

Surrogate	MSD % Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	100		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8 (Surr)	98		70 - 130

QC Association Summary

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

GC/MS VOA

Analysis Batch: 210749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70860-10	Trip Blank 063011	Total/NA	Water	8260B	
LCS 680-210749/12	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-210749/13	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-210749/14	Method Blank	Total/NA	Water	8260B	
680-70860-8	ASH-MW09-072811	Total/NA	Water	8260B	
680-70860-9	ASH-MW07-072811	Total/NA	Water	8260B	
680-70860-2	ASH-DUP-072811	Total/NA	Water	8260B	
680-70860-4	ASH-MW15-072811	Total/NA	Water	8260B	
680-70860-6	ASH-MW06-072811	Total/NA	Water	8260B	

Analysis Batch: 211111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70860-1	ASH-RS2-072811	Total/NA	Water	8260B	
LCS 680-211111/6	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-211111/7	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-211111/9	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 211446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70860-5 - RA	ASH-MW05-072811	Total/NA	Water	8260B	
680-70860-7 - RA	ASH-MW16-072811	Total/NA	Water	8260B	
680-70860-3 - RA	ASH-MW14-072811	Total/NA	Water	8260B	
LCS 680-211446/20	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-211446/21	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-211446/23	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 211655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-211655/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-211655/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-211655/7	Method Blank	Total/NA	Water	8260B	
680-70860-5	ASH-MW05-072811	Total/NA	Water	8260B	
680-70860-7	ASH-MW16-072811	Total/NA	Water	8260B	
680-70860-3	ASH-MW14-072811	Total/NA	Water	8260B	
680-70860-3 MS	ASH-MW14-072811	Total/NA	Water	8260B	
680-70860-3 MSD	ASH-MW14-072811	Total/NA	Water	8260B	

Lab Chronicle

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-RS2-072811

Lab Sample ID: 680-70860-1

Date Collected: 07/28/11 11:05

Matrix: Water

Date Received: 07/29/11 09:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	211111	08/04/11 19:34	RB	TAL SAV

Client Sample ID: ASH-DUP-072811

Lab Sample ID: 680-70860-2

Date Collected: 07/28/11 00:00

Matrix: Water

Date Received: 07/29/11 09:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210749	08/02/11 16:08	RB	TAL SAV

Client Sample ID: ASH-MW14-072811

Lab Sample ID: 680-70860-3

Date Collected: 07/28/11 10:45

Matrix: Water

Date Received: 07/29/11 09:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	RA	1	211446	08/08/11 21:13	AJMC	TAL SAV
Total/NA	Analysis	8260B		1	211655	08/02/11 14:55	WHP	TAL SAV

Client Sample ID: ASH-MW15-072811

Lab Sample ID: 680-70860-4

Date Collected: 07/28/11 08:03

Matrix: Water

Date Received: 07/29/11 09:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210749	08/02/11 16:38	RB	TAL SAV

Client Sample ID: ASH-MW05-072811

Lab Sample ID: 680-70860-5

Date Collected: 07/28/11 09:05

Matrix: Water

Date Received: 07/29/11 09:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	RA	1	211446	08/08/11 20:29	AJMC	TAL SAV
Total/NA	Analysis	8260B		1	211655	08/02/11 13:56	WHP	TAL SAV

Client Sample ID: ASH-MW06-072811

Lab Sample ID: 680-70860-6

Date Collected: 07/28/11 08:05

Matrix: Water

Date Received: 07/29/11 09:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210749	08/02/11 17:07	RB	TAL SAV

Lab Chronicle

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW16-072811

Lab Sample ID: 680-70860-7

Date Collected: 07/28/11 08:53

Matrix: Water

Date Received: 07/29/11 09:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	RA	1	211446	08/08/11 20:51	AJMC	TAL SAV
Total/NA	Analysis	8260B		1	211655	08/02/11 14:25	WHP	TAL SAV

Client Sample ID: ASH-MW09-072811

Lab Sample ID: 680-70860-8

Date Collected: 07/28/11 10:10

Matrix: Water

Date Received: 07/29/11 09:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210749	08/02/11 15:10	RB	TAL SAV

Client Sample ID: ASH-MW07-072811

Lab Sample ID: 680-70860-9

Date Collected: 07/28/11 10:54

Matrix: Water

Date Received: 07/29/11 09:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210749	08/02/11 15:39	RB	TAL SAV

Client Sample ID: Trip Blank 063011

Lab Sample ID: 680-70860-10

Date Collected: 07/28/11 00:00

Matrix: Water

Date Received: 07/29/11 09:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210749	08/02/11 14:40	RB	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Comp. Information 11/11/11

Serial Number 013307

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

PROJECT REFERENCE: Hercules Performance AP9GM
TAL (LAB) PROJECT MANAGER: L. Dyer Gyl. Z. 1.9
CLIENT (SITE) PM: Tim Haseff
CLIENT NAME: Ashland Chemical
CLIENT ADDRESS: 500 Hercules Road Wilmington, DE 19808-1599
COMPANY CONTRACTING THIS WORK (if applicable):
PROJECT NO.: 11073
P.O. NUMBER:
CLIENT PHONE: 302-995-3456
CLIENT FAX: 995-3485
CLIENT E-MAIL: tdhaseff@ashland.com

PROJECT LOCATION (STATE): MS
CONTRACT NO.:
CLIENT FAX:
CLIENT E-MAIL:
PROJECT NO.: 11073
P.O. NUMBER:
CLIENT PHONE: 302-995-3456
CLIENT FAX: 995-3485
CLIENT E-MAIL: tdhaseff@ashland.com

SAMPLE		SAMPLE IDENTIFICATION		MATRIX TYPE		REQUIRED ANALYSIS		PAGE 1 OF 1	
DATE	TIME	DATE	TIME	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	NONAQUEOUS LIQUID (OIL SOLVENT)	STANDARD REPORT DELIVERY	EXPEDITED REPORT DELIVERY (SURCHARGE)
7-28-11	1105	ASH-RS2-072811		6X					
7-28-11	NA	ASH-DUP-072811		6X					
7-28-11	1045	ASH-MW14-072811		6X					
7-28-11	1045	ASH-MW14-072811-MS		6X					
7-28-11	1045	ASH-MW14-072811-MSD		6X					
7-28-11	0803	ASH-MW15-072811		6X					
7-28-11	0905	ASH-MW05-072811		6X					
7-28-11	0805	ASH-MW06-072811		6X					
7-28-11	0853	ASH-MW16-072811		6X					
7-28-11	1010	ASH-MW09-072811		6X					
7-28-11	1054	ASH-MW07-072811		6X					
7-28-11	NA	Trip Blank 063011		6X					
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	DATE	
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	DATE	

RECEIVED FOR LABORATORY BY: [Signature]
DATE: 07/29/11
TIME: 0929
CUSTODY INTACT: YES [] NO []
CUSTODY SEAL NO.:
LABORATORY REMARKS: 17.2 °C
SAVANNAH LOG NO.: 70860

Login Sample Receipt Checklist

Client: Ashland Inc.

Job Number: 680-70860-1

Login Number: 70860

List Source: TestAmerica Savannah

List Number: 1

Creator: Barnett, Eddie T

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.2 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70860-1

Project/Site: Hercules Hattiesburg APIX 7/28/11

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Savannah	A2LA	DoD ELAP		0399-01
TestAmerica Savannah	A2LA	ISO/IEC 17025		399.01
TestAmerica Savannah	Alabama	State Program	4	41450
TestAmerica Savannah	Arkansas	Arkansas DOH	6	N/A
TestAmerica Savannah	Arkansas	State Program	6	88-0692
TestAmerica Savannah	California	NELAC	9	3217CA
TestAmerica Savannah	Colorado	State Program	8	N/A
TestAmerica Savannah	Connecticut	State Program	1	PH-0161
TestAmerica Savannah	Delaware	State Program	3	N/A
TestAmerica Savannah	Florida	NELAC	4	E87052
TestAmerica Savannah	Georgia	Georgia EPD	4	N/A
TestAmerica Savannah	Georgia	State Program	4	803
TestAmerica Savannah	Guam	State Program	9	09-005r
TestAmerica Savannah	Hawaii	State Program	9	N/A
TestAmerica Savannah	Illinois	NELAC	5	200022
TestAmerica Savannah	Indiana	State Program	5	N/A
TestAmerica Savannah	Iowa	State Program	7	353
TestAmerica Savannah	Kansas	NELAC	7	E-10322
TestAmerica Savannah	Kentucky	Kentucky UST	4	18
TestAmerica Savannah	Kentucky	State Program	4	90084
TestAmerica Savannah	Louisiana	NELAC	6	30690
TestAmerica Savannah	Louisiana	NELAC	6	LA100015
TestAmerica Savannah	Maine	State Program	1	GA00006
TestAmerica Savannah	Maryland	State Program	3	250
TestAmerica Savannah	Massachusetts	State Program	1	M-GA006
TestAmerica Savannah	Michigan	State Program	5	9925
TestAmerica Savannah	Mississippi	State Program	4	N/A
TestAmerica Savannah	Montana	State Program	8	CERT0081
TestAmerica Savannah	Nebraska	State Program	7	TestAmerica-Savannah
TestAmerica Savannah	Nevada	State Program	9	GA6
TestAmerica Savannah	New Jersey	NELAC	2	GA769
TestAmerica Savannah	New Mexico	State Program	6	N/A
TestAmerica Savannah	New York	NELAC	2	10842
TestAmerica Savannah	North Carolina	North Carolina DENR	4	269
TestAmerica Savannah	North Carolina	North Carolina PHL	4	13701
TestAmerica Savannah	Oklahoma	State Program	6	9984
TestAmerica Savannah	Pennsylvania	NELAC	3	68-00474
TestAmerica Savannah	Puerto Rico	State Program	2	GA00006
TestAmerica Savannah	Rhode Island	State Program	1	LAO00244
TestAmerica Savannah	South Carolina	State Program	4	98001
TestAmerica Savannah	Tennessee	State Program	4	TN02961
TestAmerica Savannah	Texas	NELAC	6	T104704185-08-TX
TestAmerica Savannah	USDA	USDA		SAV 3-04
TestAmerica Savannah	Vermont	State Program	1	87052
TestAmerica Savannah	Virginia	State Program	3	302
TestAmerica Savannah	Washington	State Program	10	C1794
TestAmerica Savannah	West Virginia	West Virginia DEP	3	94
TestAmerica Savannah	West Virginia	West Virginia DHHR (DW)	3	9950C
TestAmerica Savannah	Wisconsin	State Program	5	999819810
TestAmerica Savannah	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.