

**SUPPLEMENTAL COMPREHENSIVE  
INVESTIGATION REPORT**

**FOR**

**THE ALABAMA ARMY NATIONAL GUARD (AANG)  
ORGANIZATIONAL MAINTENANCE SHOP 28 (OMS-28)  
1622 South Broad Street  
MOBILE, MOBILE COUNTY, ALABAMA  
Groundwater Incident No. GW 07-01-02**

**NOVEMBER 2008**

**PREPARED FOR:**



**U. S. ARMY CORPS OF ENGINEERS – MOBILE DISTRICT  
MOBILE, ALABAMA  
CONTRACT NO. W91278-06-D-0066  
TASK ORDER 0015**

**PREPARED BY:**

**Aerostar Environmental Services, Inc  
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## Certification Page

I certify under penalty of law that I am an Alabama Registered Professional Geologist experienced in hydrogeologic investigations. The investigation described in this report was performed by a Geologist or Alabama Registered Professional Geologist experienced in hydrogeologic investigations. The information submitted herein, to the best of my knowledge and belief, is true, accurate and complete. I am aware that there are significant penalties for submitting false information.

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Marshall Eschete, P.G. #637

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LIST OF ACRONYMS

|                    |   |
|--------------------|---|
| AANG               | Alabama Army National Guard   |
| AEROSTAR           | Aerostar Environmental Services, Inc.                                     |
| ADEM               | Alabama Department of Environmental Management                            |
| ALDOT              | Alabama Department of Transportation                                      |
| ARBCA              | Alabama Risk Based Corrective Action                                      |
| AFB                | Air Force Base  |
| bgs                | Below Ground Surface  |
| CSI                | Container Services, Inc.  |
| DO                 | Dissolved Oxygen  |
| DoD                | Department of Defense   |
| DOT                | Department of Transportation  |
| DTW                | Depth to Water  |
| EPA                | United States Environmental Protection Agency                             |
| EPA RSL            | EPA Regional Screening Level for Chemical Contaminants at Superfund Sites |
| FID                | Flame Ionization Detector   |
| FAA                | Federal Aviation Administration   |
| FSP                | Field Sampling Plan   |
| ft <sup>3</sup> /s | Cubic Feet Per Second   |
| HDPE               | High-Density Polyethylene   |
| IDW                | Investigation Derived Waste   |
| IDWMP              | Investigation Derived Waste Management Plan                               |
| in/yr              | Inches per Year   |
| ISL                | Initial Screening Limit   |
| LAWLER             | Lawler and Company Land and Industrial Surveyors, Inc.                    |
| LNAPL              | Liquid Non-Aqueous Phase Liquid   |
| MAA                | Mobile Airport Authority  |
| MCL                | Maximum Contamination Level   |
| mg/L               | milligrams per liter  |
| mg/Kg              | milligrams per kilogram   |
| Mgal/d             | Million Gallons per Day   |
| NAD                | North American Datum  |
| NCP                | National Contingency Plan   |
| NGVD               | National Geodetic Vertical Datum  |
| OMS                | Organizational Maintenance Shop   |
| OVA-FID            | Organic Vapor Analyzer equipped with a Flame Ionization Detector          |
| PI                 | Preliminary Investigation   |
| PLS                | Professional Land Surveyor  |
| PVC                | Polyvinyl chloride  |
| PSV                | Preliminary Screening Value   |
| QAPP               | Quality Assurance Project Plan  |
| ROW                | Right of Way  |
| SI                 | Secondary Investigation   |
| SSHP               | Site Safety and Health Plan   |

SSTL Site Specific Target Level  
LIST OF ACRONYMS (CONTINUED)

|       |   |
|-------|---|
| TCE   | Trichloroethene, AKA Trichloroethylene  |
| TCL   | Target Compound List                    |
| TCLP  | Toxic Characteristic Leachate Procedure |
| TOC   | Top-of-casing                           |
| µg/kg | Micrograms per Kilogram                 |
| µg/L  | Micrograms per Liter                    |
| USA   | University of South Alabama             |
| USACE | United States Army Corps of Engineers   |
| USAF  | United States Air Force                 |
| UST   | Underground Storage Tank                |
| VOA   | Volatile Organic Analysis               |
| VOC   | Volatile Organic Compound               |
| WP    | Work Plan                               |

## 1.0 INTRODUCTION

Aerostar Environmental Services, Inc (AEROSTAR) under contract to the U. S. Army Corps of Engineers (USACE)-Mobile District, has completed field activities and data collection for the Soil and Groundwater Investigation at the Alabama Army National Guard (AANG) Organizational Maintenance Shop (OMS) Number 28, herein identified as OMS-28 located at 1622 South Broad Street on the Brookley Complex, Mobile, Mobile County, Alabama (see **Figure 1-1**).

Please note that the AANG changed the OMS to a Field Maintenance Shop (FMS) several years ago. However, the Alabama Department of Environmental Management's official name for the site is OMS-28 and all previous investigations at the site (including the UST removal and investigation) have been designated as OMS-28. Therefore, to avoid confusion, the AANG decided to continue to refer to the site as OMS-28 in all documentation relating to environmental investigations at the site.

This investigation was conducted under the authority of the USACE-Mobile District, Contract Number W91278-06-D-0066 and Task Order Number 0015. All project activities were conducted in accordance with the previously approved March 2008 Work Plan (WP).

The objectives of the Soil and Groundwater Investigation were to:

- Gain additional information about the site;
- Gain additional information about soil and groundwater contamination at the site and further delineate the soil and groundwater contamination;
- Collect data needed to complete an Alabama Risk Based Corrective Evaluation (ARBCA) of the site;

The collection of information at the OMS-28 site consisted of obtaining a right of way (ROW) drill permit from the Alabama Department of Transportation (ALDOT), preparation of a WP, Site Safety and Health Plan (SSHP), Field Sampling Plan (FSP), Quality Assurance Project Plan (QAPP), and an Investigation Derived Waste Management Plan (IDWMP). Following plan approval, the field investigation was initiated to include the advancement of four (4) sonic rotary drilling techniques shallow type II monitoring wells and three type III deep monitoring wells for the collection of soil and groundwater samples for laboratory analysis.

The results of the field data collection are provided in later sections of this report. To aid the reader, a background summary is also provided in Section 2.0 of this report.

## 2.0 PROJECT DESCRIPTION

### 2.1 Site Description

OMS 28 is located in Mobile County, near downtown Mobile at 1622 South Broad Street, between Interstate 10 and Mobile Bay. The property is relatively flat with an elevation of 20 to 30 feet above mean sea level (MSL). The subject property is located in Section 1, Township 4 South, Range 1 West and at approximate location Longitude 88°03' 42" West and Latitude 30°39' 11" North within the Brookley Complex, **Figure 1-1, Site Location Map**, and **Figure 1-2, Project Site Map**. The OMS-28 site is surrounded by U.S. Interstate Highway 10 to the west and north, the Fort Floyd A. McCorkle AANG facility building to the east, and Farmer Fresh Produce, Masonite, Inc., and SpillTech, Inc. to the south on Nowlin Street as depicted in **Figures 1-1 and 1-2**. The surface features consist of vegetative cover comprised of oak trees, scrub trees, grasses, and brush. No structures are present on the OMS-28 study site; however, the Alabama Army National Guard (AANG) facility is located approximately 250 feet east of the site. The nearest residential structure is approximately 250 feet northeast of the site.

Facilities at the Brookley Complex included runways and maintenance areas for aircraft, underground and aboveground fuel storage facilities, associated buildings, roads, housing, and landfills. No human consumption or agricultural wells are located within the boundaries of the Brookley Complex.

The Brookley Complex is designated by the Federal Aviation Administration (FAA) as operating with a Part 139 certification. The property is now owned by the Mobile Airport Authority (MAA) and the University of South Alabama (USA). The Brookley Complex is currently used as an industrial complex and airport by the MAA. The USA uses the facility as a learning center, golf course, and housing area.

Surface flow from stormwater runoff across the site varies due surface grade, vegetation, and porous surface medium.

### 2.2 Site Background and History

#### 2.2.1 TCE Comprehensive Site Investigation at OMS 28, April 2007

A single 2,000 gallon gas/diesel underground storage tank (UST) at pit 2 was removed in October 1992. Following the removal of the UST, a Preliminary Investigation (PI) was performed by the USACE for pit 2 in October 1993 and the report submitted to the Alabama Department of Environmental Management (ADEM). The PI did not fully determine the extent of soil or groundwater contamination. A secondary investigation (SI) of pit 2 was completed in December 1994, establishing the extent of soil and groundwater contamination at the site. The 1994 SI was followed by quarterly groundwater monitoring beginning in 1995. Additionally, a SI Addendum, performed by Bechtel-S, was completed in August of 2005.

During sampling for the SI Addendum, the reporting limits for MW-8 were higher than the other groundwater samples due to the dilution (by the laboratory) of this sample by a factor of 20. Dilution was required due to the interference by trichloroethene (TCE) in the sample. The TCE was not related to the gasoline/diesel fuel tank being investigated and was believed to be the

result of a localized solvent spill. No other groundwater samples collected during that event required dilution by the laboratory.

In March 2005, all of the wells onsite were sampled and analyzed for a full volatile organic compound (VOC) scan. With the exception of monitor well MW-8, TCE was not detected in the groundwater samples collected from the other onsite monitor wells. TCE was detected in the groundwater samples collected from monitor well MW-8 and the duplicate (MW-8) at concentrations of 480 micrograms per liter ( $\mu\text{g/L}$ ) and 430  $\mu\text{g/L}$ , respectively; which was above the Maximum Contamination Level (MCL) of 5  $\mu\text{g/L}$ . Cis-1,2-dichloroethene, was the only other volatile detected in the groundwater samples collected from monitor well MW-8 and the duplicate (MW-8) at concentrations of 11  $\mu\text{g/L}$  and 10  $\mu\text{g/L}$ , respectively; which was below its MCL of 70  $\mu\text{g/L}$ . No other contaminants exceeded ADEM initial screening limits (ISLs) in the groundwater samples submitted for analysis.

Bechtel-S submitted the SI Addendum and an ARBCA assessment in August 2005. The Site Specific Target Levels (SSTL) developed in the ARBCA were approved in November 2006.

In 2005, the AANG installed five temporary wells, TW-1 through TW-5, at the site to further delineate the TCE plume based on sample results from MW-8. The wells were installed by hand with hand cut screen and a filter pack of sand. TCE was detected in the groundwater sample collected from one temporary well (TW-4) at an approximate concentration of 1.9  $\mu\text{g/L}$ , which was below the MCL of 5  $\mu\text{g/L}$ . None of the remaining wells sampled showed detectable concentrations of TCE.

On February 21, 2006, confirmatory groundwater samples were collected from temporary monitoring wells TW-1, TW-3, TW-4, TW-5, PZ-1, and PZ-2 and submitted for laboratory analysis of TCE. TCE was detected in one groundwater sample collected from TW-4 at 1.86  $\mu\text{g/L}$ , while the other groundwater samples were non-detect. Based on the results of the confirmatory sampling of groundwater, ten hand auger soil borings and eight direct push borings to collect groundwater were installed in April 2006. In May of 2006, three additional hand auger borings were installed to collect soil samples and three additional direct push borings were installed to collect groundwater samples. Ten soil samples out of 23 exhibited TCE levels ranging from 0.00311J to 0.586J, milligrams per kilogram (mg/Kg), where "J" represents an estimated value. Three of the samples exceeded either a residential or commercial Preliminary Screening Value (PSV). Five out of 11 groundwater samples detected the presence of TCE ranging from 6.74 to 145 milligrams per liter (mg/L), all of which exceeded a PSV.

Based upon the February and May 2006 soil and groundwater analytical results, three additional soil borings (HA-11 through HA-13) were advanced further south, east, and north of the original ten borings for further delineation of the soil and groundwater.

Three additional temporary wells, B-9/TW-14, B-10/TW-15, and B-11/TW-16, were advanced to the southwest of B-8, downgradient of B-8, and northeast of B-2, respectively, to further delineate TCE. Three additional groundwater samples were collected from B-9/TW-14, B-10/TW-15, and B-11/TW-16.

Additionally, a LNAPL Flute™ liner was inserted in boring B-12 in order to determine if TCE was accumulating in the subsurface. The flute liner was placed in the area of elevated

groundwater concentrations (TW-13). The flute liner remained in place, approximately one and a half hours before it was removed at each boring and checked for color change. A color change would have indicated the presence of product but there was no color change evident.

Based on the results of the February and May, 2006 sampling activities, four monitoring wells (MW-9 through MW-12) were installed on October 22, 2006 using hollow stem auger drilling techniques. Groundwater samples were collected from monitoring wells MW-6 and MW-8 through MW-12 in October and November of 2006. The results of groundwater samples collected from these wells identified the presence of TCE in three of the wells, MW-8 (83 µg/L), MW-10 (11 µg/L), and MW-11 (63 µg/L). Each exceeded a tap water PSV. A TCE Comprehensive Investigation report detailing the findings of the February through November 2007 activities was submitted to the USACE in April of 2007.

### **2.2.2 ADEM review of TCE investigation**

Upon review of the TCE Comprehensive Investigation Report, ADEM issued a letter to the AANG dated June 28, 2007, requiring additional investigation at the site. In addition, ADEM required, in a letter dated August 17, 2007, that temporary wells TW-1 through TW-5 be properly abandoned as they were improperly installed. Copies of the ADEM letters are contained in **Appendix A**.

### **3.0 PHYSICAL CHARACTERISTICS OF OMS-28 COMPREHENSIVE INVESTIGATION AREA**

#### **3.1 Physiography and Topography**

The Brookley Complex is located within Mobile County. Much of the land in Mobile County is used for industrial and agricultural purposes. Large areas along the Mobile and Tensaw Rivers and along the coast are characterized by low-lying, swampy terrain and brackish water. The Brookley Complex is included in this area.

The Brookley Complex lies entirely within the East Gulf Coastal Plain physiographic section, Alluvial-Deltaic Plain District and Coastal Lowlands District.

The Alluvial-Deltaic Plain District, which consists of alluvial and terrace deposits from the rivers, are areas with very little relief, and the surface topography ranges in altitude from 100 feet to sea level.

Coastal Lowlands District areas are characterized by flat to gently undulating, locally swampy plains underlain by terrigenous deposits of Holocene and late Pleistocene age. They include the mainland plain indented by many tidal streams and fringed by tidal marshes and barrier islands. The landward edge of the district is defined by the base of the Pamlico marine scarp at 25 to 30 feet of elevation. The barrier islands and tidal marshes in the area are undergoing continual modification by erosion and deposition.

#### **3.2 Regional Geology**

Geologic units that occur within the study area range from Tertiary to Quaternary age. Alluvial and terrace deposits of Quaternary Age overlie Tertiary age deposits adjacent to the flood plains of the larger streams and river, and along the coastal areas, such as Mobile Bay.

Geologic units of Tertiary Age that are sources of potable groundwater are the Miocene Series Undifferentiated and the Citronelle Formation. The Miocene Series outcrops in central and northern Mobile and Baldwin Counties. The Miocene Series consists of sedimentary deposits of marine and estuarine origin. The sediments consist mainly of laminated to thinly-bedded clays, sands, and sandy clays. The sands range from fine- to coarse-grained and are locally cross bedded. In outcrops, the sands weather to a variety of colors, some distinctly mottled. At some exposures, beds of sand contain gravel and petrified plant fossils, and clays contain carbonized leaf remains.

The Citronelle Formation of Pliocene age overlies the Miocene Series and crops out in central and southern parts of the study area. The formation, which is relatively thin in northern parts of the study area, is about 200 feet thick in the subsurface in the southern part of the study area. The sediments consist of gravelly sands and sandy clays. In many areas, lenses of sandy clay and clayey sand, which range in thickness from 5 to 15 feet, are interbedded with gravelly sand. Sediments along the base of the Citronelle Formation have a high clay content, indicating that they were deposited in an estuarine environment, whereas, overlying sediments were deposited by sediment-laden streams.

Pleistocene and Holocene Series of Quaternary age deposits overlie Miocene and Pliocene sediments. Alluvial, low terrace and coastal deposits represent complex beach, dune, lagoonal, estuarine, and deltaic depositional environments. The deposits consist of very fine- to coarse-grained sand that is gravelly in many exposures. Sandy clay is interbedded with the sand at some exposures. The thickness of the alluvial, low terrace and coastal deposits are estimated to range from 0 to 200 feet, based on the first occurrence of coarse siliclastic sediments.

The Quaternary sand and gravel beds represent buried channel deposits. Their width and depth are similar to that of the present river bed sediments. The length of individual sand and gravel beds probably ranges from a few hundred to a few thousand feet. These buried channel deposits are surrounded by silt and clay sediments similar to those being deposited on the present flood plain of the river.

### **3.3 Regional Hydrogeology**

The Pliocene-Miocene and the alluvial-coastal aquifer are the major aquifers in the study area. Although the aquifers are lithologically different, they are hydraulically connected and generally respond to stresses as a single aquifer.

Groundwater in the Pliocene-Miocene aquifer occurs in beds of sand and gravel which are lenticular in shape and of limited lateral extent. The sand and gravel beds in the Citronelle Formation and those at shallow depths in the Miocene Series Undifferentiated are hydraulically connected to land surface; therefore, the aquifer is unconfined. At depth clayey sediments in the Miocene Series are semi-confining, which reduces vertical infiltration of water. Thus, the aquifer in deeper portions of the Miocene Series responds to short-term pumpage as a confined aquifer. Wells properly constructed in the Pliocene-Miocene aquifer yield from 0.5 to 2.0 million gallons per day (Mgal/d).

The alluvial-coastal aquifer is hydraulically connected to the Pliocene-Miocene aquifer. Properly constructed wells in the alluvial-coastal aquifer have the potential to yield from 0.5 to 1.0 Mgal/d. Most high-yield wells are completed in beds of sand and gravel that originate from coastal deposits and buried river sediments. The buried channels are surrounded by silty and clayey sediments that do not yield significant amounts of water, but do allow slow infiltration of water to the sand and gravel beds. Individual buried channels may be directly connected to the present channels of the Mobile River.

The source of recharge to the aquifers is rainfall, which averages 62 inches per year (in/yr) in the study area. About 28 in/yr of rainfall runs off during and immediately after storms; a small amount of rainfall infiltrates the subsurface as recharge to the aquifers; and the remainder is returned to the atmosphere by evaporation and transpiration of trees and other plants.

Most recharge to the major aquifers in Mobile County occurs within the boundaries of the study area, and a small amount is contributed from Miocene outcrop areas to the north.

Groundwater discharges are primarily to streams, water bodies, and wells. Some of the larger groundwater pumping centers in the study area are the cities of Grand Bay, Fairview, Dauphin

Island, Theodore, Kushla, LeMoyne, Citronelle, Mt. Vernon, Bayou La Batre, Saraland, and St. Elmo in Mobile County.

In addition to public water supply, substantial quantities of groundwater are used for irrigation. Mobile County has several chemical and paper factories and other industries that use large quantities of groundwater.

Large withdrawals of water from an aquifer often cause a depression in the potentiometric surface of the aquifer. The extent of the depression depends on the amount of water withdrawn and the water-bearing characteristics of the sediments. A large depression exists around the Prichard-Mobile area in Mobile County. Most of the groundwater withdrawals in this area are for industrial purposes. Other smaller depressions occur in the vicinity of some industries along the Mobile River in northern Mobile County. The effects of the depressions are localized because of their proximity to the Mobile River, which is hydraulically connected to the aquifers in the area. The Mobile River has an average annual discharge of about 70,000 cubic feet per second (ft<sup>3</sup>/s), which is more than adequate to recharge the aquifers as withdrawals occur. However, in tidal reaches of the Mobile River, the recharge could introduce saltwater into the aquifer.

Recharge areas for the major aquifers, which include the entire study area, are susceptible to surface contamination. The topography in the study area is flat to low rolling hills. This type of terrain minimizes surface runoff, allowing more time for water to infiltrate into the soil.

Areas that are highly susceptible to contamination from the surface are relatively flat terrain with very permeable soils. Many of these areas are used for intensive row-crop farming where pesticides are used extensively. Along the Mobile River in the northern part of Mobile County, chemical industries are potential sources of contamination to the groundwater. The regions of the study area that are not considered to be highly susceptible to surface contamination are where topographic relief is greater; this promotes increase surface runoff and dispersion and dilution of surface contaminants.

Regions underlain by the alluvial and coastal sediments generally are areas of groundwater discharge; this decreases the likelihood of a contaminant migrating into the deep groundwater system.

### **3.4 Site Geology/Hydrogeology**

Information about the site geology was collected from data gathered at the location when exploratory boring and monitoring wells OMS-28-2 through OMS-28-7 were installed on March 24, 26, 27, and 28 and monitoring well OMS-28-1 was installed on June 6, 2008. Site hydrogeology information was collected during groundwater sampling conducted on July 1 and July 8, 2008. A review of the boring logs of the installation of the exploratory boring and OMS-28-1 through OMS-28-7 revealed that with some exceptions, a dark red to brown and gray silty clay loam was encountered from just below ground surface to a depth of 5 to 10 feet below ground surface (bgs). Brown to gray sands, silty sands, and clayey sands were generally encountered beginning at 5 to 10 feet bgs. These sands, silty sands, and clayey sands usually continued until gray stiff clay was encountered at depths of 16 to 35 feet bgs. In deeper borings

the gray stiff clay continued to a depth of 70 to 84 feet bgs. A gray coarse grained sand was located beneath the stiff clay in the deep borings and continued to boring termination at depths in the deep borings that varied from 76 to 80 feet bgs. The exploratory boring was continued to a depth of 120 feet bgs. In this boring the coarse grained sand ended at 90 feet bgs where light gray sandy clay, clayey sand, and silty clayey extended to a depth of 104 feet bgs where light gray clay and silty clay was encountered from 104 feet bgs to boring termination at 120 feet bgs. Soil boring and well construction diagrams showing the soil lithology and well construction details are presented in **Appendix B**.

Depths to water in the monitoring wells were measured during the July 1, 2008 and July 8, 2008, groundwater sampling events and again on August 25, 2008. The August 25, 2008 recording event provided the most complete groundwater data. The water table at the time of the site inspection on August 25, 2008, varied from a depth of 3.35 feet to 8.79 feet below top of casing to in shallow monitoring wells MW-5, MW-8, MW-9, MW-12, OMS-28-2, OMS-28-3, OMS-28-5, and OMS-28-7. Depth to water in deep monitoring wells OMS-28-1, OMS-4, and OMS-6 varied from 22.45 feet to 28.89 feet below top of casing. A flow direction to the north for the August 28, 2008 recording event was estimated using shallow monitoring wells MW-5, MW-8, MW-9, MW-12, OMS-28-2, OMS-28-3, OMS-28-5, and OMS-28-7.

## 4.0 METHODOLOGY

### 4.1 Field Activities Summary

Prior to the commencement of field activities, the ALDOT was contacted to obtain a permit to drill in the ALDOT ROW in order to install monitoring well OMS-28-1. Obtaining the ALDOT ROW permit was a lengthy process that delayed the start of the OMS-28 Supplemental Comprehensive Investigation field activities. The field activities of this Supplemental Comprehensive Investigation began with the abandonment of temporary monitoring wells TW-1 through TW-5, permanent monitoring wells MW-10 and MW-11, and piezometers PZ-1 and PZ-2. Following the abandonment, one exploratory boring was installed to assess the subsurface conditions prior to installation of the soil borings and monitoring wells. Subsequent to the installation of the exploratory boring, four shallow type II groundwater monitoring wells (OMS-8-2, OMS-8-3, OMS-8-5, and OMS-8-7) and three type III double cased deep groundwater monitoring wells (OMS-8-1, OMS-8-4, and OMS-8-6) were installed using sonic rotary drilling techniques. During the soil boring field activities, a continuous core of the subsurface from each boring was collected for visual identification of the soil types encountered. Additionally, a soil sample was collected from each boring at 5 foot intervals for headspace screening with an Organic Vapor Analyzer equipped with a Flame Ionization Detector (OVA-FID). Three soil samples from each shallow well - one surficial sample, one with the highest OVA reading, and one collected above the soil/groundwater interface, were selected for laboratory analysis of Target Compound List (TCL) Volatile Compounds by EPA Method 8260. Four soil samples from each deep well - one surficial sample, one with the highest OVA reading above the water table, one with the highest OVA reading below the water table, and the soil sample collected from just above the soil/groundwater interface, were selected for laboratory analysis of the TCL Volatile Compounds by EPA Method 8260. **Figure 2, Sample Location Map** illustrates sample locations. **Table 1, Field Investigation Sampling Summary**, identifies the samples collected during this Comprehensive Secondary Investigation.

### 4.2 Well Abandonment

In a letter dated August 17, 2007, ADEM required that temporary wells TW-1 through TW-5 be properly abandoned as they were improperly installed. In preparation for the field effort for this Supplemental Comprehensive Investigation, the USACE attempted to obtain the rights to enter the private property where permanent monitoring wells MW-10 and MW-11 were located. However, the homeowner would not allow USACE to enter the property to sample the wells and demanded that the wells be removed from the property. Because of this, permanent monitoring wells MW-10 and MW-11 were scheduled for abandonment.

Temporary monitoring wells TW-1 through TW-5 and MW-10 and MW-11 were abandoned prior to soil boring activities. Abandonment procedures included pulling the well screen and well casing from the subsurface and grouting each well annulus with a neat grout mixture of 95% portland cement and 5% bentonite clay from the bottom of the annulus to approximately one foot bgs with a tremie pipe clay to insure that vertical migration of surface water into the surficial aquifer does not occur. The area surrounding each monitoring well and piezometer was covered with soil, returned to its original grade, and all well materials were removed from the site and disposed of. A Well Abandonment Report detailing the well abandonment activities was

prepared and submitted to ADEM on May 19, 2008. In a letter dated July 10, 2008, ADEM determined that the wells were properly abandoned. Copies of the ADEM letters are provided in **Appendix A**.

### **4.3 Soil Borings & Soil Sampling**

An exploratory boring and permanent monitoring wells OMS 28-2 through OMS 28-7 were installed as part of this investigation on March 26 through March 28, 2008. Because of delays encountered during the procurement of the ALDOT ROW permit, permanent monitoring well OMS-28-1 was not installed until June 6, 2008. These wells were intended as replacements for the temporary wells and piezometers at the site or were installed in locations thought to be more beneficial to the TCE Investigation. The deep wells were to delineate the vertical contamination. The locations of all soil borings are shown on **Figure 2**.

On March 24, 2008, an exploratory boring was advanced in the southwest portion of the site to assess the local subsurface conditions. This exploratory boring was advanced using sonic rotary drilling techniques to a depth of 120 feet bgs. Sonic rotary drilling allowed a continuous core of subsurface material to be collected for visual identification of the soil types encountered during the boring installation. The exploratory boring was logged to determine if a confining layer was present and determine subsurface lithology for placement of shallow and deep wells. Additionally, the exploratory boring was used to collect geotechnical samples that will be used for an ARBCA assessment of the site. Shelby tube geotechnical samples were collected from the exploratory boring at the ground surface, in the unsaturated zone at a depth of 10 feet bgs, and the saturated zone clay at a depth of 105 feet bgs. When the boring was completed and all samples had been collected, the boring annulus was filled with a neat grout mixture of 95% portland cement and 5% bentonite clay with a “tremie” pipe to within 2 feet of the ground surface.

Each Shelby tube geotechnical sample was submitted to Thompson Engineering, Inc. in Mobile, Alabama for analysis of porosity, bulk density, water content, fractional organic carbon content, and soil bulk density. Results of the soil geotechnical laboratory analysis are presented in **Appendix C**. As per the ADEM ARBCA guidance, the samples were located to “determine typical soil properties which are representative of the source area” and to “be representative of the soils through which the (chemicals of concern) migrate to reach groundwater.” In addition, the exploratory boring was located so that it allowed access native soils not impacted by release.

Following the installation of the exploratory boring borings, OMS-28-2 through OMS-28-7 were installed on March 26 and 27, 2008. Borings OMS-28-2, OMS-28-3, OMS-28-5, and OMS-28-7 were shallow borings installed to depths of 20 feet bgs. Borings OMS-28-1 and OMS-28-4 OMS-28-6 were deep borings installed to depths to depths of 80 feet bgs, 75 feet bgs, and 75 feet bgs, respectively. As with the installation of the exploratory boring, soil borings OMS-28-2 through OMS-28-7 were advanced using sonic rotary drilling techniques to allow a continuous core of subsurface material to be collected for visual identification of the soil types encountered during the boring installation.

On June 6, 2008, following receipt of the ALDOT ROW permit, soil boring OMS-28-1 was installed off site to the north, along the U.S. Interstate 10 East Service Road. This boring was a

deep boring placed next to the existing shallow well MW-12. As with borings OMS-28-2 through OMS-28-7, OMS-28-1 was installed with sonic rotary drilling techniques to allow a continuous core of subsurface material to be collected for visual identification of the soil types encountered during the boring installation.

With the exception of the installation of the exploratory boring, soil samples were collected at five-foot intervals from each boring and screened with an OVA-FID. All soil samples were visually classified according to the Unified Soil Classification System (ASTM D 2487-92 and ASTM D 2488-90). Boring logs showing a visual depiction of each soil boring are contained in **Appendix B**.

Three soil samples from each shallow well were selected for laboratory analysis - one surficial sample, one with the highest OVA reading, and one collected above the soil/groundwater interface. Four soil samples from each deep well were selected for laboratory analysis - one surficial sample, one with the highest OVA reading above the water table, one with the highest OVA reading below the water table, and the soil sample collected from just above the soil/groundwater interface. It should be noted that all sampling equipment was decontaminated between each sampling event, utilizing a Liquinox wash, tap water rinse, isopropanol rinse, and DI water rinse.

Following selection for laboratory analysis, each soil sample was placed into clean laboratory supplied containers, placed on ice, and transported under proper chain-of-custody protocol to Analytical Laboratories, Inc, of Baton Rouge, Louisiana, and Test America, Inc. of Mobile, Alabama. The soil samples were analyzed for TCL Volatile Compounds by EPA Method 8260. Both testing laboratories and AEROSTAR adhere to the quality control program, including spikes, blanks, and duplicates, of EPA SW-846 and ER 1110-1-263. This guidance requires the following:

- a. 10% of all samples will be collected for duplicate/split
- b. 10% for rinsate analysis
- c. 10% of groundwater volatile sampling to be trip blanks (one per cooler)

Soil sample results are reported in dry weight per EPA SW-846, which requires % solids determination. Soil cuttings generated during the installation of the soil borings were containerized and stored at an approved location on-site as investigation derived waste (IDW) until disposal. **Appendix D** provides the IDW inventory. Copies of soil laboratory analytical reports and chain of custody are provided in **Appendix E**.

## **4.4 Monitoring Well Installation**

### **4.4.1 Type II Wells**

Following the completion of the soil borings on March 26 and 27, 2008, each soil boring was converted to a groundwater monitoring well. The wells were installed in accordance with Publication Number: EM 1110-1-4000, Title: Engineering and Design - Monitoring Well Design, Installation, and Documentation at Hazardous Toxic, and Radioactive Waste Sites. The four shallow borings were converted to shallow Type II monitoring wells (OMS-28-2, OMS-28-3, OMS-28-5, and OMS-28-7) with their screen in the uppermost aquifer. The wells

were installed in accordance with the technical requirements of the August 21, 2007, SOW and all local, State, and Federal requirements. Each Type II well was constructed of 10 feet of 0.01” slotted 2-inch PVC screen and enough well casing to bring the well to or just above the ground surface. The annulus of each borehole was filled with clean, graded quartz sand to approximately 2 feet above the top of the screen. A 2-foot layer of bentonite pellets was then gravity fed into the annulus of each borehole. This layer of bentonite pellets was saturated with tap water and allowed to hydrate. Following the hydration of the bentonite, a neat grout mixture of 95% Portland cement and 5% bentonite clay was pumped into each well annulus with a tremie pipe until the grout mixture was within one foot of the ground surface. The well casings were sealed with locking, watertight well caps. Please see the Soil Boring Log/Monitoring Well Construction Diagrams contained in **Appendix B** for individual monitoring well construction details.

#### **4.4.2 Type III Wells**

Following the completion of the soil borings on March 26 and 27, 2008 and June 6, 2008, each soil boring was converted to a groundwater monitoring well. The wells were installed in accordance with Publication Number: EM 1110-1-4000, Title: Engineering and Design - Monitoring Well Design, Installation, and Documentation at Hazardous Toxic, and Radioactive Waste Sites. The three deep borings were converted to Type III double cased monitoring wells (OMS-28-1, OMS-28-4, and OMS-28-6) with their screen in a deeper aquifer. The wells were installed in accordance with the technical requirements of the August 21, 2007, SOW and all local, State, and Federal requirements. The outer casing of each type II well was constructed using an 8-inch diameter schedule 40 PVC casing. The 8-inch casing was installed to a depth indicative of the confining strata or 80 feet bgs, whichever was shallower. The surface casing of each type III well was grouted in place with a neat grout mixture of 95% portland cement and 5% bentonite clay using a tremie pipe. After allowing the cement grout to set, the boring was advanced through the next confining layer. Well installation was completed using 10 feet of 0.01-inch factory slotted well screen set at depths of 76 feet bgs to 80 feet bgs and 2-inch diameter flush-threaded Schedule 40 PVC risers. The annulus of each borehole was filled with clean, graded quartz sand to approximately 2 feet above the top of the screen. A 2-foot layer of bentonite pellets was then gravity fed into the annulus of each borehole. This layer of bentonite pellets was saturated with tap water and allowed to hydrate. This method enabled the lower water bearing zone to be isolated. A locking well waterproof well cap was installed at the top of each well and each well was finished with either a bolt down flush mount cover set in concrete at ground level or a metal stick up protective cover depending on its location.

## 4.5 Site Survey

Coordinates and elevations were established for soil boring/monitoring well locations using a Professional Land Surveyor (PLS). On August 18, 2004, the OMS-28 site was surveyed by Lawler and Company Land and Industrial Surveyors, Inc., (LAWLER). The location of each newly installed well, OMS-28-1 through OMS-28-7, along with existing wells MW-5, MW-8, MW-9, MW-12 was surveyed. The survey was tied into the Alabama Local State Plane Coordinate System, North American Datum (NAD) Alabama West 1983 (1992), and all elevations are in National Geodetic Vertical Datum (NGVD 1929). The coordinates are to the closest one-foot and were referenced to the State Plane Coordinate System. Ground surface elevations and TOC elevations were measured to the nearest 0.01-foot. The top of each well casing was marked to identify a constant measuring point for measuring water levels. A copy of the survey data from LAWLER is included in **Appendix F**.

## 4.6 Groundwater Elevation & Flow Direction

On July 1, 2008, July 8, 2008, and August 25, 2008, groundwater levels were measured at the site. Static water levels were measured in all monitoring wells using an electronic groundwater level indicator. Liquid levels were measured to the nearest 0.01 foot from the top of each well casing for calculation of the groundwater elevation. This information was used to determine groundwater flow direction, which is discussed in Section 5.0 of this report. **Table 2, Groundwater Elevation Data** identifies survey data, depth to water (DTW) and elevation measurements.

## 4.7 Well Development

The wells installed during this investigation were developed in accordance with Publication Number: EM 1110-1-4000, Engineering and Design - Monitoring Well Design, Installation, and Documentation at Hazardous Toxic, and Radioactive Waste Sites, which says, in part, "The final development of monitoring wells should be initiated no sooner than 48 hours after or more than 7 days beyond the final grouting of the well" and "Well development should be completed at least 14 days before well sampling". Monitoring wells OMS-28-2 through OMS-28-7, which were installed on March 26 through 28, 2008, were developed on April 1, 2008. Monitoring well OMS-28-1 which was installed on June 6, 2008, was developed on June 11, 2008. The newly installed monitor wells were developed using a peristaltic pump and high density polyethylene tubing (HDPE) tubing. New tubing was used for each well and each well was developed until the water was free of silt and sand. All decontamination and development fluids generated during development activities were containerized and stored as IDW in labeled drums and stored on site. **Appendix D** provides the IDW inventory.

## 4.8 Monitoring Well Purging and Sampling

On July 1, 2008, and July, 8, 2008, prior to groundwater sampling activities, static water levels were measured in monitoring wells MW-5, MW-6, MW-8, MW-9, MW-12, and OMS-28-1 through OMS-28-7 using an electronic water level indicator prior to purging and sampling activities. Water levels were measured to the nearest 0.01 foot from the top of each well casing for comparison to a common datum.

In order to obtain valid, representative groundwater samples, each well was purged prior to collecting samples via peristaltic pump which is an approved method for this project. New tubing was attached to the pump at each well location. The total water column was determined by subtracting the depth to the top of the water column from the total depth of the well. The total purge volume for each well was at least three times the well volume in gallons. All decontamination fluids and purge water generated were containerized and stored at an approved location as IDW. **Appendix D** provides the IDW inventory.

Remediation through natural attenuation (RNA) data including conductivity, pH, oxidation-reduction potential (ORP), dissolved oxygen (DO) and temperature were measured and recorded during purging. Unfortunately, an instrument malfunction prevented measurement of DO in all samples but the one collected from MW-12. Stabilization of these parameters was assumed when successive measurements after each well volume varied by 10% or less. Purging continued until these parameters stabilized or the well went dry. The volume of water removed from each well was also measured and recorded. **Table 3, RNA Field Measurements** contains all RNA measurements recorded during the July 1, 2008 and July 8, 2008 sampling events.

#### **4.9 Monitor Well Sampling**

On July 1, 2008, groundwater sampling was completed at monitoring wells MW-5, MW-6, MW-8, MW-9, MW-12, OMS-28-2, OMS-28-3, OMS-28-5, and OMS-28-7. Unfortunately, the peristaltic pump malfunctioned during the July 1, 2008 sampling event and monitoring wells OMS-28-1, OMS-28-4, and OMS-28-6 could not be sampled. A peristaltic replacement pump was ordered and monitoring wells OMS-28-1, OMS-28-4, and OMS-28-6 were sampled on July 8, 2008. Following purging stabilization, groundwater grab samples were collected in pre-cleaned and preserved laboratory supplied containers. All samples were logged using proper chain-of-custody protocol, and then placed on ice in a cooler for delivery to Gulf Coast Analytical Laboratories, Inc., in Baton Rouge, Louisiana for analysis of TCL Volatile Compounds by EPA Method 8260. Copies of the groundwater laboratory analytical reports and chains-of-custody are provided in **Appendix E**.

#### **4.10 Investigation Derived Waste Handling**

During the course of the field investigation, IDW was generated and handled in accordance with the IDWMP. The IDWMP addressed the requirements of the National Contingency Plan (NCP) along with the EPAs interpretation of these plans. The inventory of IDW generated during the investigation along with the disposal manifests are provided in **Appendix D**. On June 6, 2008, all soil IDW was removed from the site by SunCoast Environmental Consultants, Inc. for disposal.

## 5.0 FINDINGS

### 5.1 Groundwater Elevation and Flow Direction

Depth to the groundwater at the site was measured on July 1, 2008, July 8, 2008, and August 25, 2008, with an electronic groundwater level indicator. The depth to the groundwater from the TOC was recorded and this distance was subtracted from the TOC elevation for each well established in the survey of the site. Depth to groundwater in the shallow wells (MW-5, MW-6, MW-8, MW-9, MW-12, OMS-28-2, OMS-28-3, OMS-28-5, OMS-28-7) during the gauging events varied from 3.35 feet below TOC in monitoring wells MW-5 and MW-8 to 12.91 feet below TOC in monitoring well OMS-28-2. Depth to water in the deep wells (OMS-28-1, OMS-28-4, OMS-28-65) during the gauging events varied from 8.89 feet below TOC to 26.85 feet below TOC in monitoring well OMS-28-4. A review of the water level measurements collected on August 25, 2008 from MW-5, MW-6, MW-8, MW-9, MW-12, OMS-28-2, OMS-28-3, OMS-28-5, OMS-28-7 indicates that the groundwater flow direction at the OMS-28 site is to the north. This flow direction is somewhat further to the east than past monitoring events. It should be noted that the groundwater levels in the wells rose by approximately three feet from early July 2008 to late August 2008 and the water levels recorded and the flow direction estimated from the August 28, 2008 site visit may be anomalous.

Water levels and elevation data are provided in **Table 2. Figure 3, Generalized Groundwater Flow Map** identifies generalized groundwater flow direction of the most recent (August 25, 2008) groundwater gauging event.

### 5.2 Soil Analytical Results

Table 5-1 presents the soil analytical results. The soil laboratory analytical reports for all soil samples collected during this investigation and associated chains-of-custody are provided in **Appendix E**.

Twenty four (24) soil samples were collected from seven (7) locations during the course of this investigation and compared to the ARBCA June 2007 commercial PSVs and the EPA Regional Screening Levels for Chemical Contaminants at Superfund Sites (EPA RSL) for commercial soil. The following contaminants were detected in soil samples collected during this investigation; 2-butanone, acetone, chloroform, carbon disulfide, methyl acetate, TCE, and cis-1-2dichloroethene. With the exception of TCE, all the contaminants were detected at levels that were below their respective PSV or EPA RSL.

The TCE levels detected in the soil samples collected from OMS-28-3 at a depth of 10 to 15 feet bgs, OMS-28-6 at a depth of 5 to 10 feet bgs and again at a depth of 10 to 15 feet bgs were 0.211J mg/Kg, 0.076 mg/Kg, and 0.107J mg/Kg, respectively. The TCE levels detected in OMS-28-6 exceed the ADEM Residential soil PSV, while the TCE level in the soil samples collected from OMS-28-3 exceeded the ADEM Residential and Commercial Soil PSVs. Additionally, TCE was detected in the sample collected from OMS-28-4 at a depth of 10 to 15 feet bgs at a concentration that was lower than ADEM PSVs. Please see **Table 4, Soil Analytical Results** for the soil analytical results. **Figure 4, Soil Analytical Results**, illustrates the analytical results of the soil testing. **Figure 5, TCE Concentrations in Soil, April & May**

**2007 (0-12 Inches)**, and **Figure 6 TCE Concentrations in Soil, April & May 2007 (Subsurface)** from the April 2007 TCE Investigation are provided for reference.

### 5.3 Groundwater Analytical Results

**Table 4, Groundwater Analytical Results**, summarizes the groundwater analytical results while **Figure 2** illustrates the sample locations and the analytical results. **Figure 7, Groundwater Analytical Results** contains a visual depiction of the groundwater analytical results. The groundwater laboratory analytical reports for all groundwater samples collected during this investigation and associated chains-of-custody are provided in **Appendix E**. Contaminants detected in groundwater samples (including estimated values) collected during this investigation are identified as 1,2-dichloroethane, 1,3-dichlorobenzene, 2-butanone (MEK), 4-methyl-2-pentanone (hexone) acetone, benzene, bromoform, chloroform, chloromethane, cyclohexane, methylcyclohexane, methylene chloride, naphthalene, tetrachloroethene, TCE, vinyl chloride, xylenes, (cis)-1,2-dichloroethene, and (trans)-1,2-dichloroethene. Contaminants detected in groundwater samples (including estimated values) collected during this investigation that exceeded either an ADEM PSV or an EPA RSL are identified as benzene, chloromethane, methylene chloride, naphthalene, tetrachloroethene, and TCE.

The naphthalene concentration detected in the groundwater sample collected from monitoring well MW-5 of 0.00464J mg/L exceeded the ADEM drinking water PSV of 0.00062 mg/L. The benzene concentration of 0.016 mg/L and the naphthalene concentration of 0.028 mg/L detected in the groundwater sample collected from monitoring well MW-6 exceeded the ADEM drinking water PSVs for benzene and naphthalene of 0.005 mg/L and 0.0062 mg/L, respectively. However, it should be noted that Groundwater Resource Protection Target Concentrations of 0.0311 mg/L for benzene and 0.124 mg/L for naphthalene for compliance wells downgradient from the UST were calculated in the ARBCA for OMS 28 Pit #2, Revision 1, dated November 2001. Therefore, the concentration of benzene and naphthalene in these wells do not exceed the site specific target levels.

The chloromethane concentration of 0.00210J mg/L and TCE concentration of 0.133 mg/L in monitoring well MW-8 exceeded the ADEM drinking water PSVs for chloromethane and TCE of 0.0016 mg/L and 0.005 mg/L, respectively. The methylene chloride concentration of 0.00905J mg/L detected in the groundwater sample collected from monitoring well OMS-28-1 exceeded the ADEM drinking water PSV for methylene chloride of 0.005 mg/L. The TCE concentration of 0.08 mg/L detected in the groundwater sample collected from monitoring well OMS-28-3 exceeded the ADEM drinking water PSV for TCE of 0.005 mg/L. The tetrachloroethene concentration of 0.13 mg/L and TCE concentration of 0.039 mg/L detected in the groundwater sample collected from monitoring well OMS-28-5 exceeded the ADEM drinking water PSVs for tetrachloroethene and TCE of 0.0016 mg/L and 0.005 mg/L, respectively. No other chemical of concern exceed an ADEM drinking water PSV or an EPA RSL for drinking water in any of the groundwater samples collected during this investigation.

It should be noted that a J flag attached to any concentration indicates that the value given is an estimated value determined by the analytical laboratory. Additionally, the TCE concentration of 0.129 mg/L in the duplicate sample collected from monitoring well MW-8 exceeded the ADEM

drinking water PSV for TCE of 0.005 mg/L. Chloromethane, which was detected in MW-8 at 0.00210J, was not detected in the duplicate sample collected from MW-8. The chloromethane concentration of 0.00184J mg/L and methylene chloride concentration of 0.00907J mg/L in the duplicate sample collected from monitoring well OMS-28-1 exceeded the ADEM drinking water PSVs for chloromethane and methylene chloride of 0.0016 mg/L and 0.005 mg/L, respectively. These duplicate values are comparable to the values detected in monitoring wells MW-8 and OMS-28-1.

Review of the groundwater analytical results reveals that only one deep well, OMS-28-1, had any chemical of concern that exceeded an ADEM drinking water PSV. The methylene chloride concentration detected in the groundwater sample collected from OMS-28-1 of 0.00905J mg/L exceeded the ADEM drinking water PSV of 0.005 mg/L by 0.00405 mg/L or 0.00405 parts per million. This result was confirmed by the methylene chloride concentration of 0.00907J mg/L in the duplicate sample collected from OMS-28-1. However, it should be noted that the methylene chloride concentrations in the sample and duplicate sample collected from OMS-28-1 were laboratory estimated or “J” values.

A visual representation of the estimated TCE plume is presented as **Figure 8, TCE Groundwater Plume**.

## 6.0 SUMMARY

### 6.1 Soil

Review of the laboratory results of the soil samples collected and analyzed during the course of this investigation reveals that TCE concentrations exceeded the ADEM residential soil PSV for TCE in soil boring OMS-28-6 at depths of 5 to 10 and 10 to 15 feet bgs. Additionally, the TCE concentration in the soil sample collected from OMS-28-3 at a depth of 10 to 15 feet bgs exceeded the ADEM commercial soil PSV for TCE. TCE concentrations from surface soil samples collected from HA-15 and HA-2 and the subsurface in HA-15 for the April 2007 TCE Investigation also exceeded the ADEM commercial soil PSV for TCE. No other soil sample exhibited a chemical of concern concentration above its respective ADEM commercial soil PSV or EPA RSL. Soil contamination does not appear to be a significant concern at the OMS-28 site.

### 6.2 Groundwater

Review of the laboratory results of the groundwater samples collected and analyzed during this investigation reveals that six (6) chemicals of concern – benzene, chloromethane, methylene chloride, naphthalene, tetrachloroethene, and TCE were detected in groundwater at concentrations that exceeded their respective ADEM drinking water PSV.

Exceedences of ADEM drinking water PSVs were primarily concentrated in the Type II shallow monitoring wells located on site in the southeastern portion of the OMS-28 site. Review of the analytical results indicates that the TCE plume has been delineated and is located at the southwest portion of the site. With the exception of OMS-28-1, no groundwater concentration in any deep well (OMS-28-1, OMS-28-4, and OMS-28-6) at the site exceeded any ADEM PSV. The estimated methylene chloride concentration in OMS-28-1 slightly exceeded the ADEM PSV for methylene chloride. The analytical results of groundwater samples collected at OMS-28 indicate that the plume has been delineated vertically and does not extend below the surficial aquifer.

The naphthalene concentration in monitoring well MW-5 exceeded the ADEM drinking water PSV. Benzene and the naphthalene concentrations in monitoring well MW-6 exceeded the respective ADEM drinking water PSVs. However, it should be noted that Groundwater Resource Protection Target Concentrations of 0.0311 mg/L for benzene and 0.124 mg/L for naphthalene for compliance wells downgradient from the UST were calculated in the ARBCA for OMS 28 Pit #2, Revision 1, dated November 2001. Therefore, the concentration of benzene and naphthalene in these wells do not exceed the site specific target levels.

The chloromethane concentration and TCE concentration in monitoring well MW-8 exceeded their respective ADEM drinking water PSVs. The methylene chloride concentration in monitoring well OMS-28-1 exceeded the ADEM drinking water PSV. The TCE concentration in monitoring well OMS-28-3 exceeded the ADEM drinking water PSV. The tetrachloroethene concentration and TCE concentration in monitoring well OMS-28-5 exceeded their respective ADEM drinking water PSVs. No other chemical of concern exceed an ADEM drinking water

PSV or EPA RSL for drinking water in any of the groundwater samples collected during this investigation.

Only one type III deep well, OMS-28-1, exhibited any chemical of concern concentration that exceeded any ADEM PSV. The methylene chloride concentration in OMS-28-1 exceeded the ADEM drinking water PSV for methylene chloride. However, the duplicate sample collected from OMS-28-1 did not.

## 7.0 RECOMENDATIONS

Aerostar Environmental Services, Inc. makes the following recommendations in connection with the Supplemental Comprehensive Investigation:

- Based on the findings, it is recommended that no additional soil borings or groundwater monitoring wells be installed at the OMS-28 site or in the immediate vicinity of the OMS-28 site;
- Conduct three groundwater sampling events to collect information needed to complete an ARBCA assessment of the OMS-28 site;
- Complete an ARBCA assessment of the OMS-28 site to determine further actions

## **TABLES**

**TABLE 2**  
**Liquid Level Summary**

Organizational Maintenance Shop 28  
Brookley Air Force Base  
Mobile, Mobile County  
Contract No. W91278-06-D-0066  
Task Order 0015

| Well ID  | Depth of Well (ft-BTOC) | Screened Interval (ft-BTOC) | Top of Casing Elevation (ft-AMSL) | Date     | Depth to Product (ft-BTOC) | Depth to Water (ft-BTOC) | Groundwater Elevation (ft-AMSL) |
|----------|-------------------------|-----------------------------|-----------------------------------|----------|----------------------------|--------------------------|---------------------------------|
| MW-5     | 12.6                    | 3.3-13.3                    | 28.14                             | 10/13/05 | NA                         | 5.10                     | 23.04                           |
|          |                         |                             |                                   | 04/18/06 | NA                         | 6.60                     | 21.54                           |
|          |                         |                             |                                   | 10/18/06 | NA                         | 6.60                     | 21.54                           |
|          |                         |                             |                                   | 11/22/06 | NA                         | 6.31                     | 21.83                           |
|          |                         |                             |                                   | 07/01/08 | NA                         | 6.47                     | 21.67                           |
|          |                         |                             |                                   | 07/08/08 | --                         | --                       | --                              |
|          |                         |                             |                                   | 08/25/08 | NA                         | 3.35                     | 24.79                           |
| MW-6     | 12.7                    | 2.3-12.3                    | 28.15                             | 10/13/05 | NA                         | 5.22                     | 22.93                           |
|          |                         |                             |                                   | 04/18/06 | NA                         | 6.76                     | 21.39                           |
|          |                         |                             |                                   | 10/18/06 | NA                         | 6.70                     | 21.45                           |
|          |                         |                             |                                   | 11/22/06 | NA                         | 6.33                     | 21.82                           |
|          |                         |                             |                                   | 07/01/08 | NA                         | 5.84                     | 22.31                           |
|          |                         |                             |                                   | 07/08/08 | --                         | --                       | --                              |
|          |                         |                             |                                   | 08/25/08 | Inaccessible               |                          |                                 |
| MW-8     | 15.2                    | 4.8-14.8                    | 28.24                             | 10/13/05 | NA                         | 5.84                     | 22.40                           |
|          |                         |                             |                                   | 04/18/06 | NA                         | 7.20                     | 21.04                           |
|          |                         |                             |                                   | 10/18/06 | NA                         | 6.80                     | 21.44                           |
|          |                         |                             |                                   | 11/22/06 | NA                         | 6.58                     | 21.66                           |
|          |                         |                             |                                   | 07/01/08 | NA                         | 6.20                     | 22.04                           |
|          |                         |                             |                                   | 07/08/08 | --                         | --                       | --                              |
|          |                         |                             |                                   | 08/25/08 | NA                         | 3.35                     | 24.89                           |
| MW-9     | 17.4                    | 7.38-17.38                  | 27.45                             | 11/22/06 | NA                         | 6.86                     | 20.59                           |
|          |                         |                             |                                   | 07/01/08 | NA                         | 7.40                     | 20.05                           |
|          |                         |                             |                                   | 07/08/08 | --                         | --                       | --                              |
|          |                         |                             |                                   | 08/25/08 | NA                         | 3.41                     | 24.04                           |
| MW-12    | 15.6                    | 5.57-15.57                  | 25.94                             | 11/22/06 | NA                         | 5.90                     | 20.04                           |
|          |                         |                             |                                   | 07/01/08 | NA                         | 6.20                     | 19.74                           |
|          |                         |                             |                                   | 07/08/08 | --                         | --                       | --                              |
|          |                         |                             |                                   | 08/25/08 | NA                         | 3.88                     | 22.06                           |
| OMS-28-1 | 80.0                    | 70-80                       | 26.26                             | 07/01/08 | NA                         | 22.86                    | 3.40                            |
|          |                         |                             |                                   | 07/08/08 | NA                         | 22.90                    | 3.36                            |
|          |                         |                             |                                   | 08/25/08 | NA                         | 22.45                    | 3.81                            |
| OMS-28-2 | 20.0                    | 10-20                       | 30.88                             | 07/01/08 | NA                         | 12.91                    | 17.97                           |
|          |                         |                             |                                   | 07/08/08 | --                         | --                       | --                              |
|          |                         |                             |                                   | 08/25/08 | NA                         | 8.31                     | 22.57                           |

**TABLE 2**  
**Liquid Level Summary**

Organizational Maintenance Shop 28  
Brookley Air Force Base  
Mobile, Mobile County  
Contract No. W91278-06-D-0066  
Task Order 0015

| Well ID  | Depth of Well (ft-BTOC) | Screened Interval (ft-BTOC) | Top of Casing Elevation (ft-AMSL) | Date     | Depth to Product (ft-BTOC) | Depth to Water (ft-BTOC) | Groundwater Elevation (ft-AMSL) |
|----------|-------------------------|-----------------------------|-----------------------------------|----------|----------------------------|--------------------------|---------------------------------|
| OMS-28-3 | 20.0                    | 10-20                       | 30.70                             | 07/01/08 | NA                         | 9.05                     | 21.65                           |
|          |                         |                             |                                   | 07/08/08 | --                         | --                       | --                              |
|          |                         |                             |                                   | 07/08/08 | NA                         | 7.78                     | 22.92                           |
| OMS-28-4 | 76.0                    | 66-76                       | 27.99                             | 07/01/08 | --                         | --                       | --                              |
|          |                         |                             |                                   | 07/08/08 | NA                         | 26.85                    | 1.14                            |
|          |                         |                             |                                   | 08/25/08 | NA                         | 28.89                    | -0.90                           |
| OMS-28-5 | 20.0                    | 10-20                       | 30.12                             | 07/01/08 | NA                         | 11.90                    | 18.22                           |
|          |                         |                             |                                   | 07/08/08 | --                         | --                       | --                              |
|          |                         |                             |                                   | 08/25/08 | NA                         | 8.79                     | 21.33                           |
| OMS-28-6 | 76.0                    | 66-76                       | 30.31                             | 07/01/08 | --                         | --                       | --                              |
|          |                         |                             |                                   | 07/08/08 | NA                         | 26.70                    | 3.61                            |
|          |                         |                             |                                   | 08/25/08 | NA                         | 25.51                    | 4.80                            |
| OMS-28-7 | 20.0                    | 10-20                       | 27.56                             | 07/01/08 | NA                         | 9.21                     | 18.35                           |
|          |                         |                             |                                   | 07/08/08 | --                         | --                       | --                              |
|          |                         |                             |                                   | 08/25/08 | NA                         | 5.82                     | 21.74                           |

Notes: All measurements in feet  
TOC = top of casing  
ft-BTOC = feet below top of casing  
ft-AMSL = feet above mean sea level

**Table 4**  
**OMS-28**  
**Soil Sample Analytical Results**  
**U. S. Army Corps of Engineers – Mobile District**  
**Contract No. W91278-06-D-0066**  
**Task Order 0045**

| ARBCA PRELIMINARY SCREENING VALUES (PSVs) |            |       |                    |                     | SAMPLE LOCATIONS |                 |               |               |                 |               |                 |               |              |               |               |               |
|---|------------|-------|--------------------|---------------------|------------------|-----------------|---------------|---------------|-----------------|---------------|-----------------|---------------|--------------|---------------|---------------|---------------|
| Chemical of Concern                       | CAS Number | Units | Residential Soil   | Commercial Soil     | OMS-28-1         | OMS-28-1        | OMS-28-1      | OMS-28-1      | OMS-28-2        | OMS-28-2      | OMS-28-2        | OMS-28-3      | OMS-28-3     | OMS-28-3      | OMS-28-4      | OMS-28-4      |
|   |            |       |                    |                     | (0-5)            | (5-10)          | (10-15)       | (65-70)       | (0-5)           | (5-10)        | (15-20)         | (0-5)         | (5-10)       | (10-15)       | (0-5)         | (5-10)        |
|   |            |       |                    |                     | 06/06/08         | 06/06/08        | 06/06/08      | 06/06/08      | 03/27/08        | 03/27/08      | 03/27/08        | 03/26/08      | 03/26/08     | 03/26/08      | 03/27/08      | 03/27/08      |
| 1,1,1-Trichloroethane                     | 71-55-6    | mg/Kg | 1200               | 1200                | 0.000128U        | 0.000165U       | 0.000230U     | 0.000202U     | 0.000213U       | 0.000263U     | 0.000223U       | 0.000162U     | 0.000272U    | 0.000238U     | 0.000164U     | 0.000182U     |
| 1,1,2,2-Tetrachloroethane                 | 79-34-5    | mg/Kg | 0.41               | 0.93                | 0.000187U        | 0.000241U       | 0.000337U     | 0.000296U     | 0.000312U       | 0.000384U     | 0.000326U       | 0.000237U     | 0.000398U    | 0.000348U     | 0.000240U     | 0.000267U     |
| 1,1,2-Trichloroethane                     | 79-00-5    | mg/Kg | 0.73               | 1.6                 | 0.000118U        | 0.000153U       | 0.000213U     | 0.000187U     | 0.000197U       | 0.000243U     | 0.000207U       | 0.000150U     | 0.000252U    | 0.000220U     | 0.000152U     | 0.000169U     |
| 1,1-Dichloroethane                        | 75-34-3    | mg/Kg | 51                 | 170                 | 0.000165U        | 0.000213U       | 0.000296U     | 0.000261U     | 0.000275U       | 0.000339U     | 0.000288U       | 0.000210U     | 0.000351U    | 0.000307U     | 0.000212U     | 0.000236U     |
| 1,1-Dichloroethene                        | 75-35-4    | mg/Kg | 12                 | 41                  | 0.000372U        | 0.000481U       | 0.000672U     | 0.000590U     | 0.000622U       | 0.000766U     | 0.000651U       | 0.000473U     | 0.000793U    | 0.000694U     | 0.000478U     | 0.000533U     |
| 1,2,4-Trichlorobenzene                    | 120-82-1   | mg/Kg | 6.2                | 22                  | 0.000339U        | 0.000439U       | 0.000612U     | 0.000538U     | 0.000566U       | 0.000698U     | 0.000593U       | 0.000431U     | 0.000723U    | 0.000632U     | 0.000435U     | 0.000485U     |
| 1,2-Dibromo-3-chloropropane               | 96-12-8    | mg/Kg | 0.46               | 2                   | 0.000898U        | 0.00116U        | 0.00162U      | 0.00142U      | 0.00150U        | 0.00185U      | 0.00157U        | 0.00114U      | 0.00191U     | 0.00167U      | 0.00115U      | 0.00128U      |
| 1,2-Dibromoethane (Ethylene Dibromide)    | 106-93-4   | mg/Kg | 0.032              | 0.073               | 0.000156U        | 0.000201U       | 0.000281U     | 0.000247U     | 0.000260U       | 0.000320U     | 0.000272U       | 0.000198U     | 0.000332U    | 0.000290U     | 0.000200U     | 0.000223U     |
| 1,2-Dichlorobenzene                       | 95-50-1    | mg/Kg | 600                | 600                 | 0.000118U        | 0.000153U       | 0.000213U     | 0.000187U     | 0.000197U       | 0.000243U     | 0.000207U       | 0.000150U     | 0.000252U    | 0.000220U     | 0.000152U     | 0.000169U     |
| 1,2-Dichloroethane (EDC)                  | 107-06-2   | mg/Kg | 0.28               | 0.60                | 0.000118U        | 0.000153U       | 0.000213U     | 0.000187U     | 0.000197U       | 0.000243U     | 0.000207U       | 0.000150U     | 0.000252U    | 0.000220U     | 0.000152U     | 0.000169U     |
| 1,2-Dichloropropane                       | 78-87-5    | mg/Kg | 0.34               | 0.74                | 0.000116U        | 0.000150U       | 0.000210U     | 0.000184U     | 0.000194U       | 0.000239U     | 0.000203U       | 0.000148U     | 0.000248U    | 0.000217U     | 0.000149U     | 0.000166U     |
| 1,3-Dichlorobenzene                       | 541-73-1   | mg/Kg | 53                 | 600                 | 0.000245U        | 0.000316U       | 0.000442U     | 0.000388U     | 0.000409U       | 0.000504U     | 0.000428U       | 0.000311U     | 0.000522U    | 0.000456U     | 0.000314U     | 0.000350U     |
| 1,4-Dichlorobenzene                       | 106-46-7   | mg/Kg | 3.4                | 7.9                 | 0.000437U        | 0.000565U       | 0.000788U     | 0.000692U     | 0.000729U       | 0.000899U     | 0.000763U       | 0.000555U     | 0.000930U    | 0.000814U     | 0.000560U     | 0.000625U     |
| 2-Butanone                                | 78-93-3    | mg/Kg | 2200               | 11000               | <b>0.00485J</b>  | <b>0.016</b>    | 0.000584U     | 0.000513U     | 0.000540U       | 0.000666U     | 0.000566U       | 0.000411U     | 0.000690U    | 0.000603U     | 0.000415U     | 0.000463U     |
| 2-Hexanone (Methyl n-Butyl ketone)        | 591-78-6   | mg/Kg | NE                 | NE                  | 0.000857U        | 0.00111U        | 0.00155U      | 0.00136U      | 0.00143U        | 0.00176U      | 0.00150U        | 0.00109U      | 0.00183U     | 0.00160U      | 0.00110U      | 0.00123U      |
| 4-Methyl-2-pentanone (Hexone)             | 108-10-1   | mg/Kg | 530                | 4700                | 0.000179U        | 0.000232U       | 0.000324U     | 0.000284U     | 0.000300U       | 0.000369U     | 0.000314U       | 0.000228U     | 0.000382U    | 0.000335U     | 0.000230U     | 0.000257U     |
| Acetone                                   | 67-64-1    | mg/Kg | 1400               | 5400                | <b>0.031</b>     | <b>0.103</b>    | <b>0.030J</b> | <b>0.011J</b> | <b>0.013J</b>   | <b>0.021J</b> | <b>0.00616J</b> | <b>0.013J</b> | <b>0.094</b> | <b>0.062</b>  | <b>0.025J</b> | <b>0.012J</b> |
| Benzene                                   | 71-43-2    | mg/Kg | 0.64               | 1.4                 | 0.000108U        | 0.000139U       | 0.000195U     | 0.000171U     | 0.000180U       | 0.000222U     | 0.000189U       | 0.000137U     | 0.000230U    | 0.000201U     | 0.000138U     | 0.00154U      |
| Bromodichloromethane                      | 75-27-4    | mg/Kg | 0.82               | 1.8                 | 0.000140U        | 0.000181U       | 0.000253U     | 0.000222U     | 0.000234U       | 0.000288U     | 0.000245U       | 0.000178U     | 0.000298U    | 0.000261U     | 0.000180U     | 0.000200U     |
| Bromoform                                 | 75-25-2    | mg/Kg | 62                 | 220                 | 0.000175U        | 0.000227U       | 0.000316U     | 0.000278U     | 0.000293U       | 0.000361U     | 0.000306U       | 0.000223U     | 0.000374U    | 0.000327U     | 0.000225U     | 0.000251U     |
| Bromomethane                              | 74-83-9    | mg/Kg | 0.39               | 1.3                 | 0.00156U         | 0.00202U        | 0.00282U      | 0.00247U      | 0.00261U        | 0.00321U      | 0.00273U        | 0.00198U      | 0.00333U     | 0.00291U      | 0.00200U      | 0.00223U      |
| Carbon Disulfide                          | 75-15-0    | mg/Kg | 36                 | 720                 | 0.000113U        | 0.000146U       | 0.000204U     | 0.000179U     | 0.000189U       | 0.000233U     | 0.000198U       | 0.000144U     | <b>0.012</b> | <b>0.033</b>  | 0.000145U     | 0.000162U     |
| Carbon Tetrachloride                      | 56-23-5    | mg/Kg | 0.25               | 0.55                | 0.000124U        | 0.000161U       | 0.000225U     | 0.000197U     | 0.000208U       | 0.000256U     | 0.000218U       | 0.000158U     | 0.000265U    | 0.000232U     | 0.000160U     | 0.000178U     |
| Chlorobenzene                             | 108-90-7   | mg/Kg | 15                 | 53                  | 0.000171U        | 0.000221U       | 0.000309U     | 0.000271U     | 0.000286U       | 0.000352U     | 0.000299U       | 0.000217U     | 0.000365U    | 0.000319U     | 0.000220U     | 0.000245U     |
| Chloroethane                              | 75-00-3    | mg/Kg | 3                  | 6.5                 | 0.000628U        | 0.000813U       | 0.00113U      | 0.000996U     | 0.00105U        | 0.00129U      | 0.00110U        | 0.000799U     | 0.00134U     | 0.00117U      | 0.000807U     | 0.000899U     |
| Chloroform                                | 67-66-3    | mg/Kg | 0.22               | 0.47                | 0.000146U        | <b>0.00395J</b> | 0.000264U     | 0.000232U     | 0.000244U       | 0.000301U     | 0.000256U       | 0.000186U     | 0.000312U    | 0.000273U     | 0.000188U     | 0.000209U     |
| Chloromethane (Methyl chloride)           | 74-87-3    | mg/Kg | 47                 | 160                 | 0.000481U        | 0.000622U       | 0.000869U     | 0.000763U     | 0.000803U       | 0.000990U     | 0.000841U       | 0.000611U     | 0.00103U     | 0.000897U     | 0.000618U     | 0.000688U     |
| <i>Cyclohexane</i>                        | 110-82-7   | mg/Kg | 140 <sup>a</sup>   | 30,000 <sup>a</sup> | 0.00115U         | 0.00148U        | 0.00207U      | 0.00182U      | 0.00192U        | 0.00236U      | 0.00201U        | 0.00146U      | 0.00244U     | 0.00214U      | 0.00147U      | 0.00164U      |
| Dibromochloromethane                      | 124-48-1   | mg/Kg | 1.1                | 2.6                 | 0.000933U        | 0.00121U        | 0.00168U      | 0.00148U      | 0.00156U        | 0.00192U      | 0.00163U        | 0.000119U     | 0.000199U    | 0.000174U     | 0.000120U     | 0.000134U     |
| Dichlorodifluoromethane                   | 75-71-8    | mg/Kg | 9.4                | 31                  | 0.000378U        | 0.000488U       | 0.000681U     | 0.000598U     | 0.000630U       | 0.000777U     | 0.000660U       | 0.000480U     | 0.000804U    | 0.000704U     | 0.000485U     | 0.000540U     |
| <i>cis-1,3-Dichloropropene</i>            | 10061-01-5 | mg/Kg | NE                 | NE                  | 0.000119U        | 0.000154U       | 0.000215U     | 0.000189U     | 0.000199U       | 0.000245U     | 0.000209U       | 0.000152U     | 0.000254U    | 0.000222U     | 0.000153U     | 0.000171U     |
| <i>trans-1,3-Dichloropropene</i>          | 10061-02-6 | mg/Kg | NE                 | NE                  | 0.000146U        | 0.000189U       | 0.000264U     | 0.000232U     | 0.000244U       | 0.000301U     | 0.000256U       | 0.000186U     | 0.000312U    | 0.000273U     | 0.000188U     | 0.000209U     |
| Ethylbenzene                              | 100-41-4   | mg/Kg | 400                | 400                 | 0.000215U        | 0.000278U       | 0.000388U     | 0.000340U     | 0.000358U       | 0.000442U     | 0.000375U       | 0.000273U     | 0.000457U    | 0.000400U     | 0.000276U     | 0.000307U     |
| Isopropylbenzene (Cumene)                 | 98-82-8    | mg/Kg | 57                 | 200                 | 0.000159U        | 0.000205U       | 0.000286U     | 0.000252U     | <b>0.000265</b> | 0.000327U     | 0.000277U       | 0.000202U     | 0.000338U    | 0.000296U     | 0.000204U     | 0.000227U     |
| <i>Methyl Acetate</i>                     | 79-20-9    | mg/Kg | 22000 <sup>a</sup> | NE                  | 0.00159U         | 0.00205U        | 0.00286U      | 0.00251U      | 0.00265U        | 0.00326U      | 0.00277U        | 0.00201U      | 0.00338U     | 0.00296U      | 0.00204U      | 0.00227U      |
| <i>Methylcyclohexane</i>                  | 108-87-2   | mg/Kg | 2600 <sup>a</sup>  | 14000 <sup>a</sup>  | 0.000384U        | 0.000496U       | 0.000693U     | 0.000608U     | 0.000641U       | 0.000790U     | <b>0.000671</b> | 0.000488U     | 0.000818U    | 0.000715U     | 0.000493U     | 0.000549U     |
| Methylene Chloride (Dichloromethane)      | 75-09-2    | mg/Kg | 9.1                | 21                  | 0.000497U        | 0.000642U       | 0.000897U     | 0.000788U     | 0.000829U       | 0.00102U      | 0.000869U       | 0.000631U     | 0.00106U     | 0.000926U     | 0.000638U     | 0.000711U     |
| Naphthalene                               | 91-20-3    | mg/Kg | 5.6                | 19                  | 0.000390U        | 0.000504U       | 0.000704U     | 0.000618U     | 0.000651U       | 0.0008052U    | 0.000682U       | <b>0.017</b>  | 0.000831U    | 0.000727U     | 0.000501U     | 0.000558U     |
| Styrene                                   | 100-42-5   | mg/Kg | 1700               | 1700                | 0.000158U        | 0.000204U       | 0.000285U     | 0.000250U     | 0.000263U       | 0.000324U     | 0.000276U       | 0.000200U     | 0.000336U    | 0.000294U     | 0.000202U     | 0.000226U     |
| Tetrachloroethene (PCE)                   | 127-18-4   | mg/Kg | 0.48               | 1.3                 | 0.000199U        | 0.000257U       | 0.000359U     | 0.000316U     | 0.000332U       | 0.000410U     | 0.000348U       | 0.000253U     | 0.000424U    | 0.000371U     | 0.000256U     | 0.000285U     |
| Toluene                                   | 108-88-3   | mg/Kg | 520                | 520                 | 0.000570U        | 0.000738U       | 0.00103U      | 0.000904U     | 0.000952U       | 0.00117U      | 0.000997U       | 0.000725U     | 0.00122U     | 0.00106U      | 0.000732U     | 0.000816U     |
| Trichloroethene (TCE)                     | 79-01-6    | mg/Kg | 0.053              | 0.11                | 0.000184U        | 0.000237U       | 0.000331U     | 0.000291U     | 0.000306U       | 0.000378U     | 0.000321U       | 0.000233U     | 0.000391U    | <b>0.211J</b> | 0.000236U     | 0.000263U     |
| Trichlorofluoromethane                    | 75-69-4    | mg/Kg | 39                 | 200                 | 0.000261U        | 0.000338U       | 0.000472U     | 0.000414U     | 0.000436U       | 0.000538U     | 0.000457U       | 0.000332U     | 0.000557U    | 0.000487U     | 0.000335U     | 0.000374U     |
| <i>Trichlorotrifluoroethane</i>           | 76-13-1    | mg/Kg | 43000 <sup>a</sup> | 180000 <sup>a</sup> | 0.000195U        | 0.000252U       | 0.000352U     | 0.000309U     | 0.000326U       | 0.000401U     | 0.000341U       | 0.000248U     | 0.000415U    | 0.000364U     | 0.000250U     | 0.000279U     |
| Vinyl Chloride (child/adult & adult)      | 75-01-4    | mg/Kg | 0.079              | 0.75                | 0.000364U        | 0.000471U       | 0.000657U     | 0.000577U     | 0.000608U       | 0.000749U     | 0.000636U       | 0.000463U     | 0.000776U    | 0.000679U     | 0.000467U     | 0.000521U     |
| Xylenes (Total)                           | 1330-20-7  | mg/Kg | 27                 | 420                 | 0.000593U        | 0.000767U       | 0.00107U      | 0.000940U     | 0.000990U       | 0.00122U      | 0.00104U        | 0.000754U     | 0.00126U     | 0.00111U      | 0.000761U     | 0.000849U     |
| <i>cis-1,2-Dichloroethene</i>             | 156-59-2   | mg/Mk | 4.3                | 15                  | 0.000131U        | 0.000169U       | 0.000236U     | 0.000207U     | 0.000218U       | 0.000269U     | 0.000228U       | 0.000166U     | 0.000278U    | 0.000912J     | 0.000168U     | 0.000187U     |
| tert-Butyl methyl ether (MTBE)            | 1634-04-4  | mg/Kg | 32                 | 70                  | 0.0000767U       | 0.0000992U      | 0.000139U     | 0.000122U     | 0.000128U       | 0.000158U     | 0.000134U       | 0.0000975U    | 0.000164U    | 0.000143U     | 0.0000985U    | 0.000110U     |
| <i>trans-1,2-Dichloroethene</i>           | 156-60-5   | mg/Kg | 6.9                | 23                  | 0.000170U        | 0.000220U       | 0.000307U     | 0.000270U     | 0.000284U       | 0.000350U     | 0.000297U       | 0.000216U     | 0.000362U    | 0.000317U     | 0.000218U     | 0.000243U     |

**Footnotes**

- ARBCA Preliminary Screening Values (PSVs) for Residential/Commercial Soil, June 2007.
- Italicized contaminant – no ARBCA PSV available.
- <sup>a</sup> – EPA Regional Screening Level for Chemical Contaminants at Superfund Sites, May 2008
- Bold font indicates a detected concentration
- Bold, italicized, and underlined font indicates that a concentration exceeds an ARBCA PSV or EPA Regional Screening Level for soil.
- mg/kg – milligrams per kilogram
- J – flag indicates an estimated value.
- U- indicates that the compound was analyzed for but not detected
- NE indicates that neither an ARBCA Preliminary Screening Goal or a Region 3 RBC has been established for this compound.

**Table 4**  
**OMS-28**  
**Soil Sample Analytical Results**  
**U. S. Army Corps of Engineers – Mobile District**  
**Contract No. W91278-06-D-0066**  
**Task Order 0045**

| ARBCA PRELIMINARY SCREENING VALUES (PSVs) |            |       |                    |                     | SAMPLE LOCATIONS    |                     |                   |                    |                     |                   |                    |                     |                     |                   |                    |                     |                                 |                                 |
|---|------------|-------|--------------------|---------------------|---------------------|---------------------|-------------------|--------------------|---------------------|-------------------|--------------------|---------------------|---------------------|-------------------|--------------------|---------------------|---------------------------------|---------------------------------|
| Chemical of Concern                       | CAS Number | Units | Residential Soil   | Commercial Soil     | OMS-28-4            | OMS-28-4            | OMS-28-5          | OMS-28-5           | OMS-28-5            | OMS-28-6          | OMS-28-6           | OMS-28-6            | OMS-28-6            | OMS-28-7          | OMS-28-7           | OMS-28-7            | DUP 1                           | DUP 2                           |
|   |            |       |                    |                     | (10-15)<br>03/27/08 | (70-75)<br>03/27/08 | (0-5)<br>03/27/08 | (5-10)<br>03/27/08 | (15-20)<br>03/27/08 | (0-5)<br>03/28/08 | (5-10)<br>03/28/08 | (10-15)<br>03/28/08 | (70-75)<br>03/28/08 | (0-5)<br>03/26/08 | (5-10)<br>03/26/08 | (15-20)<br>03/26/08 | [OMS-28-2<br>(0-5)<br>03/27/08] | [OMS-28-5<br>(0-5)<br>03/27/08] |
| 1,1,1-Trichloroethane                     | 71-55-6    | mg/Kg | 1200               | 1200                | 0.000232U           | 0.000152U           | 0.000230U         | 0.000215U          | 0.000217U           | 0.000180U         | 0.000142U          | 0.000167U           | 0.000126U           | 0.000175U         | 0.000199U          | 0.000177U           | 0.000178U                       | 0.000193U                       |
| 1,1,2,2-Tetrachloroethane                 | 79-34-5    | mg/Kg | 0.41               | 0.93                | 0.000340U           | 0.000222U           | 0.000337U         | 0.000315U          | 0.000318U           | 0.000263U         | 0.000208U          | 0.000245U           | 0.000184U           | 0.000256U         | 0.000291U          | 0.000260U           | 0.000260U                       | 0.000283U                       |
| 1,1,2-Trichloroethane                     | 79-00-5    | mg/Kg | 0.73               | 1.6                 | 0.000215U           | 0.000141U           | 0.000213U         | 0.000199U          | 0.000201U           | 0.000167U         | 0.000132U          | 0.000155U           | 0.000117U           | 0.000162U         | 0.000184U          | 0.000164U           | 0.000165U                       | 0.000179U                       |
| 1,1-Dichloroethane                        | 75-34-3    | mg/Kg | 51                 | 170                 | 0.000301U           | 0.000196U           | 0.000297U         | 0.000278U          | 0.000281U           | 0.000233U         | 0.000183U          | 0.000217U           | 0.000163U           | 0.000226U         | 0.000257U          | 0.000229U           | 0.000230U                       | 0.000250U                       |
| 1,1-Dichloroethene                        | 75-35-4    | mg/Kg | 12                 | 41                  | 0.000679U           | 0.000443U           | 0.000671U         | 0.000628U          | 0.000634U           | 0.000525U         | 0.000414U          | 0.000489U           | 0.000367U           | 0.000510U         | 0.000580U          | 0.000518U           | 0.000519U                       | 0.000265U                       |
| 1,2,4-Trichlorobenzene                    | 120-82-1   | mg/Kg | 6.2                | 22                  | 0.000618U           | 0.000403U           | 0.000612U         | 0.000572U          | 0.000578U           | 0.000479U         | 0.000377U          | 0.000445U           | 0.000334U           | 0.000465U         | 0.000529U          | 0.000472U           | 0.000473U                       | 0.000514U                       |
| 1,2-Dibromo-3-chloropropane               | 96-12-8    | mg/Kg | 0.46               | 2                   | 0.00164U            | 0.00107U            | 0.00162U          | 0.00152U           | 0.00153U            | 0.00127U          | 0.000999U          | 0.00118U            | 0.000885U           | 0.00123U          | 0.00140U           | 0.00125U            | 0.00125U                        | 0.00136U                        |
| 1,2-Dibromoethane (Ethylene Dibromide)    | 106-93-4   | mg/Kg | 0.032              | 0.073               | 0.000284U           | 0.000185U           | 0.000281U         | 0.000262U          | 0.000265U           | 0.000220U         | 0.000173U          | 0.000204U           | 0.000153U           | 0.000213U         | 0.000243U          | 0.000216U           | 0.000217U                       | 0.000236U                       |
| 1,2-Dichlorobenzene                       | 95-50-1    | mg/Kg | 600                | 600                 | 0.000215U           | 0.000141U           | 0.000213U         | 0.000199U          | 0.000201U           | 0.000167U         | 0.000132U          | 0.000155U           | 0.000117U           | 0.000162U         | 0.000184U          | 0.000164U           | 0.000165U                       | 0.000179U                       |
| 1,2-Dichloroethane (EDC)                  | 107-06-2   | mg/Kg | 0.28               | 0.60                | 0.000215U           | 0.000141U           | 0.000213U         | 0.000199U          | 0.000201U           | 0.000167U         | 0.000132U          | 0.000155U           | 0.000117U           | 0.000162U         | 0.000184U          | 0.000164U           | 0.000165U                       | 0.000179U                       |
| 1,2-Dichloropropane                       | 78-87-5    | mg/Kg | 0.34               | 0.74                | 0.000212U           | 0.000138U           | 0.000209U         | 0.000196U          | 0.000198U           | 0.000164U         | 0.000129U          | 0.000153U           | 0.000115U           | 0.000159U         | 0.000181U          | 0.000162U           | 0.000162U                       | 0.000176U                       |
| 1,3-Dichlorobenzene                       | 541-73-1   | mg/Kg | 53                 | 600                 | 0.000446U           | 0.000291U           | 0.000441U         | 0.000413U          | 0.000417U           | 0.000345U         | 0.000272U          | 0.000321U           | 0.000241U           | 0.000336U         | 0.000382U          | 0.000340U           | 0.000341U                       | 0.000371U                       |
| 1,4-Dichlorobenzene                       | 106-46-7   | mg/Kg | 3.4                | 7.9                 | 0.000796U           | 0.000519U           | 0.000787U         | 0.000737U          | 0.000744U           | 0.000616U         | 0.000486U          | 0.000573U           | 0.000430U           | 0.000599U         | 0.000681U          | 0.000607U           | 0.000609U                       | 0.000662U                       |
| 2-Butanone                                | 78-93-3    | mg/Kg | 2200               | 11000               | 0.000590U           | 0.000385U           | 0.000584U         | 0.000546U          | 0.000551U           | 0.000457U         | 0.000360U          | 0.000425U           | 0.000319U           | 0.000444U         | 0.000504U          | 0.000450U           | 0.000451U                       | 0.000491U                       |
| 2-Hexanone (Methyl n-Butyl ketone)        | 591-78-6   | mg/Kg | NE                 | NE                  | 0.00156U            | 0.00102U            | 0.00154U          | 0.00145U           | 0.00146U            | 0.00121U          | 0.000953U          | 0.00112U            | 0.000845U           | 0.00117U          | 0.00134U           | 0.00119U            | 0.00119U                        | 0.00130U                        |
| 4-Methyl-2-pentanone (Hexone)             | 108-10-1   | mg/Kg | 530                | 4700                | 0.000327U           | 0.000213U           | 0.000324U         | 0.000303U          | 0.000306U           | 0.000253U         | 0.000200U          | 0.000236U           | 0.000177U           | 0.000246U         | 0.000280U          | 0.000250U           | 0.000250U                       | 0.000272U                       |
| Acetone                                   | 67-64-1    | mg/Kg | 1400               | 5400                | <b>0.028J</b>       | <b>0.010J</b>       | <b>0.013J</b>     | <b>0.015J</b>      | <b>0.031J</b>       | <b>0.00625J</b>   | <b>0.000431U</b>   | <b>0.037</b>        | <b>0.00505J</b>     | <b>0.029J</b>     | <b>0.012J</b>      | <b>0.00722J</b>     | <b>0.00932J</b>                 | <b>0.012J</b>                   |
| Benzene                                   | 71-43-2    | mg/Kg | 0.64               | 1.4                 | 0.000197U           | 0.000128U           | 0.000195U         | 0.000182U          | 0.000184U           | 0.000152U         | 0.000120U          | 0.000142U           | 0.000106U           | 0.000148U         | 0.000150U          | 0.000150U           | 0.000150U                       | 0.000164U                       |
| Bromodichloromethane                      | 75-27-4    | mg/Kg | 0.82               | 1.8                 | 0.000255U           | 0.000166U           | 0.000252U         | 0.000236U          | 0.000238U           | 0.000198U         | 0.000156U          | 0.000184U           | 0.000138U           | 0.000192U         | 0.000218U          | 0.000195U           | 0.000195U                       | 0.000212U                       |
| Bromoform                                 | 75-25-2    | mg/Kg | 62                 | 220                 | 0.000319U           | 0.000208U           | 0.000316U         | 0.000296U          | 0.000298U           | 0.000247U         | 0.000195U          | 0.000230U           | 0.000173U           | 0.000240U         | 0.000273U          | 0.000244U           | 0.000244U                       | 0.000266U                       |
| Bromomethane                              | 74-83-9    | mg/Kg | 0.39               | 1.3                 | 0.00284U            | 0.00186U            | 0.00281U          | 0.00263U           | 0.00266U            | 0.00220U          | 0.00174U           | 0.00205U            | 0.000154U           | 0.00214U          | 0.00243U           | 0.00217U            | 0.00218U                        | 0.00237U                        |
| Carbon Disulfide                          | 75-15-0    | mg/Kg | 36                 | 720                 | 0.000206U           | 0.000134U           | 0.000204U         | 0.000191U          | 0.000193U           | 0.000160U         | 0.000126U          | <b>0.00342J</b>     | 0.000111U           | 0.000155U         | 0.000176U          | 0.000157U           | 0.000158U                       | 0.000171U                       |
| Carbon Tetrachloride                      | 56-23-5    | mg/Kg | 0.25               | 0.55                | 0.000227U           | 0.000148U           | 0.000224U         | 0.000210U          | 0.000212U           | 0.000178U         | 0.000138U          | 0.000163U           | 0.000123U           | 0.000171U         | 0.000194U          | 0.000173U           | 0.000174U                       | 0.000189U                       |
| Chlorobenzene                             | 108-90-7   | mg/Kg | 15                 | 53                  | 0.000312U           | 0.000203U           | 0.000309U         | 0.000289U          | 0.000291U           | 0.000241U         | 0.000190U          | 0.000225U           | 0.000169U           | 0.000235U         | 0.000267U          | 0.000238U           | 0.000239U                       | 0.000260U                       |
| Chloroethane                              | 75-00-3    | mg/Kg | 3                  | 6.5                 | 0.00115U            | 0.000747U           | 0.00113U          | 0.00106U           | 0.00107U            | 0.000887U         | 0.000699U          | 0.000825U           | 0.000620U           | 0.000862U         | 0.000980U          | 0.000874U           | 0.000877U                       | 0.000953U                       |
| Chloroform                                | 67-66-3    | mg/Kg | 0.22               | 0.47                | 0.000267U           | 0.000174U           | 0.000264U         | 0.000247U          | 0.000249U           | 0.000206U         | 0.000163U          | 0.000192U           | 0.000144U           | 0.000201U         | 0.000228U          | 0.000203U           | 0.000204U                       | 0.000222U                       |
| Chloromethane (Methyl chloride)           | 74-87-3    | mg/Kg | 47                 | 160                 | 0.000877U           | 0.000572U           | 0.000868U         | 0.000812U          | 0.000820U           | 0.000679U         | 0.000535U          | 0.000632U           | 0.000474U           | 0.000660U         | 0.000750U          | 0.000669U           | 0.000671U                       | 0.000730U                       |
| Cyclohexane                               | 110-82-7   | mg/Kg | 140 <sup>a</sup>   | 30,000 <sup>a</sup> | 0.00209U            | 0.00136U            | 0.00207U          | 0.00193U           | 0.00195U            | 0.00162U          | 0.00128U           | 0.00151U            | 0.001130U           | 0.00157U          | 0.00179U           | 0.00160U            | 0.00160U                        | 0.00174U                        |
| Dibromochloromethane                      | 124-48-1   | mg/Kg | 1.1                | 2.6                 | 0.000170U           | 0.000111U           | 0.000168U         | 0.000157U          | 0.000159U           | 0.000132U         | 0.000104U          | 0.000123U           | 0.0000920U          | 0.000128U         | 0.000146U          | 0.000130U           | 0.000130U                       | 0.000142U                       |
| Dichlorodifluoromethane                   | 75-71-8    | mg/Kg | 9.4                | 31                  | 0.000688U           | 0.000449U           | 0.000681U         | 0.000637U          | 0.000643U           | 0.000533U         | 0.000420U          | 0.000496U           | 0.000372U           | 0.000518U         | 0.000589U          | 0.000525U           | 0.000527U                       | 0.000573U                       |
| cis-1,3-Dichloropropene                   | 10061-01-5 | mg/Kg | NE                 | NE                  | 0.000217U           | 0.000142U           | 0.000215U         | 0.000201U          | 0.000203U           | 0.000168U         | 0.000133U          | 0.000157U           | 0.000118U           | 0.000164U         | 0.000166U          | 0.000166U           | 0.000166U                       | 0.000181U                       |
| trans-1,3-Dichloropropene                 | 10061-02-6 | mg/Kg | NE                 | NE                  | 0.000267U           | 0.000174U           | 0.000264U         | 0.000247U          | 0.000249U           | 0.000206U         | 0.000163U          | 0.000192U           | 0.000144U           | 0.000201U         | 0.000228U          | 0.000203U           | 0.000204U                       | 0.000222U                       |
| Ethylbenzene                              | 100-41-4   | mg/Kg | 400                | 400                 | 0.000391U           | 0.000255U           | 0.000387U         | 0.000362U          | 0.000366U           | 0.000303U         | 0.000239U          | 0.000282U           | 0.000212U           | 0.000294U         | 0.000335U          | 0.000299U           | 0.000299U                       | 0.000326U                       |
| Isopropylbenzene (Cumene)                 | 98-82-8    | mg/Kg | 57                 | 200                 | 0.000289U           | 0.000189U           | 0.000286U         | 0.000268U          | 0.000270U           | 0.000224U         | 0.000177U          | 0.000208U           | 0.000156U           | 0.000218U         | 0.000247U          | 0.000221U           | 0.000221U                       | 0.000241U                       |
| Methyl Acetate                            | 79-20-9    | mg/Kg | 22000 <sup>a</sup> | NE                  | 0.00289U            | 0.00189U            | 0.00286U          | 0.00268U           | 0.00270U            | 0.00224U          | 0.00176U           | <b>0.022</b>        | 0.00156U            | 0.00217U          | 0.00247U           | 0.00221U            | 0.00221U                        | 0.00240U                        |
| Methylcyclohexane                         | 108-87-2   | mg/Kg | 2600 <sup>a</sup>  | 14000 <sup>a</sup>  | 0.000699U           | 0.000456U           | 0.000692U         | 0.000647U          | 0.000654U           | 0.000541U         | 0.000427U          | 0.000504U           | 0.000378U           | 0.000526U         | 0.000598U          | 0.000534U           | 0.000535U                       | 0.000582U                       |
| Methylene Chloride (Dichloromethane)      | 75-09-2    | mg/Kg | 9.1                | 21                  | 0.000905U           | 0.000591U           | 0.000896U         | 0.000838U          | 0.000846U           | 0.000701U         | 0.000553U          | 0.000652U           | 0.000490U           | 0.000681U         | 0.000775U          | 0.000691U           | 0.000693U                       | 0.000753U                       |
| Naphthalene                               | 91-20-3    | mg/Kg | 5.6                | 19                  | 0.000711U           | 0.000464U           | 0.000703U         | 0.000658U          | 0.000664U           | 0.000550U         | 0.000434U          | 0.000512U           | 0.000384U           | 0.000535U         | 0.000608U          | 0.000542U           | 0.000544U                       | 0.000591U                       |
| Styrene                                   | 100-42-5   | mg/Kg | 1700               | 1700                | 0.000287U           | 0.000187U           | 0.000284U         | 0.000266U          | 0.000268U           | 0.000222U         | 0.000175U          | 0.000207U           | 0.000155U           | 0.000216U         | 0.000246U          | 0.000219U           | 0.000220U                       | 0.000239U                       |
| Tetrachloroethene (PCE)                   | 127-18-4   | mg/Kg | 0.48               | 1.3                 | 0.000363U           | 0.000237U           | 0.000359U         | 0.000336U          | 0.000339U           | 0.000281U         | 0.000222U          | 0.000261U           | 0.000196U           | 0.000273U         | 0.000310U          | 0.000277U           | 0.000278U                       | 0.000302U                       |
| Toluene                                   | 108-88-3   | mg/Kg | 520                | 520                 | 0.00104U            | 0.000678U           | 0.00103U          | 0.000962U          | 0.000971U           | 0.000805U         | 0.000635U          | 0.000749U           | 0.000562U           | 0.000782U         | 0.000889U          | 0.000794U           | 0.000796U                       | 0.000865U                       |
| Trichloroethene (TCE)                     | 79-01-6    | mg/Kg | 0.053              | 0.11                | <b>0.027</b>        | 0.000218U           | 0.000331U         | 0.000310U          | <b>0.00783J</b>     | 0.000259U         | <b>0.076</b>       | <b>0.107J</b>       | 0.000181U           | 0.000252U         | 0.000286U          | 0.000255U           | 0.000256U                       | 0.000278U                       |
| Trichlorofluoromethane                    | 75-69-4    | mg/Kg | 39                 | 200                 | 0.000476U           | 0.000311U           | 0.000471U         | 0.000441U          | 0.000445U           | 0.000369U         | <b>0.000291</b>    | 0.000343U           | 0.000258U           | 0.000358U         | 0.000407U          | 0.000364U           | 0.000365U                       | 0.000396U                       |
| Trichlorotrifluoroethane                  | 76-13-1    | mg/Kg | 43000 <sup>a</sup> | 180000 <sup>a</sup> | 0.000355U           | 0.000232U           | 0.000352U         | 0.000329U          | 0.000332U           | 0.000275U         | 0.000217U          | 0.000256U           | 0.000192U           | 0.000267U         | 0.000304U          | 0.000271U           | 0.000272U                       | 0.000296U                       |
| Vinyl Chloride (child/adult & adult)      | 75-01-4    | mg/Kg | 0.079              | 0.75                | 0.000663U           | 0.000433U           | 0.000656U         | 0.000614U          | 0.000620U           | 0.000514U         | 0.000405U          | 0.000478U           | 0.000359U           | 0.000499U         | 0.000568U          | 0.000506U           | 0.000508U                       | 0.000552U                       |
| Xylenes (Total)                           | 1330-20-7  | mg/Kg | 27                 | 420                 | 0.00108U            | 0.000705U           | 0.00107U          | 0.00100U           | 0.00101U            | 0.000837U         | 0.000660U          | 0.000779U           | 0.000585U           | 0.000813U         | 0.000925U          | 0.000825U           | 0.000827U                       | 0.000900U                       |
| cis-1,2-Dichloroethene                    | 156-59-2   | mg/Mk | 4.3                | 15                  | <b>0.00546J</b>     | 0.000155U           | 0.000236U         |                    |                     |                   |                    |                     |                     |                   |                    |                     |                                 |                                 |

**Table 4**  
**OMS-28**  
**Soil Sample Analytical Results**  
**U. S. Army Corps of Engineers – Mobile District**  
**Contract No. W91278-06-D-0066**  
**Task Order 0015**

| ARBCA PRELIMINARY SCREENING VALUES (PSVs) |            |       |                    |                     |  |                        |                        |                        |                 |                        |
|---|------------|-------|--------------------|---------------------|--|------------------------|------------------------|------------------------|-----------------|------------------------|
| Chemical of Concern                       | CAS Number | Units | Residential Soil   | Commercial Soil     | DUP 3<br>[OMS-28-4<br>(0-5)<br>03/27/08] | RINSATE #1<br>03/28/08 | RINSATE #2<br>03/28/08 | RINSATE #3<br>03/28/08 | IDW<br>03/28/08 | IDW (TCLP)<br>03/28/08 |
| 1,1,1-Trichloroethane                     | 71-55-6    | mg/Kg | 1200               | 1200                | 0.000220U                                | 0.000155U              | 0.000155U              | 0.000155U              | 0.000320U       | N/A                    |
| 1,1,2,2-Tetrachloroethane                 | 79-34-5    | mg/Kg | 0.41               | 0.93                | 0.000323U                                | 0.000156U              | 0.000156U              | 0.000156U              | 0.000469U       | N/A                    |
| 1,1,2-Trichloroethane                     | 79-00-5    | mg/Kg | 0.73               | 1.6                 | 0.000204U                                | 0.0000677U             | 0.000077U              | 0.0000677U             | 0.000297U       | N/A                    |
| 1,1-Dichloroethane                        | 75-34-3    | mg/Kg | 51                 | 170                 | 0.000285U                                | 0.000125U              | 0.000125U              | 0.000125U              | 0.000414U       | N/A                    |
| 1,1-Dichloroethene                        | 75-35-4    | mg/Kg | 12                 | 41                  | 0.000643U                                | 0.000266U              | 0.000226U              | 0.000226U              | 0.000935U       | 0.00916U               |
| 1,2,4-Trichlorobenzene                    | 120-82-1   | mg/Kg | 6.2                | 22                  | 0.000586U                                | 0.000412U              | 0.000413U              | 0.000413U              | 0.000852U       | N/A                    |
| 1,2-Dibromo-3-chloropropane               | 96-12-8    | mg/Kg | 0.46               | 2                   | 0.00155U                                 | 0.000181U              | 0.000181U              | 0.000181U              | 0.00226U        | N/A                    |
| 1,2-Dibromoethane (Ethylene Dibromide)    | 106-93-4   | mg/Kg | 0.032              | 0.073               | 0.000269U                                | 0.000101U              | 0.000101U              | 0.000101U              | 0.000391U       | N/A                    |
| 1,2-Dichlorobenzene                       | 95-50-1    | mg/Kg | 600                | 600                 | 0.000204U                                | 0.000112U              | 0.000112U              | 0.000112U              | 0.000297U       | N/A                    |
| 1,2-Dichloroethane (EDC)                  | 107-06-2   | mg/Kg | 0.28               | 0.60                | 0.000204U                                | 0.000184U              | 0.000184U              | 0.000184U              | 0.000297U       | 0.00820U               |
| 1,2-Dichloropropane                       | 78-87-5    | mg/Kg | 0.34               | 0.74                | 0.000201U                                | 0.0000997U             | 0.0000997U             | 0.0000997U             | 0.000292U       | N/A                    |
| 1,3-Dichlorobenzene                       | 541-73-1   | mg/Kg | 53                 | 600                 | 0.000423U                                | 0.000134U              | 0.000134U              | 0.000134U              | 0.000615U       | N/A                    |
| 1,4-Dichlorobenzene                       | 106-46-7   | mg/Kg | 3.4                | 7.9                 | 0.000754U                                | 0.000162U              | 0.000162U              | 0.000162U              | 0.00110U        | N/A                    |
| 2-Butanone                                | 78-93-3    | mg/Kg | 2200               | 11000               | 0.000559U                                | 0.000361U              | 0.000361U              | 0.000361U              | 0.000813U       | 0.017U                 |
| 2-Hexanone (Methyl n-Butyl ketone)        | 591-78-6   | mg/Kg | NE                 | NE                  | 0.00148U                                 | 0.000151U              | 0.000151U              | 0.000151U              | 0.00215U        | N/A                    |
| 4-Methyl-2-pentanone (Hexone)             | 108-10-1   | mg/Kg | 530                | 4700                | 0.000310U                                | 0.0000882U             | 0.0000882U             | 0.0000882U             | 0.000451U       | N/A                    |
| Acetone                                   | 67-64-1    | mg/Kg | 1400               | 5400                | <b>0.00404J</b>                          | 0.000690U              | 0.000690U              | 0.000690U              | <b>0.040J</b>   | N/A                    |
| Benzene                                   | 71-43-2    | mg/Kg | 0.64               | 1.4                 | 0.000186U                                | 0.000184U              | 0.000184U              | 0.000184U              | 0.000271U       | <b>0.055J</b>          |
| Bromodichloromethane                      | 75-27-4    | mg/Kg | 0.82               | 1.8                 | 0.000242U                                | 0.0000796U             | 0.0000796U             | 0.0000796U             | 0.000352U       | N/A                    |
| Bromoform                                 | 75-25-2    | mg/Kg | 62                 | 220                 | 0.000303U                                | 0.0000655U             | 0.0000655U             | 0.0000655U             | 0.000440U       | N/A                    |
| Bromomethane                              | 74-83-9    | mg/Kg | 0.39               | 1.3                 | 0.00270U                                 | 0.000252U              | 0.000252U              | 0.000252U              | 0.00392U        | N/A                    |
| Carbon Disulfide                          | 75-15-0    | mg/Kg | 36                 | 720                 | 0.000195U                                | 0.0000997U             | 0.0000997U             | 0.0000997U             | 0.000284U       | N/A                    |
| Carbon Tetrachloride                      | 56-23-5    | mg/Kg | 0.25               | 0.55                | 0.000215U                                | 0.000124U              | 0.000124U              | 0.000124U              | 0.000313U       | 0.00512U               |
| Chlorobenzene                             | 108-90-7   | mg/Kg | 15                 | 53                  | 0.000296U                                | 0.0000510U             | 0.0000510U             | 0.0000510U             | 0.000430U       | 0.00852U               |
| Chloroethane                              | 75-00-3    | mg/Kg | 3                  | 6.5                 | 0.00109U                                 | 0.0000607U             | 0.0000607U             | 0.0000607U             | 0.00158U        | N/A                    |
| Chloroform                                | 67-66-3    | mg/Kg | 0.22               | 0.47                | 0.000253U                                | 0.0000629U             | 0.0000629U             | 0.0000629U             | 0.000367U       | 0.00776U               |
| Chloromethane (Methyl chloride)           | 74-87-3    | mg/Kg | 47                 | 160                 | 0.000832U                                | 0.000244U              | 0.000244U              | 0.000244U              | 0.00121U        | N/A                    |
| <i>Cyclohexane</i>                        | 110-82-7   | mg/Kg | 140 <sup>a</sup>   | 30,000 <sup>a</sup> | 0.00198U                                 | 0.000101U              | 0.000101U              | 0.000101U              | 0.00288U        | N/A                    |
| Dibromochloromethane                      | 124-48-1   | mg/Kg | 1.1                | 2.6                 | 0.000161U                                | 0.0000504U             | 0.0000504U             | 0.0000504U             | 0.000234U       | N/A                    |
| Dichlorodifluoromethane                   | 75-71-8    | mg/Kg | 9.4                | 31                  | 0.000652U                                | 0.000168U              | 0.000168U              | 0.000168U              | 0.0009487U      | N/A                    |
| <i>cis-1,3-Dichloropropene</i>            | 10061-01-5 | mg/Kg | NE                 | NE                  | 0.000206U                                | 0.0000648U             | 0.0000648U             | 0.0000648U             | 0.000299U       | N/A                    |
| <i>trans-1,3-Dichloropropene</i>          | 10061-02-6 | mg/Kg | NE                 | NE                  | 0.000253U                                | 0.000101U              | 0.000101U              | 0.000101U              | 0.000367U       | N/A                    |
| Ethylbenzene                              | 100-41-4   | mg/Kg | 400                | 400                 | 0.000371U                                | 0.0000773U             | 0.0000773U             | 0.0000773U             | 0.000539U       | N/A                    |
| Isopropylbenzene (Cumene)                 | 98-82-8    | mg/Kg | 57                 | 200                 | 0.000274U                                | 0.0000500U             | 0.0000500U             | 0.0000500U             | 0.000398U       | N/A                    |
| <i>Methyl Acetate</i>                     | 79-20-9    | mg/Kg | 22000 <sup>a</sup> | NE                  | 0.00274U                                 | 0.000431U              | 0.000431U              | 0.000431U              | 0.00398U        | N/A                    |
| <i>Methylcyclohexane</i>                  | 108-87-2   | mg/Kg | 2600 <sup>a</sup>  | 14000 <sup>a</sup>  | 0.000663U                                | 0.000201U              | 0.000201U              | 0.000201U              | 0.000964U       | N/A                    |
| Methylene Chloride (Dichloromethane)      | 75-09-2    | mg/Kg | 9.1                | 21                  | 0.000858U                                | 0.000202U              | 0.000240J              | <b>0.000243J</b>       | 0.00125U        | N/A                    |
| Naphthalene                               | 91-20-3    | mg/Kg | 5.6                | 19                  | 0.000674U                                | 0.369U                 | 0.369U                 | 0.369U                 | 0.000979U       | NA                     |
| Styrene                                   | 100-42-5   | mg/Kg | 1700               | 1700                | 0.000272U                                | 0.0000500U             | 0.0000500U             | 0.0000500U             | 0.000396U       | N/A                    |
| Tetrachloroethene (PCE)                   | 127-18-4   | mg/Kg | 0.48               | 1.3                 | 0.000344U                                | 0.0000805U             | 0.0000805U             | 0.0000805U             | 0.000500U       | 0.00908U               |
| Toluene                                   | 108-88-3   | mg/Kg | 520                | 520                 | 0.000986U                                | 0.0000932U             | 0.0000932U             | 0.0000932U             | 0.00143U        | N/A                    |
| Trichloroethene (TCE)                     | 79-01-6    | mg/Kg | 0.053              | 0.11                | 0.000317U                                | 0.000123U              | 0.000123U              | 0.000123U              | 0.000461U       | 0.011U                 |
| Trichlorofluoromethane                    | 75-69-4    | mg/Kg | 39                 | 200                 | 0.000452U                                | 0.000141U              | 0.000141U              | 0.000141U              | 0.000656U       | N/A                    |
| <i>Trichlorotrifluoroethane</i>           | 76-13-1    | mg/Kg | 43000 <sup>a</sup> | 180000 <sup>a</sup> | 0.000337U                                | 0.000168U              | 0.000168U              | 0.000168U              | 0.000490U       | N/A                    |
| Vinyl Chloride (child/adult & adult)      | 75-01-4    | mg/Kg | 0.079              | 0.75                | 0.000629U                                | 0.000163U              | 0.000163U              | 0.000163U              | 0.000914U       | 0.00356U               |
| Xylenes (Total)                           | 1330-20-7  | mg/Kg | 27                 | 420                 | 0.00103U                                 | 0.000535U              | 0.000535U              | 0.000535U              | 0.00149U        | N/A                    |
| <i>cis-1,2-Dichloroethene</i>             | 156-59-2   | mg/Mk | 4.3                | 15                  | 0.000226U                                | 0.000154U              | 0.000154U              | 0.000154U              | 0.000328U       | N/A                    |
| <i>tert-Butyl methyl ether (MTBE)</i>     | 1634-04-4  | mg/Kg | 32                 | 70                  | 0.000133U                                | 0.000110U              | 0.000110U              | 0.000110U              | 0.000193U       | N/A                    |
| <i>trans-1,2-Dichloroethene</i>           | 156-60-5   | mg/Kg | 6.9                | 23                  | 0.000294U                                | 0.000113U              | <b>0.000113</b>        | 0.000113U              | 0.000427U       | N/A                    |

**Footnotes**

- ARBCA Preliminary Screening Values (PSVs) for Residential/Commercial Soil, June 2007.
- Italicized contaminant – no ARBCA PSV available.
- <sup>a</sup> – EPA Regional Screening Level for Chemical Contaminants at Superfund Sites, May 2008
- Bold font indicates a detected concentration
- Bold, italicized, and underlined font indicates that a concentration exceeds an ARBCA PSV or EPA Regional Screening Level
- mg/kg – milligrams per kilogram
- J – flag indicates an estimated value.
- U- indicates that the compound was analyzed for but not detected
- NE indicates that neither an ARBCA Preliminary Screening Goal or a Region 3 RBC has been established for this compound.

TABLE 5  
Groundwater Sample Results  
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| ARBCA PRELIMINARY SCREENING VALUES (PSVs)        |               |       |                   | Sample Location |                  |                 |                 |                 |                         |                 |                  |                         |                 |                         |                 |
|--|---------------|-------|-------------------|-----------------|------------------|-----------------|-----------------|-----------------|-------------------------|-----------------|------------------|-------------------------|-----------------|-------------------------|-----------------|
| CONTAMINANT<br>Volatile Organic Compounds (VOCs) | CAS<br>Number | Units | Tap<br>Water      | MW-5            | MW-6             | MW-8            | MW-9            | MW-12           | OMS-28-1<br>(Deep Well) | OMS-28-2        | OMS-28-3         | OMS-28-4<br>(Deep Well) | OMS-28-5        | OMS-28-6<br>(Deep Well) | OMS-28-7        |
|  |               |       |                   | 07/01/08        | 07/01/08         | 07/01/08        | 07/01/08        | 07/01/08        | 07/08/08                | 07/01/08        | 07/01/08         | 07/08/08                | 07/01/08        | 07/08/08                | 07/01/08        |
| 1,1,1-Trichloroethane                            | 71-55-6       | mg/L  | 0.02              | 0.0000683U      | 0.0000683U       | 0.0000683U      | 0.0000683U      | 0.0000683U      | 0.0000683U              | 0.0000683U      | 0.0000683U       | 0.0000683U              | 0.0000683U      | 0.0000683U              | 0.0000683U      |
| 1,1,2,2-Tetrachloroethane                        | 79-34-5       | mg/L  | 0.000055          | 0.000148U       | 0.000148U        | 0.000148U       | 0.000148U       | 0.000148U       | 0.000148U               | 0.000148U       | 0.000148U        | 0.000148U               | 0.000148U       | 0.000148U               | 0.000148U       |
| 1,1,2-Trichloroethane                            | 79-00-5       | mg/L  | 0.005             | 0.000146U       | 0.000146U        | 0.000146U       | 0.000146U       | 0.000146U       | 0.000146U               | 0.000146U       | 0.000146U        | 0.000146U               | 0.000146U       | 0.000146U               | 0.000146U       |
| 1,1-Dichloroethane                               | 75-34-3       | mg/L  | 0.081             | 0.0000801U      | 0.0000801U       | 0.0000601U      | 0.0000801U      | 0.0000801U      | 0.0000801U              | 0.0000801U      | 0.0000801U       | 0.0000801U              | 0.0000801U      | 0.0000801U              | 0.0000801U      |
| 1,1-Dichloroethene                               | 75-35-4       | mg/L  | 0.007             | 0.0000961U      | 0.0000961U       | 0.0000961U      | 0.0000961U      | 0.0000961U      | 0.0000961U              | 0.0000961U      | 0.0000961U       | 0.0000961U              | 0.0000961U      | 0.0000961U              | 0.0000961U      |
| 1,2,4-Trichlorobenzene                           | 120-82-1      | mg/L  | 0.07              | 0.000223U       | 0.000223U        | 0.000223U       | 0.000223U       | 0.000223U       | 0.000223U               | 0.000223U       | 0.000223U        | 0.000223U               | 0.000223U       | 0.000223U               | 0.000223U       |
| 1,2-Dibromo-3-chloropropane                      | 96-12-8       | mg/L  | 0.0002            | 0.000356U       | 0.000356U        | 0.000356U       | 0.000356U       | 0.000356U       | 0.000356U               | 0.000356U       | 0.000356U        | 0.000356U               | 0.000356U       | 0.000356U               | 0.000356U       |
| 1,2-Dibromoethane                                | 106-93-4      | mg/L  | 0.00005           | 0.000158U       | 0.000158U        | 0.000158U       | 0.000158U       | 0.000158U       | 0.000158U               | 0.000158U       | 0.000158U        | 0.000158U               | 0.000158U       | 0.000158U               | 0.000158U       |
| 1,2-Dichlorobenzene                              | 95-50-1       | mg/L  | 0.60              | 0.000109U       | 0.000109U        | 0.000109U       | 0.000109U       | 0.000109U       | 0.000109U               | 0.000109U       | 0.000109U        | 0.000109U               | 0.000109U       | 0.000109U               | 0.000109U       |
| 1,2-Dichloroethane                               | 107-06-2      | mg/L  | 0.01              | 0.0000663U      | <b>0.000548J</b> | 0.0000663U      | 0.0000663U      | 0.0000663U      | 0.0000663U              | 0.0000663U      | 0.0000663U       | 0.0000663U              | 0.0000663U      | 0.0000663U              | 0.0000663U      |
| 1,2-Dichloropropane                              | 78-87-5       | mg/L  | 0.01              | 0.0000555U      | 0.0000555U       | 0.0000555U      | 0.0000555U      | 0.0000555U      | 0.0000555U              | 0.0000555U      | 0.0000555U       | 0.0000555U              | 0.0000555U      | 0.0000555U              | 0.0000555U      |
| 1,3-Dichlorobenzene                              | 541-73-1      | mg/L  | 0.018             | 0.0000861U      | 0.0000661U       | 0.0000861U      | 0.0000861U      | 0.0000861U      | 0.0000861U              | 0.0000861U      | 0.0000861U       | 0.0000861U              | 0.0000861U      | 0.0000861U              | 0.0000861U      |
| 1,4-Dichlorobenzene                              | 106-46-7      | mg/L  | 0.075             | 0.0000961U      | 0.0000961U       | 0.0000961U      | 0.0000961U      | 0.0000961U      | 0.0000961U              | 0.0000961U      | 0.0000961U       | 0.0000961U              | 0.0000961U      | 0.0000961U              | 0.0000961U      |
| 2-Butanone (MEK)                                 | 78-93-3       | mg/L  | 0.70              | 0.000487U       | 0.000487U        | 0.000487U       | 0.000487U       | 0.000487U       | 0.000487U               | 0.000487U       | 0.000487U        | 0.000487U               | 0.000487U       | 0.000487U               | 0.000487U       |
| 2-Hexanone                                       | 591-78-6      | mg/L  | NE                | 0.000308U       | 0.000308U        | 0.000308U       | 0.000308U       | 0.000308U       | 0.000308U               | 0.000308U       | 0.000308U        | 0.000308U               | 0.000308U       | 0.000308U               | 0.000308U       |
| 4-Methyl-2-pentanone (Hexone)                    | 108-10-1      | mg/L  | 0.20              | 0.000113U       | 0.000113U        | 0.000113U       | 0.000113U       | 0.000113U       | 0.000113U               | 0.000113U       | 0.000113U        | 0.000113U               | 0.0100113U      | 0.000113U               | 0.000113U       |
| Acetone  | 67-64-1       | mg/L  | 0.55              | <b>0.00780J</b> | <b>0.00317J</b>  | <b>0.011J</b>   | <b>0.00472J</b> | <b>0.00363J</b> | <b>0.00905J</b>         | <b>0.00338J</b> | <b>0.00218J</b>  | <b>0.00207J</b>         | <b>0.00355J</b> | <b>0.00305J</b>         | <b>0.00487J</b> |
| Benzene  | 71-43-2       | mg/L  | 0.005             | 0.0000624U      | <b>0.016</b>     | 0.0000624U      | 0.0000624U      | 0.0000624U      | 0.0000624U              | 0.0000624U      | 0.0000624U       | 0.0000624U              | 0.0000624U      | 0.0000624U              | 0.0000624U      |
| Bromodichloromethane                             | 75-27-4       | mg/L  | 0.08              | 0.0000875U      | 0.0000875U       | 0.0000875U      | 0.0000875U      | 0.0000875U      | 0.0000875U              | 0.0000875U      | 0.0000875U       | 0.0000875U              | 0.0000875U      | 0.0000875U              | 0.0000875U      |
| Bromoform  | 75-25-2       | mg/L  | 0.08              | 0.0000947U      | 0.0000947U       | 0.0000947U      | 0.0000947U      | 0.0000947U      | 0.0000947U              | 0.0000947U      | 0.0000947U       | 0.0000947U              | 0.0000947U      | 0.0000947U              | 0.0000947U      |
| Bromomethane (Methyl bromide)                    | 74-83-9       | mg/L  | 0.00087           | 0.000252U       | 0.000252U        | 0.000252U       | 0.000252U       | 0.000252U       | 0.000252U               | 0.000252U       | 0.000252U        | 0.000252U               | 0.000252U       | 0.000252U               | 0.000252U       |
| Carbon disulfide                                 | 75-15-0       | mg/L  | 0.10              | 0.000184U       | 0.000184U        | 0.000184U       | 0.000184U       | 0.000184U       | 0.000184U               | 0.000184U       | 0.000184U        | 0.000184U               | 0.000184U       | 0.000184U               | 0.000184U       |
| Carbon Tetrachloride                             | 56-23-5       | mg/L  | 0.01              | 0.0000825U      | 0.0000825U       | 0.0000825U      | 0.0000825U      | 0.0000825U      | 0.0000825U              | 0.0000825U      | 0.0000825U       | 0.0000825U              | 0.0000825U      | 0.0000825U              | 0.0000825U      |
| Chlorobenzene                                    | 108-90-7      | mg/L  | 0.10              | 0.0000631U      | 0.0000631U       | 0.0000631U      | 0.0000631U      | 0.0000631U      | 0.0000631U              | 0.0000631U      | 0.0000631U       | 0.0000631U              | 0.0000631U      | 0.0000631U              | 0.0000631U      |
| Chloroethane                                     | 75-00-3       | mg/L  | 0.0046            | 0.0000618U      | 0.0000618U       | 0.0000618U      | 0.0000618U      | 0.0000618U      | 0.0000618U              | 0.0000618U      | 0.0000618U       | 0.0000618U              | 0.0000618U      | 0.0000618U              | 0.0000618U      |
| Chloroform                                       | 67-66-3       | mg/L  | 0.08              | 0.0000426U      | 0.0000426U       | 0.0000426U      | 0.0000426U      | 0.0000426U      | <b>0.044</b>            | 0.0000426U      | <b>0.000252J</b> | <b>0.000219J</b>        | 0.0000426U      | 0.0000426U              | 0.0000426U      |
| Chloromethane (Methyl chloride)                  | 74-87-3       | mg/L  | 0.0016            | 0.000249U       | 0.000249U        | <b>0.00210J</b> | 0.000249U       | 0.000249U       | <b>0.00151J</b>         | <b>0.00111J</b> | <b>0.000835J</b> | 0.000249U               | 0.000249U       | 0.000249U               | 0.000249U       |
| Cyclohexane                                      | 110-82-7      | mg/L  | 1000 <sup>a</sup> | 0.0000722U      | <b>0.00418J</b>  | 0.0000722U      | 0.0000722U      | 0.0000722U      | 0.0000722U              | 0.0000722U      | 0.0000722U       | 0.0000722U              | 0.0000722U      | 0.0000722U              | 0.0000722U      |
| Dibromochloromethane                             | 124-48-1      | mg/L  | 0.08              | 0.0000637U      | 0.0000637U       | 0.0000637U      | 0.0000637U      | 0.0000637U      | 0.0000637U              | 0.0000637U      | 0.0000637U       | 0.0000637U              | 0.0000637U      | 0.0000637U              | 0.0000637U      |
| Dibromodifloromethane                            | 75-71-8       | mg/L  | 0.039             | 0.0000680U      | 0.0000680U       | 0.0000680U      | 0.0000680U      | 0.0000680U      | 0.0000680U              | 0.0000680U      | 0.0000680U       | 0.0000680U              | 0.0000680U      | 0.0000680U              | 0.0000680U      |
| cis-1,3-Dichloropropene                          | 542-75-6      | mg/L  | 0.0004            | 0.0000746U      | 0.0000746U       | 0.0000746U      | 0.0000746U      | 0.0000746U      | 0.0000746U              | 0.0000746U      | 0.0000746U       | 0.0000746U              | 0.0000746U      | 0.0000746U              | 0.0000746U      |
| trans-1,3-Dichloropropene                        | 542-75-6      | mg/L  | 0.0004            | 0.0000702U      | 0.0000702U       | 0.0000702U      | 0.0000702U      | 0.0000702U      | 0.0000702U              | 0.0000702U      | 0.0000702U       | 0.0000702U              | 0.0000702U      | 0.0000702U              | 0.0000702U      |
| Ethylbenzene                                     | 100-41-4      | mg/L  | 0.70              | 0.0000924U      | 0.0000924U       | 0.0000924U      | 0.0000924U      | 0.0000924U      | 0.0000924U              | 0.0000924U      | 0.0000924U       | 0.0000924U              | 0.0000924U      | 0.0000924U              | 0.0000924U      |
| Isopropylbenzene (Cumene)                        | 98-82-8       | mg/L  | 0.66              | 0.0000569U      | 0.000533         | 0.0000569U      | 0.0000569U      | 0.0000569U      | 0.0000569U              | 0.0000569U      | 0.0000569U       | 0.0000569U              | 0.0000569U      | 0.0000569U              | 0.0000569U      |
| Methyl acetate                                   | 79-20-9       | mg/L  | 6100 <sup>a</sup> | 0.000375U       | 0.000375U        | 0.000375U       | 0.000375U       | 0.000375U       | 0.000375U               | 0.000375U       | 0.000375U        | 0.000375U               | 0.000375U       | 0.000375U               | 0.000375U       |
| Methylcyclohexane                                | 108-87-2      | mg/L  | 2600 <sup>a</sup> | 0.0000921U      | <b>0.00299J</b>  | 0.0000921U      | 0.0000921U      | 0.0000921U      | 0.0000921U              | 0.0000921U      | 0.0000921U       | 0.0000921U              | 0.0000921U      | 0.0000921U              | 0.0000921U      |
| Methylene Chloride                               | 75-09-2       | mg/L  | 0.005             | 0.0000765U      | 0.0000765U       | 0.0000765U      | 0.0000765U      | 0.0000765U      | <b>0.00905J</b>         | 0.0000765U      | 0.0000765U       | 0.0000765U              | 0.0000765U      | 0.0000765U              | 0.0000765U      |
| Naphthalene                                      | 91-20-3       | mg/L  | 0.00062           | <b>0.00464J</b> | <b>0.028</b>     | 0.000245U       | 0.000245U       | 0.000245U       | 0.000245U               | 0.000245U       | 0.000245U        | 0.000245U               | 0.000245U       | 0.000245U               | 0.000245U       |
| Styrene  | 100-42-5      | mg/L  | 0.1               | 0.0000821U      | 0.0000821U       | 0.0000821U      | 0.0000821U      | 0.0000821U      | 0.0000821U              | 0.0000821U      | 0.0000821U       | 0.0000821U              | 0.0000821U      | 0.0000821U              | 0.0000821U      |
| Tetrachloroethene (PCE)                          | 127-18-4      | mg/L  | 0.005             | 0.000200U       | 0.000200U        | 0.000200U       | 0.000200U       | 0.000200U       | 0.000200U               | 0.000200U       | 0.000200U        | 0.000200U               | <b>0.13</b>     | 0.000200U               | 0.000200U       |
| Toluene  | 108-88-3      | mg/L  | 1.00              | 0.0000675U      | 0.0000675U       | 0.0000675U      | 0.0000675U      | 0.0000675U      | 0.0000675U              | 0.0000675U      | 0.0000675U       | 0.0000675U              | 0.0000675U      | 0.0000675U              | 0.0000675U      |
| Trichloroethene (TCE)                            | 79-01-6       | mg/L  | 0.005             | 0.000164U       | 0.000164U        | <b>0.133</b>    | 0.000164U       | 0.000164U       | 0.000164U               | 0.000164U       | <b>0.08</b>      | 0.000164U               | <b>0.039</b>    | 0.000164U               | <b>0.00173J</b> |
| Trichlorofluoromethane                           | 75-69-4       | mg/L  | 0.13              | 0.0000638U      | 0.0000638U       | 0.0000638U      | 0.0000638U      | 0.0000638U      | 0.0000638U              | 0.0000638U      | 0.0000638U       | 0.0000638U              | 0.0000638U      | 0.0000638U              | 0.0000638U      |
| Trichlorotrifluoroethane                         | 76-13-1       | mg/L  | NE                | 0.000168U       | 0.000168U        | 0.000168U       | 0.000168U       | 0.000168U       | 0.000168U               | 0.000168U       | 0.000168U        | 0.000168U               | 0.000168U       | 0.000168U               | 0.000168U       |
| Vinyl chloride (child/adult)                     | 75-01-4       | mg/L  | 0.002             | 0.0000538U      | 0.0000538U       | 0.0000538U      | 0.0000538U      | 0.0000538U      | 0.0000538U              | 0.0000538U      | 0.0000538U       | 0.0000538U              | 0.0000538U      | 0.0000538U              | 0.0000538U      |
| Xylenes (total)                                  | 1330-20-7     | mg/L  | 10                | 0.000194U       | <b>0.00701J</b>  | 0.000194U       | 0.000194U       | 0.000194U       | 0.000194U               | 0.000194U       | 0.000194U        | 0.000194U               | 0.000194U       | 0.000194U               | 0.000194U       |
| (cis)-1,2-Dichloroethene                         | 156-59-2      | mg/L  | 0.07              | 0.0000745U      | 0.0000745U       | <b>0.00397J</b> | 0.0000745U      | 0.0000745U      | 0.0000745U              | 0.0000745U      | <b>0.00626</b>   | 0.0000745U              | <b>0.012</b>    | 0.0000745U              | 0.0000745U      |
| Methyl tert-butyl ether (MTBE)                   | 1634-04-4     | mg/L  | 0.011             | 0.0000756U      | 0.0000756U       | 0.0000756U      | 0.0000756U      | 0.0000756U      | 0.0000756U              | 0.0000756U      | 0.0000756U       | 0.0000756U              | 0.0000756U      | 0.0000756U              | 0.0000756U      |
| (trans)-1,2-Dichloroethene                       | 156-60-5      | mg/L  | 0.10              | 0.0000573U      | 0.0000573U       | 0.0000573U      | 0.0000573U      | 0.0000573U      | 0.0000573U              | 0.0000573U      | 0.0000573U       | 0.0000573U              | <b>0.005</b>    | 0.0000573U              | 0.0000573U      |

**Footnotes**

- ARBCA Preliminary Screening Values (PSVs) for Groundwater/Tap Water, June 2007
- Italicized contaminant – no ARBCA PSV available.
- <sup>a</sup> – EPA Regional Screening Level for Chemical Contaminants at Superfund Sites, May 2008
- Bold font indicates a detected concentration
- Bold, italicized, and underlined font indicates that a concentration exceeds an ARBCA PSV or EPA Regional Screening Level for tap water.
- mg/L – milligrams per liter.
- ND – non-detect; analyte concentration is below the laboratory detection limit.
- J – flag indicates an estimated value.
- U - flag indicates the compound was analyzed for but was not detected
- NE = Not established

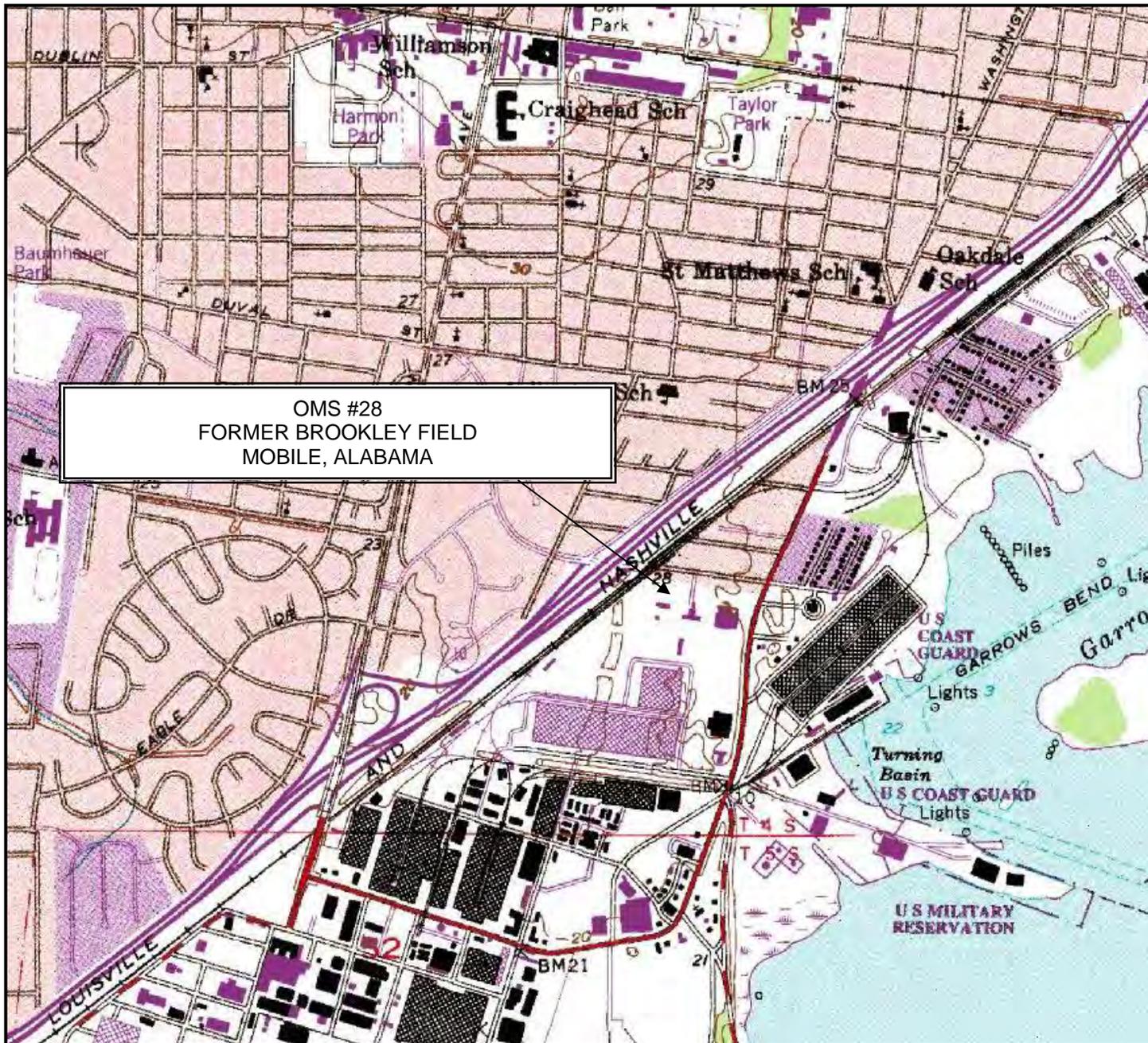
TABLE 5  
Groundwater Sample Results  
OMS 28

| ARBCA PRELIMINARY SCREENING VALUES (PSVs)        |               |       |                   | Sample Location  |                  |                  |                 |                     |                  |                  |
|--|---------------|-------|-------------------|------------------|------------------|------------------|-----------------|---------------------|------------------|------------------|
| CONTAMINANT<br>Volatile Organic Compounds (VOCs) | CAS<br>Number | Units | Tap<br>Water      | IDW              | RINSATE-1        | RINSATE-2        | DUP-1<br>(MW-8) | DUP-2<br>(OMS-28-1) | TRIP BLANK       | TRIP BLANK       |
|  |               |       |                   | 07/08/08         | 07/01/08         | 07/08/08         | 07/01/08        | 07/08/08            | 07/14/08         | 07/01/08         |
| 1,1,1-Trichloroethane                            | 71-55-6       | mg/L  | 0.02              | 0.0000683U       | 0.0000683U       | 0.0000683U       | 0.0000683U      | 0.0000683U          | 0.0000683U       | 0.0000683U       |
| 1,1,2,2-Tetrachloroethane                        | 79-34-5       | mg/L  | 0.000055          | 0.000148U        | 0.000148U        | 0.000148U        | 0.000148U       | 0.000148U           | 0.000148U        | 0.000148U        |
| 1,1,2-Trichloroethane                            | 79-00-5       | mg/L  | 0.005             | 0.000146U        | 0.000146U        | 0.000146U        | 0.000146U       | 0.000146U           | 0.000146U        | 0.000146U        |
| 1,1-Dichloroethane                               | 75-34-3       | mg/L  | 0.081             | 0.0000801U       | 0.0000801U       | 0.0000801U       | 0.0000801U      | 0.0000801U          | 0.0000801U       | 0.0000801U       |
| 1,1-Dichloroethene                               | 75-35-4       | mg/L  | 0.007             | 0.0000961U       | 0.0000961U       | 0.0000961U       | 0.0000961U      | 0.0000961U          | 0.0000961U       | 0.0000961U       |
| 1,2,4-Trichlorobenzene                           | 120-82-1      | mg/L  | 0.07              | 0.000223U        | 0.000223U        | 0.000223U        | 0.000223U       | 0.000223U           | 0.000223U        | 0.000223U        |
| 1,2-Dibromo-3-chloropropane                      | 96-12-8       | mg/L  | 0.0002            | 0.000356U        | 0.000356U        | 0.000356U        | 0.000356U       | 0.000356U           | 0.000356U        | 0.000356U        |
| 1,2-Dibromoethane                                | 106-93-4      | mg/L  | 0.00005           | 0.000158U        | 0.000158U        | 0.000158U        | 0.000158U       | 0.000158U           | 0.000158U        | 0.000158U        |
| 1,2-Dichlorobenzene                              | 95-50-1       | mg/L  | 0.60              | 0.000109U        | 0.000109U        | 0.000109U        | 0.000109U       | 0.000109U           | 0.000109U        | 0.000109U        |
| 1,2-Dichloroethane                               | 107-06-2      | mg/L  | 0.01              | 0.0000663U       | 0.0000663U       | 0.0000663U       | 0.0000663U      | 0.0000663U          | 0.0000663U       | 0.0000663U       |
| 1,2-Dichloropropane                              | 78-87-5       | mg/L  | 0.01              | 0.0000555U       | 0.0000555U       | 0.0000555U       | 0.0000555U      | 0.0000555U          | 0.0000555U       | 0.0000555U       |
| 1,3-Dichlorobenzene                              | 541-73-1      | mg/L  | 0.018             | 0.0000861U       | 0.0000861U       | 0.0000861U       | 0.0000861U      | 0.0000861U          | 0.0000861U       | <b>0.000257J</b> |
| 1,4-Dichlorobenzene                              | 106-46-7      | mg/L  | 0.075             | 0.0000961U       | 0.0000961U       | 0.0000961U       | 0.0000961U      | 0.0000961U          | 0.0000961U       | 0.0000961U       |
| 2-Butanone (MEK)                                 | 78-93-3       | mg/L  | 0.70              | 0.000487U        | 0.000487U        | 0.000487U        | 0.000487U       | 0.000487U           | <b>0.000487</b>  | 0.000487U        |
| 2-Hexanone                                       | 591-78-6      | mg/L  | NE                | 0.000308U        | 0.000308U        | 0.000308U        | 0.000308U       | 0.000308U           | 0.000308U        | 0.000308U        |
| 4-Methyl-2-pentanone (Hexone)                    | 108-10-1      | mg/L  | 0.20              | 0.000113U        | 0.000113U        | 0.000113U        | 0.000113U       | 0.000113U           | <b>0.000113U</b> | 0.000113U        |
| Acetone  | 67-64-1       | mg/L  | 0.55              | <b>0.00563J</b>  | <b>0.00366J</b>  | <b>0.00345J</b>  | <b>0.00430J</b> | <b>0.00678J</b>     | <b>0.00181J</b>  | <b>0.010J</b>    |
| Benzene  | 71-43-2       | mg/L  | 0.005             | 0.0000624U       | 0.0000624U       | 0.0000624U       | 0.0000624U      | 0.0000624U          | 0.0000624U       | 0.0000624U       |
| Bromodichloromethane                             | 75-27-4       | mg/L  | 0.08              | 0.0000875U       | 0.0000875U       | 0.0000875U       | 0.0000875U      | 0.0000875U          | 0.0000875U       | 0.0000875U       |
| Bromoform  | 75-25-2       | mg/L  | 0.08              | 0.0000947U       | 0.0000947U       | 0.0000947U       | 0.0000947U      | 0.0000947U          | <b>0.00150J</b>  | 0.0000947U       |
| Bromomethane (Methyl bromide)                    | 74-83-9       | mg/L  | 0.00087           | 0.000252U        | 0.000252U        | 0.000252U        | 0.000252U       | 0.000252U           | 0.000252U        | 0.000252U        |
| Carbon disulfide                                 | 75-15-0       | mg/L  | 0.10              | 0.000184U        | 0.000184U        | 0.000184U        | 0.000184U       | 0.000184U           | 0.000184U        | 0.000184U        |
| Carbon Tetrachloride                             | 56-23-5       | mg/L  | 0.01              | 0.0000825U       | 0.0000825U       | 0.0000825U       | 0.0000825U      | 0.0000825U          | 0.0000825U       | 0.0000825U       |
| Chlorobenzene                                    | 108-90-7      | mg/L  | 0.10              | 0.0000631U       | 0.0000631U       | 0.0000631U       | 0.0000631U      | 0.0000631U          | 0.0000631U       | 0.0000631U       |
| Chloroethane                                     | 75-00-3       | mg/L  | 0.0046            | 0.0000618U       | 0.0000618U       | 0.0000618U       | 0.0000618U      | 0.0000618U          | 0.0000618U       | 0.0000618U       |
| Chloroform                                       | 67-66-3       | mg/L  | 0.08              | <b>0.014</b>     | 0.0000426U       | 0.0000426U       | 0.0000426U      | <b>0.045</b>        | 0.0000426U       | 0.0000426U       |
| Chloromethane (Methyl chloride)                  | 74-87-3       | mg/L  | 0.0016            | <b>0.000963J</b> | <b>0.000884J</b> | <b>0.00133J</b>  | 0.000249U       | <b>0.00184J</b>     | 0.000249U        | 0.000249U        |
| Cyclohexane                                      | 110-82-7      | mg/L  | 1000 <sup>a</sup> | 0.0000722U       | 0.0000722U       | 0.0000722U       | 0.0000722U      | 0.0000722U          | 0.0000722U       | 0.0000722U       |
| Dibromochloromethane                             | 124-48-1      | mg/L  | 0.08              | 0.0000637U       | 0.0000637U       | 0.0000637U       | 0.0000637U      | 0.0000637U          | <b>0.000939J</b> | 0.0000637U       |
| Dibromodifloromethane                            | 75-71-8       | mg/L  | 0.039             | 0.0000680U       | 0.0000680U       | 0.0000680U       | 0.0000680U      | 0.0000680U          | 0.0000680U       | 0.0000680U       |
| cis-1,3-Dichloropropene                          | 542-75-6      | mg/L  | 0.0004            | 0.0000746U       | 0.0000746U       | 0.0000746U       | 0.0000746U      | 0.0000746U          | 0.0000746U       | 0.0000746U       |
| trans-1,3-Dichloropropene                        | 542-75-6      | mg/L  | 0.0004            | 0.0000702U       | 0.0000702U       | 0.0000702U       | 0.0000702U      | 0.0000702U          | 0.0000702U       | 0.0000702U       |
| Ethylbenzene                                     | 100-41-4      | mg/L  | 0.70              | 0.0000924U       | 0.0000924U       | 0.0000924U       | 0.0000924U      | 0.0000924U          | 0.0000924U       | 0.0000924U       |
| Isopropylbenzene (Cumene)                        | 98-82-8       | mg/L  | 0.66              | 0.0000569U       | 0.0000569U       | 0.0000569U       | 0.0000569U      | 0.0000569U          | 0.0000569U       | 0.0000569U       |
| Methyl acetate                                   | 79-20-9       | mg/L  | 6100 <sup>a</sup> | 0.000375U        | 0.000375U        | 0.000375U        | 0.000375U       | 0.000375U           | 0.000375U        | 0.000375U        |
| Methylcyclohexane                                | 108-87-2      | mg/L  | 2600 <sup>a</sup> | 0.0000921U       | 0.0000921U       | <b>0.0000921</b> | 0.0000921U      | 0.0000921U          | 0.0000921U       | 0.0000921U       |
| Methylene Chloride                               | 75-09-2       | mg/L  | 0.005             | <b>0.00278J</b>  | <b>0.000797J</b> | <b>0.000800J</b> | 0.0000765U      | <b>0.00907J</b>     | 0.0000765U       | 0.0000765U       |
| Naphthalene                                      | 91-20-3       | mg/L  | 0.00062           | 0.000245U        | 0.000245U        | 0.000245U        | 0.000245U       | 0.000245U           | 0.000245U        | 0.000245U        |
| Styrene  | 100-42-5      | mg/L  | 0.1               | 0.0000821U       | 0.0000821U       | 0.0000821U       | 0.0000821U      | 0.0000821U          | 0.0000821U       | 0.0000821U       |
| Tetrachloroethene (PCE)                          | 127-18-4      | mg/L  | 0.005             | 0.000200U        | 0.000200U        | 0.000200U        | 0.000200U       | 0.000200U           | 0.000200U        | 0.000200U        |
| Toluene  | 108-88-3      | mg/L  | 1.00              | <b>0.000369J</b> | 0.0000675U       | 0.0000675U       | 0.0000675U      | <b>0.000434J</b>    | 0.0000675U       | <b>0.000290J</b> |
| Trichloroethene (TCE)                            | 79-01-6       | mg/L  | 0.005             | 0.000164U        | 0.000164U        | 0.000164U        | <b>0.129</b>    | 0.000164U           | 0.000164U        | 0.000164U        |
| Trichlorofloromethane                            | 75-69-4       | mg/L  | 0.13              | 0.0000638U       | 0.0000638U       | 0.0000638U       | 0.0000638U      | 0.0000638U          | 0.0000638U       | 0.0000638U       |
| Trichlorotrifloroethane                          | 76-13-1       | mg/L  | NE                | 0.000168U        | 0.000168U        | 0.000168U        | 0.000168U       | 0.000168U           | 0.000168U        | 0.000168U        |
| Vinyl chloride (child/adult)                     | 75-01-4       | mg/L  | 0.002             | <b>0.0000538</b> | 0.0000538U       | 0.0000538U       | 0.0000538U      | 0.0000538U          | 0.0000538U       | 0.0000538U       |
| Xylenes (total)                                  | 1330-20-7     | mg/L  | 10                | 0.000194U        | 0.000194U        | 0.000194U        | 0.000194U       | 0.000194U           | 0.000194U        | 0.000194U        |
| (cis)-1,2-Dichloroethene                         | 156-59-2      | mg/L  | 0.07              | 0.0000745U       | 0.0000745U       | 0.0000745U       | <b>0.00437J</b> | 0.0000745U          | 0.0000745U       | 0.0000745U       |
| Methyl tert-butyl ether (MTBE)                   | 1634-04-4     | mg/L  | 0.011             | 0.0000756U       | 0.0000756U       | 0.0000756U       | 0.0000756U      | 0.0000756U          | 0.0000756U       | 0.0000756U       |
| (trans)-1,2-Dichloroethene                       | 156-60-5      | mg/L  | 0.10              | 0.0000573U       | 0.0000573U       | 0.0000573U       | 0.0000573U      | 0.0000573U          | 0.0000573U       | 0.0000573U       |

**Footnotes**

- ARBCA Preliminary Screening Values (PSVs) for Groundwater/Tap Water.
- Italicized contaminant – no ARBCA PSV available.
- <sup>a</sup> – EPA Regional Screening Level for Chemical Contaminants at Superfund
- Bold font indicates a detected concentration
- Bold, italicized, and underlined font indicates that a concentration exceeds
- mg/L – milligrams per liter.
- ND – non-detect; analyte concentration is below the laboratory detection li
- J – flag indicates an estimated value.
- U – flag indicates the compound was analyzed for but was not detected
- NE = Not established

## **FIGURES**



OMS #28  
FORMER BROOKLEY FIELD  
MOBILE, ALABAMA

MOBILE, ALABAMA  
QUADRANGLE

7.5 MINUTE SERIES  
(TOPOGRAPHIC)

CONTOUR INTERVAL 10 FEET

DATED 1982

FIGURE 1-1 SITE LOCATION MAP



OMS #28  
BROOKLEY COMPLEX  
MOBILE, ALABAMA

DRAWN BY: WPD

REFERENCE: 1982  
TOPOGRAPHIC MAP OF MOBILE,  
ALABAMA  
PROVIDED BY: USGS

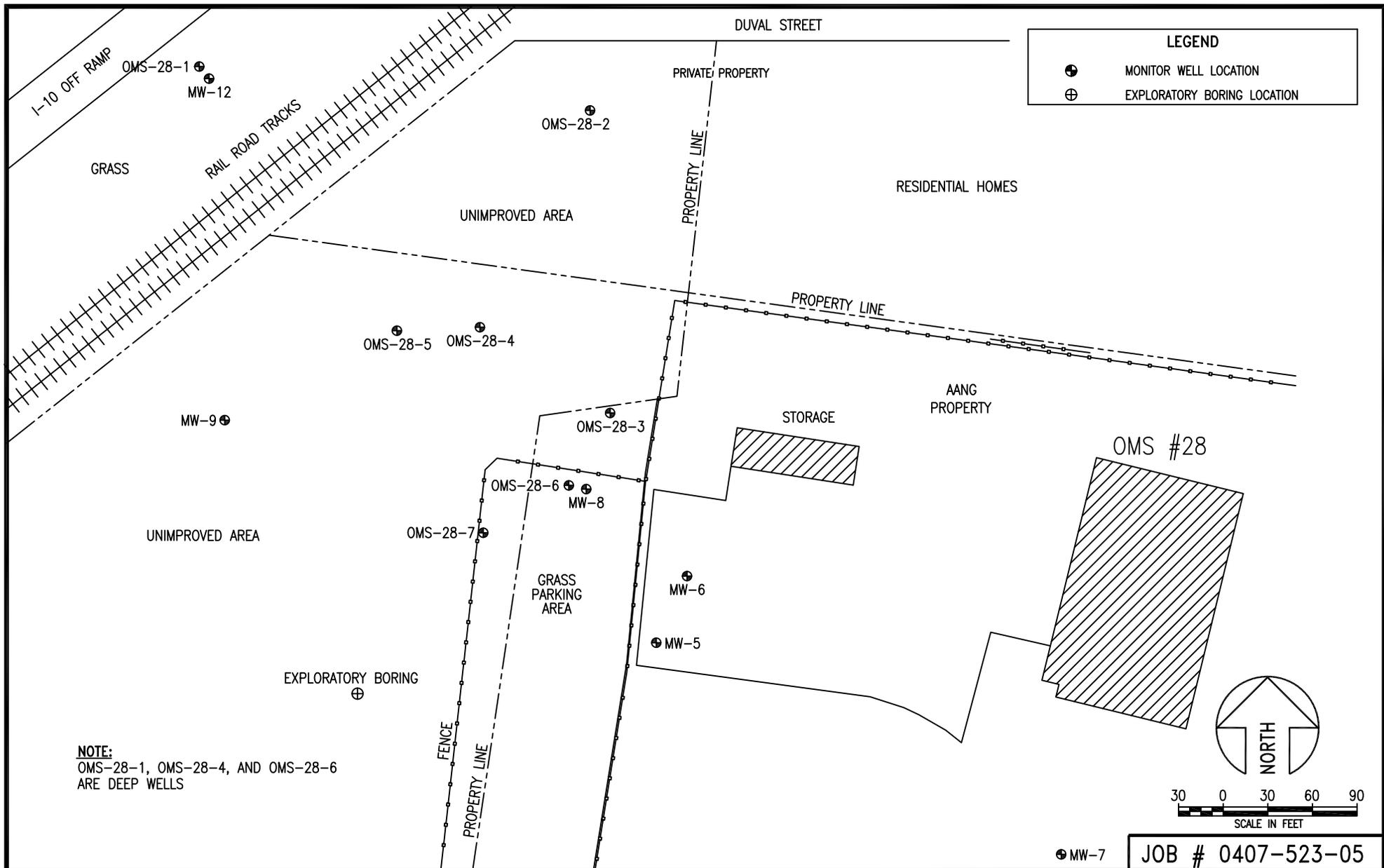


FIGURE 1-2 - PROJECT SITE MAP



OMS #28  
FORMER BROOKLEY FIELD  
MOBILE, ALABAMA

SCALE: 1" = 90'-0"  
DATE: OCTOBER 2008  
DRAWN BY: ESCHETE

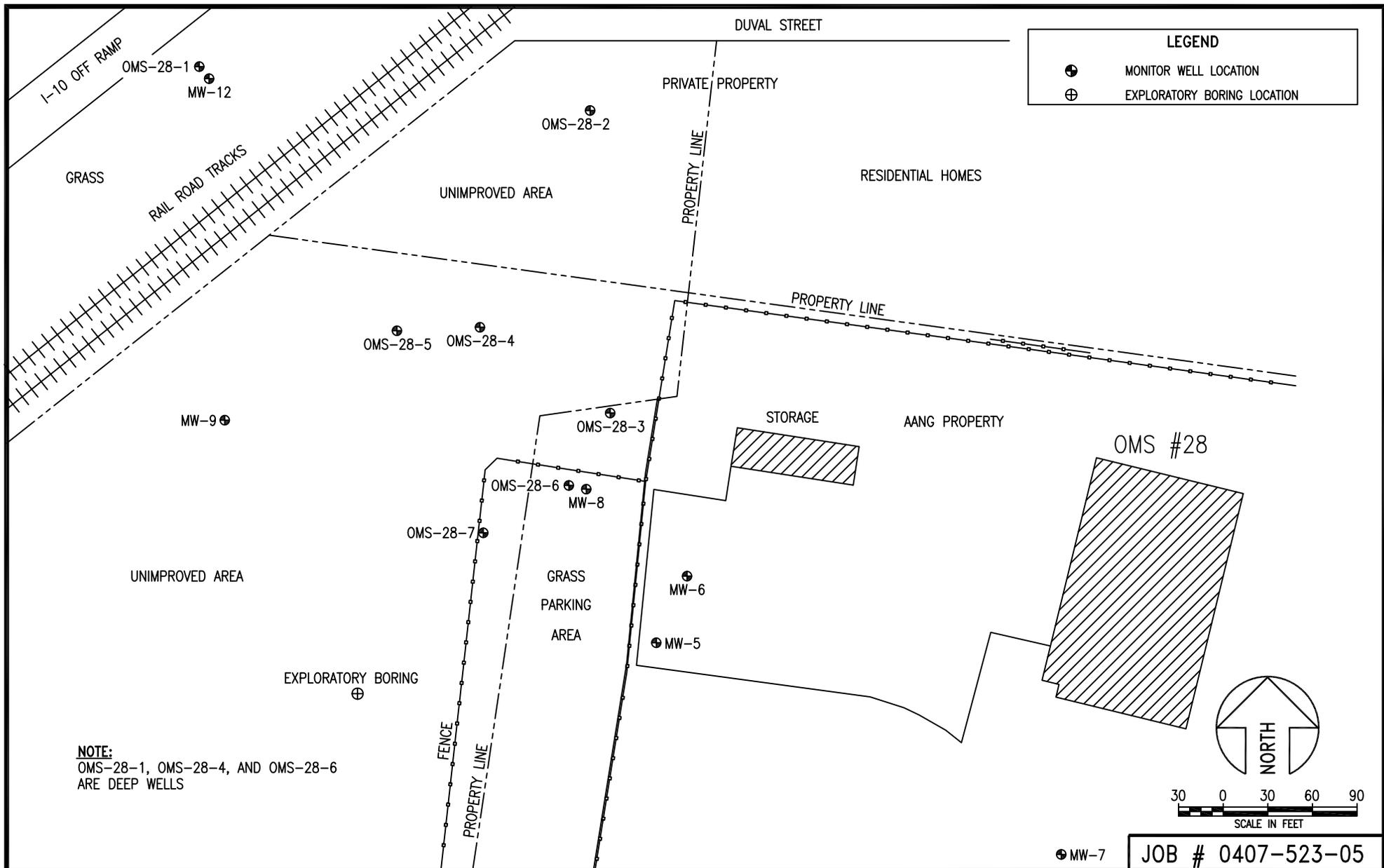


FIGURE 2 – SAMPLE LOCATION MAP



OMS #28  
FORMER BROOKLEY FIELD  
MOBILE, ALABAMA

SCALE: 1" = 90'-0"

DATE: OCTOBER 2008

DRAWN BY: ESCHETE

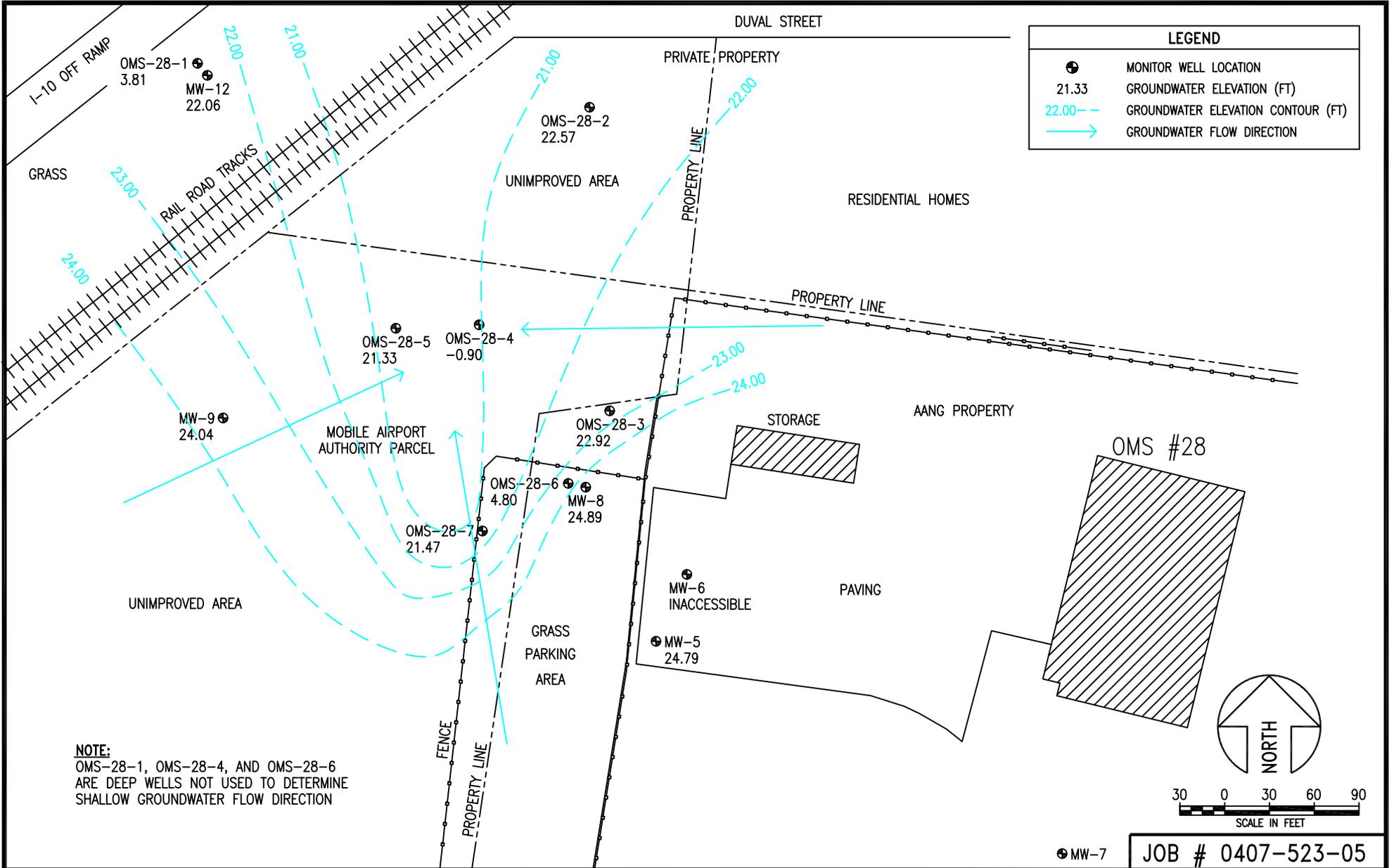


FIGURE 3 - SHALLOW POTENTIOMETRIC SURFACE MAP



OMS #28  
FORMER BROOKLEY FIELD  
MOBILE, ALABAMA

SCALE: 1" = 90'-0"  
DATE: OCTOBER 2008  
DRAWN BY: ESCHETE

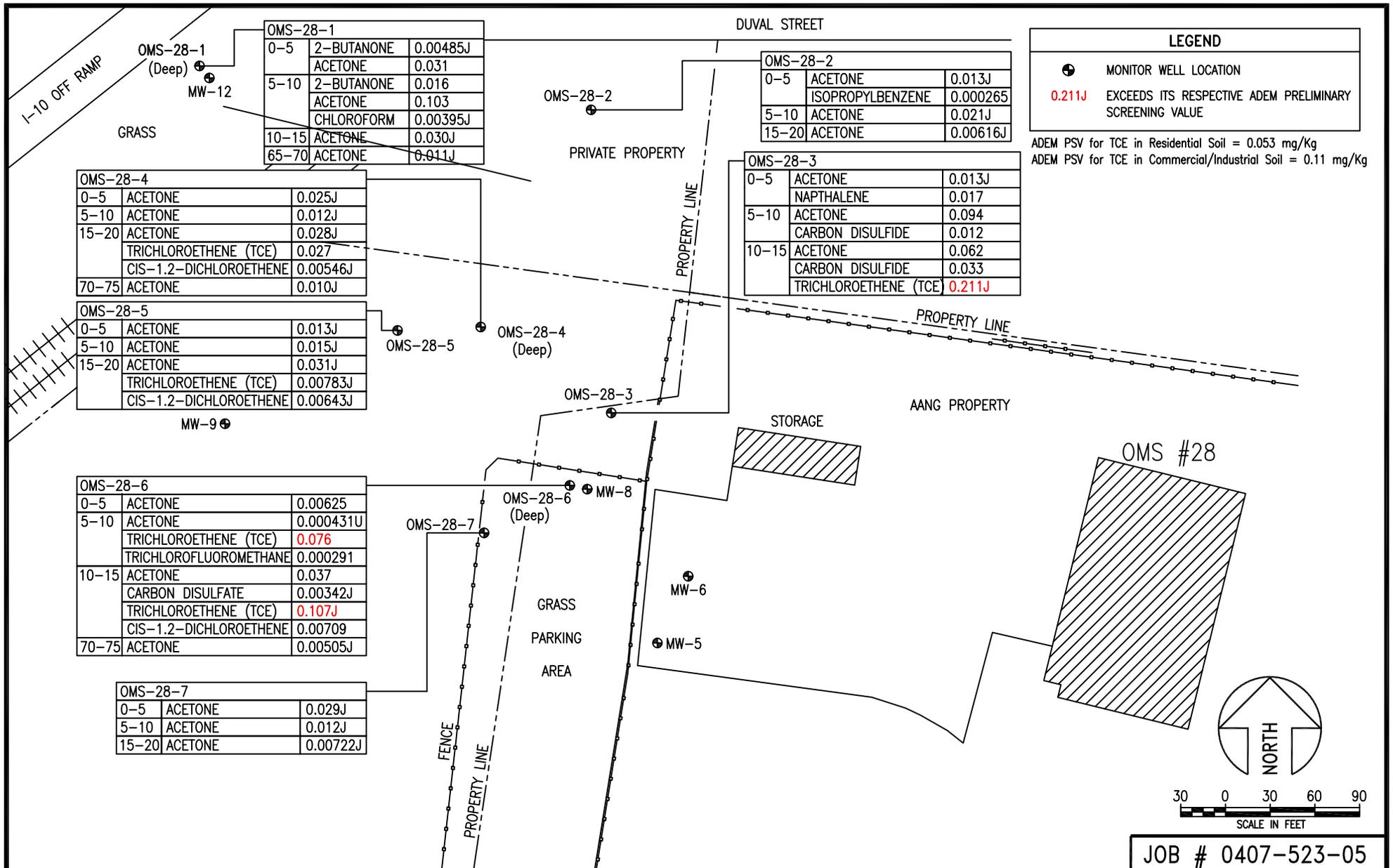


FIGURE 4 - SOIL ANALYTICAL RESULTS



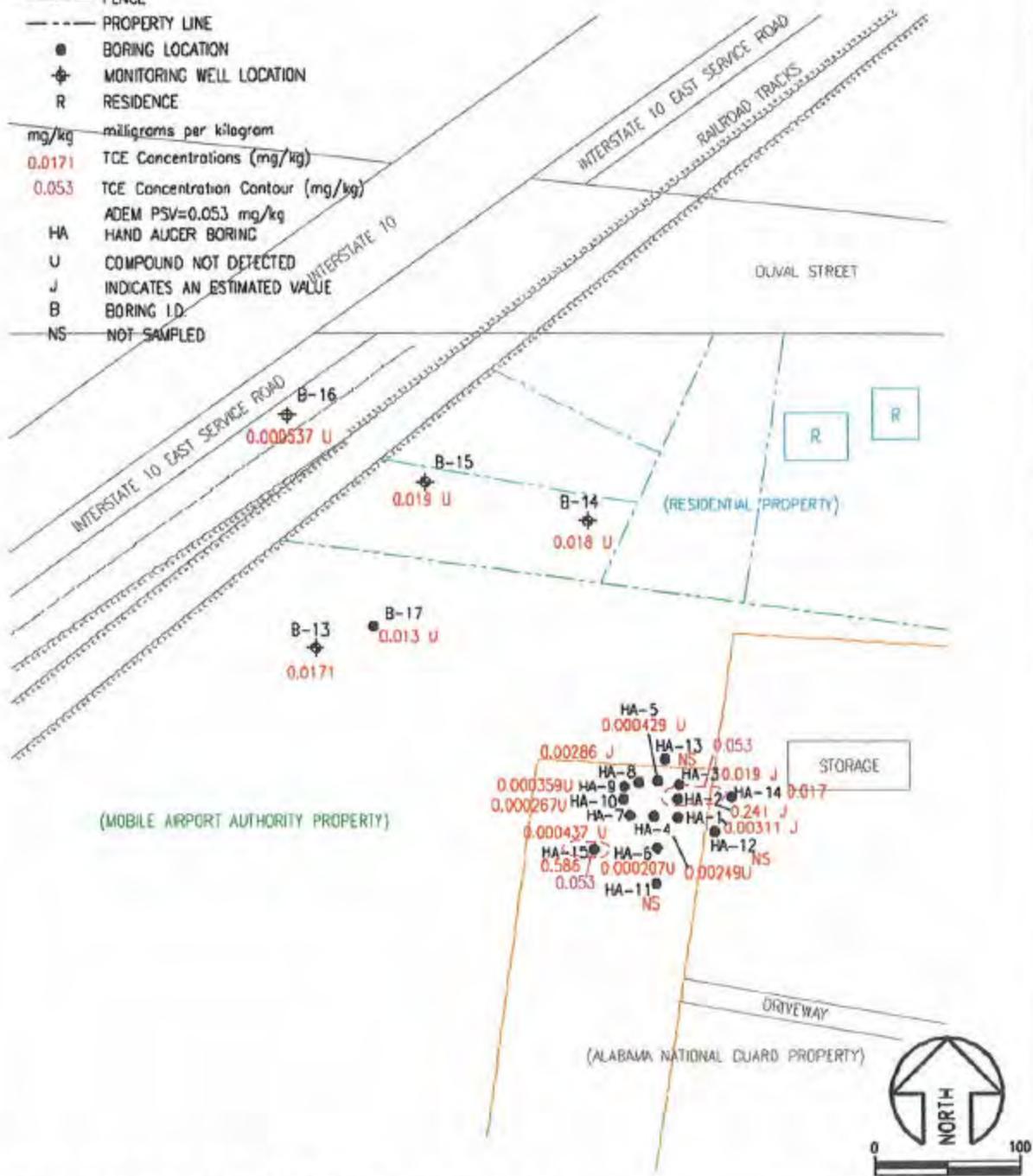
OMS #28  
FORMER BROOKLEY FIELD  
MOBILE, ALABAMA

SCALE: 1" = 90'-0"  
DATE: OCTOBER 2008  
DRAWN BY: ESCHETE

**LEGEND**

- FENCE
- - - PROPERTY LINE
- BORING LOCATION
- ◆ MONITORING WELL LOCATION
- R RESIDENCE

- mg/kg milligrams per kilogram
- 0.0171 TCE Concentrations (mg/kg)
- 0.053 TCE Concentration Contour (mg/kg)
- ADEM PSV=0.053 mg/kg
- HA HAND AUGER BORING
- U COMPOUND NOT DETECTED
- J INDICATES AN ESTIMATED VALUE
- B BORING I.D.
- NS NOT SAMPLED



\*\*This figure is from the April 2007 TCE Investigation Report

JOB #: 0405-517-07

**FIGURE 5 - TCE CONCENTRATIONS IN SOIL (COLLECTED FROM 0-12 INCHES)**



OMS 28  
BROOKLEY FIELD  
MOBILE, ALABAMA

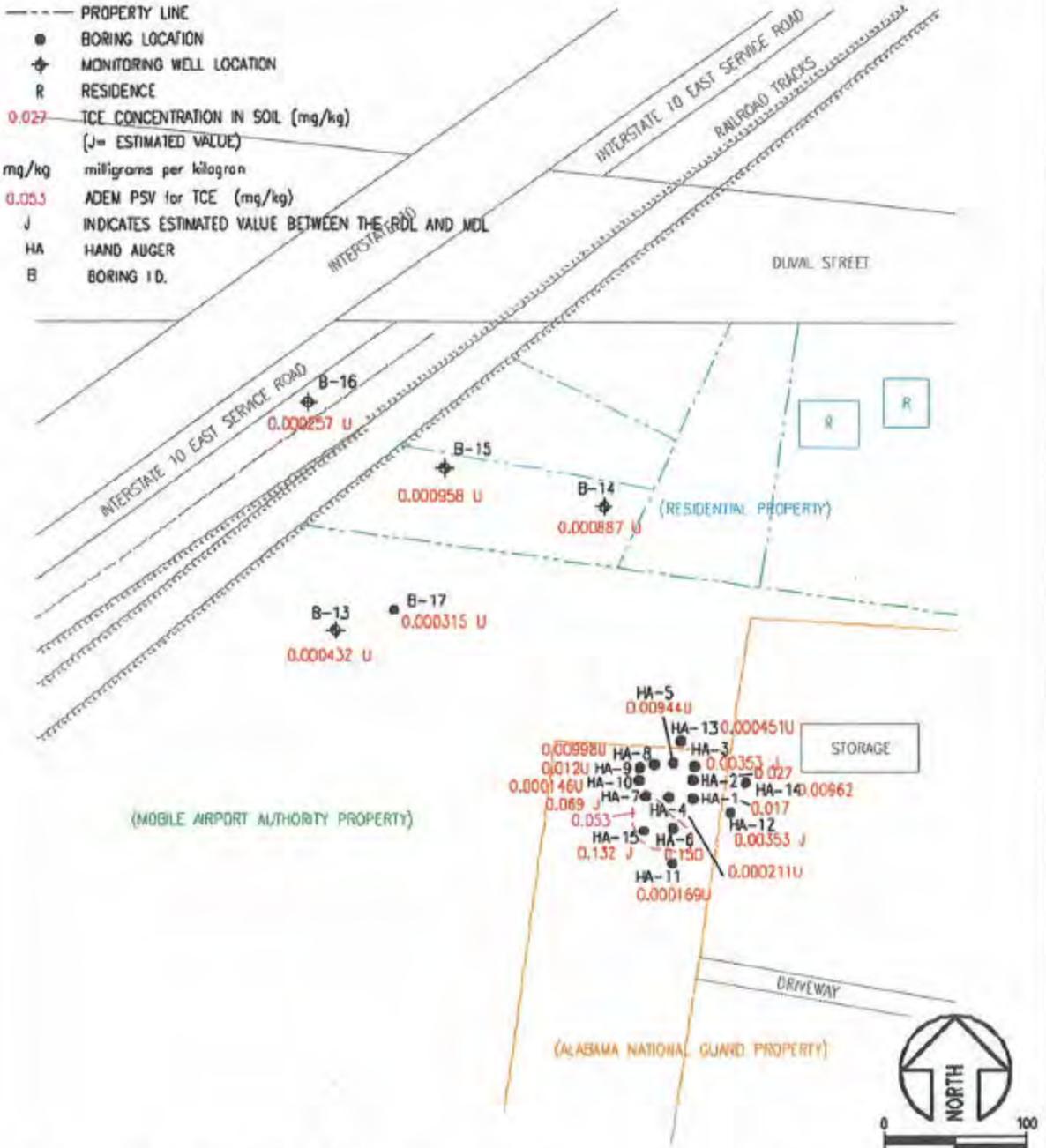
SCALE: 1" = 100'-0"

DATE: JANUARY 2007

DRAWN BY: WIEN

**LEGEND**

- FENCE
- - - PROPERTY LINE
- BORING LOCATION
- ⊕ MONITORING WELL LOCATION
- R RESIDENCE
- 0.027 TCE CONCENTRATION IN SOIL (mg/kg)  
(J= ESTIMATED VALUE)
- mg/kg milligrams per kilogram
- 0.053 ADEM PSV for TCE (mg/kg)
- J INDICATES ESTIMATED VALUE BETWEEN THE RDL AND MDL
- HA HAND AUGER
- B BORING ID.



\*\*This figure is from the April 2007 TCE Investigation Report

JOB #: 0405-517-07

**FIGURE 6- TCE CONCENTRATIONS IN SOIL (SUBSURFACE SOIL SAMPLE)**



OMS 28  
BROOKLEY FIELD  
MOBILE, ALABAMA

SCALE: 1" = 100'-0"  
DATE: JANUARY 2007  
DRAWN BY: WIEN

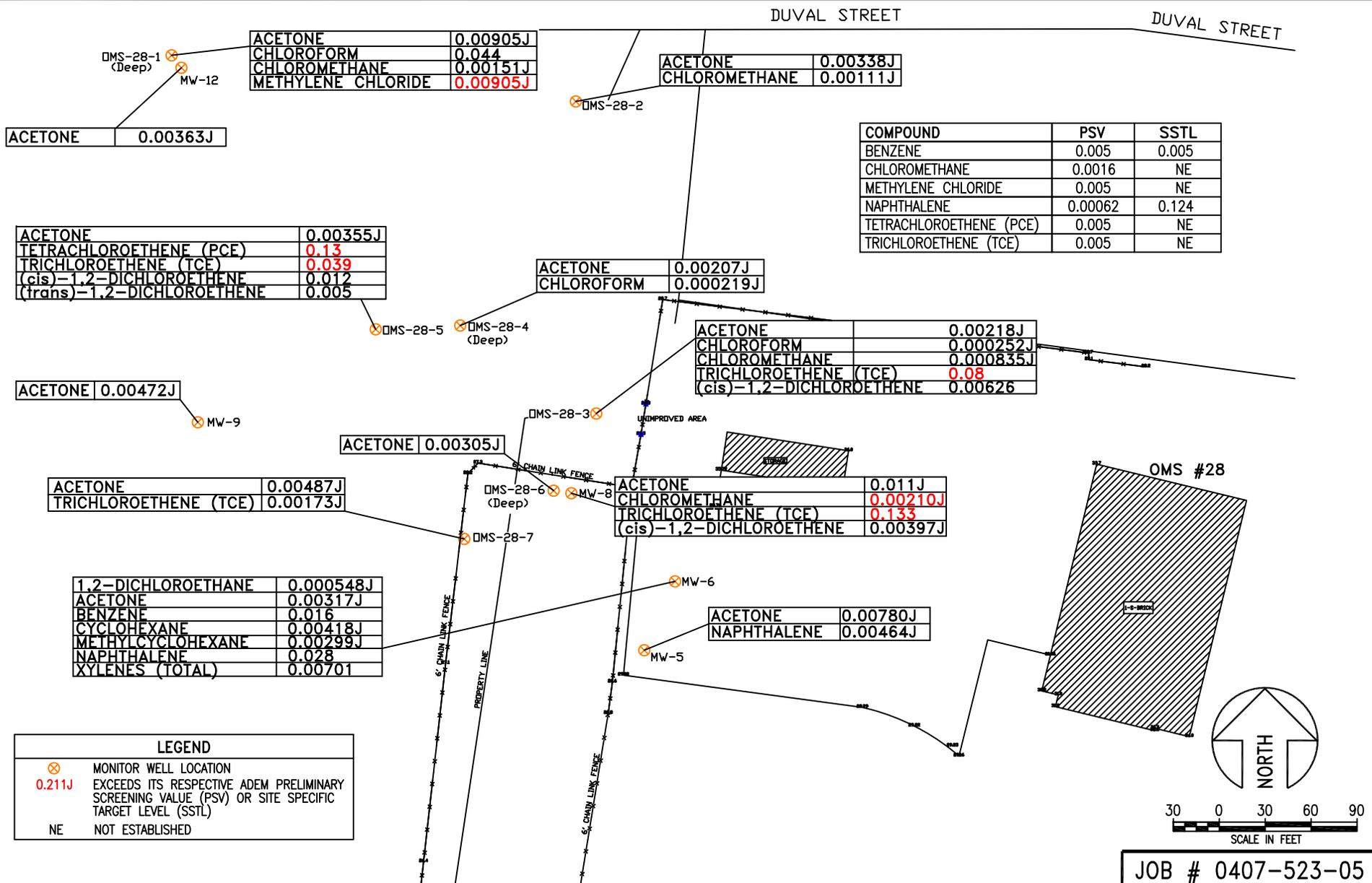


FIGURE 7 - GROUNDWATER ANALYTICAL RESULTS



OMS #28  
FORMER BROOKLEY FIELD  
MOBILE, ALABAMA

SCALE: 1" = 90'-0"  
DATE: OCTOBER 2008  
DRAWN BY: ESCHETE

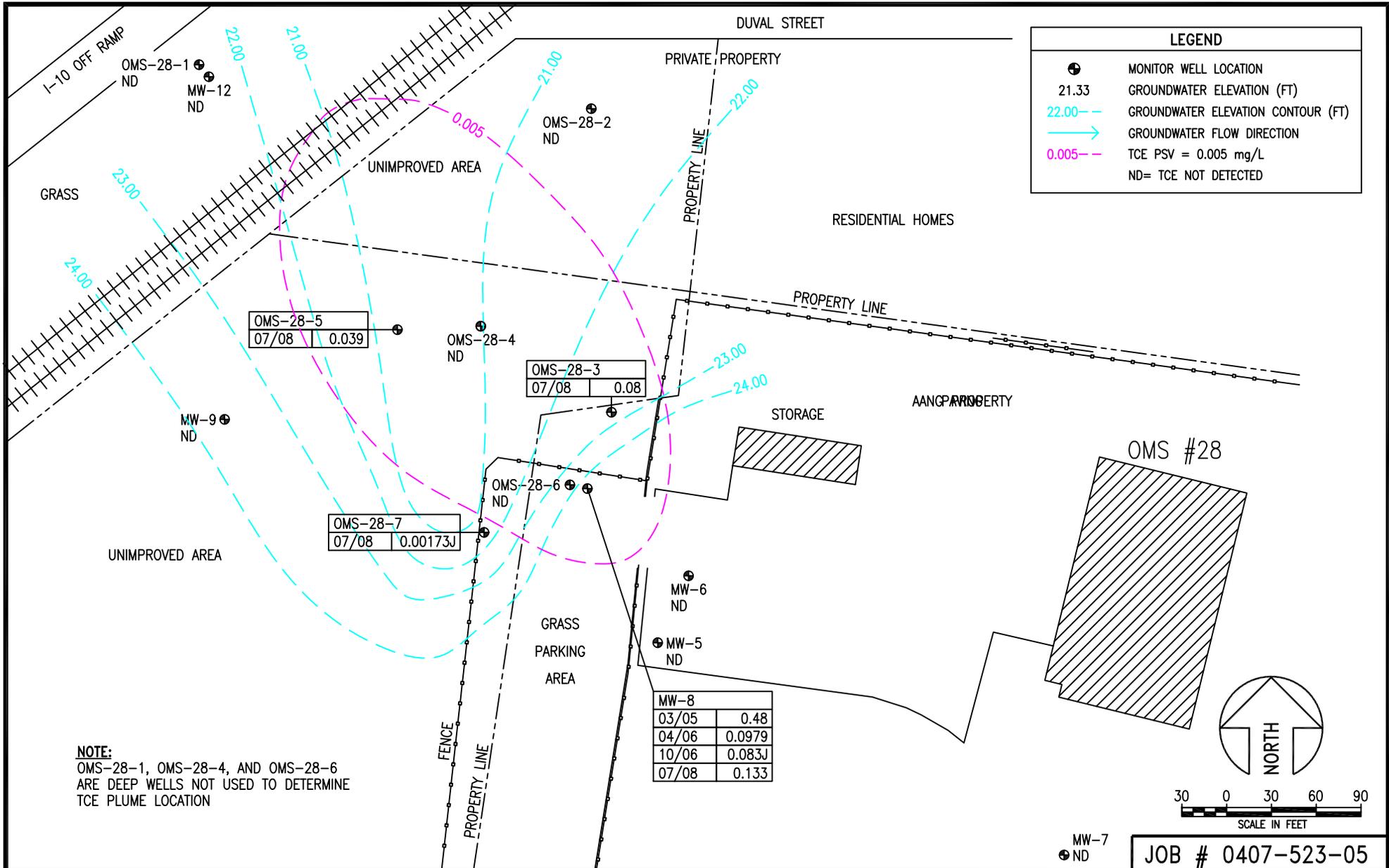


FIGURE 8 - TRICHLOROETHENE (TCE) GROUNDWATER PLUME



OMS #28  
FORMER BROOKLEY FIELD  
MOBILE, ALABAMA

SCALE: 1" = 90'-0"  
DATE: OCTOBER 2008  
DRAWN BY: ESCHETE

**APPENDIX A**  
**ADEM CORRESPONDENCE**



Alabama Department of Environmental Management  
adem.alabama.gov

1400 Coliseum Blvd. 36110-2059 ♦ Post Office Box 301463  
Montgomery, Alabama 36130-1463  
(334) 271-7700  
FAX (334) 271-7950

June 28, 2007

Alabama National Guard  
c/o: Mr. William Turk  
P.O. Box 3711  
Montgomery, AL 36109-0711



Dear Mr. Turk:

**RE: ALABAMA NATIONAL GUARD SITE**  
Organizational Maintenance Shop (OMS-28)  
1622 South Broad Street  
Mobile, Mobile County, Alabama  
Groundwater Incident No. GW 07-01-02

The Alabama Department of Environmental Management is in receipt of the report entitled "TCE Comprehensive Investigation at Organizational Maintenance Shop 28." Upon review of the report, the following was determined:

1. The report documents the sampling of temporary wells TW-1, TW-3, TW-4, TW-5, PZ-1 and PZ-2; however, the report does not include detailed information regarding how these wells were constructed, installed, purged and sampled during this sampling period, and if these well currently exist onsite. Additionally, the report does not include boring logs and well construction diagrams for these temporary wells. All information with respect to these wells should be submitted to ADEM for review.
2. The groundwater analysis collected from Direct Push Technology (DPT) wells are only deemed as screening data. Therefore, the Department agrees with the reports recommendation to install additional monitoring wells at the site to define the horizontal and vertical extent of contamination in groundwater. The Department recommends that additional monitoring wells are warranted between well MW-8 and temporary well TW-3, and in the vicinity of temporary wells TW-1 and TW-7. Additionally, due to the type of contaminant's of concern (chlorinated constituents), monitoring wells screened in a deeper groundwater producing zone or aquifer should be installed in the source area (adjacent to MW-8) and adjacent to temporary well TW-6 and monitoring well MW-12. All existing and proposed monitoring wells should be sampled for all VOCs. A work plan should be developed and submitted to ADEM for review and approval that incorporates detailed information regarding how the recommended monitoring wells will be installed, constructed, developed and sampled.
3. Soil samples should be obtained from soil intervals between the upper saturated zone and the deeper saturated zone from all deep monitoring wells. Soil samples collected should be submitted to the laboratory for the analysis of all VOCs. The above requested work plan should include details regarding how all soil samples will be collected.

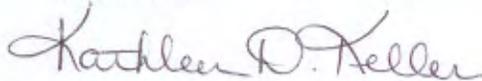


The report recommends developing a risk assessment in accordance with ADEM's most recent ARBCA guidance document. It should be noted that a risk assessment can not be performed until a minimum of 4 quarterly sampling events or 2 years of semi-annual sampling events have been completed. The above requested work plan should include a quarterly groundwater monitoring plan that includes how all monitoring wells will be purged and sampled for VOCs analysis. The plan should also include the submittal of quarterly monitoring reports to the Department.

Additionally, ADEM's ARBCA document has recently been revised. Therefore, the development of the risk assessment should be completed in accordance with the revised document (June 2007).

If there are any questions regarding this letter, please do not hesitate to contact me at 334/271-7964 or by Email at [kdk@adem.state.al.us](mailto:kdk@adem.state.al.us).

Sincerely,



Kathleen D. Keller  
Hydrogeologist  
ADEM Hydrogeology Section

KK/aw

*File: GW106/AL National Guard – Mobile/ Mobile County/GW 07-01-02*

ONIS "TREY" GLENN, III  
DIRECTOR



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BOB RILEY  
GOVERNOR



August 17, 2007

Alabama National Guard  
c/o: Mr. William Turk  
P.O. Box 3711  
Montgomery, AL 36109-0711

Dear Mr. Turk:

RE: Alabama National Guard Site  
Organizational Maintenance Shop (OMS-28)  
1622 South Broad Street  
Mobile, Mobile County, Alabama  
Groundwater Incident No. GW 07-01-02

The Alabama Department of Environmental Management is in receipt of the State Military Department's (Joint Force Headquarters Alabama National Guard) responses to ADEM's letter dated June 28, 2007 regarding the previously submitted report "TCE Comprehensive Investigation at Organizational Maintenance Shop 28." It has been determined that all of ADEM's comments have been adequately addressed.

Upon review of the installation information and construction of temporary wells TW-1 through TW-5, it has been determined that these well were not constructed in accordance with ADEM's guidance. Therefore, these temporary wells should be properly abandoned in accordance with ADEM's well abandonment guidance (See Appendix B of the Alabama Environmental Investigation and Remediation Guidance). All casing and annulus material should be removed, contained and disposed, with the borehole grouted by tremie method from the bottom of the borehole to the land surface.

If there are any questions, please do not hesitate to contact me at 334/271-7964 or by Email at [kdk@adem.state.al.us](mailto:kdk@adem.state.al.us).

Sincerely,

A handwritten signature in black ink that reads "Kathleen D. Keller".

Kathleen D. Keller  
Hydrogeologist  
ADEM Hydrogeology Section

KDK/pw

*File: GW106/AL National Guard – Mobile/ Mobile County/GW 07-01-02*

Birmingham Branch  
110 Vulcan Road  
Birmingham, AL 35209-4702  
(205) 942-6168  
(205) 941-1603 (Fax)

Decatur Branch  
2715 Sandlin Road, S.W.  
Decatur, AL 35603-1333  
(256) 353-1713  
(256) 340-9359 (Fax)



Mobile Branch  
2204 Perimeter Road  
Mobile, AL 36615-1131  
(251) 450-3400  
(251) 479-2593 (Fax)

Mobile - Coastal  
4171 Commanders Drive  
Mobile, AL 36615-1421  
(251) 432-6533  
(251) 432-6598 (Fax)

**APPENDIX B**  
**SOIL BORING LOGS AND MONITOR WELL SCHEMATICS**



# SOIL BORING LOG

|   |  |  |  |   |  |
|---|--|--|--|---|--|
| Boring/Well Number:<br>Exploratory Boring   |  | Permit Number:<br>N/A                                      |  | FDEP Facility Identification Number:<br>N/A |  |
| Site Name:<br>OMS-28  |  | Borehole Start Date:<br>3/24/08                            | Borehole Start Time:<br>1440   | <input type="checkbox"/> AM                 | <input checked="" type="checkbox"/> PM |
|   |  | End Date:<br>3/25/08                                       | End Time:<br>1325  | <input type="checkbox"/> AM                 | <input checked="" type="checkbox"/> PM |
| Environmental Contractor:<br>AEROSTAR   |  | Geologist's Name:<br>W.P. Davis                            |  | Environmental Technician's Name:            |  |
| Drilling Company:<br>WDC  |  | Pavement Thickness (inches):<br>N/A                        | Borehole Diameter (inches):<br>4"  | Borehole Depth (feet):<br>120               |  |
| Drilling Method(s):<br>SC   | Apparent Borehole DTW (in feet from soil moisture content):<br>12' | Measured Well DTW (in feet after water recharges in well): | OVA (list model and check type):<br>Photovac MicroFID <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID |   |  |
| Disposition of Drill Cuttings [check method(s)]:<br>(describe if other or multiple items are checked):  |  |  |  |   |  |
| <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other                      |  |  |  |   |  |
| Borehole Completion (check one):  |  |  |  |   |  |
| <input type="checkbox"/> Well <input checked="" type="checkbox"/> Grout <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe) |  |  |  |   |  |

| Sample Type | Sample Depth Interval (feet) | Sample Recovery (inches) | SPT Blows (per six inches) | Unfiltered OVA | Filtered OVA | Net OVA | Depth (feet) | Sample Description<br>(include grain size based on USCS, odors, staining, and other remarks) | USCS Symbol | Moisture Content | Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval) |
|-------------|------------------------------|--------------------------|----------------------------|----------------|--------------|---------|--------------|--|-------------|------------------|--|
| SC          |                              |                          |                            | 0              | --           | 0       | 1<br>2       | Dark red-brown silty clayey loam   |             |                  | Shelby tube sample taken at surface to represent Vadose Zone                                 |
| SC          |                              |                          |                            | 0              | --           | 0       | 3<br>4       | Dark red-brown silty clayey loam   |             |                  |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 5<br>6       | At 5 feet BGS, a mottled light gray and light brown medium grained sand is observed          |             |                  |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 7<br>8       | Mottled light gray and light brown medium grained sand                                       |             |                  |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 9<br>10      | Mottled light gray and light brown medium grained sand                                       |             |                  |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 11<br>12     | Mottled light gray and light brown medium grained sand                                       |             |                  | Shelby tube sample taken at 12 feet BGS to represent 1st Saturation Zone                     |

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings  
 Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated



# SOIL BORING LOG

|  |  |  |  |   |  |
|--|--|--|--|---|--|
| Boring/Well Number:<br>OMS-28-7  |  | Permit Number:<br>N/A                                      |  | FDEP Facility Identification Number:<br>N/A |  |
| Site Name:<br>OMS-28   |  | Borehole Start Date:<br>3/26/08                            | Borehole Start Time:<br>1530   | <input type="checkbox"/> AM                 | <input checked="" type="checkbox"/> PM |
|  |  | End Date:<br>3/26/08                                       | End Time:<br>1605  | <input type="checkbox"/> AM                 | <input checked="" type="checkbox"/> PM |
| Environmental Contractor:<br>AEROSTAR  |  | Geologist's Name:<br>W.P. Davis                            |  | Environmental Technician's Name:            |  |
| Drilling Company:<br>WDC   |  | Pavement Thickness (inches):<br>N/A                        | Borehole Diameter (inches):<br>4"  | Borehole Depth (feet):<br>20                |  |
| Drilling Method(s):<br>SC  | Apparent Borehole DTW (in feet from soil moisture content):<br>15' | Measured Well DTW (in feet after water recharges in well): | OVA (list model and check type):<br>Photovac MicroFID <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID |   |  |
| Disposition of Drill Cuttings [check method(s)]:<br>(describe if other or multiple items are checked):   |  |  |  |   |  |
| <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other   |  |  |  |   |  |
| Borehole Completion (check one):<br><input checked="" type="checkbox"/> Well <input checked="" type="checkbox"/> Grout <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe) |  |  |  |   |  |

| Sample Type | Sample Depth Interval (feet) | Sample Recovery (inches) | SPT Blows (per six inches) | Unfiltered OVA | Filtered OVA | Net OVA | Depth (feet)  | Sample Description<br>(include grain size based on USCS, odors, staining, and other remarks) | Well Completion | Well Construction | Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval) |
|-------------|------------------------------|--------------------------|----------------------------|----------------|--------------|---------|---------------|--|-----------------|-------------------|--|
|             |                              |                          |                            |                |              |         |               |  |                 |                   |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 1<br>—<br>2   | Red-brown sandy, clayey, loam  | Grout           | Riser             |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 3<br>—<br>4   | Red-brown sandy, clayey, loam  |                 |                   | Sample taken from the 0-5 foot interval at 13:45   |
| SC          |                              |                          |                            | 0              | --           | 0       | 5<br>—<br>6   | Stiff, light brown silty clay  | Bentonite       | Riser             |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 7<br>—<br>8   | Stiff, light brown silty clay  |                 |                   | Sample taken from the 5-10 foot interval at 13:50  |
| SC          |                              |                          |                            | 0              | --           | 0       | 9<br>—<br>10  | Stiff, light brown silty clay  | Sand            | Riser             |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 11<br>—<br>12 | Stiff, light brown silty clay  |                 |                   | Screen   |

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings  
 Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated



# SOIL BORING LOG

|   |  |  |  |   |  |
|---|--|--|--|---|--|
| Boring/Well Number:<br>OMS-28-6   |  | Permit Number:<br>N/A                                      |  | FDEP Facility Identification Number:<br>N/A |  |
| Site Name:<br>OMS-28  |  | Borehole Start Date:<br>3/28/08                            | Borehole Start Time:<br>1300   | <input type="checkbox"/> AM                 | <input checked="" type="checkbox"/> PM |
|   |  | End Date:<br>3/28/08                                       | End Time:<br>1440  | <input type="checkbox"/> AM                 | <input checked="" type="checkbox"/> PM |
| Environmental Contractor:<br>AEROSTAR   |  | Geologist's Name:<br>W.P. Davis                            |  | Environmental Technician's Name:            |  |
| Drilling Company:<br>WDC  |  | Pavement Thickness (inches):<br>N/A                        | Borehole Diameter (inches):<br>4"  | Borehole Depth (feet):<br>75'               |  |
| Drilling Method(s):<br>SC   | Apparent Borehole DTW (in feet from soil moisture content):<br>14' | Measured Well DTW (in feet after water recharges in well): | OVA (list model and check type):<br>Photovac MicroFID <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID |   |  |
| Disposition of Drill Cuttings [check method(s)]:<br>(describe if other or multiple items are checked):  |  |  |  |   |  |
| <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other                      |  |  |  |   |  |
| Borehole Completion (check one):  |  |  |  |   |  |
| <input type="checkbox"/> Well <input checked="" type="checkbox"/> Grout <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe) |  |  |  |   |  |

| Sample Type | Sample Depth Interval (feet) | Sample Recovery (inches) | SPT Blows (per six inches) | Unfiltered OVA | Filtered OVA | Net OVA | Depth (feet) | Sample Description<br>(include grain size based on USCS, odors, staining, and other remarks) | Well Completion | Well Construction | Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval) |   |
|-------------|------------------------------|--------------------------|----------------------------|----------------|--------------|---------|--------------|--|-----------------|-------------------|--|---|
| SC          |                              |                          |                            | 26.0           | 1.5          | 24.5    | 1<br>2       | Dark brown silty clayey loam   | Grout           | Riser             | Sample taken from the 0-5 foot interval at 11:00   |   |
| SC          |                              |                          |                            | 26.0           | 1.5          | 24.5    | 3<br>4       | Dark brown silty clayey loam   |                 |                   |  |   |
| SC          |                              |                          |                            | 10.0           | 0.0          | 10.0    | 5<br>6       | Tan clayey sand  |                 |                   |  |   |
| SC          |                              |                          |                            | 10.0           | 0.0          | 10.0    | 7<br>8       | Tan clayey sand  |                 |                   |  | Sample taken from the 5-10 foot interval at 11:10 |
| SC          |                              |                          |                            | 10.0           | 0.0          | 10.0    | 9<br>10      | Tan clayey sand  |                 |                   |  |   |
| SC          |                              |                          |                            | 23.0           | 2.0          | 21.0    | 11<br>12     | Medium gray silty clay   |                 |                   |  |   |

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings  
 Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated



# SOIL BORING LOG

|  |  |  |  |   |                             |
|--|--|--|--|---|-----------------------------|
| Boring/Well Number:<br>OMS-28-5  |  | Permit Number:<br>N/A                                      |  | FDEP Facility Identification Number:<br>N/A |                             |
| Site Name:<br>OMS-28   |  | Borehole Start Date:<br>3/27/08                            | Borehole Start Time:<br>1025   | <input checked="" type="checkbox"/> AM      | <input type="checkbox"/> PM |
|  |  | End Date:<br>3/27/08                                       | End Time:<br>1100  | <input checked="" type="checkbox"/> AM      | <input type="checkbox"/> PM |
| Environmental Contractor:<br>AEROSTAR  |  | Geologist's Name:<br>W.P. Davis                            |  | Environmental Technician's Name:            |                             |
| Drilling Company:<br>WDC   |  | Pavement Thickness (inches):<br>N/A                        | Borehole Diameter (inches):<br>4"  | Borehole Depth (feet):<br>20                |                             |
| Drilling Method(s):<br>SC  | Apparent Borehole DTW (in feet from soil moisture content):<br>15' | Measured Well DTW (in feet after water recharges in well): | OVA (list model and check type):<br>Photovac MicroFID <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID |   |                             |
| Disposition of Drill Cuttings [check method(s)]:<br>(describe if other or multiple items are checked):   |  |  |  |   |                             |
| <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other   |  |  |  |   |                             |
| Borehole Completion (check one):<br><input checked="" type="checkbox"/> Well <input checked="" type="checkbox"/> Grout <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe) |  |  |  |   |                             |

| Sample Type | Sample Depth Interval (feet) | Sample Recovery (inches) | SPT Blows (per six inches) | Unfiltered OVA | Filtered OVA | Net OVA | Depth (feet) | Sample Description<br>(include grain size based on USCS, odors, staining, and other remarks) | Well Completion | Well Construction | Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval) |
|-------------|------------------------------|--------------------------|----------------------------|----------------|--------------|---------|--------------|--|-----------------|-------------------|--|
| SC          |                              |                          |                            | 0              | --           | 0       | 1<br>2       | Reddish-brown silty clay   | Grout           | Riser             |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 3<br>4       | Reddish-brown silty clay   |                 |                   |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 5<br>6       | Stiff red-brown clay   | Bentonite       |                   |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 7<br>8       | Stiff red-brown clay   |                 |                   |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 9<br>10      | Stiff red-brown clay   | Sand            |                   |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 11<br>12     | Stiff red-brown clay   |                 | Screen            |  |

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings  
 Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated



# SOIL BORING LOG

|   |  |  |  |   |  |
|---|--|--|--|---|--|
| Boring/Well Number:<br>OMS-28-4   |  | Permit Number:<br>N/A                                      |  | FDEP Facility Identification Number:<br>N/A |  |
| Site Name:<br>OMS-28  |  | Borehole Start Date:<br>3/27/08                            | Borehole Start Time:<br>1300   | <input type="checkbox"/> AM                 | <input checked="" type="checkbox"/> PM |
|   |  | End Date:<br>3/27/08                                       | End Time:<br>1440  | <input type="checkbox"/> AM                 | <input checked="" type="checkbox"/> PM |
| Environmental Contractor:<br>AEROSTAR   |  | Geologist's Name:<br>W.P. Davis                            |  | Environmental Technician's Name:            |  |
| Drilling Company:<br>WDC  |  | Pavement Thickness (inches):<br>N/A                        | Borehole Diameter (inches):<br>4"  | Borehole Depth (feet):<br>75'               |  |
| Drilling Method(s):<br>SC   | Apparent Borehole DTW (in feet from soil moisture content):<br>12' | Measured Well DTW (in feet after water recharges in well): | OVA (list model and check type):<br>Photovac MicroFID <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID |   |  |
| Disposition of Drill Cuttings [check method(s)]:<br>(describe if other or multiple items are checked):  |  |  |  |   |  |
| <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other                      |  |  |  |   |  |
| Borehole Completion (check one):  |  |  |  |   |  |
| <input type="checkbox"/> Well <input checked="" type="checkbox"/> Grout <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe) |  |  |  |   |  |

| Sample Type | Sample Depth Interval (feet) | Sample Recovery (inches) | SPT Blows (per six inches) | Unfiltered OVA | Filtered OVA | Net OVA | Depth (feet) | Sample Description<br>(include grain size based on USCS, odors, staining, and other remarks) | Well Completion | Well Construction | Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval) |
|-------------|------------------------------|--------------------------|----------------------------|----------------|--------------|---------|--------------|--|-----------------|-------------------|--|
| SC          |                              |                          |                            | 1.8            | 0.0          | 1.8     | 1<br>2       | Light red-brown clay.  | Grout           | Riser             | Sample taken from the 0-5 foot interval at 13:20--Dup #3 also taken.                         |
| SC          |                              |                          |                            | 1.8            | 0.0          | 1.8     | 3<br>4       | Light red-brown clay.  |                 |                   |  |
| SC          |                              |                          |                            | 1.0            | 0.0          | 1.0     | 5<br>6       | Gray clayey sand.  |                 |                   |  |
| SC          |                              |                          |                            | 1.0            | 0.0          | 1.0     | 7<br>8       | Gray clayey sand.  |                 |                   | Sample taken from the 5-10 foot interval at 13:30  |
| SC          |                              |                          |                            | 1.0            | 0.0          | 1.0     | 9<br>10      | Gray clayey sand.  |                 |                   |  |
| SC          |                              |                          |                            | 2.9            | 0.0          | 2.9     | 11<br>12     | Gray clayey sand.  |                 |                   |  |

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 Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated



# SOIL BORING LOG

|  |  |  |  |   |  |
|--|--|--|--|---|--|
| Boring/Well Number:<br>OMS-28-3  |  | Permit Number:<br>N/A                                      |  | FDEP Facility Identification Number:<br>N/A |  |
| Site Name:<br>OMS-28   |  | Borehole Start Date:<br>3/26/08                            | Borehole Start Time:<br>1315   | <input type="checkbox"/> AM                 | <input checked="" type="checkbox"/> PM |
|  |  | End Date:<br>3/26/08                                       | End Time:<br>1345  | <input type="checkbox"/> AM                 | <input checked="" type="checkbox"/> PM |
| Environmental Contractor:<br>AEROSTAR  |  | Geologist's Name:<br>W.P. Davis                            |  | Environmental Technician's Name:            |  |
| Drilling Company:<br>WDC   |  | Pavement Thickness (inches):<br>N/A                        | Borehole Diameter (inches):<br>4"  | Borehole Depth (feet):<br>20                |  |
| Drilling Method(s):<br>SC  | Apparent Borehole DTW (in feet from soil moisture content):<br>12' | Measured Well DTW (in feet after water recharges in well): | OVA (list model and check type):<br>Photovac MicroFID <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID |   |  |
| Disposition of Drill Cuttings [check method(s)]:<br>(describe if other or multiple items are checked):   |  |  |  |   |  |
| <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other   |  |  |  |   |  |
| Borehole Completion (check one):<br><input checked="" type="checkbox"/> Well <input checked="" type="checkbox"/> Grout <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe) |  |  |  |   |  |

| Sample Type | Sample Depth Interval (feet) | Sample Recovery (inches) | SPT Blows (per six inches) | Unfiltered OVA | Filtered OVA | Net OVA | Depth (feet) | Sample Description<br>(include grain size based on USCS, odors, staining, and other remarks) | Well Completion | Well Construction | Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval) |
|-------------|------------------------------|--------------------------|----------------------------|----------------|--------------|---------|--------------|--|-----------------|-------------------|--|
| SC          |                              |                          |                            | 0              | --           | 0       | 1<br>2       | Light brown silty clayey loam  | Grout           | Riser             |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 3<br>4       | Light brown silty clayey loam  |                 |                   | Sample taken from the 0-5 foot interval at 13:20   |
| SC          |                              |                          |                            | 0              | --           | 0       | 5<br>6       | Light brown silty clayey loam  | Bentonite       |                   |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 7<br>8       | Very moist dark gray silty clay  |                 |                   | Sample taken from the 5-10 foot interval at 13:25  |
| SC          |                              |                          |                            | 0              | --           | 0       | 9<br>10      | Very moist dark gray silty clay  | Sand            |                   |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 11<br>12     | Mottled gray and orange clayey sand. Wet   |                 | Screen            |  |

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings  
 Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated



# SOIL BORING LOG

|  |  |  |  |   |                             |
|--|--|--|--|---|-----------------------------|
| Boring/Well Number:<br>OMS-28-2  |  | Permit Number:<br>N/A                                      |  | FDEP Facility Identification Number:<br>N/A |                             |
| Site Name:<br>OMS-28   |  | Borehole Start Date:<br>3/27/08                            | Borehole Start Time:<br>0830   | <input checked="" type="checkbox"/> AM      | <input type="checkbox"/> PM |
|  |  | End Date:<br>3/27/08                                       | End Time:<br>0845  | <input checked="" type="checkbox"/> AM      | <input type="checkbox"/> PM |
| Environmental Contractor:<br>AEROSTAR  |  | Geologist's Name:<br>W.P. Davis                            |  | Environmental Technician's Name:            |                             |
| Drilling Company:<br>WDC   |  | Pavement Thickness (inches):<br>N/A                        | Borehole Diameter (inches):<br>4"  | Borehole Depth (feet):<br>20                |                             |
| Drilling Method(s):<br>SC  | Apparent Borehole DTW (in feet from soil moisture content):<br>15' | Measured Well DTW (in feet after water recharges in well): | OVA (list model and check type):<br>Photovac MicroFID <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID |   |                             |
| Disposition of Drill Cuttings [check method(s)]:<br>(describe if other or multiple items are checked):   |  |  |  |   |                             |
| <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other                                 |  |  |  |   |                             |
| Borehole Completion (check one):   |  |  |  |   |                             |
| <input checked="" type="checkbox"/> Well <input checked="" type="checkbox"/> Grout <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe) |  |  |  |   |                             |

| Sample Type | Sample Depth Interval (feet) | Sample Recovery (inches) | SPT Blows (per six inches) | Unfiltered OVA | Filtered OVA | Net OVA | Depth (feet) | Sample Description<br>(include grain size based on USCS, odors, staining, and other remarks) | Well Completion | Well Construction | Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval) |
|-------------|------------------------------|--------------------------|----------------------------|----------------|--------------|---------|--------------|--|-----------------|-------------------|--|
| SC          |                              |                          |                            | 0              | --           | 0       | 1<br>2       | Reddish-brown silty clayey loam  | Grout           | Riser             |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 3<br>4       | Reddish-brown silty clayey loam  |                 |                   | Sample taken from the 0-5 foot interval at 08:45--Dup #1 & Split Sample also taken           |
| SC          |                              |                          |                            | 0              | --           | 0       | 5<br>6       | Stiff light brown clay.  | Bentonite       |                   |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 7<br>8       | Stiff light brown clay.  |                 |                   | Sample taken from the 5-10 foot interval at 08:50-- Split Sample also taken                  |
| SC          |                              |                          |                            | 0              | --           | 0       | 9<br>10      | Stiff light brown clay.  | Sand            |                   |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 11<br>12     | Light brown clay. Very moist   |                 | Screen            |  |

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings  
 Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated



# SOIL BORING LOG

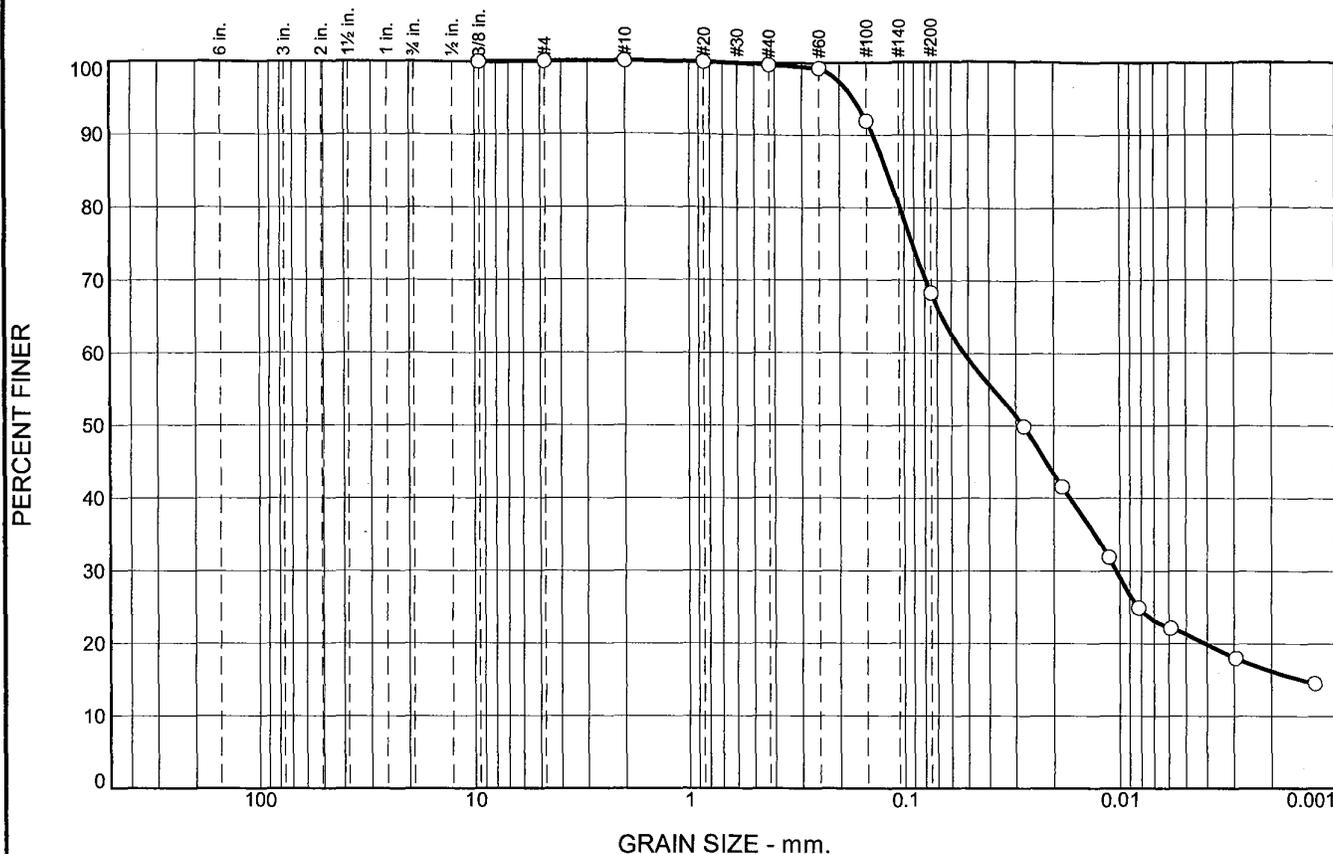
|  |  |  |  |   |  |
|--|--|--|--|---|--|
| Boring/Well Number:<br>OMS-28-1  |  | Permit Number:<br>N/A                                      |  | FDEP Facility Identification Number:<br>N/A |  |
| Site Name:<br>OMS-28   |  | Borehole Start Date:<br>6/6/08                             | Borehole Start Time:<br>0730   | <input checked="" type="checkbox"/> AM      | <input type="checkbox"/> PM            |
|  |  | End Date:<br>6/6/08  | End Time:<br>1400  | <input type="checkbox"/> AM                 | <input checked="" type="checkbox"/> PM |
| Environmental Contractor:<br>AEROSTAR  |  | Geologist's Name:<br>W.P. Davis                            |  | Environmental Technician's Name:            |  |
| Drilling Company:<br>WDC   |  | Pavement Thickness (inches):<br>N/A                        | Borehole Diameter (inches):<br>8"  | Borehole Depth (feet):<br>80                |  |
| Drilling Method(s):<br>SC  | Apparent Borehole DTW (in feet from soil moisture content):<br>12' | Measured Well DTW (in feet after water recharges in well): | OVA (list model and check type):<br>Photovac MicroFID <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID |   |  |
| Disposition of Drill Cuttings [check method(s)]:<br>(describe if other or multiple items are checked):   |  |  |  |   |  |
| <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other                                 |  |  |  |   |  |
| Borehole Completion (check one):   |  |  |  |   |  |
| <input checked="" type="checkbox"/> Well <input checked="" type="checkbox"/> Grout <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe) |  |  |  |   |  |

| Sample Type | Sample Depth Interval (feet) | Sample Recovery (inches) | SPT Blows (per six inches) | Unfiltered OVA | Filtered OVA | Net OVA | Depth (feet) | Sample Description<br>(include grain size based on USCS, odors, staining, and other remarks) | Well Completion | Well Construction | Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval) |
|-------------|------------------------------|--------------------------|----------------------------|----------------|--------------|---------|--------------|--|-----------------|-------------------|--|
| SC          |                              |                          |                            | 0              | --           | 0       | 1<br>2       | Reddish-brown silty clayey loam  | Grout           | Riser             |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 3<br>4       | Reddish-brown silty clayey loam  |                 |                   | Sample taken from the 0-5 foot interval at 10:00   |
| SC          |                              |                          |                            | 0              | --           | 0       | 5<br>6       | Dark gray silty loam   |                 |                   |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 7<br>8       | Dark gray silty loam   |                 |                   | Sample taken from the 5-10 foot interval at 10:05  |
| SC          |                              |                          |                            | 0              | --           | 0       | 9<br>10      | Dark gray silty loam   |                 |                   |  |
| SC          |                              |                          |                            | 0              | --           | 0       | 11<br>12     | Red-brown clayey sand  |                 |                   | Sample taken from the 10-15 foot interval at 10:10   |

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings  
 Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

**APPENDIX C**  
**SOIL GEOTECHNICAL LABORATORY RESULTS**

# Particle Size Distribution Report



| % +3" | % Gravel |      | % Sand |        |      | % Fines |      |
|-------|----------|------|--------|--------|------|---------|------|
|       | Coarse   | Fine | Coarse | Medium | Fine | Silt    | Clay |
| 0.0   | 0.0      | 0.0  | 0.0    | 0.3    | 31.4 | 47.0    | 21.3 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|------------|---------------|----------------|--------------|
| .375       | 100.0         |                |              |
| #4         | 100.0         |                |              |
| #10        | 100.0         |                |              |
| #20        | 99.9          |                |              |
| #40        | 99.7          |                |              |
| #60        | 99.2          |                |              |
| #100       | 91.9          |                |              |
| #200       | 68.3          |                |              |

**Material Description**

Dark grayish brown and yellowish brown CLAYEY fine SAND, with trace ORGANICS

**Atterberg Limits**

PL=                      LL=                      PI=

**Coefficients**

D<sub>85</sub>= 0.1202      D<sub>60</sub>= 0.0523      D<sub>50</sub>= 0.0277  
D<sub>30</sub>= 0.0104      D<sub>15</sub>= 0.0014      D<sub>10</sub>=  
C<sub>u</sub>=                      C<sub>c</sub>=

**Classification**

USCS= SC                      AASHTO=

**Remarks**

\* (no specification provided)

Location: Surface  
Sample Number: Lab #

Date: 4/5/08

|   |  |
|---|--|
| <b>Thompson Engineering</b><br><br><b>Mobile, Alabama</b> | <b>Client:</b> Aerostar<br><b>Project:</b> OMS 28<br><br><b>Project No:</b> 0821230019 |
|---|--|

**Figure**



thompson  
ENGINEERING

CLIENT: Aerostar  
PROJECT: OMS 28

JOB #: 08-2123-0019  
LAB #:

**REPORT OF: LABORATORY DETERMINATION OF BULK DENSITY, POROSITY, MOISTURE  
CONTENT, and SPECIFIC GRAVITY**

**SAMPLE IDENTIFICATION: SURFACE**

**SAMPLE DESCRIPTION: Dark grayish brown and yellowish brown CLAYEY fine SAND, with trace OR**

DATES  
SAMPLED: 3/28/08  
TESTED: 3/31/08

TECHNICIAN  
SAMPLED: Client  
TESTED: R.B.

.... LABORATORY RESULTS ....

|   |               |
|---|---------------|
| (a): SAMPLE HEIGHT (cm): .....                | 13.970        |
| (b): SAMPLE DIAMETER (cm): .....              | 7.036         |
| (c): SAMPLE AREA (cm <sup>2</sup> ): .....    | 38.881        |
| (d): SAMPLE VOLUME (cm <sup>3</sup> ): .....  | 543.173       |
| (e): MASS OF WET SPECIMEN (g):.....           | 1215.69       |
| (f): MASS OF DRY SPECIMEN (g):.....           | 1026.23       |
| (g): MASS OF CONTAINER (g):.....              | 404.85        |
| (h): MASS OF CONTAINER & WET SAMPLE (g):..... | 1620.54       |
| (i): MASS OF CONTAINER & DRY SAMPLE (g):..... | 1431.08       |
| (j): MASS OF WATER (g):.....                  | 189.46        |
| (k): MASS OF DRY SAMPLE (g):.....             | 1026.23       |
| (l): WATER CONTENT (%):.....                  | <b>18.46</b>  |
| (m): WET BULK DENSITY (PCF): .....            | <b>139.66</b> |
| (n): DRY BULK DENSITY (PCF): .....            | <b>117.89</b> |
| (o): SPECIFIC GRAVITY OF SOIL .....           | 2.647         |
| (p): VOLUME OF SOIL:.....                     | 387.70        |
| (q): VOLUME OF VOIDS:.....                    | 155.48        |
| (r): VOID RATIO:.....                         | 0.40          |
| (s): POROSITY:.....                           | <b>0.29</b>   |

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MATERIALS ENGINEERING LABORATORY

**MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS  
USING A FLEXIBLE WALL PERMEAMETER  
ASTM D-5084**

Project No. : 08-2123-0019

Sample No.: Surface

Completion Date: 4/15/2008

Technician: J. Maddox

Specimen Visual Description: Yellowish brown CLAYEY SAND (SC)

|   |        |                                       |        |
|---|--------|---------------------------------------|--------|
| Penetrometer Unconfined Compressive Strength (psf): | N/A    | Est. Vertical Effective Stress (psf): |        |
|   |        | Sample Depth (Ft.):                   | 0.0    |
| Initial Moist Wt. (gms):                            | 440.10 | Final Moist Wt. (gms):                | 440.67 |
| Initial Moisture Content (%):                       | 15.34  | Final Moisture Content (%):           | 16.46  |
| Initial Moist Unit Weight (pcf):                    | 135.1  | Final Moist Unit Weight (pcf):        | 135.29 |
| Initial Dry Unit Weight (pcf):                      | 117.1  | Final Dry Unit Weight (pcf):          | 116.2  |
| Initial Void Ratio (e):                             | 0.417  | Final Void Ratio (e):                 | 0.429  |
| Initial Deg of Saturation (%):                      | 97.9   | Final Deg of Saturation (%):          | 102.1  |
| Specific Gravity of Solids:                         | 2.66   |                                       |        |

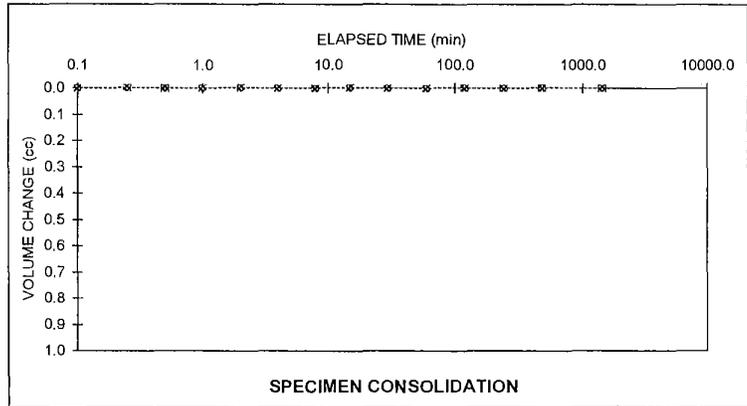
**SPECIMEN SATURATION**

|                              |           |       |                               |      |
|------------------------------|-----------|-------|-------------------------------|------|
| Date / Time Initiated:       | 4/11/2008 | 15:20 | Final Chamber Pressure (psi): | 52.0 |
| Date / Time Completed:       | 4/16/2008 | 8:30  | Final Back-Pressure (psi):    | 50.0 |
| Back-Pressure Duration(min): | 6790      |       | Resulting B Value:            | 0.99 |

**SPECIMEN CONSOLIDATION**

|                               |        |   |        |
|-------------------------------|--------|---|--------|
| Date / Time Initiated:        |        | Final Chamber Pressure (psi):           | 52.0   |
| Date / Time Completed:        |        | Final Back-Pressure (psi):              | 50.0   |
|                               |        | Actual Vertical Effective Stress (psf): | 288.0  |
| Initial Specimen Volume (cc): | 203.16 | Final Specimen Volume (cc):             | 203.16 |
| Initial Specimen Height (cm): | 5.501  | Final Specimen Height (cm):             | 5.501  |
| Initial Specimen Diam (cm):   | 6.858  | Final Specimen Diam (cm):               | 6.858  |

| CHAMBER BURETTE | ELAPSED TIME | VOLUME CHANGE |
|-----------------|--------------|---------------|
| (ml)            | (min)        | (cc)          |
| 14.20           | 0.00         | 0.00          |
| 14.20           | 0.10         | 0.00          |
| 14.20           | 0.25         | 0.00          |
| 14.20           | 0.50         | 0.00          |
| 14.20           | 1.00         | 0.00          |
| 14.20           | 2.00         | 0.00          |
| 14.20           | 4.00         | 0.00          |
| 14.20           | 8.00         | 0.00          |
| 14.20           | 15.00        | 0.00          |
| 14.20           | 30.00        | 0.00          |
| 14.20           | 60.00        | 0.00          |
| 14.20           | 120.00       | 0.00          |
| 14.20           | 240.00       | 0.00          |
| 14.20           | 480.00       | 0.00          |
| 14.20           | 1440.00      | 0.00          |



**SPECIMEN PERMEATION**

Date / Time Initiated: 4/16/2008 8:34

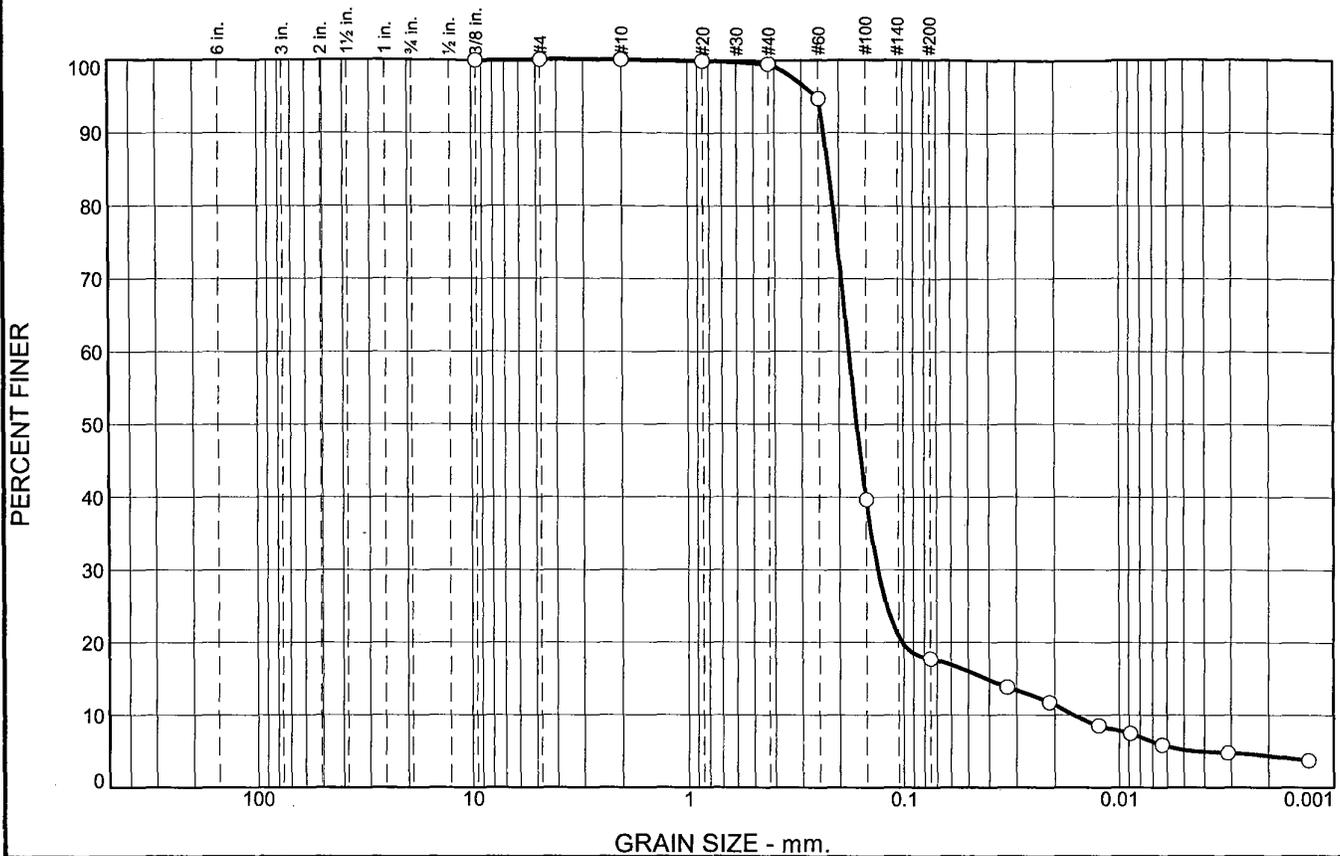
| ELAPSED TIME | CHAMBER BURETTE | CHAMBER PRESSURE | VOLUME CHANGE | INFLUENT BURETTE | REGULATED INFLUENT PRESSURE | EFFLUENT BURETTE | REGULATED EFFLUENT PRESSURE | TEMP.    |
|--------------|-----------------|------------------|---------------|------------------|-----------------------------|------------------|-----------------------------|----------|
| (min)        | (ml)            | (psi)            | (cc)          | (ml)             | (psi)                       | (ml)             | (psi)                       | (deg. C) |
| 0            | 14.2            | 27.0             | 0.0           | 0.4              | 25.0                        | 24.7             | 25.0                        | 21.5     |
| 66           | 14.2            | 27.0             | 0.0           | 3.2              | 25.0                        | 21.8             | 25.0                        | 21.0     |
| 104          | 14.2            | 27.0             | 0.0           | 4.8              | 25.0                        | 20.1             | 25.0                        | 21.0     |
| 135          | 14.2            | 27.0             | 0.0           | 6.1              | 25.0                        | 18.9             | 25.0                        | 21.5     |
| 158          | 14.2            | 27.0             | 0.0           | 6.9              | 25.0                        | 18.1             | 25.0                        | 21.5     |
| 204          | 14.2            | 27.0             | 0.0           | 8.2              | 25.0                        | 16.7             | 25.0                        | 22.0     |
| 342          | 14.2            | 27.0             | 0.0           | 10.5             | 25.0                        | 14.5             | 25.0                        | 22.5     |

| ELAPSED TIME | INFLUENT HEAD | EFFLUENT HEAD | SPECIMEN HEIGHT | SPECIMEN DIAMETER | GRADIENT | WATER VISCOSITY CORRECTION | PERMEABILITY          |
|--------------|---------------|---------------|-----------------|-------------------|----------|----------------------------|-----------------------|
| (min)        | (cm)          | (cm)          | (cm)            | (cm)              | (h/l)    |                            | cm/sec (k. 20 Deg. C) |
| 0            | 1791.8        | 1763.5        | 5.50            | 6.86              | 5.1      | 0.9678                     |                       |
| 66           | 1788.4        | 1766.9        | 5.50            | 6.86              | 3.9      | 0.9801                     | 5.17E-06              |
| 104          | 1786.6        | 1768.8        | 5.50            | 6.86              | 3.2      | 0.9801                     | 6.55E-06              |
| 135          | 1785.1        | 1770.2        | 5.50            | 6.86              | 2.7      | 0.9678                     | 7.29E-06              |
| 158          | 1784.2        | 1771.2        | 5.50            | 6.86              | 2.4      | 0.9678                     | 7.31E-06              |
| 204          | 1782.6        | 1772.8        | 5.50            | 6.86              | 1.8      | 0.9556                     | 7.50E-06              |
| 342          | 1780.0        | 1775.4        | 5.50            | 6.86              | 0.8      | 0.9433                     | 6.86E-06              |

**AVERAGE PERMEABILITY (cm/sec): 6.78E-06**

# Particle Size Distribution Report



| % +3" | % Gravel |      | % Sand |        |      | % Fines |      |
|-------|----------|------|--------|--------|------|---------|------|
|       | Coarse   | Fine | Coarse | Medium | Fine | Silt    | Clay |
| 0.0   | 0.0      | 0.0  | 0.0    | 0.5    | 81.8 | 12.5    | 5.2  |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|------------|---------------|----------------|--------------|
| .375       | 100.0         |                |              |
| #4         | 100.0         |                |              |
| #10        | 100.0         |                |              |
| #20        | 99.9          |                |              |
| #40        | 99.5          |                |              |
| #60        | 94.7          |                |              |
| #100       | 39.7          |                |              |
| #200       | 17.7          |                |              |

**Material Description**  
Yellowish brown SILTY fine SAND

**Atterberg Limits**  
 PL=                      LL=                      PI=

**Coefficients**  
 D<sub>85</sub>= 0.2234      D<sub>60</sub>= 0.1802      D<sub>50</sub>= 0.1656  
 D<sub>30</sub>= 0.1323      D<sub>15</sub>= 0.0412      D<sub>10</sub>= 0.0162  
 C<sub>u</sub>= 11.13              C<sub>c</sub>= 6.00

**Classification**  
 USCS= SM                      AASHTO=

**Remarks**

\* (no specification provided)

Location: 10 Foot  
Sample Number: Lab #

Date: 4/5/08

|   |   |
|---|---|
| <b>Thompson Engineering</b><br><br><b>Mobile, Alabama</b> | Client: Aerostar<br>Project: OMS 28<br><br>Project No: 0821230019<br><br>Figure |
|---|---|



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ENGINEERING

CLIENT: Aerostar  
PROJECT: OMS 28

JOB #: 08-2123-0019  
LAB #:

**REPORT OF: LABORATORY DETERMINATION OF BULK DENSITY, POROSITY, MOISTURE  
CONTENT, and SPECIFIC GRAVITY**

**SAMPLE IDENTIFICATION: 10 - FOOT**  
**SAMPLE DESCRIPTION: Yellowish brown SILTY fine SAND**

**DATES**  
SAMPLED: 3/28/08  
TESTED: 3/31/08

**TECHNICIAN**  
SAMPLED: Client  
TESTED: R.B.

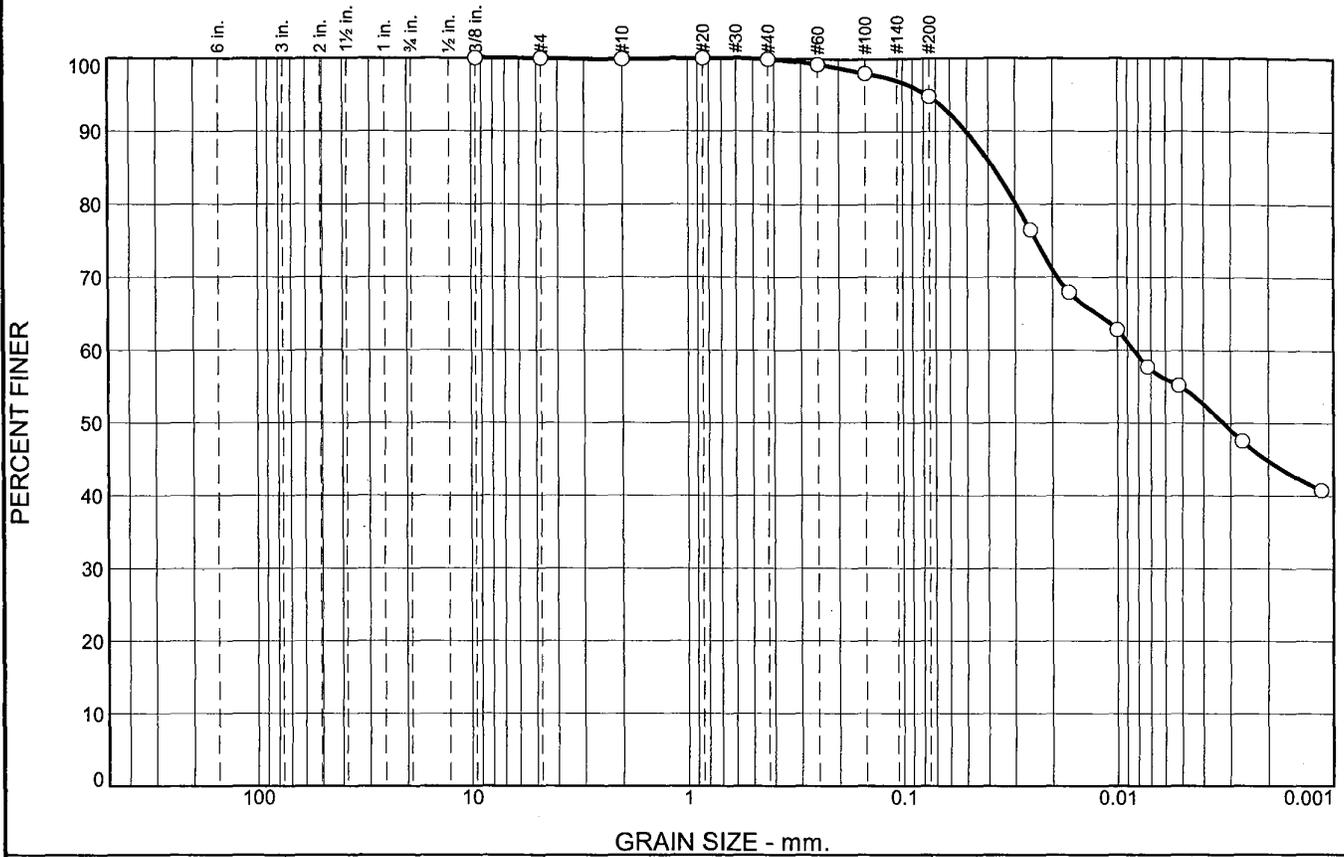
.... LABORATORY RESULTS ....

|   |               |
|---|---------------|
| (a): SAMPLE HEIGHT (cm): .....                | 13.440        |
| (b): SAMPLE DIAMETER (cm): .....              | 6.970         |
| (c): SAMPLE AREA (cm <sup>2</sup> ): .....    | 38.155        |
| (d): SAMPLE VOLUME (cm <sup>3</sup> ): .....  | 512.808       |
| (e): MASS OF WET SPECIMEN (g):.....           | 1061.86       |
| (f): MASS OF DRY SPECIMEN (g):.....           | 863.04        |
| (g): MASS OF CONTAINER (g):.....              | 392.60        |
| (h): MASS OF CONTAINER & WET SAMPLE (g):..... | 1454.46       |
| (i): MASS OF CONTAINER & DRY SAMPLE (g):..... | 1255.64       |
| (j): MASS OF WATER (g):.....                  | 198.82        |
| (k): MASS OF DRY SAMPLE (g):.....             | 863.04        |
| (l): WATER CONTENT (%):.....                  | <b>23.04</b>  |
| (m): WET BULK DENSITY (PCF): .....            | <b>129.21</b> |
| (n): DRY BULK DENSITY (PCF): .....            | <b>105.02</b> |
| (o): SPECIFIC GRAVITY OF SOIL .....           | 2.623         |
| (p): VOLUME OF SOIL:.....                     | 329.03        |
| (q): VOLUME OF VOIDS:.....                    | 183.78        |
| (r): VOID RATIO:.....                         | 0.56          |
| (s): POROSITY:.....                           | <b>0.36</b>   |

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**MATERIALS ENGINEERING LABORATORY**

# Particle Size Distribution Report



| % +3" | % Gravel |      | % Sand |        |      | % Fines |      |
|-------|----------|------|--------|--------|------|---------|------|
|       | Coarse   | Fine | Coarse | Medium | Fine | Silt    | Clay |
| 0.0   | 0.0      | 0.0  | 0.0    | 0.2    | 5.0  | 39.9    | 54.9 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|------------|---------------|----------------|--------------|
| .375       | 100.0         |                |              |
| #4         | 100.0         |                |              |
| #10        | 100.0         |                |              |
| #20        | 100.0         |                |              |
| #40        | 99.8          |                |              |
| #60        | 99.3          |                |              |
| #100       | 98.1          |                |              |
| #200       | 94.8          |                |              |

**Material Description**

Gray CLAY

**Atterberg Limits**  
 PL=                      LL=                      PI=

**Coefficients**  
 D<sub>85</sub>= 0.0378      D<sub>60</sub>= 0.0084      D<sub>50</sub>= 0.0032  
 D<sub>30</sub>=                      D<sub>15</sub>=                      D<sub>10</sub>=  
 C<sub>u</sub>=                      C<sub>c</sub>=

**Classification**  
 USCS= CL                      AASHTO=

**Remarks**

\* (no specification provided)

Location: 35 Foot  
 Sample Number: Lab #

Date: 4/5/08

|  |   |
|--|---|
| <b>Thompson Engineering</b><br><br>Mobile, Alabama | Client: Aerostar<br>Project: OMS 28<br><br>Project No: 0821230019 |
|--|---|

Figure



thompson  
ENGINEERING

CLIENT: Aerostar  
PROJECT: OMS 28

JOB #: 08-2123-0019  
LAB #:

**REPORT OF: LABORATORY DETERMINATION OF BULK DENSITY, POROSITY, MOISTURE  
CONTENT, and SPECIFIC GRAVITY**

**SAMPLE IDENTIFICATION: 35 - FOOT**  
**SAMPLE DESCRIPTION: Gray CLAY**

DATES  
SAMPLED: 3/28/08  
TESTED: 3/31/08

TECHNICIAN  
SAMPLED: Client  
TESTED: R.B.

.... LABORATORY RESULTS ....

|   |               |
|---|---------------|
| (a): SAMPLE HEIGHT (cm): .....                | 13.840        |
| (b): SAMPLE DIAMETER (cm): .....              | 6.990         |
| (c): SAMPLE AREA (cm <sup>2</sup> ): .....    | 38.375        |
| (d): SAMPLE VOLUME (cm <sup>3</sup> ): .....  | 531.105       |
| (e): MASS OF WET SPECIMEN (g):.....           | 1083.51       |
| (f): MASS OF DRY SPECIMEN (g):.....           | 800.87        |
| (g): MASS OF CONTAINER (g):.....              | 409.15        |
| (h): MASS OF CONTAINER & WET SAMPLE (g):..... | 1492.66       |
| (i): MASS OF CONTAINER & DRY SAMPLE (g):..... | 1210.02       |
| (j): MASS OF WATER (g):.....                  | 282.64        |
| (k): MASS OF DRY SAMPLE (g):.....             | 800.87        |
| (l): WATER CONTENT (%):.....                  | <b>35.29</b>  |
| (m): WET BULK DENSITY (PCF): .....            | <b>127.30</b> |
| (n): DRY BULK DENSITY (PCF): .....            | <b>94.10</b>  |
| (o): SPECIFIC GRAVITY OF SOIL .....           | 2.662         |
| (p): VOLUME OF SOIL:.....                     | 300.85        |
| (q): VOLUME OF VOIDS:.....                    | 230.25        |
| (r): VOID RATIO:.....                         | 0.77          |
| (s): POROSITY:.....                           | <b>0.43</b>   |

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Mobile, AL 36609  
251.666.2443 ph. / 251.665.5491 f  
www.thompsonengineering.com

MATERIALS ENGINEERING LABORATORY

**MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS  
USING A FLEXIBLE WALL PERMEAMETER  
ASTM D-5084**

Project No. : 08-2123-0019

Sample No.: 35 ft

Completion Date: 4/15/2008

Technician: J. Maddox

Soil Description: Gray CLAY with SAND lenses and trace ORGANICS

Water Unconfined

Est. Vertical Effective Stress (psf):

Water Strength (psf): N/A

Sample Depth (Ft.): 0.0

Moist Wt. (gms): 357.20

Final Moist Wt. (gms): 355.76

Moisture Content (%): 35.23

Final Moisture Content (%): 39.96

Moist Unit Weight (pcf): 117.1

Final Moist Unit Weight (pcf): 116.60

Dry Unit Weight (pcf): 86.6

Final Dry Unit Weight (pcf): 83.3

Void Ratio (e): 0.917

Final Void Ratio (e): 0.992

Saturation (%): 102.2

Final Deg of Saturation (%): 107.1

Specific Gravity of Solids: 2.66

**PERMEATION**

Test / Time Initiated: 4/9/2008 15:00

Final Chamber Pressure (psi): 52.0

Test / Time Completed: 4/10/2008 15:08

Final Back-Pressure (psi): 50.0

Test / Duration (min): 1448

Resulting B Value: 0.99

**CONSOLIDATION**

Test / Time Initiated:

Final Chamber Pressure (psi): 52.0

Test / Time Completed:

Final Back-Pressure (psi): 50.0

Initial Specimen Volume (cc): 190.30

Final Specimen Volume (cc): 190.30

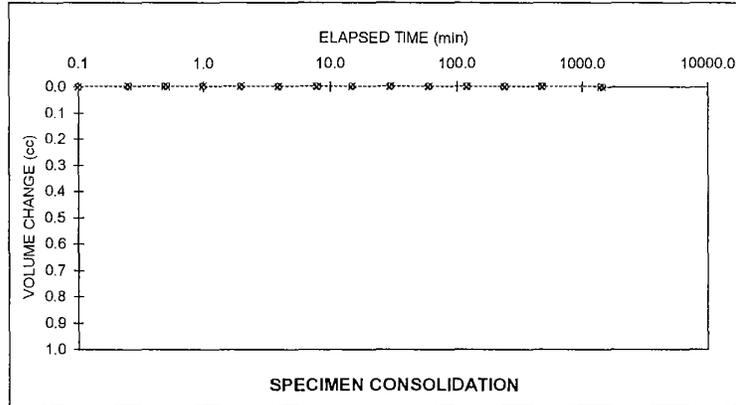
Initial Specimen Height (cm): 5.242

Final Specimen Height (cm): 5.242

Initial Specimen Diam (cm): 6.799

Final Specimen Diam (cm): 6.799

| CHAMBER BURETTE (ml) | ELAPSED TIME (min) | VOLUME CHANGE (cc) |
|----------------------|--------------------|--------------------|
| 11.30                | 0.00               | 0.00               |
| 11.30                | 0.10               | 0.00               |
| 11.30                | 0.25               | 0.00               |
| 11.30                | 0.50               | 0.00               |
| 11.30                | 1.00               | 0.00               |
| 11.30                | 2.00               | 0.00               |
| 11.30                | 4.00               | 0.00               |
| 11.30                | 8.00               | 0.00               |
| 11.30                | 15.00              | 0.00               |
| 11.30                | 30.00              | 0.00               |
| 11.30                | 60.00              | 0.00               |
| 11.30                | 120.00             | 0.00               |
| 11.30                | 240.00             | 0.00               |
| 11.30                | 480.00             | 0.00               |
| 11.30                | 1440.00            | 0.00               |



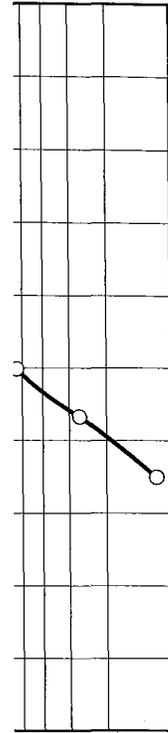
**PERMEATION**

Date / Time Initiated: 4/11/2008 7:48

| ELAPSED TIME (min) | CHAMBER BURETTE (ml) | CHAMBER PRESSURE (psi) | VOLUME CHANGE (cc) | INFLUENT BURETTE (ml) | REGULATED INFLUENT PRESSURE (psi) | EFFLUENT BURETTE (ml) | EFFLUENT REGULATED PRESSURE (psi) | TEMP. (deg. C) |
|--------------------|----------------------|------------------------|--------------------|-----------------------|-----------------------------------|-----------------------|-----------------------------------|----------------|
| 0                  | 12.1                 | 52.0                   | 0.0                | 0.3                   | 50.0                              | 24.5                  | 50.0                              | 21.5           |
| 499                | 12.2                 | 52.0                   | 0.1                | 0.3                   | 50.0                              | 24.4                  | 50.0                              | 22.0           |
| 4337               | 13.7                 | 52.0                   | 1.6                | 0.8                   | 50.0                              | 23.9                  | 50.0                              | 20.5           |
| 6266               | 14.1                 | 52.0                   | 2.0                | 1.1                   | 50.0                              | 23.7                  | 50.0                              | 22.0           |
| 7229               | 14.3                 | 52.0                   | 2.2                | 1.2                   | 50.0                              | 23.5                  | 50.0                              | 20.5           |

| ELAPSED TIME (min) | INFLUENT HEAD (cm) | EFFLUENT HEAD (cm) | SPECIMEN HEIGHT (cm) | SPECIMEN DIAMETER (cm) | WATER GRADIENT (h/l) | WATER VISCOSITY CORRECTION | PERMEABILITY (cm/sec @ 20 Deg. C) |
|--------------------|--------------------|--------------------|----------------------|------------------------|----------------------|----------------------------|-----------------------------------|
| 0                  | 3553.8             | 3525.7             | 5.24                 | 6.80                   | 5.4                  | 0.9678                     |                                   |
| 499                | 3553.8             | 3525.9             | 5.24                 | 6.80                   | 5.3                  | 0.9556                     | 1.01E-08                          |
| 4337               | 3553.2             | 3526.4             | 5.22                 | 6.79                   | 5.1                  | 0.9923                     | 1.35E-08                          |
| 6266               | 3552.9             | 3526.7             | 5.21                 | 6.78                   | 5.0                  | 0.9556                     | 1.39E-08                          |
| 7229               | 3552.8             | 3526.9             | 5.21                 | 6.78                   | 5.0                  | 0.9923                     | 1.70E-08                          |

**AVERAGE PERMEABILITY (cm/sec): 1.36E-08**



5  
Clay  
49.2

= 0.0053

: 4/5/08



thompson  
ENGINEERING

CLIENT: Aerostar  
PROJECT: OMS 28

JOB #: 08-2123-0019  
LAB #:

**REPORT OF: LABORATORY DETERMINATION OF BULK DENSITY, POROSITY, MOISTURE  
CONTENT, and SPECIFIC GRAVITY**

**SAMPLE IDENTIFICATION: 105 - FOOT**  
**SAMPLE DESCRIPTION: Gray CLAY**

**DATES**  
SAMPLED: 3/28/08  
TESTED: 3/31/08

**TECHNICIAN**  
SAMPLED: Client  
TESTED: R.B.

.... LABORATORY RESULTS ....

|   |               |
|---|---------------|
| (a): SAMPLE HEIGHT (cm): .....                | 13.970        |
| (b): SAMPLE DIAMETER (cm): .....              | 7.040         |
| (c): SAMPLE AREA (cm <sup>2</sup> ): .....    | 38.926        |
| (d): SAMPLE VOLUME (cm <sup>3</sup> ): .....  | 543.790       |
| (e): MASS OF WET SPECIMEN (g):.....           | 1107.67       |
| (f): MASS OF DRY SPECIMEN (g):.....           | 822.08        |
| (g): MASS OF CONTAINER (g):.....              | 405.30        |
| (h): MASS OF CONTAINER & WET SAMPLE (g):..... | 1512.97       |
| (i): MASS OF CONTAINER & DRY SAMPLE (g):..... | 1227.38       |
| (j): MASS OF WATER (g):.....                  | 285.59        |
| (k): MASS OF DRY SAMPLE (g):.....             | 822.08        |
| (l): WATER CONTENT (%):.....                  | <b>34.74</b>  |
| (m): WET BULK DENSITY (PCF): .....            | <b>127.11</b> |
| (n): DRY BULK DENSITY (PCF): .....            | <b>94.33</b>  |
| (o): SPECIFIC GRAVITY OF SOIL .....           | 2.662         |
| (p): VOLUME OF SOIL:.....                     | 308.82        |
| (q): VOLUME OF VOIDS:.....                    | 234.97        |
| (r): VOID RATIO:.....                         | 0.76          |
| (s): POROSITY:.....                           | <b>0.43</b>   |

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MATERIALS ENGINEERING LABORATORY

**MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS  
USING A FLEXIBLE WALL PERMEAMETER  
ASTM D-5084**

Project No. : 08-2123-0019

Sample No.: 105 FT

Completion Date: 4/15/2008

Technician: J. Maddox

Specimen Visual Description: Gray CLAY

Penetrometer Unconfined  
Compressive Strength (psf): N/A

Est. Vertical Effective Stress (psf):  
Sample Depth (Ft.): 0.0

Initial Moist Wt. (gms): 359.20  
Initial Moisture Content (%): 35.56  
Initial Moist Unit Weight (pcf): 115.7  
Initial Dry Unit Weight (pcf): 85.3  
Initial Void Ratio (e): 0.945  
Initial Deg of Saturation (%): 100.1  
Specific Gravity of Solids: 2.66

Final Moist Wt. (gms): 364.29  
Final Moisture Content (%): 40.00  
Final Moist Unit Weight (pcf): 117.33  
Final Dry Unit Weight (pcf): 83.8  
Final Void Ratio (e): 0.981  
Final Deg of Saturation (%): 108.5

**SPECIMEN SATURATION**

Date / Time Initiated: 4/9/2008 15:00  
Date / Time Completed: 4/9/2008 15:05  
Back-Pressure Duration(min): 5

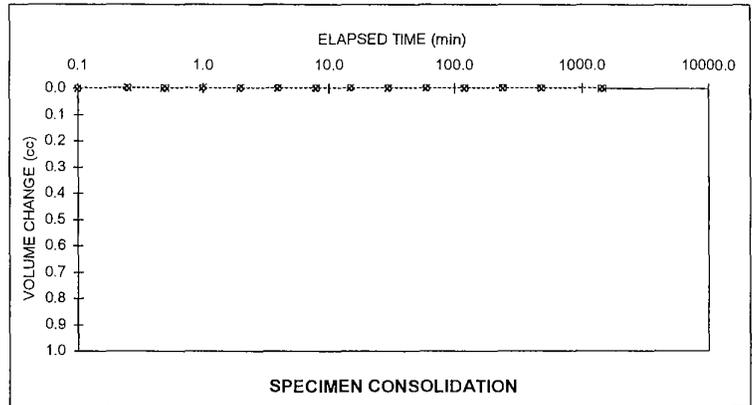
Final Chamber Pressure (psi): 52.0  
Final Back-Pressure (psi): 50.0  
Resulting B Value: 0.98

**SPECIMEN CONSOLIDATION**

Date / Time Initiated:  
Date / Time Completed:  
Initial Specimen Volume (cc): 193.66  
Initial Specimen Height (cm): 5.131  
Initial Specimen Diam (cm): 6.932

Final Chamber Pressure (psi): 52.0  
Final Back-Pressure (psi): 50.0  
Actual Vertical Effective Stress (psf): 288.0  
Final Specimen Volume (cc): 193.66  
Final Specimen Height (cm): 5.131  
Final Specimen Diam (cm): 6.932

| CHAMBER BURETTE (ml) | ELAPSED TIME (min) | VOLUME CHANGE (cc) |
|----------------------|--------------------|--------------------|
| 3.00                 | 0.00               | 0.00               |
| 3.00                 | 0.10               | 0.00               |
| 3.00                 | 0.25               | 0.00               |
| 3.00                 | 0.50               | 0.00               |
| 3.00                 | 1.00               | 0.00               |
| 3.00                 | 2.00               | 0.00               |
| 3.00                 | 4.00               | 0.00               |
| 3.00                 | 8.00               | 0.00               |
| 3.00                 | 15.00              | 0.00               |
| 3.00                 | 30.00              | 0.00               |
| 3.00                 | 60.00              | 0.00               |
| 3.00                 | 120.00             | 0.00               |
| 3.00                 | 240.00             | 0.00               |
| 3.00                 | 480.00             | 0.00               |
| 3.00                 | 1440.00            | 0.00               |



**SPECIMEN PERMEATION**

Date / Time Initiated: 4/11/2008 7:46

| ELAPSED TIME (min) | CHAMBER BURETTE (ml) | CHAMBER PRESSURE (psi) | VOLUME CHANGE (cc) | INFLUENT BURETTE (ml) | REGULATED INFLUENT PRESSURE (psi) | EFFLUENT BURETTE (ml) | EFFLUENT REGULATED PRESSURE (psi) | TEMP. (deg. C) |
|--------------------|----------------------|------------------------|--------------------|-----------------------|-----------------------------------|-----------------------|-----------------------------------|----------------|
| 0                  | 3.2                  | 52.0                   | 0.0                | 0.5                   | 50.0                              | 24.1                  | 50.0                              | 21.5           |
| 499                | 3.1                  | 52.0                   | -0.1               | 0.7                   | 50.0                              | 24.0                  | 50.0                              | 21.0           |
| 4338               | 3.3                  | 52.0                   | 0.1                | 1.8                   | 50.0                              | 22.9                  | 50.0                              | 21.0           |
| 4819               | 3.3                  | 52.0                   | 0.1                | 2.0                   | 50.0                              | 22.8                  | 50.0                              | 21.5           |
| 5781               | 3.4                  | 52.0                   | 0.2                | 2.3                   | 50.0                              | 22.6                  | 50.0                              | 21.5           |
| 6271               | 3.4                  | 52.0                   | 0.2                | 2.4                   | 50.0                              | 22.4                  | 50.0                              | 22.0           |
| 7230               | 3.4                  | 52.0                   | 0.2                | 2.7                   | 50.0                              | 22.2                  | 50.0                              | 22.5           |

| ELAPSED TIME (min) | INFLUENT HEAD (cm) | EFFLUENT HEAD (cm) | SPECIMEN HEIGHT (cm) | SPECIMEN DIAMETER (cm) | GRADIENT (h/l) | WATER VISCOSITY CORRECTION | PERMEABILITY (cm/sec) (k. 20 Deg. C) |
|--------------------|--------------------|--------------------|----------------------|------------------------|----------------|----------------------------|--------------------------------------|
| 0                  | 3553.6             | 3526.2             | 5.13                 | 6.93                   | 5.3            | 0.9678                     |                                      |
| 499                | 3553.3             | 3526.3             | 5.13                 | 6.93                   | 5.3            | 0.9801                     | 2.96E-08                             |
| 4338               | 3552.1             | 3527.6             | 5.13                 | 6.93                   | 4.8            | 0.9801                     | 3.01E-08                             |
| 4819               | 3551.8             | 3527.7             | 5.13                 | 6.93                   | 4.7            | 0.9678                     | 3.44E-08                             |
| 5781               | 3551.5             | 3527.9             | 5.13                 | 6.93                   | 4.6            | 0.9678                     | 2.91E-08                             |
| 6271               | 3551.4             | 3528.2             | 5.13                 | 6.93                   | 4.5            | 0.9556                     | 3.47E-08                             |
| 7230               | 3551.0             | 3528.4             | 5.13                 | 6.93                   | 4.4            | 0.9433                     | 2.97E-08                             |

**AVERAGE PERMEABILITY (cm/sec): 3.13E-08**

**APPENDIX D**  
**INVESTIGATION DERIVED WASTE INVENTORY AND DISPOSAL**  
**MANIFESTS**

|   |  |                        |   |                             |                                     |                           |
|---|--|------------------------|---|-----------------------------|-------------------------------------|---------------------------|
| NON-HAZARDOUS WASTE MANIFEST  |  | 1. Generator ID Number | 2. Page 1 of  | 3. Emergency Response Phone | 4. Waste Tracking Number<br>612081A |                           |
| 5. Generator's Name and Mailing Address<br><del>Al. Army National Guard</del><br>Al. Army National Guard<br>O.M.S - 28  |  |                        | Generator's Site Address (if different than mailing address)<br>AOC-1<br>Army Corp. Engineers |                             |                                     |                           |
| Generator's Phone:  |  |                        | U.S. EPA ID Number<br>N/A   |                             |                                     |                           |
| 6. Transporter 1 Company Name<br>Syncoast Env. Consultants  |  |                        | U.S. EPA ID Number  |                             |                                     |                           |
| 7. Transporter 2 Company Name   |  |                        | U.S. EPA ID Number  |                             |                                     |                           |
| 8. Designated Facility Name and Site Address<br>Springhill Landfill<br>Hwy 293, Campbellton Fl.   |  |                        | U.S. EPA ID Number  |                             |                                     |                           |
| Facility's Phone:   |  |                        |   |                             |                                     |                           |
| GENERATOR   | 9. Waste Shipping Name and Description                 |                        | 10. Containers  |                             | 11. Total Quantity                  | 12. Unit Wt./Vol.         |
|   |  |                        | No.   | Type                        |                                     |                           |
|   | 1.   | Non HAZ Soil Borings   | 33  | MD                          |                                     | 6                         |
|   | 2.   |                        |   |                             |                                     |                           |
|   | 3.   |                        |   |                             |                                     |                           |
| 4.  |  |                        |   |                             |                                     |                           |
| 13. Special Handling Instructions and Additional Information<br>Springhill Approval # VA2262  |  |                        |   |                             |                                     |                           |
| 14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of hazardous waste.                                      |  |                        |   |                             |                                     |                           |
| Generator's Officer's Printed/Typed Name<br>William P. Davis  |  |                        | Signature<br>   |                             | Month Day Year<br>6 12 08           |                           |
| 15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:  |  |                        |   |                             |                                     |                           |
| TRANSPORTER   | 16. Transporter Acknowledgment of Receipt of Materials |                        |   |                             |                                     |                           |
|   | Transporter 1 Printed/Typed Name<br>Howard FCE - SEC   |                        |   | Signature<br>               |                                     | Month Day Year<br>6 12 08 |
|   | Transporter 2 Printed/Typed Name                       |                        |   | Signature                   |                                     | Month Day Year            |
| 17. Discrepancy   |  |                        |   |                             |                                     |                           |
| 17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection |  |                        |   |                             |                                     |                           |
| 17b. Manifest Reference Number:   |  |                        |   |                             |                                     |                           |
| DESIGNATED FACILITY   | 17c. Alternate Facility (or Generator)                 |                        |   | U.S. EPA ID Number          |                                     |                           |
|   | Facility's Phone:                                      |                        |   |                             |                                     |                           |
|   | 17c. Signature of Alternate Facility (or Generator)    |                        |   | Month Day Year              |                                     |                           |
| 18. Designated Facility Owner or Operator. Certification of receipt of materials covered by the manifest except as noted in Item 17a  |  |                        |   |                             |                                     |                           |
| Printed/Typed Name<br>P. Allen  |  |                        | Signature<br>   |                             | Month Day Year<br>6 13 08           |                           |

## INVESTIGATION DERIVED WASTE INVENTORY

| <b>Source</b> | <b>Date</b>                                  | <b>Matrix</b>                          | <b>Quantity</b> | <b>Disposal</b> |
|---------------|--|--|-----------------|-----------------|
| OMS-28        | 03/26/08<br>03/27/08<br>03/28/08<br>06/06/08 | Soil & Decon &<br>Development<br>Water | 33 Drums        | Springhill      |
| OMS-28        | 07/01/08<br>07/08/08                         | Purge                                  | 3 Drums         | Remain On Site  |

Notes:      Decon = Decontamination rinse water  
              Drum = 55-gallon sealed metal container  
              Develop = Groundwater collected during well development  
              Purge = Groundwater collected during well purging activities  
              Springhill = Springhill Landfill, 4945 Highway 273, Campbellton, Jackson County, Florida 32426

**APPENDIX E**  
**SOIL AND GROUNDWATER LABORATORY ANALYTICAL**  
**REPORTS AND CHAIN-OF-CUSTODY**

**To:** Aerostar

**Job ID:** Brookley Field OMS-28

**Attn:** Marshall Eschette

**GCAL Report** 208070320



**Report Date** 07/16/2008

ANALYTICAL RESULTS BY

**GULF COAST ANALYTICAL LABORATORIES, INC.**

**Deliver To** Aerostar  
803 Govt. Street  
Suite A  
Mobile, AL 36602

**Attn** Marshall Eschette

# Report Sample Summary

| GCAL ID     | Client ID  | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------|--------|-------------------|-------------------|
| 20807032001 | MW-12      | Water  | 07/01/2008 09:30  | 07/03/2008 09:20  |
| 20807032002 | MW-6       | Water  | 07/01/2008 13:01  | 07/03/2008 09:20  |
| 20807032003 | MW-5       | Water  | 07/01/2008 13:54  | 07/03/2008 09:20  |
| 20807032004 | OMS-28-7   | Water  | 07/01/2008 15:35  | 07/03/2008 09:20  |
| 20807032005 | MW-8       | Water  | 07/01/2008 16:21  | 07/03/2008 09:20  |
| 20807032006 | MW-9       | Water  | 07/02/2008 10:31  | 07/03/2008 09:20  |
| 20807032007 | DUP-1      | Water  | 07/01/2008 00:00  | 07/03/2008 09:20  |
| 20807032008 | RINSE-1    | Water  | 07/01/2008 00:00  | 07/03/2008 09:20  |
| 20807032009 | OMS-28-5   | Water  | 07/02/2008 11:21  | 07/03/2008 09:20  |
| 20807032010 | OMS-28-3   | Water  | 07/02/2008 12:21  | 07/03/2008 09:20  |
| 20807032011 | OMS-28-2   | Water  | 07/02/2008 13:16  | 07/03/2008 09:20  |
| 20807032012 | TRIP BLANK | Water  | 07/02/2008 00:00  | 07/03/2008 09:20  |

# Summary of Compounds Detected

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20807032001 | MW-12     | Water  | 07/01/2008 09:30  | 07/03/2008 09:20  |

SW-846 8260B

| CAS#    | Parameter | Result   | RDL   | MDL       | Units |
|---------|-----------|----------|-------|-----------|-------|
| 67-64-1 | Acetone   | 0.00363J | 0.025 | 0.0000638 | mg/L  |

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20807032002 | MW-6      | Water  | 07/01/2008 13:01  | 07/03/2008 09:20  |

SW-846 8260B

| CAS#      | Parameter                 | Result    | RDL     | MDL       | Units |
|-----------|---------------------------|-----------|---------|-----------|-------|
| 107-06-2  | 1,2-Dichloroethane        | 0.000548J | 0.00500 | 0.0000663 | mg/L  |
| 67-64-1   | Acetone                   | 0.00317J  | 0.025   | 0.0000638 | mg/L  |
| 71-43-2   | Benzene                   | 0.016     | 0.00500 | 0.0000624 | mg/L  |
| 110-82-7  | Cyclohexane               | 0.00418J  | 0.00500 | 0.0000722 | mg/L  |
| 98-82-8   | Isopropylbenzene (Cumene) | 0.00533   | 0.00500 | 0.0000569 | mg/L  |
| 108-87-2  | Methylcyclohexane         | 0.00299J  | 0.00500 | 0.0000921 | mg/L  |
| 91-20-3   | Naphthalene               | 0.028     | 0.00500 | 0.000245  | mg/L  |
| 1330-20-7 | Xylene (total)            | 0.00701J  | 0.010   | 0.000194  | mg/L  |

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20807032003 | MW-5      | Water  | 07/01/2008 13:54  | 07/03/2008 09:20  |

SW-846 8260B

| CAS#    | Parameter   | Result   | RDL     | MDL       | Units |
|---------|-------------|----------|---------|-----------|-------|
| 67-64-1 | Acetone     | 0.00780J | 0.025   | 0.0000638 | mg/L  |
| 91-20-3 | Naphthalene | 0.00464J | 0.00500 | 0.000245  | mg/L  |

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20807032004 | OMS-28-7  | Water  | 07/01/2008 15:35  | 07/03/2008 09:20  |

SW-846 8260B

| CAS#    | Parameter       | Result   | RDL     | MDL       | Units |
|---------|-----------------|----------|---------|-----------|-------|
| 67-64-1 | Acetone         | 0.00487J | 0.025   | 0.0000638 | mg/L  |
| 79-01-6 | Trichloroethene | 0.00173J | 0.00500 | 0.000164  | mg/L  |

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20807032005 | MW-8      | Water  | 07/01/2008 16:21  | 07/03/2008 09:20  |

SW-846 8260B

| CAS#     | Parameter              | Result   | RDL     | MDL       | Units |
|----------|------------------------|----------|---------|-----------|-------|
| 67-64-1  | Acetone                | 0.011J   | 0.025   | 0.0000638 | mg/L  |
| 74-87-3  | Chloromethane          | 0.00210J | 0.00500 | 0.000249  | mg/L  |
| 79-01-6  | Trichloroethene        | 0.133    | 0.00500 | 0.000164  | mg/L  |
| 156-59-2 | cis-1,2-Dichloroethene | 0.00397J | 0.00500 | 0.0000745 | mg/L  |

# Summary of Compounds Detected (con't)

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20807032006 | MW-9      | Water  | 07/02/2008 10:31  | 07/03/2008 09:20  |

SW-846 8260B

| CAS#    | Parameter | Result   | RDL   | MDL       | Units |
|---------|-----------|----------|-------|-----------|-------|
| 67-64-1 | Acetone   | 0.00472J | 0.025 | 0.0000638 | mg/L  |

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20807032007 | DUP-1     | Water  | 07/01/2008 00:00  | 07/03/2008 09:20  |

SW-846 8260B

| CAS#     | Parameter              | Result   | RDL     | MDL       | Units |
|----------|------------------------|----------|---------|-----------|-------|
| 67-64-1  | Acetone                | 0.00430J | 0.025   | 0.0000638 | mg/L  |
| 79-01-6  | Trichloroethene        | 0.129    | 0.00500 | 0.000164  | mg/L  |
| 156-59-2 | cis-1,2-Dichloroethene | 0.00437J | 0.00500 | 0.0000745 | mg/L  |

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20807032008 | RINSE-1   | Water  | 07/01/2008 00:00  | 07/03/2008 09:20  |

SW-846 8260B

| CAS#    | Parameter          | Result    | RDL     | MDL       | Units |
|---------|--------------------|-----------|---------|-----------|-------|
| 67-64-1 | Acetone            | 0.00366J  | 0.025   | 0.0000638 | mg/L  |
| 74-87-3 | Chloromethane      | 0.000884J | 0.00500 | 0.000249  | mg/L  |
| 75-09-2 | Methylene chloride | 0.000797J | 0.010   | 0.0000765 | mg/L  |

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20807032009 | OMS-28-5  | Water  | 07/02/2008 11:21  | 07/03/2008 09:20  |

SW-846 8260B

| CAS#     | Parameter                | Result    | RDL     | MDL       | Units |
|----------|--------------------------|-----------|---------|-----------|-------|
| 67-64-1  | Acetone                  | 0.00355J  | 0.025   | 0.0000638 | mg/L  |
| 127-18-4 | Tetrachloroethene        | 0.130     | 0.00500 | 0.000200  | mg/L  |
| 79-01-6  | Trichloroethene          | 0.039     | 0.00500 | 0.000164  | mg/L  |
| 156-59-2 | cis-1,2-Dichloroethene   | 0.012     | 0.00500 | 0.0000745 | mg/L  |
| 156-60-5 | trans-1,2-Dichloroethene | 0.000671J | 0.00500 | 0.0000573 | mg/L  |

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20807032010 | OMS-28-3  | Water  | 07/02/2008 12:21  | 07/03/2008 09:20  |

SW-846 8260B

| CAS#     | Parameter              | Result    | RDL     | MDL       | Units |
|----------|------------------------|-----------|---------|-----------|-------|
| 67-64-1  | Acetone                | 0.00218J  | 0.025   | 0.0000638 | mg/L  |
| 67-66-3  | Chloroform             | 0.000252J | 0.00500 | 0.0000426 | mg/L  |
| 74-87-3  | Chloromethane          | 0.000835J | 0.00500 | 0.000249  | mg/L  |
| 79-01-6  | Trichloroethene        | 0.080     | 0.00500 | 0.000164  | mg/L  |
| 156-59-2 | cis-1,2-Dichloroethene | 0.00626   | 0.00500 | 0.0000745 | mg/L  |

## Summary of Compounds Detected (con't)

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20807032011 | OMS-28-2  | Water  | 07/02/2008 13:16  | 07/03/2008 09:20  |

SW-846 8260B

| CAS#    | Parameter     | Result   | RDL     | MDL       | Units |
|---------|---------------|----------|---------|-----------|-------|
| 67-64-1 | Acetone       | 0.00338J | 0.025   | 0.0000638 | mg/L  |
| 74-87-3 | Chloromethane | 0.00111J | 0.00500 | 0.000249  | mg/L  |

| GCAL ID     | Client ID  | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------|--------|-------------------|-------------------|
| 20807032012 | TRIP BLANK | Water  | 07/02/2008 00:00  | 07/03/2008 09:20  |

SW-846 8260B

| CAS#     | Parameter           | Result    | RDL     | MDL       | Units |
|----------|---------------------|-----------|---------|-----------|-------|
| 541-73-1 | 1,3-Dichlorobenzene | 0.000257J | 0.00500 | 0.0000861 | mg/L  |
| 67-64-1  | Acetone             | 0.010J    | 0.025   | 0.0000638 | mg/L  |
| 108-88-3 | Toluene             | 0.000290J | 0.00500 | 0.0000675 | mg/L  |

|                               |                           |                        |  |  |
|-------------------------------|---------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20807032001 | <b>Client ID</b><br>MW-12 | <b>Matrix</b><br>Water | <b>Collect Date/Time</b><br>07/01/2008 09:30 | <b>Receive Date/Time</b><br>07/03/2008 09:20 |
|-------------------------------|---------------------------|------------------------|--|--|

SW-846 8260B

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>07/13/2008 21:23 | <b>By</b><br>JCK | <b>Analytical Batch</b><br>392648 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#           | Parameter                      | Result          | RDL          | MDL              | Units       |
|----------------|--------------------------------|-----------------|--------------|------------------|-------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.0000683U      | 0.00500      | 0.0000683        | mg/L        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000148U       | 0.00500      | 0.000148         | mg/L        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000146U       | 0.00500      | 0.000146         | mg/L        |
| 75-34-3        | 1,1-Dichloroethane             | 0.0000801U      | 0.00500      | 0.0000801        | mg/L        |
| 75-35-4        | 1,1-Dichloroethene             | 0.0000961U      | 0.00500      | 0.0000961        | mg/L        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000223U       | 0.00500      | 0.000223         | mg/L        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.000356U       | 0.00500      | 0.000356         | mg/L        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000158U       | 0.00500      | 0.000158         | mg/L        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000109U       | 0.00500      | 0.000109         | mg/L        |
| 107-06-2       | 1,2-Dichloroethane             | 0.0000663U      | 0.00500      | 0.0000663        | mg/L        |
| 78-87-5        | 1,2-Dichloropropane            | 0.0000555U      | 0.00500      | 0.0000555        | mg/L        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.0000861U      | 0.00500      | 0.0000861        | mg/L        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.0000961U      | 0.00500      | 0.0000961        | mg/L        |
| 78-93-3        | 2-Butanone                     | 0.000487U       | 0.00500      | 0.000487         | mg/L        |
| 591-78-6       | 2-Hexanone                     | 0.000308U       | 0.00500      | 0.000308         | mg/L        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000113U       | 0.00500      | 0.000113         | mg/L        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.00363J</b> | <b>0.025</b> | <b>0.0000638</b> | <b>mg/L</b> |
| 71-43-2        | Benzene                        | 0.0000624U      | 0.00500      | 0.0000624        | mg/L        |
| 75-27-4        | Bromodichloromethane           | 0.0000875U      | 0.00500      | 0.0000875        | mg/L        |
| 75-25-2        | Bromoform                      | 0.0000947U      | 0.00500      | 0.0000947        | mg/L        |
| 74-83-9        | Bromomethane                   | 0.000252U       | 0.00500      | 0.000252         | mg/L        |
| 75-15-0        | Carbon disulfide               | 0.000184U       | 0.00500      | 0.000184         | mg/L        |
| 56-23-5        | Carbon tetrachloride           | 0.0000825U      | 0.00500      | 0.0000825        | mg/L        |
| 108-90-7       | Chlorobenzene                  | 0.0000631U      | 0.00500      | 0.0000631        | mg/L        |
| 75-00-3        | Chloroethane                   | 0.0000618U      | 0.00500      | 0.0000618        | mg/L        |
| 67-66-3        | Chloroform                     | 0.0000426U      | 0.00500      | 0.0000426        | mg/L        |
| 74-87-3        | Chloromethane                  | 0.000249U       | 0.00500      | 0.000249         | mg/L        |
| 110-82-7       | Cyclohexane                    | 0.0000722U      | 0.00500      | 0.0000722        | mg/L        |
| 124-48-1       | Dibromochloromethane           | 0.0000637U      | 0.00500      | 0.0000637        | mg/L        |
| 75-71-8        | Dichlorodifluoromethane        | 0.0000680U      | 0.00500      | 0.0000680        | mg/L        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.0000746U      | 0.00500      | 0.0000746        | mg/L        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.0000702U      | 0.00500      | 0.0000702        | mg/L        |
| 100-41-4       | Ethylbenzene                   | 0.0000924U      | 0.00500      | 0.0000924        | mg/L        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.0000569U      | 0.00500      | 0.0000569        | mg/L        |
| 79-20-9        | Methyl Acetate                 | 0.000375U       | 0.00500      | 0.000375         | mg/L        |
| 108-87-2       | Methylcyclohexane              | 0.0000921U      | 0.00500      | 0.0000921        | mg/L        |
| 75-09-2        | Methylene chloride             | 0.0000765U      | 0.010        | 0.0000765        | mg/L        |
| 91-20-3        | Naphthalene                    | 0.000245U       | 0.00500      | 0.000245         | mg/L        |
| 100-42-5       | Styrene                        | 0.0000821U      | 0.00500      | 0.0000821        | mg/L        |
| 127-18-4       | Tetrachloroethene              | 0.000200U       | 0.00500      | 0.000200         | mg/L        |
| 108-88-3       | Toluene                        | 0.0000675U      | 0.00500      | 0.0000675        | mg/L        |
| 79-01-6        | Trichloroethene                | 0.000164U       | 0.00500      | 0.000164         | mg/L        |
| 75-69-4        | Trichlorofluoromethane         | 0.0000638U      | 0.00500      | 0.0000638        | mg/L        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000168U       | 0.00500      | 0.000168         | mg/L        |
| 75-01-4        | Vinyl chloride                 | 0.0000538U      | 0.00500      | 0.0000538        | mg/L        |
| 1330-20-7      | Xylene (total)                 | 0.000194U       | 0.010        | 0.000194         | mg/L        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.0000745U      | 0.00500      | 0.0000745        | mg/L        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.0000756U      | 0.00500      | 0.0000756        | mg/L        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.0000573U      | 0.00500      | 0.0000573        | mg/L        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20807032001    | MW-12            | Water         | 07/01/2008 09:30         | 07/03/2008 09:20         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 07/13/2008 21:23 | JCK       | 392648                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .048      | mg/L  | 95         | 75 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .051      | mg/L  | 102        | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .056      | mg/L  | 111        | 85 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .05       | mg/L  | 100        | 70 - 120   |

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20807032002 | MW-6      | Water  | 07/01/2008 13:01  | 07/03/2008 09:20  |

SW-846 8260B

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 07/13/2008 21:45 | JCK | 392648           |

| CAS#             | Parameter                        | Result           | RDL            | MDL              | Units       |
|------------------|----------------------------------|------------------|----------------|------------------|-------------|
| 71-55-6          | 1,1,1-Trichloroethane            | 0.0000683U       | 0.00500        | 0.0000683        | mg/L        |
| 79-34-5          | 1,1,2,2-Tetrachloroethane        | 0.000148U        | 0.00500        | 0.000148         | mg/L        |
| 79-00-5          | 1,1,2-Trichloroethane            | 0.000146U        | 0.00500        | 0.000146         | mg/L        |
| 75-34-3          | 1,1-Dichloroethane               | 0.0000801U       | 0.00500        | 0.0000801        | mg/L        |
| 75-35-4          | 1,1-Dichloroethene               | 0.0000961U       | 0.00500        | 0.0000961        | mg/L        |
| 120-82-1         | 1,2,4-Trichlorobenzene           | 0.000223U        | 0.00500        | 0.000223         | mg/L        |
| 96-12-8          | 1,2-Dibromo-3-chloropropane      | 0.000356U        | 0.00500        | 0.000356         | mg/L        |
| 106-93-4         | 1,2-Dibromoethane                | 0.000158U        | 0.00500        | 0.000158         | mg/L        |
| 95-50-1          | 1,2-Dichlorobenzene              | 0.000109U        | 0.00500        | 0.000109         | mg/L        |
| <b>107-06-2</b>  | <b>1,2-Dichloroethane</b>        | <b>0.000548J</b> | <b>0.00500</b> | <b>0.0000663</b> | <b>mg/L</b> |
| 78-87-5          | 1,2-Dichloropropane              | 0.0000555U       | 0.00500        | 0.0000555        | mg/L        |
| 541-73-1         | 1,3-Dichlorobenzene              | 0.0000861U       | 0.00500        | 0.0000861        | mg/L        |
| 106-46-7         | 1,4-Dichlorobenzene              | 0.0000961U       | 0.00500        | 0.0000961        | mg/L        |
| 78-93-3          | 2-Butanone                       | 0.000487U        | 0.00500        | 0.000487         | mg/L        |
| 591-78-6         | 2-Hexanone                       | 0.000308U        | 0.00500        | 0.000308         | mg/L        |
| 108-10-1         | 4-Methyl-2-pentanone             | 0.000113U        | 0.00500        | 0.000113         | mg/L        |
| <b>67-64-1</b>   | <b>Acetone</b>                   | <b>0.00317J</b>  | <b>0.025</b>   | <b>0.0000638</b> | <b>mg/L</b> |
| <b>71-43-2</b>   | <b>Benzene</b>                   | <b>0.016</b>     | <b>0.00500</b> | <b>0.0000624</b> | <b>mg/L</b> |
| 75-27-4          | Bromodichloromethane             | 0.0000875U       | 0.00500        | 0.0000875        | mg/L        |
| 75-25-2          | Bromoform                        | 0.0000947U       | 0.00500        | 0.0000947        | mg/L        |
| 74-83-9          | Bromomethane                     | 0.000252U        | 0.00500        | 0.000252         | mg/L        |
| 75-15-0          | Carbon disulfide                 | 0.000184U        | 0.00500        | 0.000184         | mg/L        |
| 56-23-5          | Carbon tetrachloride             | 0.0000825U       | 0.00500        | 0.0000825        | mg/L        |
| 108-90-7         | Chlorobenzene                    | 0.0000631U       | 0.00500        | 0.0000631        | mg/L        |
| 75-00-3          | Chloroethane                     | 0.0000618U       | 0.00500        | 0.0000618        | mg/L        |
| 67-66-3          | Chloroform                       | 0.0000426U       | 0.00500        | 0.0000426        | mg/L        |
| 74-87-3          | Chloromethane                    | 0.000249U        | 0.00500        | 0.000249         | mg/L        |
| <b>110-82-7</b>  | <b>Cyclohexane</b>               | <b>0.00418J</b>  | <b>0.00500</b> | <b>0.0000722</b> | <b>mg/L</b> |
| 124-48-1         | Dibromochloromethane             | 0.0000637U       | 0.00500        | 0.0000637        | mg/L        |
| 75-71-8          | Dichlorodifluoromethane          | 0.0000680U       | 0.00500        | 0.0000680        | mg/L        |
| 10061-01-5       | cis-1,3-Dichloropropene          | 0.0000746U       | 0.00500        | 0.0000746        | mg/L        |
| 10061-02-6       | trans-1,3-Dichloropropene        | 0.0000702U       | 0.00500        | 0.0000702        | mg/L        |
| 100-41-4         | Ethylbenzene                     | 0.0000924U       | 0.00500        | 0.0000924        | mg/L        |
| <b>98-82-8</b>   | <b>Isopropylbenzene (Cumene)</b> | <b>0.00533</b>   | <b>0.00500</b> | <b>0.0000569</b> | <b>mg/L</b> |
| 79-20-9          | Methyl Acetate                   | 0.000375U        | 0.00500        | 0.000375         | mg/L        |
| <b>108-87-2</b>  | <b>Methylcyclohexane</b>         | <b>0.00299J</b>  | <b>0.00500</b> | <b>0.0000921</b> | <b>mg/L</b> |
| 75-09-2          | Methylene chloride               | 0.0000765U       | 0.010          | 0.0000765        | mg/L        |
| <b>91-20-3</b>   | <b>Naphthalene</b>               | <b>0.028</b>     | <b>0.00500</b> | <b>0.000245</b>  | <b>mg/L</b> |
| 100-42-5         | Styrene                          | 0.0000821U       | 0.00500        | 0.0000821        | mg/L        |
| 127-18-4         | Tetrachloroethene                | 0.000200U        | 0.00500        | 0.000200         | mg/L        |
| 108-88-3         | Toluene                          | 0.0000675U       | 0.00500        | 0.0000675        | mg/L        |
| 79-01-6          | Trichloroethene                  | 0.000164U        | 0.00500        | 0.000164         | mg/L        |
| 75-69-4          | Trichlorofluoromethane           | 0.0000638U       | 0.00500        | 0.0000638        | mg/L        |
| 76-13-1          | Trichlorotrifluoroethane         | 0.000168U        | 0.00500        | 0.000168         | mg/L        |
| 75-01-4          | Vinyl chloride                   | 0.0000538U       | 0.00500        | 0.0000538        | mg/L        |
| <b>1330-20-7</b> | <b>Xylene (total)</b>            | <b>0.00701J</b>  | <b>0.010</b>   | <b>0.000194</b>  | <b>mg/L</b> |
| 156-59-2         | cis-1,2-Dichloroethene           | 0.0000745U       | 0.00500        | 0.0000745        | mg/L        |
| 1634-04-4        | tert-Butyl methyl ether (MTBE)   | 0.0000756U       | 0.00500        | 0.0000756        | mg/L        |
| 156-60-5         | trans-1,2-Dichloroethene         | 0.0000573U       | 0.00500        | 0.0000573        | mg/L        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20807032002    | MW-6             | Water         | 07/01/2008 13:01         | 07/03/2008 09:20         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 07/13/2008 21:45 | JCK       | 392648                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .052      | mg/L  | 103        | 75 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .049      | mg/L  | 99         | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .053      | mg/L  | 105        | 85 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .05       | mg/L  | 100        | 70 - 120   |

|                               |                          |                        |  |  |
|-------------------------------|--------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20807032003 | <b>Client ID</b><br>MW-5 | <b>Matrix</b><br>Water | <b>Collect Date/Time</b><br>07/01/2008 13:54 | <b>Receive Date/Time</b><br>07/03/2008 09:20 |
|-------------------------------|--------------------------|------------------------|--|--|

SW-846 8260B

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>07/13/2008 22:08 | <b>By</b><br>JCK | <b>Analytical Batch</b><br>392648 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#           | Parameter                      | Result          | RDL            | MDL              | Units       |
|----------------|--------------------------------|-----------------|----------------|------------------|-------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.0000683U      | 0.00500        | 0.0000683        | mg/L        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000148U       | 0.00500        | 0.000148         | mg/L        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000146U       | 0.00500        | 0.000146         | mg/L        |
| 75-34-3        | 1,1-Dichloroethane             | 0.0000801U      | 0.00500        | 0.0000801        | mg/L        |
| 75-35-4        | 1,1-Dichloroethene             | 0.0000961U      | 0.00500        | 0.0000961        | mg/L        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000223U       | 0.00500        | 0.000223         | mg/L        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.000356U       | 0.00500        | 0.000356         | mg/L        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000158U       | 0.00500        | 0.000158         | mg/L        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000109U       | 0.00500        | 0.000109         | mg/L        |
| 107-06-2       | 1,2-Dichloroethane             | 0.0000663U      | 0.00500        | 0.0000663        | mg/L        |
| 78-87-5        | 1,2-Dichloropropane            | 0.0000555U      | 0.00500        | 0.0000555        | mg/L        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.0000861U      | 0.00500        | 0.0000861        | mg/L        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.0000961U      | 0.00500        | 0.0000961        | mg/L        |
| 78-93-3        | 2-Butanone                     | 0.000487U       | 0.00500        | 0.000487         | mg/L        |
| 591-78-6       | 2-Hexanone                     | 0.000308U       | 0.00500        | 0.000308         | mg/L        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000113U       | 0.00500        | 0.000113         | mg/L        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.00780J</b> | <b>0.025</b>   | <b>0.0000638</b> | <b>mg/L</b> |
| 71-43-2        | Benzene                        | 0.0000624U      | 0.00500        | 0.0000624        | mg/L        |
| 75-27-4        | Bromodichloromethane           | 0.0000875U      | 0.00500        | 0.0000875        | mg/L        |
| 75-25-2        | Bromoform                      | 0.0000947U      | 0.00500        | 0.0000947        | mg/L        |
| 74-83-9        | Bromomethane                   | 0.000252U       | 0.00500        | 0.000252         | mg/L        |
| 75-15-0        | Carbon disulfide               | 0.000184U       | 0.00500        | 0.000184         | mg/L        |
| 56-23-5        | Carbon tetrachloride           | 0.0000825U      | 0.00500        | 0.0000825        | mg/L        |
| 108-90-7       | Chlorobenzene                  | 0.0000631U      | 0.00500        | 0.0000631        | mg/L        |
| 75-00-3        | Chloroethane                   | 0.0000618U      | 0.00500        | 0.0000618        | mg/L        |
| 67-66-3        | Chloroform                     | 0.0000426U      | 0.00500        | 0.0000426        | mg/L        |
| 74-87-3        | Chloromethane                  | 0.000249U       | 0.00500        | 0.000249         | mg/L        |
| 110-82-7       | Cyclohexane                    | 0.0000722U      | 0.00500        | 0.0000722        | mg/L        |
| 124-48-1       | Dibromochloromethane           | 0.0000637U      | 0.00500        | 0.0000637        | mg/L        |
| 75-71-8        | Dichlorodifluoromethane        | 0.0000680U      | 0.00500        | 0.0000680        | mg/L        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.0000746U      | 0.00500        | 0.0000746        | mg/L        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.0000702U      | 0.00500        | 0.0000702        | mg/L        |
| 100-41-4       | Ethylbenzene                   | 0.0000924U      | 0.00500        | 0.0000924        | mg/L        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.0000569U      | 0.00500        | 0.0000569        | mg/L        |
| 79-20-9        | Methyl Acetate                 | 0.000375U       | 0.00500        | 0.000375         | mg/L        |
| 108-87-2       | Methylcyclohexane              | 0.0000921U      | 0.00500        | 0.0000921        | mg/L        |
| 75-09-2        | Methylene chloride             | 0.0000765U      | 0.010          | 0.0000765        | mg/L        |
| <b>91-20-3</b> | <b>Naphthalene</b>             | <b>0.00464J</b> | <b>0.00500</b> | <b>0.000245</b>  | <b>mg/L</b> |
| 100-42-5       | Styrene                        | 0.0000821U      | 0.00500        | 0.0000821        | mg/L        |
| 127-18-4       | Tetrachloroethene              | 0.000200U       | 0.00500        | 0.000200         | mg/L        |
| 108-88-3       | Toluene                        | 0.0000675U      | 0.00500        | 0.0000675        | mg/L        |
| 79-01-6        | Trichloroethene                | 0.000164U       | 0.00500        | 0.000164         | mg/L        |
| 75-69-4        | Trichlorofluoromethane         | 0.0000638U      | 0.00500        | 0.0000638        | mg/L        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000168U       | 0.00500        | 0.000168         | mg/L        |
| 75-01-4        | Vinyl chloride                 | 0.0000538U      | 0.00500        | 0.0000538        | mg/L        |
| 1330-20-7      | Xylene (total)                 | 0.000194U       | 0.010          | 0.000194         | mg/L        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.0000745U      | 0.00500        | 0.0000745        | mg/L        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.0000756U      | 0.00500        | 0.0000756        | mg/L        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.0000573U      | 0.00500        | 0.0000573        | mg/L        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20807032003    | MW-5             | Water         | 07/01/2008 13:54         | 07/03/2008 09:20         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 07/13/2008 22:08 | JCK       | 392648                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .048      | mg/L  | 97         | 75 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .051      | mg/L  | 102        | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .055      | mg/L  | 110        | 85 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .05       | mg/L  | 99         | 70 - 120   |

|                               |                              |                        |  |  |
|-------------------------------|------------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20807032004 | <b>Client ID</b><br>OMS-28-7 | <b>Matrix</b><br>Water | <b>Collect Date/Time</b><br>07/01/2008 15:35 | <b>Receive Date/Time</b><br>07/03/2008 09:20 |
|-------------------------------|------------------------------|------------------------|--|--|

SW-846 8260B

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>07/13/2008 22:30 | <b>By</b><br>JCK | <b>Analytical Batch</b><br>392648 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#           | Parameter                      | Result          | RDL            | MDL              | Units       |
|----------------|--------------------------------|-----------------|----------------|------------------|-------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.0000683U      | 0.00500        | 0.0000683        | mg/L        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000148U       | 0.00500        | 0.000148         | mg/L        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000146U       | 0.00500        | 0.000146         | mg/L        |
| 75-34-3        | 1,1-Dichloroethane             | 0.0000801U      | 0.00500        | 0.0000801        | mg/L        |
| 75-35-4        | 1,1-Dichloroethene             | 0.0000961U      | 0.00500        | 0.0000961        | mg/L        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000223U       | 0.00500        | 0.000223         | mg/L        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.000356U       | 0.00500        | 0.000356         | mg/L        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000158U       | 0.00500        | 0.000158         | mg/L        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000109U       | 0.00500        | 0.000109         | mg/L        |
| 107-06-2       | 1,2-Dichloroethane             | 0.0000663U      | 0.00500        | 0.0000663        | mg/L        |
| 78-87-5        | 1,2-Dichloropropane            | 0.0000555U      | 0.00500        | 0.0000555        | mg/L        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.0000861U      | 0.00500        | 0.0000861        | mg/L        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.0000961U      | 0.00500        | 0.0000961        | mg/L        |
| 78-93-3        | 2-Butanone                     | 0.000487U       | 0.00500        | 0.000487         | mg/L        |
| 591-78-6       | 2-Hexanone                     | 0.000308U       | 0.00500        | 0.000308         | mg/L        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000113U       | 0.00500        | 0.000113         | mg/L        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.00487J</b> | <b>0.025</b>   | <b>0.0000638</b> | <b>mg/L</b> |
| 71-43-2        | Benzene                        | 0.0000624U      | 0.00500        | 0.0000624        | mg/L        |
| 75-27-4        | Bromodichloromethane           | 0.0000875U      | 0.00500        | 0.0000875        | mg/L        |
| 75-25-2        | Bromoform                      | 0.0000947U      | 0.00500        | 0.0000947        | mg/L        |
| 74-83-9        | Bromomethane                   | 0.000252U       | 0.00500        | 0.000252         | mg/L        |
| 75-15-0        | Carbon disulfide               | 0.000184U       | 0.00500        | 0.000184         | mg/L        |
| 56-23-5        | Carbon tetrachloride           | 0.0000825U      | 0.00500        | 0.0000825        | mg/L        |
| 108-90-7       | Chlorobenzene                  | 0.0000631U      | 0.00500        | 0.0000631        | mg/L        |
| 75-00-3        | Chloroethane                   | 0.0000618U      | 0.00500        | 0.0000618        | mg/L        |
| 67-66-3        | Chloroform                     | 0.0000426U      | 0.00500        | 0.0000426        | mg/L        |
| 74-87-3        | Chloromethane                  | 0.000249U       | 0.00500        | 0.000249         | mg/L        |
| 110-82-7       | Cyclohexane                    | 0.0000722U      | 0.00500        | 0.0000722        | mg/L        |
| 124-48-1       | Dibromochloromethane           | 0.0000637U      | 0.00500        | 0.0000637        | mg/L        |
| 75-71-8        | Dichlorodifluoromethane        | 0.0000680U      | 0.00500        | 0.0000680        | mg/L        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.0000746U      | 0.00500        | 0.0000746        | mg/L        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.0000702U      | 0.00500        | 0.0000702        | mg/L        |
| 100-41-4       | Ethylbenzene                   | 0.0000924U      | 0.00500        | 0.0000924        | mg/L        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.0000569U      | 0.00500        | 0.0000569        | mg/L        |
| 79-20-9        | Methyl Acetate                 | 0.000375U       | 0.00500        | 0.000375         | mg/L        |
| 108-87-2       | Methylcyclohexane              | 0.0000921U      | 0.00500        | 0.0000921        | mg/L        |
| 75-09-2        | Methylene chloride             | 0.0000765U      | 0.010          | 0.0000765        | mg/L        |
| 91-20-3        | Naphthalene                    | 0.000245U       | 0.00500        | 0.000245         | mg/L        |
| 100-42-5       | Styrene                        | 0.0000821U      | 0.00500        | 0.0000821        | mg/L        |
| 127-18-4       | Tetrachloroethene              | 0.000200U       | 0.00500        | 0.000200         | mg/L        |
| 108-88-3       | Toluene                        | 0.0000675U      | 0.00500        | 0.0000675        | mg/L        |
| <b>79-01-6</b> | <b>Trichloroethene</b>         | <b>0.00173J</b> | <b>0.00500</b> | <b>0.000164</b>  | <b>mg/L</b> |
| 75-69-4        | Trichlorofluoromethane         | 0.0000638U      | 0.00500        | 0.0000638        | mg/L        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000168U       | 0.00500        | 0.000168         | mg/L        |
| 75-01-4        | Vinyl chloride                 | 0.0000538U      | 0.00500        | 0.0000538        | mg/L        |
| 1330-20-7      | Xylene (total)                 | 0.000194U       | 0.010          | 0.000194         | mg/L        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.0000745U      | 0.00500        | 0.0000745        | mg/L        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.0000756U      | 0.00500        | 0.0000756        | mg/L        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.0000573U      | 0.00500        | 0.0000573        | mg/L        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20807032004    | OMS-28-7         | Water         | 07/01/2008 15:35         | 07/03/2008 09:20         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 07/13/2008 22:30 | JCK       | 392648                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .047      | mg/L  | 94         | 75 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .051      | mg/L  | 103        | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .056      | mg/L  | 112        | 85 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .05       | mg/L  | 101        | 70 - 120   |

|                               |                          |                        |  |  |
|-------------------------------|--------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20807032005 | <b>Client ID</b><br>MW-8 | <b>Matrix</b><br>Water | <b>Collect Date/Time</b><br>07/01/2008 16:21 | <b>Receive Date/Time</b><br>07/03/2008 09:20 |
|-------------------------------|--------------------------|------------------------|--|--|

SW-846 8260B

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>07/13/2008 20:17 | <b>By</b><br>JCK | <b>Analytical Batch</b><br>392648 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#            | Parameter                      | Result          | RDL            | MDL              | Units       |
|-----------------|--------------------------------|-----------------|----------------|------------------|-------------|
| 71-55-6         | 1,1,1-Trichloroethane          | 0.0000683U      | 0.00500        | 0.0000683        | mg/L        |
| 79-34-5         | 1,1,2,2-Tetrachloroethane      | 0.000148U       | 0.00500        | 0.000148         | mg/L        |
| 79-00-5         | 1,1,2-Trichloroethane          | 0.000146U       | 0.00500        | 0.000146         | mg/L        |
| 75-34-3         | 1,1-Dichloroethane             | 0.0000801U      | 0.00500        | 0.0000801        | mg/L        |
| 75-35-4         | 1,1-Dichloroethene             | 0.0000961U      | 0.00500        | 0.0000961        | mg/L        |
| 120-82-1        | 1,2,4-Trichlorobenzene         | 0.000223U       | 0.00500        | 0.000223         | mg/L        |
| 96-12-8         | 1,2-Dibromo-3-chloropropane    | 0.000356U       | 0.00500        | 0.000356         | mg/L        |
| 106-93-4        | 1,2-Dibromoethane              | 0.000158U       | 0.00500        | 0.000158         | mg/L        |
| 95-50-1         | 1,2-Dichlorobenzene            | 0.000109U       | 0.00500        | 0.000109         | mg/L        |
| 107-06-2        | 1,2-Dichloroethane             | 0.0000663U      | 0.00500        | 0.0000663        | mg/L        |
| 78-87-5         | 1,2-Dichloropropane            | 0.0000555U      | 0.00500        | 0.0000555        | mg/L        |
| 541-73-1        | 1,3-Dichlorobenzene            | 0.0000861U      | 0.00500        | 0.0000861        | mg/L        |
| 106-46-7        | 1,4-Dichlorobenzene            | 0.0000961U      | 0.00500        | 0.0000961        | mg/L        |
| 78-93-3         | 2-Butanone                     | 0.000487U       | 0.00500        | 0.000487         | mg/L        |
| 591-78-6        | 2-Hexanone                     | 0.000308U       | 0.00500        | 0.000308         | mg/L        |
| 108-10-1        | 4-Methyl-2-pentanone           | 0.000113U       | 0.00500        | 0.000113         | mg/L        |
| <b>67-64-1</b>  | <b>Acetone</b>                 | <b>0.011J</b>   | <b>0.025</b>   | <b>0.0000638</b> | <b>mg/L</b> |
| 71-43-2         | Benzene                        | 0.0000624U      | 0.00500        | 0.0000624        | mg/L        |
| 75-27-4         | Bromodichloromethane           | 0.0000875U      | 0.00500        | 0.0000875        | mg/L        |
| 75-25-2         | Bromoform                      | 0.0000947U      | 0.00500        | 0.0000947        | mg/L        |
| 74-83-9         | Bromomethane                   | 0.000252U       | 0.00500        | 0.000252         | mg/L        |
| 75-15-0         | Carbon disulfide               | 0.000184U       | 0.00500        | 0.000184         | mg/L        |
| 56-23-5         | Carbon tetrachloride           | 0.0000825U      | 0.00500        | 0.0000825        | mg/L        |
| 108-90-7        | Chlorobenzene                  | 0.0000631U      | 0.00500        | 0.0000631        | mg/L        |
| 75-00-3         | Chloroethane                   | 0.0000618U      | 0.00500        | 0.0000618        | mg/L        |
| 67-66-3         | Chloroform                     | 0.0000426U      | 0.00500        | 0.0000426        | mg/L        |
| <b>74-87-3</b>  | <b>Chloromethane</b>           | <b>0.00210J</b> | <b>0.00500</b> | <b>0.000249</b>  | <b>mg/L</b> |
| 110-82-7        | Cyclohexane                    | 0.0000722U      | 0.00500        | 0.0000722        | mg/L        |
| 124-48-1        | Dibromochloromethane           | 0.0000637U      | 0.00500        | 0.0000637        | mg/L        |
| 75-71-8         | Dichlorodifluoromethane        | 0.0000680U      | 0.00500        | 0.0000680        | mg/L        |
| 10061-01-5      | cis-1,3-Dichloropropene        | 0.0000746U      | 0.00500        | 0.0000746        | mg/L        |
| 10061-02-6      | trans-1,3-Dichloropropene      | 0.0000702U      | 0.00500        | 0.0000702        | mg/L        |
| 100-41-4        | Ethylbenzene                   | 0.0000924U      | 0.00500        | 0.0000924        | mg/L        |
| 98-82-8         | Isopropylbenzene (Cumene)      | 0.0000569U      | 0.00500        | 0.0000569        | mg/L        |
| 79-20-9         | Methyl Acetate                 | 0.000375U       | 0.00500        | 0.000375         | mg/L        |
| 108-87-2        | Methylcyclohexane              | 0.0000921U      | 0.00500        | 0.0000921        | mg/L        |
| 75-09-2         | Methylene chloride             | 0.0000765U      | 0.010          | 0.0000765        | mg/L        |
| 91-20-3         | Naphthalene                    | 0.000245U       | 0.00500        | 0.000245         | mg/L        |
| 100-42-5        | Styrene                        | 0.0000821U      | 0.00500        | 0.0000821        | mg/L        |
| 127-18-4        | Tetrachloroethene              | 0.000200U       | 0.00500        | 0.000200         | mg/L        |
| 108-88-3        | Toluene                        | 0.0000675U      | 0.00500        | 0.0000675        | mg/L        |
| <b>79-01-6</b>  | <b>Trichloroethene</b>         | <b>0.133</b>    | <b>0.00500</b> | <b>0.000164</b>  | <b>mg/L</b> |
| 75-69-4         | Trichlorofluoromethane         | 0.0000638U      | 0.00500        | 0.0000638        | mg/L        |
| 76-13-1         | Trichlorotrifluoroethane       | 0.000168U       | 0.00500        | 0.000168         | mg/L        |
| 75-01-4         | Vinyl chloride                 | 0.0000538U      | 0.00500        | 0.0000538        | mg/L        |
| 1330-20-7       | Xylene (total)                 | 0.000194U       | 0.010          | 0.000194         | mg/L        |
| <b>156-59-2</b> | <b>cis-1,2-Dichloroethene</b>  | <b>0.00397J</b> | <b>0.00500</b> | <b>0.0000745</b> | <b>mg/L</b> |
| 1634-04-4       | tert-Butyl methyl ether (MTBE) | 0.0000756U      | 0.00500        | 0.0000756        | mg/L        |
| 156-60-5        | trans-1,2-Dichloroethene       | 0.0000573U      | 0.00500        | 0.0000573        | mg/L        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20807032005    | MW-8             | Water         | 07/01/2008 16:21         | 07/03/2008 09:20         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 07/13/2008 20:17 | JCK       | 392648                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .048      | mg/L  | 95         | 75 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .052      | mg/L  | 103        | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .055      | mg/L  | 110        | 85 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .05       | mg/L  | 101        | 70 - 120   |

|                               |                          |                        |  |  |
|-------------------------------|--------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20807032006 | <b>Client ID</b><br>MW-9 | <b>Matrix</b><br>Water | <b>Collect Date/Time</b><br>07/02/2008 10:31 | <b>Receive Date/Time</b><br>07/03/2008 09:20 |
|-------------------------------|--------------------------|------------------------|--|--|

SW-846 8260B

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>07/14/2008 00:20 | <b>By</b><br>ADI | <b>Analytical Batch</b><br>392648 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#           | Parameter                      | Result          | RDL          | MDL              | Units       |
|----------------|--------------------------------|-----------------|--------------|------------------|-------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.0000683U      | 0.00500      | 0.0000683        | mg/L        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000148U       | 0.00500      | 0.000148         | mg/L        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000146U       | 0.00500      | 0.000146         | mg/L        |
| 75-34-3        | 1,1-Dichloroethane             | 0.0000801U      | 0.00500      | 0.0000801        | mg/L        |
| 75-35-4        | 1,1-Dichloroethene             | 0.0000961U      | 0.00500      | 0.0000961        | mg/L        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000223U       | 0.00500      | 0.000223         | mg/L        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.000356U       | 0.00500      | 0.000356         | mg/L        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000158U       | 0.00500      | 0.000158         | mg/L        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000109U       | 0.00500      | 0.000109         | mg/L        |
| 107-06-2       | 1,2-Dichloroethane             | 0.0000663U      | 0.00500      | 0.0000663        | mg/L        |
| 78-87-5        | 1,2-Dichloropropane            | 0.0000555U      | 0.00500      | 0.0000555        | mg/L        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.0000861U      | 0.00500      | 0.0000861        | mg/L        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.0000961U      | 0.00500      | 0.0000961        | mg/L        |
| 78-93-3        | 2-Butanone                     | 0.000487U       | 0.00500      | 0.000487         | mg/L        |
| 591-78-6       | 2-Hexanone                     | 0.000308U       | 0.00500      | 0.000308         | mg/L        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000113U       | 0.00500      | 0.000113         | mg/L        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.00472J</b> | <b>0.025</b> | <b>0.0000638</b> | <b>mg/L</b> |
| 71-43-2        | Benzene                        | 0.0000624U      | 0.00500      | 0.0000624        | mg/L        |
| 75-27-4        | Bromodichloromethane           | 0.0000875U      | 0.00500      | 0.0000875        | mg/L        |
| 75-25-2        | Bromoform                      | 0.0000947U      | 0.00500      | 0.0000947        | mg/L        |
| 74-83-9        | Bromomethane                   | 0.000252U       | 0.00500      | 0.000252         | mg/L        |
| 75-15-0        | Carbon disulfide               | 0.000184U       | 0.00500      | 0.000184         | mg/L        |
| 56-23-5        | Carbon tetrachloride           | 0.0000825U      | 0.00500      | 0.0000825        | mg/L        |
| 108-90-7       | Chlorobenzene                  | 0.0000631U      | 0.00500      | 0.0000631        | mg/L        |
| 75-00-3        | Chloroethane                   | 0.0000618U      | 0.00500      | 0.0000618        | mg/L        |
| 67-66-3        | Chloroform                     | 0.0000426U      | 0.00500      | 0.0000426        | mg/L        |
| 74-87-3        | Chloromethane                  | 0.000249U       | 0.00500      | 0.000249         | mg/L        |
| 110-82-7       | Cyclohexane                    | 0.0000722U      | 0.00500      | 0.0000722        | mg/L        |
| 124-48-1       | Dibromochloromethane           | 0.0000637U      | 0.00500      | 0.0000637        | mg/L        |
| 75-71-8        | Dichlorodifluoromethane        | 0.0000680U      | 0.00500      | 0.0000680        | mg/L        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.0000746U      | 0.00500      | 0.0000746        | mg/L        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.0000702U      | 0.00500      | 0.0000702        | mg/L        |
| 100-41-4       | Ethylbenzene                   | 0.0000924U      | 0.00500      | 0.0000924        | mg/L        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.0000569U      | 0.00500      | 0.0000569        | mg/L        |
| 79-20-9        | Methyl Acetate                 | 0.000375U       | 0.00500      | 0.000375         | mg/L        |
| 108-87-2       | Methylcyclohexane              | 0.0000921U      | 0.00500      | 0.0000921        | mg/L        |
| 75-09-2        | Methylene chloride             | 0.0000765U      | 0.010        | 0.0000765        | mg/L        |
| 91-20-3        | Naphthalene                    | 0.000245U       | 0.00500      | 0.000245         | mg/L        |
| 100-42-5       | Styrene                        | 0.0000821U      | 0.00500      | 0.0000821        | mg/L        |
| 127-18-4       | Tetrachloroethene              | 0.000200U       | 0.00500      | 0.000200         | mg/L        |
| 108-88-3       | Toluene                        | 0.0000675U      | 0.00500      | 0.0000675        | mg/L        |
| 79-01-6        | Trichloroethene                | 0.000164U       | 0.00500      | 0.000164         | mg/L        |
| 75-69-4        | Trichlorofluoromethane         | 0.0000638U      | 0.00500      | 0.0000638        | mg/L        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000168U       | 0.00500      | 0.000168         | mg/L        |
| 75-01-4        | Vinyl chloride                 | 0.0000538U      | 0.00500      | 0.0000538        | mg/L        |
| 1330-20-7      | Xylene (total)                 | 0.000194U       | 0.010        | 0.000194         | mg/L        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.0000745U      | 0.00500      | 0.0000745        | mg/L        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.0000756U      | 0.00500      | 0.0000756        | mg/L        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.0000573U      | 0.00500      | 0.0000573        | mg/L        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20807032006    | MW-9             | Water         | 07/02/2008 10:31         | 07/03/2008 09:20         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 07/14/2008 00:20 | ADI       | 392648                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .048      | mg/L  | 95         | 75 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .051      | mg/L  | 101        | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .055      | mg/L  | 111        | 85 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .05       | mg/L  | 100        | 70 - 120   |

|                               |                           |                        |  |  |
|-------------------------------|---------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20807032007 | <b>Client ID</b><br>DUP-1 | <b>Matrix</b><br>Water | <b>Collect Date/Time</b><br>07/01/2008 00:00 | <b>Receive Date/Time</b><br>07/03/2008 09:20 |
|-------------------------------|---------------------------|------------------------|--|--|

SW-846 8260B

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>07/13/2008 20:39 | <b>By</b><br>JCK | <b>Analytical Batch</b><br>392648 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#            | Parameter                      | Result          | RDL            | MDL              | Units       |
|-----------------|--------------------------------|-----------------|----------------|------------------|-------------|
| 71-55-6         | 1,1,1-Trichloroethane          | 0.0000683U      | 0.00500        | 0.0000683        | mg/L        |
| 79-34-5         | 1,1,2,2-Tetrachloroethane      | 0.000148U       | 0.00500        | 0.000148         | mg/L        |
| 79-00-5         | 1,1,2-Trichloroethane          | 0.000146U       | 0.00500        | 0.000146         | mg/L        |
| 75-34-3         | 1,1-Dichloroethane             | 0.0000801U      | 0.00500        | 0.0000801        | mg/L        |
| 75-35-4         | 1,1-Dichloroethene             | 0.0000961U      | 0.00500        | 0.0000961        | mg/L        |
| 120-82-1        | 1,2,4-Trichlorobenzene         | 0.000223U       | 0.00500        | 0.000223         | mg/L        |
| 96-12-8         | 1,2-Dibromo-3-chloropropane    | 0.000356U       | 0.00500        | 0.000356         | mg/L        |
| 106-93-4        | 1,2-Dibromoethane              | 0.000158U       | 0.00500        | 0.000158         | mg/L        |
| 95-50-1         | 1,2-Dichlorobenzene            | 0.000109U       | 0.00500        | 0.000109         | mg/L        |
| 107-06-2        | 1,2-Dichloroethane             | 0.0000663U      | 0.00500        | 0.0000663        | mg/L        |
| 78-87-5         | 1,2-Dichloropropane            | 0.0000555U      | 0.00500        | 0.0000555        | mg/L        |
| 541-73-1        | 1,3-Dichlorobenzene            | 0.0000861U      | 0.00500        | 0.0000861        | mg/L        |
| 106-46-7        | 1,4-Dichlorobenzene            | 0.0000961U      | 0.00500        | 0.0000961        | mg/L        |
| 78-93-3         | 2-Butanone                     | 0.000487U       | 0.00500        | 0.000487         | mg/L        |
| 591-78-6        | 2-Hexanone                     | 0.000308U       | 0.00500        | 0.000308         | mg/L        |
| 108-10-1        | 4-Methyl-2-pentanone           | 0.000113U       | 0.00500        | 0.000113         | mg/L        |
| <b>67-64-1</b>  | <b>Acetone</b>                 | <b>0.00430J</b> | <b>0.025</b>   | <b>0.0000638</b> | <b>mg/L</b> |
| 71-43-2         | Benzene                        | 0.0000624U      | 0.00500        | 0.0000624        | mg/L        |
| 75-27-4         | Bromodichloromethane           | 0.0000875U      | 0.00500        | 0.0000875        | mg/L        |
| 75-25-2         | Bromoform                      | 0.0000947U      | 0.00500        | 0.0000947        | mg/L        |
| 74-83-9         | Bromomethane                   | 0.000252U       | 0.00500        | 0.000252         | mg/L        |
| 75-15-0         | Carbon disulfide               | 0.000184U       | 0.00500        | 0.000184         | mg/L        |
| 56-23-5         | Carbon tetrachloride           | 0.0000825U      | 0.00500        | 0.0000825        | mg/L        |
| 108-90-7        | Chlorobenzene                  | 0.0000631U      | 0.00500        | 0.0000631        | mg/L        |
| 75-00-3         | Chloroethane                   | 0.0000618U      | 0.00500        | 0.0000618        | mg/L        |
| 67-66-3         | Chloroform                     | 0.0000426U      | 0.00500        | 0.0000426        | mg/L        |
| 74-87-3         | Chloromethane                  | 0.000249U       | 0.00500        | 0.000249         | mg/L        |
| 110-82-7        | Cyclohexane                    | 0.0000722U      | 0.00500        | 0.0000722        | mg/L        |
| 124-48-1        | Dibromochloromethane           | 0.0000637U      | 0.00500        | 0.0000637        | mg/L        |
| 75-71-8         | Dichlorodifluoromethane        | 0.0000680U      | 0.00500        | 0.0000680        | mg/L        |
| 10061-01-5      | cis-1,3-Dichloropropene        | 0.0000746U      | 0.00500        | 0.0000746        | mg/L        |
| 10061-02-6      | trans-1,3-Dichloropropene      | 0.0000702U      | 0.00500        | 0.0000702        | mg/L        |
| 100-41-4        | Ethylbenzene                   | 0.0000924U      | 0.00500        | 0.0000924        | mg/L        |
| 98-82-8         | Isopropylbenzene (Cumene)      | 0.0000569U      | 0.00500        | 0.0000569        | mg/L        |
| 79-20-9         | Methyl Acetate                 | 0.000375U       | 0.00500        | 0.000375         | mg/L        |
| 108-87-2        | Methylcyclohexane              | 0.0000921U      | 0.00500        | 0.0000921        | mg/L        |
| 75-09-2         | Methylene chloride             | 0.0000765U      | 0.010          | 0.0000765        | mg/L        |
| 91-20-3         | Naphthalene                    | 0.000245U       | 0.00500        | 0.000245         | mg/L        |
| 100-42-5        | Styrene                        | 0.0000821U      | 0.00500        | 0.0000821        | mg/L        |
| 127-18-4        | Tetrachloroethene              | 0.000200U       | 0.00500        | 0.000200         | mg/L        |
| 108-88-3        | Toluene                        | 0.0000675U      | 0.00500        | 0.0000675        | mg/L        |
| <b>79-01-6</b>  | <b>Trichloroethene</b>         | <b>0.129</b>    | <b>0.00500</b> | <b>0.000164</b>  | <b>mg/L</b> |
| 75-69-4         | Trichlorofluoromethane         | 0.0000638U      | 0.00500        | 0.0000638        | mg/L        |
| 76-13-1         | Trichlorotrifluoroethane       | 0.000168U       | 0.00500        | 0.000168         | mg/L        |
| 75-01-4         | Vinyl chloride                 | 0.0000538U      | 0.00500        | 0.0000538        | mg/L        |
| 1330-20-7       | Xylene (total)                 | 0.000194U       | 0.010          | 0.000194         | mg/L        |
| <b>156-59-2</b> | <b>cis-1,2-Dichloroethene</b>  | <b>0.00437J</b> | <b>0.00500</b> | <b>0.0000745</b> | <b>mg/L</b> |
| 1634-04-4       | tert-Butyl methyl ether (MTBE) | 0.0000756U      | 0.00500        | 0.0000756        | mg/L        |
| 156-60-5        | trans-1,2-Dichloroethene       | 0.0000573U      | 0.00500        | 0.0000573        | mg/L        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20807032007    | DUP-1            | Water         | 07/01/2008 00:00         | 07/03/2008 09:20         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 07/13/2008 20:39 | JCK       | 392648                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .048      | mg/L  | 96         | 75 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .051      | mg/L  | 102        | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .056      | mg/L  | 111        | 85 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .05       | mg/L  | 100        | 70 - 120   |

|                               |                             |                        |  |  |
|-------------------------------|-----------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20807032008 | <b>Client ID</b><br>RINSE-1 | <b>Matrix</b><br>Water | <b>Collect Date/Time</b><br>07/01/2008 00:00 | <b>Receive Date/Time</b><br>07/03/2008 09:20 |
|-------------------------------|-----------------------------|------------------------|--|--|

SW-846 8260B

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>07/14/2008 00:42 | <b>By</b><br>ADI | <b>Analytical Batch</b><br>392648 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#           | Parameter                      | Result           | RDL            | MDL              | Units       |
|----------------|--------------------------------|------------------|----------------|------------------|-------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.0000683U       | 0.00500        | 0.0000683        | mg/L        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000148U        | 0.00500        | 0.000148         | mg/L        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000146U        | 0.00500        | 0.000146         | mg/L        |
| 75-34-3        | 1,1-Dichloroethane             | 0.0000801U       | 0.00500        | 0.0000801        | mg/L        |
| 75-35-4        | 1,1-Dichloroethene             | 0.0000961U       | 0.00500        | 0.0000961        | mg/L        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000223U        | 0.00500        | 0.000223         | mg/L        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.000356U        | 0.00500        | 0.000356         | mg/L        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000158U        | 0.00500        | 0.000158         | mg/L        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000109U        | 0.00500        | 0.000109         | mg/L        |
| 107-06-2       | 1,2-Dichloroethane             | 0.0000663U       | 0.00500        | 0.0000663        | mg/L        |
| 78-87-5        | 1,2-Dichloropropane            | 0.0000555U       | 0.00500        | 0.0000555        | mg/L        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.0000861U       | 0.00500        | 0.0000861        | mg/L        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.0000961U       | 0.00500        | 0.0000961        | mg/L        |
| 78-93-3        | 2-Butanone                     | 0.000487U        | 0.00500        | 0.000487         | mg/L        |
| 591-78-6       | 2-Hexanone                     | 0.000308U        | 0.00500        | 0.000308         | mg/L        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000113U        | 0.00500        | 0.000113         | mg/L        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.00366J</b>  | <b>0.025</b>   | <b>0.0000638</b> | <b>mg/L</b> |
| 71-43-2        | Benzene                        | 0.0000624U       | 0.00500        | 0.0000624        | mg/L        |
| 75-27-4        | Bromodichloromethane           | 0.0000875U       | 0.00500        | 0.0000875        | mg/L        |
| 75-25-2        | Bromoform                      | 0.0000947U       | 0.00500        | 0.0000947        | mg/L        |
| 74-83-9        | Bromomethane                   | 0.000252U        | 0.00500        | 0.000252         | mg/L        |
| 75-15-0        | Carbon disulfide               | 0.000184U        | 0.00500        | 0.000184         | mg/L        |
| 56-23-5        | Carbon tetrachloride           | 0.0000825U       | 0.00500        | 0.0000825        | mg/L        |
| 108-90-7       | Chlorobenzene                  | 0.0000631U       | 0.00500        | 0.0000631        | mg/L        |
| 75-00-3        | Chloroethane                   | 0.0000618U       | 0.00500        | 0.0000618        | mg/L        |
| 67-66-3        | Chloroform                     | 0.0000426U       | 0.00500        | 0.0000426        | mg/L        |
| <b>74-87-3</b> | <b>Chloromethane</b>           | <b>0.000884J</b> | <b>0.00500</b> | <b>0.000249</b>  | <b>mg/L</b> |
| 110-82-7       | Cyclohexane                    | 0.0000722U       | 0.00500        | 0.0000722        | mg/L        |
| 124-48-1       | Dibromochloromethane           | 0.0000637U       | 0.00500        | 0.0000637        | mg/L        |
| 75-71-8        | Dichlorodifluoromethane        | 0.0000680U       | 0.00500        | 0.0000680        | mg/L        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.0000746U       | 0.00500        | 0.0000746        | mg/L        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.0000702U       | 0.00500        | 0.0000702        | mg/L        |
| 100-41-4       | Ethylbenzene                   | 0.0000924U       | 0.00500        | 0.0000924        | mg/L        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.0000569U       | 0.00500        | 0.0000569        | mg/L        |
| 79-20-9        | Methyl Acetate                 | 0.000375U        | 0.00500        | 0.000375         | mg/L        |
| 108-87-2       | Methylcyclohexane              | 0.0000921U       | 0.00500        | 0.0000921        | mg/L        |
| <b>75-09-2</b> | <b>Methylene chloride</b>      | <b>0.000797J</b> | <b>0.010</b>   | <b>0.0000765</b> | <b>mg/L</b> |
| 91-20-3        | Naphthalene                    | 0.000245U        | 0.00500        | 0.000245         | mg/L        |
| 100-42-5       | Styrene                        | 0.0000821U       | 0.00500        | 0.0000821        | mg/L        |
| 127-18-4       | Tetrachloroethene              | 0.000200U        | 0.00500        | 0.000200         | mg/L        |
| 108-88-3       | Toluene                        | 0.0000675U       | 0.00500        | 0.0000675        | mg/L        |
| 79-01-6        | Trichloroethene                | 0.000164U        | 0.00500        | 0.000164         | mg/L        |
| 75-69-4        | Trichlorofluoromethane         | 0.0000638U       | 0.00500        | 0.0000638        | mg/L        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000168U        | 0.00500        | 0.000168         | mg/L        |
| 75-01-4        | Vinyl chloride                 | 0.0000538U       | 0.00500        | 0.0000538        | mg/L        |
| 1330-20-7      | Xylene (total)                 | 0.000194U        | 0.010          | 0.000194         | mg/L        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.0000745U       | 0.00500        | 0.0000745        | mg/L        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.0000756U       | 0.00500        | 0.0000756        | mg/L        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.0000573U       | 0.00500        | 0.0000573        | mg/L        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20807032008    | RINSE-1          | Water         | 07/01/2008 00:00         | 07/03/2008 09:20         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 07/14/2008 00:42 | ADI       | 392648                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .047      | mg/L  | 94         | 75 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .052      | mg/L  | 104        | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .055      | mg/L  | 111        | 85 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .05       | mg/L  | 99         | 70 - 120   |

|                               |                              |                        |  |  |
|-------------------------------|------------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20807032009 | <b>Client ID</b><br>OMS-28-5 | <b>Matrix</b><br>Water | <b>Collect Date/Time</b><br>07/02/2008 11:21 | <b>Receive Date/Time</b><br>07/03/2008 09:20 |
|-------------------------------|------------------------------|------------------------|--|--|

SW-846 8260B

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>07/13/2008 21:01 | <b>By</b><br>JCK | <b>Analytical Batch</b><br>392648 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#            | Parameter                       | Result           | RDL            | MDL              | Units       |
|-----------------|---------------------------------|------------------|----------------|------------------|-------------|
| 71-55-6         | 1,1,1-Trichloroethane           | 0.0000683U       | 0.00500        | 0.0000683        | mg/L        |
| 79-34-5         | 1,1,2,2-Tetrachloroethane       | 0.000148U        | 0.00500        | 0.000148         | mg/L        |
| 79-00-5         | 1,1,2-Trichloroethane           | 0.000146U        | 0.00500        | 0.000146         | mg/L        |
| 75-34-3         | 1,1-Dichloroethane              | 0.0000801U       | 0.00500        | 0.0000801        | mg/L        |
| 75-35-4         | 1,1-Dichloroethene              | 0.0000961U       | 0.00500        | 0.0000961        | mg/L        |
| 120-82-1        | 1,2,4-Trichlorobenzene          | 0.000223U        | 0.00500        | 0.000223         | mg/L        |
| 96-12-8         | 1,2-Dibromo-3-chloropropane     | 0.000356U        | 0.00500        | 0.000356         | mg/L        |
| 106-93-4        | 1,2-Dibromoethane               | 0.000158U        | 0.00500        | 0.000158         | mg/L        |
| 95-50-1         | 1,2-Dichlorobenzene             | 0.000109U        | 0.00500        | 0.000109         | mg/L        |
| 107-06-2        | 1,2-Dichloroethane              | 0.0000663U       | 0.00500        | 0.0000663        | mg/L        |
| 78-87-5         | 1,2-Dichloropropane             | 0.0000555U       | 0.00500        | 0.0000555        | mg/L        |
| 541-73-1        | 1,3-Dichlorobenzene             | 0.0000861U       | 0.00500        | 0.0000861        | mg/L        |
| 106-46-7        | 1,4-Dichlorobenzene             | 0.0000961U       | 0.00500        | 0.0000961        | mg/L        |
| 78-93-3         | 2-Butanone                      | 0.000487U        | 0.00500        | 0.000487         | mg/L        |
| 591-78-6        | 2-Hexanone                      | 0.000308U        | 0.00500        | 0.000308         | mg/L        |
| 108-10-1        | 4-Methyl-2-pentanone            | 0.000113U        | 0.00500        | 0.000113         | mg/L        |
| <b>67-64-1</b>  | <b>Acetone</b>                  | <b>0.00355J</b>  | <b>0.025</b>   | <b>0.0000638</b> | <b>mg/L</b> |
| 71-43-2         | Benzene                         | 0.0000624U       | 0.00500        | 0.0000624        | mg/L        |
| 75-27-4         | Bromodichloromethane            | 0.0000875U       | 0.00500        | 0.0000875        | mg/L        |
| 75-25-2         | Bromoform                       | 0.0000947U       | 0.00500        | 0.0000947        | mg/L        |
| 74-83-9         | Bromomethane                    | 0.000252U        | 0.00500        | 0.000252         | mg/L        |
| 75-15-0         | Carbon disulfide                | 0.000184U        | 0.00500        | 0.000184         | mg/L        |
| 56-23-5         | Carbon tetrachloride            | 0.0000825U       | 0.00500        | 0.0000825        | mg/L        |
| 108-90-7        | Chlorobenzene                   | 0.0000631U       | 0.00500        | 0.0000631        | mg/L        |
| 75-00-3         | Chloroethane                    | 0.0000618U       | 0.00500        | 0.0000618        | mg/L        |
| 67-66-3         | Chloroform                      | 0.0000426U       | 0.00500        | 0.0000426        | mg/L        |
| 74-87-3         | Chloromethane                   | 0.000249U        | 0.00500        | 0.000249         | mg/L        |
| 110-82-7        | Cyclohexane                     | 0.0000722U       | 0.00500        | 0.0000722        | mg/L        |
| 124-48-1        | Dibromochloromethane            | 0.0000637U       | 0.00500        | 0.0000637        | mg/L        |
| 75-71-8         | Dichlorodifluoromethane         | 0.0000680U       | 0.00500        | 0.0000680        | mg/L        |
| 10061-01-5      | cis-1,3-Dichloropropene         | 0.0000746U       | 0.00500        | 0.0000746        | mg/L        |
| 10061-02-6      | trans-1,3-Dichloropropene       | 0.0000702U       | 0.00500        | 0.0000702        | mg/L        |
| 100-41-4        | Ethylbenzene                    | 0.0000924U       | 0.00500        | 0.0000924        | mg/L        |
| 98-82-8         | Isopropylbenzene (Cumene)       | 0.0000569U       | 0.00500        | 0.0000569        | mg/L        |
| 79-20-9         | Methyl Acetate                  | 0.000375U        | 0.00500        | 0.000375         | mg/L        |
| 108-87-2        | Methylcyclohexane               | 0.0000921U       | 0.00500        | 0.0000921        | mg/L        |
| 75-09-2         | Methylene chloride              | 0.0000765U       | 0.010          | 0.0000765        | mg/L        |
| 91-20-3         | Naphthalene                     | 0.000245U        | 0.00500        | 0.000245         | mg/L        |
| 100-42-5        | Styrene                         | 0.0000821U       | 0.00500        | 0.0000821        | mg/L        |
| <b>127-18-4</b> | <b>Tetrachloroethene</b>        | <b>0.130</b>     | <b>0.00500</b> | <b>0.000200</b>  | <b>mg/L</b> |
| 108-88-3        | Toluene                         | 0.0000675U       | 0.00500        | 0.0000675        | mg/L        |
| <b>79-01-6</b>  | <b>Trichloroethene</b>          | <b>0.039</b>     | <b>0.00500</b> | <b>0.000164</b>  | <b>mg/L</b> |
| 75-69-4         | Trichlorofluoromethane          | 0.0000638U       | 0.00500        | 0.0000638        | mg/L        |
| 76-13-1         | Trichlorotrifluoroethane        | 0.000168U        | 0.00500        | 0.000168         | mg/L        |
| 75-01-4         | Vinyl chloride                  | 0.0000538U       | 0.00500        | 0.0000538        | mg/L        |
| 1330-20-7       | Xylene (total)                  | 0.000194U        | 0.010          | 0.000194         | mg/L        |
| <b>156-59-2</b> | <b>cis-1,2-Dichloroethene</b>   | <b>0.012</b>     | <b>0.00500</b> | <b>0.0000745</b> | <b>mg/L</b> |
| 1634-04-4       | tert-Butyl methyl ether (MTBE)  | 0.0000756U       | 0.00500        | 0.0000756        | mg/L        |
| <b>156-60-5</b> | <b>trans-1,2-Dichloroethene</b> | <b>0.000671J</b> | <b>0.00500</b> | <b>0.0000573</b> | <b>mg/L</b> |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20807032009    | OMS-28-5         | Water         | 07/02/2008 11:21         | 07/03/2008 09:20         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 07/13/2008 21:01 | JCK       | 392648                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .047      | mg/L  | 94         | 75 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .051      | mg/L  | 103        | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .055      | mg/L  | 110        | 85 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .05       | mg/L  | 100        | 70 - 120   |

|                               |                              |                        |  |  |
|-------------------------------|------------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20807032010 | <b>Client ID</b><br>OMS-28-3 | <b>Matrix</b><br>Water | <b>Collect Date/Time</b><br>07/02/2008 12:21 | <b>Receive Date/Time</b><br>07/03/2008 09:20 |
|-------------------------------|------------------------------|------------------------|--|--|

SW-846 8260B

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>07/14/2008 01:04 | <b>By</b><br>ADI | <b>Analytical Batch</b><br>392648 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#            | Parameter                      | Result           | RDL            | MDL              | Units       |
|-----------------|--------------------------------|------------------|----------------|------------------|-------------|
| 71-55-6         | 1,1,1-Trichloroethane          | 0.0000683U       | 0.00500        | 0.0000683        | mg/L        |
| 79-34-5         | 1,1,2,2-Tetrachloroethane      | 0.000148U        | 0.00500        | 0.000148         | mg/L        |
| 79-00-5         | 1,1,2-Trichloroethane          | 0.000146U        | 0.00500        | 0.000146         | mg/L        |
| 75-34-3         | 1,1-Dichloroethane             | 0.0000801U       | 0.00500        | 0.0000801        | mg/L        |
| 75-35-4         | 1,1-Dichloroethene             | 0.0000961U       | 0.00500        | 0.0000961        | mg/L        |
| 120-82-1        | 1,2,4-Trichlorobenzene         | 0.000223U        | 0.00500        | 0.000223         | mg/L        |
| 96-12-8         | 1,2-Dibromo-3-chloropropane    | 0.000356U        | 0.00500        | 0.000356         | mg/L        |
| 106-93-4        | 1,2-Dibromoethane              | 0.000158U        | 0.00500        | 0.000158         | mg/L        |
| 95-50-1         | 1,2-Dichlorobenzene            | 0.000109U        | 0.00500        | 0.000109         | mg/L        |
| 107-06-2        | 1,2-Dichloroethane             | 0.0000663U       | 0.00500        | 0.0000663        | mg/L        |
| 78-87-5         | 1,2-Dichloropropane            | 0.0000555U       | 0.00500        | 0.0000555        | mg/L        |
| 541-73-1        | 1,3-Dichlorobenzene            | 0.0000861U       | 0.00500        | 0.0000861        | mg/L        |
| 106-46-7        | 1,4-Dichlorobenzene            | 0.0000961U       | 0.00500        | 0.0000961        | mg/L        |
| 78-93-3         | 2-Butanone                     | 0.000487U        | 0.00500        | 0.000487         | mg/L        |
| 591-78-6        | 2-Hexanone                     | 0.000308U        | 0.00500        | 0.000308         | mg/L        |
| 108-10-1        | 4-Methyl-2-pentanone           | 0.000113U        | 0.00500        | 0.000113         | mg/L        |
| <b>67-64-1</b>  | <b>Acetone</b>                 | <b>0.00218J</b>  | <b>0.025</b>   | <b>0.0000638</b> | <b>mg/L</b> |
| 71-43-2         | Benzene                        | 0.0000624U       | 0.00500        | 0.0000624        | mg/L        |
| 75-27-4         | Bromodichloromethane           | 0.0000875U       | 0.00500        | 0.0000875        | mg/L        |
| 75-25-2         | Bromoform                      | 0.0000947U       | 0.00500        | 0.0000947        | mg/L        |
| 74-83-9         | Bromomethane                   | 0.000252U        | 0.00500        | 0.000252         | mg/L        |
| 75-15-0         | Carbon disulfide               | 0.000184U        | 0.00500        | 0.000184         | mg/L        |
| 56-23-5         | Carbon tetrachloride           | 0.0000825U       | 0.00500        | 0.0000825        | mg/L        |
| 108-90-7        | Chlorobenzene                  | 0.0000631U       | 0.00500        | 0.0000631        | mg/L        |
| 75-00-3         | Chloroethane                   | 0.0000618U       | 0.00500        | 0.0000618        | mg/L        |
| <b>67-66-3</b>  | <b>Chloroform</b>              | <b>0.000252J</b> | <b>0.00500</b> | <b>0.0000426</b> | <b>mg/L</b> |
| <b>74-87-3</b>  | <b>Chloromethane</b>           | <b>0.000835J</b> | <b>0.00500</b> | <b>0.000249</b>  | <b>mg/L</b> |
| 110-82-7        | Cyclohexane                    | 0.0000722U       | 0.00500        | 0.0000722        | mg/L        |
| 124-48-1        | Dibromochloromethane           | 0.0000637U       | 0.00500        | 0.0000637        | mg/L        |
| 75-71-8         | Dichlorodifluoromethane        | 0.0000680U       | 0.00500        | 0.0000680        | mg/L        |
| 10061-01-5      | cis-1,3-Dichloropropene        | 0.0000746U       | 0.00500        | 0.0000746        | mg/L        |
| 10061-02-6      | trans-1,3-Dichloropropene      | 0.0000702U       | 0.00500        | 0.0000702        | mg/L        |
| 100-41-4        | Ethylbenzene                   | 0.0000924U       | 0.00500        | 0.0000924        | mg/L        |
| 98-82-8         | Isopropylbenzene (Cumene)      | 0.0000569U       | 0.00500        | 0.0000569        | mg/L        |
| 79-20-9         | Methyl Acetate                 | 0.000375U        | 0.00500        | 0.000375         | mg/L        |
| 108-87-2        | Methylcyclohexane              | 0.0000921U       | 0.00500        | 0.0000921        | mg/L        |
| 75-09-2         | Methylene chloride             | 0.0000765U       | 0.010          | 0.0000765        | mg/L        |
| 91-20-3         | Naphthalene                    | 0.000245U        | 0.00500        | 0.000245         | mg/L        |
| 100-42-5        | Styrene                        | 0.0000821U       | 0.00500        | 0.0000821        | mg/L        |
| 127-18-4        | Tetrachloroethene              | 0.000200U        | 0.00500        | 0.000200         | mg/L        |
| 108-88-3        | Toluene                        | 0.0000675U       | 0.00500        | 0.0000675        | mg/L        |
| <b>79-01-6</b>  | <b>Trichloroethene</b>         | <b>0.080</b>     | <b>0.00500</b> | <b>0.000164</b>  | <b>mg/L</b> |
| 75-69-4         | Trichlorofluoromethane         | 0.0000638U       | 0.00500        | 0.0000638        | mg/L        |
| 76-13-1         | Trichlorotrifluoroethane       | 0.000168U        | 0.00500        | 0.000168         | mg/L        |
| 75-01-4         | Vinyl chloride                 | 0.0000538U       | 0.00500        | 0.0000538        | mg/L        |
| 1330-20-7       | Xylene (total)                 | 0.000194U        | 0.010          | 0.000194         | mg/L        |
| <b>156-59-2</b> | <b>cis-1,2-Dichloroethene</b>  | <b>0.00626</b>   | <b>0.00500</b> | <b>0.0000745</b> | <b>mg/L</b> |
| 1634-04-4       | tert-Butyl methyl ether (MTBE) | 0.0000756U       | 0.00500        | 0.0000756        | mg/L        |
| 156-60-5        | trans-1,2-Dichloroethene       | 0.0000573U       | 0.00500        | 0.0000573        | mg/L        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20807032010    | OMS-28-3         | Water         | 07/02/2008 12:21         | 07/03/2008 09:20         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 07/14/2008 01:04 | ADI       | 392648                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .047      | mg/L  | 94         | 75 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .051      | mg/L  | 102        | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .055      | mg/L  | 110        | 85 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .051      | mg/L  | 101        | 70 - 120   |

|                               |                              |                        |  |  |
|-------------------------------|------------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20807032011 | <b>Client ID</b><br>OMS-28-2 | <b>Matrix</b><br>Water | <b>Collect Date/Time</b><br>07/02/2008 13:16 | <b>Receive Date/Time</b><br>07/03/2008 09:20 |
|-------------------------------|------------------------------|------------------------|--|--|

SW-846 8260B

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>07/14/2008 01:27 | <b>By</b><br>ADI | <b>Analytical Batch</b><br>392648 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#           | Parameter                      | Result          | RDL            | MDL              | Units       |
|----------------|--------------------------------|-----------------|----------------|------------------|-------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.0000683U      | 0.00500        | 0.0000683        | mg/L        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000148U       | 0.00500        | 0.000148         | mg/L        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000146U       | 0.00500        | 0.000146         | mg/L        |
| 75-34-3        | 1,1-Dichloroethane             | 0.0000801U      | 0.00500        | 0.0000801        | mg/L        |
| 75-35-4        | 1,1-Dichloroethene             | 0.0000961U      | 0.00500        | 0.0000961        | mg/L        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000223U       | 0.00500        | 0.000223         | mg/L        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.000356U       | 0.00500        | 0.000356         | mg/L        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000158U       | 0.00500        | 0.000158         | mg/L        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000109U       | 0.00500        | 0.000109         | mg/L        |
| 107-06-2       | 1,2-Dichloroethane             | 0.0000663U      | 0.00500        | 0.0000663        | mg/L        |
| 78-87-5        | 1,2-Dichloropropane            | 0.0000555U      | 0.00500        | 0.0000555        | mg/L        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.0000861U      | 0.00500        | 0.0000861        | mg/L        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.0000961U      | 0.00500        | 0.0000961        | mg/L        |
| 78-93-3        | 2-Butanone                     | 0.000487U       | 0.00500        | 0.000487         | mg/L        |
| 591-78-6       | 2-Hexanone                     | 0.000308U       | 0.00500        | 0.000308         | mg/L        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000113U       | 0.00500        | 0.000113         | mg/L        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.00338J</b> | <b>0.025</b>   | <b>0.0000638</b> | <b>mg/L</b> |
| 71-43-2        | Benzene                        | 0.0000624U      | 0.00500        | 0.0000624        | mg/L        |
| 75-27-4        | Bromodichloromethane           | 0.0000875U      | 0.00500        | 0.0000875        | mg/L        |
| 75-25-2        | Bromoform                      | 0.0000947U      | 0.00500        | 0.0000947        | mg/L        |
| 74-83-9        | Bromomethane                   | 0.000252U       | 0.00500        | 0.000252         | mg/L        |
| 75-15-0        | Carbon disulfide               | 0.000184U       | 0.00500        | 0.000184         | mg/L        |
| 56-23-5        | Carbon tetrachloride           | 0.0000825U      | 0.00500        | 0.0000825        | mg/L        |
| 108-90-7       | Chlorobenzene                  | 0.0000631U      | 0.00500        | 0.0000631        | mg/L        |
| 75-00-3        | Chloroethane                   | 0.0000618U      | 0.00500        | 0.0000618        | mg/L        |
| 67-66-3        | Chloroform                     | 0.0000426U      | 0.00500        | 0.0000426        | mg/L        |
| <b>74-87-3</b> | <b>Chloromethane</b>           | <b>0.00111J</b> | <b>0.00500</b> | <b>0.000249</b>  | <b>mg/L</b> |
| 110-82-7       | Cyclohexane                    | 0.0000722U      | 0.00500        | 0.0000722        | mg/L        |
| 124-48-1       | Dibromochloromethane           | 0.0000637U      | 0.00500        | 0.0000637        | mg/L        |
| 75-71-8        | Dichlorodifluoromethane        | 0.0000680U      | 0.00500        | 0.0000680        | mg/L        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.0000746U      | 0.00500        | 0.0000746        | mg/L        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.0000702U      | 0.00500        | 0.0000702        | mg/L        |
| 100-41-4       | Ethylbenzene                   | 0.0000924U      | 0.00500        | 0.0000924        | mg/L        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.0000569U      | 0.00500        | 0.0000569        | mg/L        |
| 79-20-9        | Methyl Acetate                 | 0.000375U       | 0.00500        | 0.000375         | mg/L        |
| 108-87-2       | Methylcyclohexane              | 0.0000921U      | 0.00500        | 0.0000921        | mg/L        |
| 75-09-2        | Methylene chloride             | 0.0000765U      | 0.010          | 0.0000765        | mg/L        |
| 91-20-3        | Naphthalene                    | 0.000245U       | 0.00500        | 0.000245         | mg/L        |
| 100-42-5       | Styrene                        | 0.0000821U      | 0.00500        | 0.0000821        | mg/L        |
| 127-18-4       | Tetrachloroethene              | 0.000200U       | 0.00500        | 0.000200         | mg/L        |
| 108-88-3       | Toluene                        | 0.0000675U      | 0.00500        | 0.0000675        | mg/L        |
| 79-01-6        | Trichloroethene                | 0.000164U       | 0.00500        | 0.000164         | mg/L        |
| 75-69-4        | Trichlorofluoromethane         | 0.0000638U      | 0.00500        | 0.0000638        | mg/L        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000168U       | 0.00500        | 0.000168         | mg/L        |
| 75-01-4        | Vinyl chloride                 | 0.0000538U      | 0.00500        | 0.0000538        | mg/L        |
| 1330-20-7      | Xylene (total)                 | 0.000194U       | 0.010          | 0.000194         | mg/L        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.0000745U      | 0.00500        | 0.0000745        | mg/L        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.0000756U      | 0.00500        | 0.0000756        | mg/L        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.0000573U      | 0.00500        | 0.0000573        | mg/L        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20807032011    | OMS-28-2         | Water         | 07/02/2008 13:16         | 07/03/2008 09:20         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 07/14/2008 01:27 | ADI       | 392648                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .047      | mg/L  | 94         | 75 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .052      | mg/L  | 103        | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .055      | mg/L  | 111        | 85 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .051      | mg/L  | 102        | 70 - 120   |

|                               |                                |                        |  |  |
|-------------------------------|--------------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20807032012 | <b>Client ID</b><br>TRIP BLANK | <b>Matrix</b><br>Water | <b>Collect Date/Time</b><br>07/02/2008 00:00 | <b>Receive Date/Time</b><br>07/03/2008 09:20 |
|-------------------------------|--------------------------------|------------------------|--|--|

SW-846 8260B

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>07/13/2008 23:58 | <b>By</b><br>ADI | <b>Analytical Batch</b><br>392648 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#            | Parameter                      | Result           | RDL            | MDL              | Units       |
|-----------------|--------------------------------|------------------|----------------|------------------|-------------|
| 71-55-6         | 1,1,1-Trichloroethane          | 0.0000683U       | 0.00500        | 0.0000683        | mg/L        |
| 79-34-5         | 1,1,2,2-Tetrachloroethane      | 0.000148U        | 0.00500        | 0.000148         | mg/L        |
| 79-00-5         | 1,1,2-Trichloroethane          | 0.000146U        | 0.00500        | 0.000146         | mg/L        |
| 75-34-3         | 1,1-Dichloroethane             | 0.0000801U       | 0.00500        | 0.0000801        | mg/L        |
| 75-35-4         | 1,1-Dichloroethene             | 0.0000961U       | 0.00500        | 0.0000961        | mg/L        |
| 120-82-1        | 1,2,4-Trichlorobenzene         | 0.000223U        | 0.00500        | 0.000223         | mg/L        |
| 96-12-8         | 1,2-Dibromo-3-chloropropane    | 0.000356U        | 0.00500        | 0.000356         | mg/L        |
| 106-93-4        | 1,2-Dibromoethane              | 0.000158U        | 0.00500        | 0.000158         | mg/L        |
| 95-50-1         | 1,2-Dichlorobenzene            | 0.000109U        | 0.00500        | 0.000109         | mg/L        |
| 107-06-2        | 1,2-Dichloroethane             | 0.0000663U       | 0.00500        | 0.0000663        | mg/L        |
| 78-87-5         | 1,2-Dichloropropane            | 0.0000555U       | 0.00500        | 0.0000555        | mg/L        |
| <b>541-73-1</b> | <b>1,3-Dichlorobenzene</b>     | <b>0.000257J</b> | <b>0.00500</b> | <b>0.0000861</b> | <b>mg/L</b> |
| 106-46-7        | 1,4-Dichlorobenzene            | 0.0000961U       | 0.00500        | 0.0000961        | mg/L        |
| 78-93-3         | 2-Butanone                     | 0.000487U        | 0.00500        | 0.000487         | mg/L        |
| 591-78-6        | 2-Hexanone                     | 0.000308U        | 0.00500        | 0.000308         | mg/L        |
| 108-10-1        | 4-Methyl-2-pentanone           | 0.000113U        | 0.00500        | 0.000113         | mg/L        |
| <b>67-64-1</b>  | <b>Acetone</b>                 | <b>0.010J</b>    | <b>0.025</b>   | <b>0.0000638</b> | <b>mg/L</b> |
| 71-43-2         | Benzene                        | 0.0000624U       | 0.00500        | 0.0000624        | mg/L        |
| 75-27-4         | Bromodichloromethane           | 0.0000875U       | 0.00500        | 0.0000875        | mg/L        |
| 75-25-2         | Bromoform                      | 0.0000947U       | 0.00500        | 0.0000947        | mg/L        |
| 74-83-9         | Bromomethane                   | 0.000252U        | 0.00500        | 0.000252         | mg/L        |
| 75-15-0         | Carbon disulfide               | 0.000184U        | 0.00500        | 0.000184         | mg/L        |
| 56-23-5         | Carbon tetrachloride           | 0.0000825U       | 0.00500        | 0.0000825        | mg/L        |
| 108-90-7        | Chlorobenzene                  | 0.0000631U       | 0.00500        | 0.0000631        | mg/L        |
| 75-00-3         | Chloroethane                   | 0.0000618U       | 0.00500        | 0.0000618        | mg/L        |
| 67-66-3         | Chloroform                     | 0.0000426U       | 0.00500        | 0.0000426        | mg/L        |
| 74-87-3         | Chloromethane                  | 0.000249U        | 0.00500        | 0.000249         | mg/L        |
| 110-82-7        | Cyclohexane                    | 0.0000722U       | 0.00500        | 0.0000722        | mg/L        |
| 124-48-1        | Dibromochloromethane           | 0.0000637U       | 0.00500        | 0.0000637        | mg/L        |
| 75-71-8         | Dichlorodifluoromethane        | 0.0000680U       | 0.00500        | 0.0000680        | mg/L        |
| 10061-01-5      | cis-1,3-Dichloropropene        | 0.0000746U       | 0.00500        | 0.0000746        | mg/L        |
| 10061-02-6      | trans-1,3-Dichloropropene      | 0.0000702U       | 0.00500        | 0.0000702        | mg/L        |
| 100-41-4        | Ethylbenzene                   | 0.0000924U       | 0.00500        | 0.0000924        | mg/L        |
| 98-82-8         | Isopropylbenzene (Cumene)      | 0.0000569U       | 0.00500        | 0.0000569        | mg/L        |
| 79-20-9         | Methyl Acetate                 | 0.000375U        | 0.00500        | 0.000375         | mg/L        |
| 108-87-2        | Methylcyclohexane              | 0.0000921U       | 0.00500        | 0.0000921        | mg/L        |
| 75-09-2         | Methylene chloride             | 0.0000765U       | 0.010          | 0.0000765        | mg/L        |
| 91-20-3         | Naphthalene                    | 0.000245U        | 0.00500        | 0.000245         | mg/L        |
| 100-42-5        | Styrene                        | 0.0000821U       | 0.00500        | 0.0000821        | mg/L        |
| 127-18-4        | Tetrachloroethene              | 0.000200U        | 0.00500        | 0.000200         | mg/L        |
| <b>108-88-3</b> | <b>Toluene</b>                 | <b>0.000290J</b> | <b>0.00500</b> | <b>0.0000675</b> | <b>mg/L</b> |
| 79-01-6         | Trichloroethene                | 0.000164U        | 0.00500        | 0.000164         | mg/L        |
| 75-69-4         | Trichlorofluoromethane         | 0.0000638U       | 0.00500        | 0.0000638        | mg/L        |
| 76-13-1         | Trichlorotrifluoroethane       | 0.000168U        | 0.00500        | 0.000168         | mg/L        |
| 75-01-4         | Vinyl chloride                 | 0.0000538U       | 0.00500        | 0.0000538        | mg/L        |
| 1330-20-7       | Xylene (total)                 | 0.000194U        | 0.010          | 0.000194         | mg/L        |
| 156-59-2        | cis-1,2-Dichloroethene         | 0.0000745U       | 0.00500        | 0.0000745        | mg/L        |
| 1634-04-4       | tert-Butyl methyl ether (MTBE) | 0.0000756U       | 0.00500        | 0.0000756        | mg/L        |
| 156-60-5        | trans-1,2-Dichloroethene       | 0.0000573U       | 0.00500        | 0.0000573        | mg/L        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20807032012    | TRIP BLANK       | Water         | 07/02/2008 00:00         | 07/03/2008 09:20         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 07/13/2008 23:58 | ADI       | 392648                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .048      | mg/L  | 95         | 75 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .052      | mg/L  | 104        | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .056      | mg/L  | 112        | 85 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .05       | mg/L  | 100        | 70 - 120   |

# GC/MS Volatiles Quality Control Summary

| Analytical Batch 392648<br>Prep Batch N/A |                             | Client ID MB392648<br>GCAL ID 625109<br>Sample Type Method Blank<br>Analytical Date 07/13/2008 19:44<br>Matrix Water |           | LCS392648<br>625110<br>LCS<br>07/13/2008 18:23<br>Water |        |     | LCSD392648<br>625111<br>LCSD<br>07/13/2008 18:45<br>Water |        |     |     |       |
|---|-----------------------------|--|-----------|---|--------|-----|---|--------|-----|-----|-------|
| SW-846 8260B                              |                             | Units  | mg/L      | Spike   | Result | % R | Control   | Result | % R | RPD | RPD   |
|   |                             | Result   | RDL       | Added   |        |     | Limits % R  |        |     |     | Limit |
| 67-64-1                                   | Acetone                     | 0.0000638U   | 0.0000638 | 0.050   | 0.051  | 102 | 40 - 140  | 0.048  | 95  | 6   | 30    |
| 75-27-4                                   | Bromodichloromethane        | 0.0000875U   | 0.0000875 | 0.050   | 0.053  | 106 | 75 - 120  | 0.050  | 101 | 6   | 30    |
| 75-25-2                                   | Bromoform                   | 0.0000947U   | 0.0000947 | 0.050   | 0.054  | 108 | 70 - 130  | 0.054  | 107 | 0   | 30    |
| 74-83-9                                   | Bromomethane                | 0.000252U  | 0.000252  | 0.050   | 0.058  | 115 | 30 - 145  | 0.055  | 111 | 5   | 30    |
| 75-15-0                                   | Carbon disulfide            | 0.000184U  | 0.000184  | 0.050   | 0.059  | 117 | 35 - 160  | 0.052  | 103 | 13  | 30    |
| 56-23-5                                   | Carbon tetrachloride        | 0.0000825U   | 0.0000825 | 0.050   | 0.051  | 102 | 65 - 140  | 0.048  | 96  | 6   | 30    |
| 75-00-3                                   | Chloroethane                | 0.0000618U   | 0.0000618 | 0.050   | 0.060  | 120 | 60 - 135  | 0.055  | 111 | 9   | 30    |
| 67-66-3                                   | Chloroform                  | 0.0000426U   | 0.0000426 | 0.050   | 0.048  | 96  | 65 - 135  | 0.046  | 92  | 4   | 30    |
| 74-87-3                                   | Chloromethane               | 0.000249U  | 0.000249  | 0.050   | 0.054  | 107 | 40 - 125  | 0.050  | 100 | 8   | 30    |
| 124-48-1                                  | Dibromochloromethane        | 0.0000637U   | 0.0000637 | 0.050   | 0.048  | 97  | 60 - 135  | 0.049  | 97  | 2   | 30    |
| 75-71-8                                   | Dichlorodifluoromethane     | 0.0000680U   | 0.0000680 | 0.050   | 0.054  | 107 | 30 - 155  | 0.048  | 97  | 12  | 30    |
| 75-34-3                                   | 1,1-Dichloroethane          | 0.0000801U   | 0.0000801 | 0.050   | 0.050  | 101 | 70 - 135  | 0.048  | 95  | 4   | 30    |
| 107-06-2                                  | 1,2-Dichloroethane          | 0.0000663U   | 0.0000663 | 0.050   | 0.051  | 101 | 70 - 130  | 0.048  | 96  | 6   | 30    |
| 156-59-2                                  | cis-1,2-Dichloroethene      | 0.0000745U   | 0.0000745 | 0.050   | 0.058  | 115 | 70 - 125  | 0.054  | 108 | 7   | 30    |
| 156-60-5                                  | trans-1,2-Dichloroethene    | 0.0000573U   | 0.0000573 | 0.050   | 0.053  | 106 | 60 - 140  | 0.049  | 97  | 8   | 30    |
| 75-09-2                                   | Methylene chloride          | 0.0000765U   | 0.0000765 | 0.050   | 0.050  | 100 | 55 - 140  | 0.047  | 95  | 6   | 30    |
| 78-87-5                                   | 1,2-Dichloropropane         | 0.0000555U   | 0.0000555 | 0.050   | 0.051  | 101 | 75 - 125  | 0.049  | 98  | 4   | 30    |
| 10061-01-5                                | cis-1,3-Dichloropropene     | 0.0000746U   | 0.0000746 | 0.050   | 0.051  | 101 | 70 - 130  | 0.048  | 96  | 6   | 30    |
| 10061-02-6                                | trans-1,3-Dichloropropene   | 0.0000702U   | 0.0000702 | 0.050   | 0.052  | 103 | 55 - 140  | 0.048  | 96  | 8   | 30    |
| 100-41-4                                  | Ethylbenzene                | 0.0000924U   | 0.0000924 | 0.050   | 0.054  | 107 | 75 - 125  | 0.052  | 104 | 4   | 30    |
| 591-78-6                                  | 2-Hexanone                  | 0.000308U  | 0.000308  | 0.050   | 0.043  | 86  | 55 - 130  | 0.044  | 87  | 2   | 30    |
| 98-82-8                                   | Isopropylbenzene (Cumene)   | 0.0000569U   | 0.0000569 | 0.050   | 0.051  | 102 | 75 - 125  | 0.049  | 97  | 4   | 30    |
| 78-93-3                                   | 2-Butanone                  | 0.000487U  | 0.000487  | 0.050   | 0.054  | 108 | 30 - 150  | 0.054  | 109 | 0   | 30    |
| 108-10-1                                  | 4-Methyl-2-pentanone        | 0.000113U  | 0.000113  | 0.050   | 0.046  | 93  | 60 - 135  | 0.045  | 90  | 2   | 30    |
| 100-42-5                                  | Styrene                     | 0.0000821U   | 0.0000821 | 0.050   | 0.050  | 99  | 65 - 135  | 0.049  | 97  | 2   | 30    |
| 127-18-4                                  | Tetrachloroethene           | 0.000200U  | 0.000200  | 0.050   | 0.051  | 102 | 45 - 150  | 0.051  | 102 | 0   | 30    |
| 79-34-5                                   | 1,1,2,2-Tetrachloroethane   | 0.000148U  | 0.000148  | 0.050   | 0.052  | 104 | 65 - 130  | 0.052  | 104 | 0   | 30    |
| 120-82-1                                  | 1,2,4-Trichlorobenzene      | 0.000223U  | 0.000223  | 0.050   | 0.053  | 106 | 65 - 135  | 0.047  | 95  | 12  | 30    |
| 71-55-6                                   | 1,1,1-Trichloroethane       | 0.0000683U   | 0.0000683 | 0.050   | 0.050  | 100 | 65 - 130  | 0.048  | 95  | 4   | 30    |
| 79-00-5                                   | 1,1,2-Trichloroethane       | 0.000146U  | 0.000146  | 0.050   | 0.048  | 97  | 75 - 125  | 0.048  | 95  | 0   | 30    |
| 75-69-4                                   | Trichlorofluoromethane      | 0.0000638U   | 0.0000638 | 0.050   | 0.053  | 106 | 60 - 145  | 0.049  | 98  | 8   | 30    |
| 75-01-4                                   | Vinyl chloride              | 0.0000538U   | 0.0000538 | 0.050   | 0.060  | 120 | 50 - 145  | 0.054  | 109 | 11  | 30    |
| 96-12-8                                   | 1,2-Dibromo-3-chloropropane | 0.000356U  | 0.000356  | 0.050   | 0.048  | 96  | 50 - 130  | 0.049  | 99  | 2   | 30    |

# GC/MS Volatiles Quality Control Summary

| Analytical Batch 392648<br>Prep Batch N/A |                                | Client ID MB392648<br>GCAL ID 625109<br>Sample Type Method Blank<br>Analytical Date 07/13/2008 19:44<br>Matrix Water |           | LCS392648<br>625110<br>LCS<br>07/13/2008 18:23<br>Water |        |     | LCSD392648<br>625111<br>LCSD<br>07/13/2008 18:45<br>Water |        |     |     |       |
|---|--------------------------------|--|-----------|---|--------|-----|---|--------|-----|-----|-------|
| SW-846 8260B                              |                                | Units  | mg/L      | Spike   | Result | % R | Control   | Result | % R | RPD | RPD   |
|   |                                | Result   | RDL       | Added   |        |     | Limits % R  |        |     |     | Limit |
| 106-93-4                                  | 1,2-Dibromoethane              | 0.000158U  | 0.000158  | 0.050   | 0.053  | 106 | 80 - 120  | 0.053  | 107 | 0   | 30    |
| 1634-04-4                                 | tert-Butyl methyl ether (MTBE) | 0.0000756U   | 0.0000756 | 0.050   | 0.053  | 106 | 65 - 125  | 0.052  | 103 | 2   | 30    |
| 1330-20-7                                 | Xylene (total)                 | 0.000194U  | 0.000194  | 0.150   | 0.150  | 100 | 75 - 130  | 0.146  | 97  | 3   | 30    |
| 108-87-2                                  | Methylcyclohexane              | 0.0000921U   | 0.0000921 | 0.050   | 0.054  | 107 | 77 - 123  | 0.047  | 94  | 14  | 30    |
| 110-82-7                                  | Cyclohexane                    | 0.0000722U   | 0.0000722 | 0.050   | 0.052  | 103 | 71 - 127  | 0.048  | 95  | 8   | 30    |
| 79-20-9                                   | Methyl Acetate                 | 0.000375U  | 0.000375  | 0.050   | 0.047  | 93  | 55 - 134  | 0.047  | 93  | 0   | 30    |
| 76-13-1                                   | Trichlorotrifluoroethane       | 0.000168U  | 0.000168  | 0.050   | 0.052  | 105 | 72 - 130  | 0.049  | 97  | 6   | 30    |
| 541-73-1                                  | 1,3-Dichlorobenzene            | 0.0000861U   | 0.0000861 | 0.050   | 0.058  | 116 | 65 - 130  | 0.055  | 111 | 5   | 30    |
| 106-46-7                                  | 1,4-Dichlorobenzene            | 0.0000961U   | 0.0000961 | 0.050   | 0.051  | 103 | 65 - 130  | 0.049  | 98  | 4   | 30    |
| 95-50-1                                   | 1,2-Dichlorobenzene            | 0.000109U  | 0.000109  | 0.050   | 0.058  | 115 | 70 - 120  | 0.056  | 111 | 4   | 30    |
| 91-20-3                                   | Naphthalene                    | 0.000245U  | 0.000245  | 0.050   | 0.050  | 99  | 55 - 140  | 0.048  | 96  | 4   | 30    |
| 75-35-4                                   | 1,1-Dichloroethene             | 0.0000961U   | 0.0000961 | 0.050   | 0.053  | 106 | 70 - 130  | 0.049  | 98  | 8   | 30    |
| 71-43-2                                   | Benzene                        | 0.0000624U   | 0.0000624 | 0.050   | 0.050  | 100 | 80 - 120  | 0.048  | 96  | 4   | 30    |
| 79-01-6                                   | Trichloroethene                | 0.000164U  | 0.000164  | 0.050   | 0.054  | 109 | 70 - 125  | 0.051  | 102 | 6   | 30    |
| 108-88-3                                  | Toluene                        | 0.0000675U   | 0.0000675 | 0.050   | 0.050  | 100 | 75 - 120  | 0.049  | 98  | 2   | 30    |
| 108-90-7                                  | Chlorobenzene                  | 0.0000631U   | 0.0000631 | 0.050   | 0.049  | 99  | 80 - 120  | 0.048  | 96  | 2   | 30    |
| <b>Surrogate</b>                          |                                |  |           |   |        |     |   |        |     |     |       |
| 460-00-4                                  | 4-Bromofluorobenzene           | 47.8   | 96        | 50  | 48.8   | 98  | 75 - 120  | 50.7   | 101 |     |       |
| 1868-53-7                                 | Dibromofluoromethane           | 51.9   | 104       | 50  | 48.6   | 97  | 85 - 115  | 49.1   | 98  |     |       |
| 2037-26-5                                 | Toluene d8                     | 55.7   | 111       | 50  | 45     | 90  | 85 - 120  | 46.7   | 93  |     |       |
| 17060-07-0                                | 1,2-Dichloroethane-d4          | 51   | 102       | 50  | 49.4   | 99  | 70 - 120  | 49.1   | 98  |     |       |

| Analytical Batch 392648<br>Prep Batch N/A |                      | Client ID MW-12<br>GCAL ID 20807032001<br>Sample Type SAMPLE<br>Analytical Date 07/13/2008 21:23<br>Matrix Water |           | 621273MS<br>625247<br>MS<br>07/13/2008 22:52<br>Water |        |     | 621273MSD<br>625248<br>MSD<br>07/13/2008 23:14<br>Water |        |     |     |       |
|---|----------------------|--|-----------|---|--------|-----|---|--------|-----|-----|-------|
| SW-846 8260B                              |                      | Units  | mg/L      | Spike   | Result | % R | Control   | Result | % R | RPD | RPD   |
|   |                      | Result   | RDL       | Added   |        |     | Limits % R  |        |     |     | Limit |
| 67-64-1                                   | Acetone              | 0.00363  | 0.0000638 | 0.050   | 0.034  | 61  | 40 - 140  | 0.037  | 66  | 8   | 30    |
| 75-27-4                                   | Bromodichloromethane | 0.00   | 0.0000875 | 0.050   | 0.052  | 105 | 75 - 120  | 0.052  | 103 | 0   | 30    |
| 75-25-2                                   | Bromoform            | 0.00   | 0.0000947 | 0.050   | 0.054  | 107 | 70 - 130  | 0.054  | 107 | 0   | 30    |

# GC/MS Volatiles Quality Control Summary

| Analytical Batch 392648<br>Prep Batch N/A |                                | Client ID MW-12<br>GCAL ID 20807032001<br>Sample Type SAMPLE<br>Analytical Date 07/13/2008 21:23<br>Matrix Water |           |       | 621273MS<br>625247<br>MS<br>07/13/2008 22:52<br>Water |     |            | 621273MSD<br>625248<br>MSD<br>07/13/2008 23:14<br>Water |     |     |       |
|---|--------------------------------|--|-----------|-------|---|-----|------------|---|-----|-----|-------|
| SW-846 8260B                              |                                | Units  | mg/L      | Spike | Result  | % R | Control    | Result  | % R | RPD | RPD   |
|   |                                | Result   | RDL       | Added |   |     | Limits % R |   |     |     | Limit |
| 74-83-9                                   | Bromomethane                   | 0.00   | 0.000252  | 0.050 | 0.049   | 98  | 30 - 145   | 0.058   | 117 | 17  | 30    |
| 75-15-0                                   | Carbon disulfide               | 0.00   | 0.000184  | 0.050 | 0.049   | 97  | 35 - 160   | 0.054   | 107 | 10  | 30    |
| 56-23-5                                   | Carbon tetrachloride           | 0.00   | 0.0000825 | 0.050 | 0.052   | 103 | 65 - 140   | 0.049   | 98  | 6   | 30    |
| 75-00-3                                   | Chloroethane                   | 0.00   | 0.0000618 | 0.050 | 0.052   | 104 | 60 - 135   | 0.056   | 111 | 7   | 30    |
| 67-66-3                                   | Chloroform                     | 0.00   | 0.0000426 | 0.050 | 0.047   | 94  | 65 - 135   | 0.046   | 92  | 2   | 30    |
| 74-87-3                                   | Chloromethane                  | 0.00   | 0.000249  | 0.050 | 0.041   | 82  | 40 - 125   | 0.052   | 104 | 24  | 30    |
| 124-48-1                                  | Dibromochloromethane           | 0.00   | 0.0000637 | 0.050 | 0.048   | 95  | 60 - 135   | 0.049   | 97  | 2   | 30    |
| 75-71-8                                   | Dichlorodifluoromethane        | 0.00   | 0.0000680 | 0.050 | 0.045   | 90  | 30 - 155   | 0.051   | 102 | 13  | 30    |
| 75-34-3                                   | 1,1-Dichloroethane             | 0.00   | 0.0000801 | 0.050 | 0.048   | 96  | 70 - 135   | 0.049   | 97  | 2   | 30    |
| 107-06-2                                  | 1,2-Dichloroethane             | 0.00   | 0.0000663 | 0.050 | 0.051   | 101 | 70 - 130   | 0.049   | 97  | 4   | 30    |
| 156-59-2                                  | cis-1,2-Dichloroethene         | 0.00   | 0.0000745 | 0.050 | 0.051   | 101 | 70 - 125   | 0.051   | 102 | 0   | 30    |
| 156-60-5                                  | trans-1,2-Dichloroethene       | 0.00   | 0.0000573 | 0.050 | 0.047   | 94  | 60 - 140   | 0.048   | 96  | 2   | 30    |
| 75-09-2                                   | Methylene chloride             | 0.00   | 0.0000765 | 0.050 | 0.047   | 95  | 55 - 140   | 0.048   | 95  | 2   | 30    |
| 78-87-5                                   | 1,2-Dichloropropane            | 0.00   | 0.0000555 | 0.050 | 0.050   | 99  | 75 - 125   | 0.049   | 98  | 2   | 30    |
| 10061-01-5                                | cis-1,3-Dichloropropene        | 0.00   | 0.0000746 | 0.050 | 0.044   | 88  | 70 - 130   | 0.044   | 87  | 0   | 30    |
| 10061-02-6                                | trans-1,3-Dichloropropene      | 0.00   | 0.0000702 | 0.050 | 0.050   | 100 | 55 - 140   | 0.049   | 98  | 2   | 30    |
| 100-41-4                                  | Ethylbenzene                   | 0.00   | 0.0000924 | 0.050 | 0.052   | 104 | 75 - 125   | 0.052   | 103 | 0   | 30    |
| 591-78-6                                  | 2-Hexanone                     | 0.00   | 0.000308  | 0.050 | 0.037   | 74  | 55 - 130   | 0.039   | 78  | 5   | 30    |
| 98-82-8                                   | Isopropylbenzene (Cumene)      | 0.00   | 0.0000569 | 0.050 | 0.049   | 98  | 75 - 125   | 0.048   | 97  | 2   | 30    |
| 78-93-3                                   | 2-Butanone                     | 0.00   | 0.000487  | 0.050 | 0.045   | 89  | 30 - 150   | 0.046   | 93  | 2   | 30    |
| 108-10-1                                  | 4-Methyl-2-pentanone           | 0.00   | 0.000113  | 0.050 | 0.045   | 90  | 60 - 135   | 0.044   | 88  | 2   | 30    |
| 100-42-5                                  | Styrene                        | 0.00   | 0.0000821 | 0.050 | 0.049   | 97  | 65 - 135   | 0.048   | 97  | 2   | 30    |
| 127-18-4                                  | Tetrachloroethene              | 0.00   | 0.000200  | 0.050 | 0.049   | 98  | 45 - 150   | 0.050   | 100 | 2   | 30    |
| 79-34-5                                   | 1,1,2,2-Tetrachloroethane      | 0.00   | 0.000148  | 0.050 | 0.052   | 103 | 65 - 130   | 0.054   | 108 | 4   | 30    |
| 120-82-1                                  | 1,2,4-Trichlorobenzene         | 0.00   | 0.000223  | 0.050 | 0.043   | 87  | 65 - 135   | 0.046   | 91  | 7   | 30    |
| 71-55-6                                   | 1,1,1-Trichloroethane          | 0.00   | 0.0000683 | 0.050 | 0.050   | 100 | 65 - 130   | 0.048   | 96  | 4   | 30    |
| 79-00-5                                   | 1,1,2-Trichloroethane          | 0.00   | 0.000146  | 0.050 | 0.047   | 95  | 75 - 125   | 0.048   | 96  | 2   | 30    |
| 75-69-4                                   | Trichlorofluoromethane         | 0.00   | 0.0000638 | 0.050 | 0.047   | 95  | 60 - 145   | 0.051   | 101 | 8   | 30    |
| 75-01-4                                   | Vinyl chloride                 | 0.00   | 0.0000538 | 0.050 | 0.044   | 87  | 50 - 145   | 0.056   | 112 | 24  | 30    |
| 96-12-8                                   | 1,2-Dibromo-3-chloropropane    | 0.00   | 0.000356  | 0.050 | 0.044   | 88  | 50 - 130   | 0.048   | 97  | 9   | 30    |
| 106-93-4                                  | 1,2-Dibromoethane              | 0.00   | 0.000158  | 0.050 | 0.051   | 102 | 80 - 120   | 0.054   | 107 | 6   | 30    |
| 1634-04-4                                 | tert-Butyl methyl ether (MTBE) | 0.00   | 0.0000756 | 0.050 | 0.047   | 95  | 65 - 125   | 0.050   | 101 | 6   | 30    |
| 1330-20-7                                 | Xylene (total)                 | 0.00   | 0.000194  | 0.150 | 0.147   | 98  | 75 - 130   | 0.146   | 97  | 0.7 | 30    |

# GC/MS Volatiles Quality Control Summary

| Analytical Batch 392648<br>Prep Batch N/A |                          | Client ID MW-12<br>GCAL ID 20807032001<br>Sample Type SAMPLE<br>Analytical Date 07/13/2008 21:23<br>Matrix Water |             |                | 621273MS<br>625247<br>MS<br>07/13/2008 22:52<br>Water |     |                       | 621273MSD<br>625248<br>MSD<br>07/13/2008 23:14<br>Water |     |     |              |
|---|--------------------------|--|-------------|----------------|---|-----|-----------------------|---|-----|-----|--------------|
| <b>SW-846 8260B</b>                       |                          | Units<br>Result  | mg/L<br>RDL | Spike<br>Added | Result  | % R | Control<br>Limits % R | Result  | % R | RPD | RPD<br>Limit |
| 108-87-2                                  | Methylcyclohexane        | 0.00   | 0.0000921   | 0.050          | 0.050   | 99  | 77 - 123              | 0.047   | 94  | 6   | 30           |
| 110-82-7                                  | Cyclohexane              | 0.00   | 0.0000722   | 0.050          | 0.047   | 94  | 71 - 127              | 0.047   | 94  | 0   | 30           |
| 79-20-9                                   | Methyl Acetate           | 0.00   | 0.000375    | 0.050          | 0.050   | 99  | 55 - 134              | 0.045   | 90  | 11  | 30           |
| 76-13-1                                   | Trichlorotrifluoroethane | 0.00   | 0.000168    | 0.050          | 0.047   | 95  | 72 - 130              | 0.049   | 99  | 4   | 30           |
| 541-73-1                                  | 1,3-Dichlorobenzene      | 0.00   | 0.0000861   | 0.050          | 0.055   | 110 | 65 - 130              | 0.056   | 112 | 2   | 30           |
| 106-46-7                                  | 1,4-Dichlorobenzene      | 0.00   | 0.0000961   | 0.050          | 0.049   | 99  | 65 - 130              | 0.050   | 100 | 2   | 30           |
| 95-50-1                                   | 1,2-Dichlorobenzene      | 0.00   | 0.000109    | 0.050          | 0.055   | 110 | 70 - 120              | 0.056   | 112 | 2   | 30           |
| 91-20-3                                   | Naphthalene              | 0.00   | 0.000245    | 0.050          | 0.042   | 83  | 55 - 140              | 0.046   | 92  | 9   | 30           |
| 75-35-4                                   | 1,1-Dichloroethene       | 0.00   | 0.0000961   | 0.050          | 0.046   | 91  | 70 - 130              | 0.050   | 101 | 8   | 30           |
| 71-43-2                                   | Benzene                  | 0.00   | 0.0000624   | 0.050          | 0.049   | 98  | 80 - 120              | 0.049   | 98  | 0   | 30           |
| 79-01-6                                   | Trichloroethene          | 0.00   | 0.000164    | 0.050          | 0.054   | 108 | 70 - 125              | 0.052   | 105 | 4   | 30           |
| 108-88-3                                  | Toluene                  | 0.00   | 0.0000675   | 0.050          | 0.049   | 98  | 75 - 120              | 0.049   | 98  | 0   | 30           |
| 108-90-7                                  | Chlorobenzene            | 0.00   | 0.0000631   | 0.050          | 0.049   | 98  | 80 - 120              | 0.049   | 97  | 0   | 30           |
| <b>Surrogate</b>                          |                          |  |             |                |   |     |                       |   |     |     |              |
| 460-00-4                                  | 4-Bromofluorobenzene     | .048   | 95          | 50             | 49.8  | 100 | 75 - 120              | 50.2  | 100 |     |              |
| 1868-53-7                                 | Dibromofluoromethane     | .051   | 102         | 50             | 49.1  | 98  | 85 - 115              | 49  | 98  |     |              |
| 2037-26-5                                 | Toluene d8               | .056   | 111         | 50             | 45.4  | 91  | 85 - 120              | 45.6  | 91  |     |              |
| 17060-07-0                                | 1,2-Dichloroethane-d4    | .05  | 100         | 50             | 50.5  | 101 | 70 - 120              | 49.4  | 99  |     |              |

## CASE NARRATIVE

**Client:** Aerostar      **Report:** 208070320

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

**No anomalies were found for the analyzed sample(s).**

# Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

## Common Abbreviations Utilized in this Report

|              |  |
|--------------|--|
| <b>ND</b>    | Indicates the result was Not Detected at the specified RDL |
| <b>DO</b>    | Indicates the result was Diluted Out                       |
| <b>MI</b>    | Indicates the result was subject to Matrix Interference    |
| <b>TNTC</b>  | Indicates the result was Too Numerous To Count             |
| <b>SUBC</b>  | Indicates the analysis was Sub-Contracted                  |
| <b>FLD</b>   | Indicates the analysis was performed in the Field          |
| <b>PQL</b>   | Practical Quantitation Limit                               |
| <b>MDL</b>   | Method Detection Limit                                     |
| <b>RDL</b>   | Reporting Detection Limit                                  |
| <b>00:00</b> | Reported as a time equivalent to 12:00 AM                  |

## Reporting Flags Utilized in this Report

|          |  |
|----------|--|
| <b>J</b> | Indicates an estimated value   |
| <b>U</b> | Indicates the compound was analyzed for but not detected                     |
| <b>B</b> | (ORGANICS) Indicates the analyte was detected in the associated Method Blank |
| <b>B</b> | (INORGANICS) Indicates the result is between the RDL and MDL                 |

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with [ISO Guide 25](#) and [NELAC](#), this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

---

CURTIS EKKER  
DATA VALIDATION MANAGER  
GCAL REPORT 208070320

THIS REPORT CONTAINS \_\_\_\_\_ PAGES.

Aerostar / 4525 / 208070320 / 7-15-8  
Labnet / 4569

**Chain of Custody Record**

Lab Report No.:

|   |   |   |                    |
|---|---|---|--------------------|
| Company:<br><b>AEROSTAR</b>   | <b>Gulf Coast LabNet, Inc.</b><br>An Environmental Lab Services Co. | Modified from DEP Form #: 62-770.900(2)   | Page / of <b>2</b> |
| Address:<br><b>803 GOVT. ST., STE. A</b><br><b>MOBILE, AL 36602</b> | Phone: (251) 625-1331<br>Fax: (251) 625-1299                        | FDEP Facility No.:<br>Project Name: <b>BROOKLEY FIELD OMS-28</b><br>Location: <b>MOBILE, AL</b><br>Project No.: |                    |

|                                     |   |  |  |                           |
|-------------------------------------|---|--|--|---------------------------|
| Attn:                               | Phone:  |  |  | ← Preservative            |
| <b>MARSHALL ESCHETE</b>             | Fax:  |  |  | ← Analysis                |
| Sampled by [Print Name]/Affiliation | Sampler Signature   |  |  | <b>REQUESTED DUE DATE</b> |
| <b>Adrian Davis / Carls Mills</b>   |  |  |  |                           |

| Item No. | Field ID No. | Sampled |      | Grab or Comp. | Matrix Codes | No. Cont. | TCL | FOC | 8260 | H | Remarks       | Lab. No. |
|----------|--------------|---------|------|---------------|--------------|-----------|-----|-----|------|---|---------------|----------|
|          |              | Date    | Time |               |              |           |     |     |      |   |               |          |
| 1        | MW-12        | 7/1/08  | 930  | G             | GW           | 3         | X   |     |      |   | REPORT in ppm | -1       |
| 1        | MW-6         | 7/1/08  | 1301 | G             | GW           | 3         | X   |     |      |   |               | -2       |
| 1        | MW-5         | 7/1/08  | 1354 | G             | GW           | 3         | X   |     |      |   |               | -3       |
| 1        | OMS-28-7     | 7/1/08  | 1535 | G             | GW           | 3         | X   |     |      |   |               | -4       |
| 1        | MW-8         | 7/1/08  | 1621 | G             | GW           | 3         | X   |     |      |   |               | -5       |
| 1        | MW-9         | 7/2/08  | 1031 | G             | GW           | 3         | X   |     |      |   |               | -6       |
| 1        | Dup-1        | 7/1/08  | -    | G             | GW           | 3         | X   |     |      |   |               | -7       |
| 1        | Kinse-1      | 7/1/08  | -    | G             | GW           | 3         | X   |     |      |   |               | -8       |
| 1        | OMS28-5      | 7/2/08  | 1121 | G             | GW           | 3         | X   |     |      |   |               | -9       |

|                                     |      |        |   |  |                  |   |                  |        |      |  |  |  |
|-------------------------------------|------|--------|---|--|------------------|---|------------------|--------|------|--|--|--|
| Shipment Method                     |      | 27     |   | ← Total Number of Containers   |                  |   |                  |        |      |  |  |  |
| Out: / /                            | Via: | Item # | Relinquished by / Affiliation   | Date   | Time             | Accepted by / Affiliation   | Date             | Time   |      |  |  |  |
| Returned: / /                       | Via: | 1      |  / Aerostar | 7/1/08   | 1515             |  / GCL | 7-2-08           | 1515   |      |  |  |  |
| Additional Comments                 |      | 30     |   |  / GCL | 7-2-08           | 1800  | FedEx            | 7-2-08 | 1800 |  |  |  |
|                                     |      |        |   | FedEx  | 7/3/08           | 0920  | A. [Signature]   | 7/3/08 | 0920 |  |  |  |
| Cooler No.(s) / Temperature(s) (°C) |      |        |   |  | Sampling Kit No. |   | Equipment ID No. |        |      |  |  |  |
|                                     |      |        |   |  | 7358             |   |                  |        |      |  |  |  |

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)  
 PRESERVATIVE CODES: H = Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify)



**To:** Aerostar

**Job ID:** AOC-001 BROOKLEY

**Attn:** Marshall Eschette

**GCAL Report** 208060722



**Report Date** 06/30/2008

ANALYTICAL RESULTS BY

**GULF COAST ANALYTICAL LABORATORIES, INC.**

**Deliver To** Aerostar  
803 Govt. Street  
Suite A  
Mobile, AL 36602

**Attn** Marshall Eschette

# Report Sample Summary

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20806072201 | OMS-28-1 (0-5)   | Solid  | 06/06/2008 10:00  | 06/07/2008 09:00  |
| 20806072202 | OMS-28-1 (5-10)  | Solid  | 06/06/2008 10:05  | 06/07/2008 09:00  |
| 20806072203 | OMS-28-1 (10-15) | Solid  | 06/06/2008 10:10  | 06/07/2008 09:00  |
| 20806072204 | OMS-28-1 (65-70) | Solid  | 06/06/2008 11:35  | 06/07/2008 09:00  |

# Summary of Compounds Detected

| GCAL ID     | Client ID      | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|----------------|--------|-------------------|-------------------|
| 20806072201 | OMS-28-1 (0-5) | Solid  | 06/06/2008 10:00  | 06/07/2008 09:00  |

## SW-846 8260B

| CAS#    | Parameter  | Result   | RDL     | MDL      | Units |
|---------|------------|----------|---------|----------|-------|
| 78-93-3 | 2-Butanone | 0.00485J | 0.00519 | 0.000324 | mg/kg |
| 67-64-1 | Acetone    | 0.031    | 0.026   | 0.000388 | mg/kg |

## SW-846 7471A

| CAS#      | Parameter | Result | RDL   | MDL    | Units |
|-----------|-----------|--------|-------|--------|-------|
| 7439-97-6 | Mercury   | 0.084  | 0.011 | 0.0043 | mg/kg |

## SW-846 6010B

| CAS#      | Parameter | Result | RDL  | MDL   | Units |
|-----------|-----------|--------|------|-------|-------|
| 7440-38-2 | Arsenic   | 1.64B  | 1.80 | 0.12  | mg/kg |
| 7440-39-3 | Barium    | 26.7   | 0.45 | 0.016 | mg/kg |
| 7440-47-3 | Chromium  | 7.88   | 0.45 | 0.017 | mg/kg |
| 7439-92-1 | Lead      | 23.0   | 0.67 | 0.064 | mg/kg |
| 7440-22-4 | Silver    | 0.043B | 0.45 | 0.026 | mg/kg |

| GCAL ID     | Client ID       | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------------|--------|-------------------|-------------------|
| 20806072202 | OMS-28-1 (5-10) | Solid  | 06/06/2008 10:05  | 06/07/2008 09:00  |

## SW-846 7471A

| CAS#      | Parameter | Result | RDL   | MDL    | Units |
|-----------|-----------|--------|-------|--------|-------|
| 7439-97-6 | Mercury   | 0.19   | 0.012 | 0.0048 | mg/kg |

## SW-846 6010B

| CAS#      | Parameter | Result | RDL  | MDL   | Units |
|-----------|-----------|--------|------|-------|-------|
| 7440-38-2 | Arsenic   | 13.5   | 1.98 | 0.13  | mg/kg |
| 7440-39-3 | Barium    | 119    | 0.50 | 0.017 | mg/kg |
| 7440-47-3 | Chromium  | 6.95   | 0.50 | 0.019 | mg/kg |
| 7439-92-1 | Lead      | 245    | 0.74 | 0.071 | mg/kg |
| 7782-49-2 | Selenium  | 0.38B  | 1.98 | 0.17  | mg/kg |
| 7440-22-4 | Silver    | 0.072B | 0.50 | 0.029 | mg/kg |

## SW-846 8260B

| CAS#    | Parameter  | Result   | RDL     | MDL      | Units |
|---------|------------|----------|---------|----------|-------|
| 78-93-3 | 2-Butanone | 0.016    | 0.00671 | 0.000418 | mg/kg |
| 67-64-1 | Acetone    | 0.103    | 0.034   | 0.000502 | mg/kg |
| 67-66-3 | Chloroform | 0.00395J | 0.00671 | 0.000189 | mg/kg |

## Summary of Compounds Detected (con't)

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20806072203 | OMS-28-1 (10-15) | Solid  | 06/06/2008 10:10  | 06/07/2008 09:00  |

### SW-846 7471A

| CAS#      | Parameter | Result  | RDL   | MDL    | Units |
|-----------|-----------|---------|-------|--------|-------|
| 7439-97-6 | Mercury   | 0.0090B | 0.011 | 0.0044 | mg/kg |

### SW-846 8260B

| CAS#    | Parameter | Result | RDL   | MDL      | Units |
|---------|-----------|--------|-------|----------|-------|
| 67-64-1 | Acetone   | 0.030J | 0.047 | 0.000700 | mg/kg |

### SW-846 6010B

| CAS#      | Parameter | Result | RDL  | MDL   | Units |
|-----------|-----------|--------|------|-------|-------|
| 7440-38-2 | Arsenic   | 2.09   | 1.79 | 0.12  | mg/kg |
| 7440-39-3 | Barium    | 5.13   | 0.45 | 0.016 | mg/kg |
| 7440-47-3 | Chromium  | 8.53   | 0.45 | 0.017 | mg/kg |
| 7439-92-1 | Lead      | 0.92   | 0.67 | 0.064 | mg/kg |
| 7782-49-2 | Selenium  | 0.16B  | 1.79 | 0.15  | mg/kg |
| 7440-22-4 | Silver    | 0.081B | 0.45 | 0.026 | mg/kg |

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20806072204 | OMS-28-1 (65-70) | Solid  | 06/06/2008 11:35  | 06/07/2008 09:00  |

### SW-846 7471A

| CAS#      | Parameter | Result | RDL   | MDL    | Units |
|-----------|-----------|--------|-------|--------|-------|
| 7439-97-6 | Mercury   | 0.020  | 0.012 | 0.0047 | mg/kg |

### SW-846 6010B

| CAS#      | Parameter | Result | RDL  | MDL   | Units |
|-----------|-----------|--------|------|-------|-------|
| 7440-38-2 | Arsenic   | 0.40B  | 1.94 | 0.13  | mg/kg |
| 7440-39-3 | Barium    | 31.0   | 0.48 | 0.017 | mg/kg |
| 7440-47-3 | Chromium  | 10.6   | 0.48 | 0.018 | mg/kg |
| 7439-92-1 | Lead      | 3.34   | 0.73 | 0.069 | mg/kg |
| 7782-49-2 | Selenium  | 0.30B  | 1.94 | 0.17  | mg/kg |
| 7440-22-4 | Silver    | 0.13B  | 0.48 | 0.028 | mg/kg |

### SW-846 8260B

| CAS#    | Parameter | Result | RDL   | MDL      | Units |
|---------|-----------|--------|-------|----------|-------|
| 67-64-1 | Acetone   | 0.011J | 0.041 | 0.000615 | mg/kg |

|                               |                                    |                        |  |  |
|-------------------------------|------------------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20806072201 | <b>Client ID</b><br>OMS-28-1 (0-5) | <b>Matrix</b><br>Solid | <b>Collect Date/Time</b><br>06/06/2008 10:00 | <b>Receive Date/Time</b><br>06/07/2008 09:00 |
|-------------------------------|------------------------------------|------------------------|--|--|

SW-846 8260B

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>06/14/2008 01:06 | <b>By</b><br>JCK | <b>Analytical Batch</b><br>375646 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#           | Parameter                      | Result          | RDL            | MDL             | Units        |
|----------------|--------------------------------|-----------------|----------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000128U       | 0.00519        | 0.000128        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000187U       | 0.00519        | 0.000187        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000118U       | 0.00519        | 0.000118        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000165U       | 0.00519        | 0.000165        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000372U       | 0.00519        | 0.000372        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000339U       | 0.00519        | 0.000339        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.000898U       | 0.00519        | 0.000898        | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000156U       | 0.00519        | 0.000156        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000118U       | 0.00519        | 0.000118        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000118U       | 0.00519        | 0.000118        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000116U       | 0.00519        | 0.000116        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000245U       | 0.00519        | 0.000245        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000437U       | 0.00519        | 0.000437        | mg/kg        |
| <b>78-93-3</b> | <b>2-Butanone</b>              | <b>0.00485J</b> | <b>0.00519</b> | <b>0.000324</b> | <b>mg/kg</b> |
| 591-78-6       | 2-Hexanone                     | 0.000857U       | 0.00519        | 0.000857        | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000179U       | 0.00519        | 0.000179        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.031</b>    | <b>0.026</b>   | <b>0.000388</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000108U       | 0.00519        | 0.000108        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000140U       | 0.00519        | 0.000140        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000175U       | 0.00519        | 0.000175        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00156U        | 0.00519        | 0.00156         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000113U       | 0.00519        | 0.000113        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000124U       | 0.00519        | 0.000124        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000171U       | 0.00519        | 0.000171        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.000628U       | 0.00519        | 0.000628        | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000146U       | 0.00519        | 0.000146        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.000481U       | 0.00519        | 0.000481        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00115U        | 0.00519        | 0.00115         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.0000933U      | 0.00519        | 0.0000933       | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000378U       | 0.00519        | 0.000378        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000119U       | 0.00519        | 0.000119        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000146U       | 0.00519        | 0.000146        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000215U       | 0.00519        | 0.000215        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000159U       | 0.00519        | 0.000159        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00159U        | 0.00519        | 0.00159         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000384U       | 0.00519        | 0.000384        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.000497U       | 0.010          | 0.000497        | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000390U       | 0.00519        | 0.000390        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000158U       | 0.00519        | 0.000158        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000199U       | 0.00519        | 0.000199        | mg/kg        |
| 108-88-3       | Toluene                        | 0.000570U       | 0.00519        | 0.000570        | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000184U       | 0.00519        | 0.000184        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000261U       | 0.00519        | 0.000261        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000195U       | 0.00519        | 0.000195        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000364U       | 0.00519        | 0.000364        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.000593U       | 0.010          | 0.000593        | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000131U       | 0.00519        | 0.000131        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.0000767U      | 0.00519        | 0.0000767       | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000170U       | 0.00519        | 0.000170        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20806072201    | OMS-28-1 (0-5)   | Solid         | 06/06/2008 10:00         | 06/07/2008 09:00         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 06/14/2008 01:06 | JCK       | 375646                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .046         | .043      | mg/kg | 93         | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .046         | .05       | mg/kg | 107        | 65 - 135   |
| 2037-26-5  | Toluene d8            | .046         | .051      | mg/kg | 111        | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .046         | .057      | mg/kg | 122        | 52 - 149   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID      | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|----------------|--------|-------------------|-------------------|
| 20806072201 | OMS-28-1 (0-5) | Solid  | 06/06/2008 10:00  | 06/07/2008 09:00  |

SW-846 7471A

| Prep Date        | Prep Batch | Prep Method  | Dilution | Analyzed         | By  | Analytical Batch |
|------------------|------------|--------------|----------|------------------|-----|------------------|
| 06/07/2008 16:45 | 375162     | SW-846 7471A | 1        | 06/10/2008 10:51 | DJH | 375299           |

| CAS#      | Parameter | Result | RDL   | MDL    | Units |
|-----------|-----------|--------|-------|--------|-------|
| 7439-97-6 | Mercury   | 0.084  | 0.011 | 0.0043 | mg/kg |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID      | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|----------------|--------|-------------------|-------------------|
| 20806072201 | OMS-28-1 (0-5) | Solid  | 06/06/2008 10:00  | 06/07/2008 09:00  |

SW-846 6010B

| Prep Date        | Prep Batch | Prep Method  | Dilution | Analyzed         | By  | Analytical Batch |
|------------------|------------|--------------|----------|------------------|-----|------------------|
| 06/07/2008 16:45 | 375159     | SW-846 3050B | 1        | 06/12/2008 23:06 | CLB | 375528           |

| CAS#      | Parameter | Result  | RDL  | MDL    | Units |
|-----------|-----------|---------|------|--------|-------|
| 7440-38-2 | Arsenic   | 1.64B   | 1.80 | 0.12   | mg/kg |
| 7440-39-3 | Barium    | 26.7    | 0.45 | 0.016  | mg/kg |
| 7440-43-9 | Cadmium   | 0.0056U | 0.22 | 0.0056 | mg/kg |
| 7440-47-3 | Chromium  | 7.88    | 0.45 | 0.017  | mg/kg |
| 7439-92-1 | Lead      | 23.0    | 0.67 | 0.064  | mg/kg |
| 7782-49-2 | Selenium  | 0.15U   | 1.80 | 0.15   | mg/kg |
| 7440-22-4 | Silver    | 0.043B  | 0.45 | 0.026  | mg/kg |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID      | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|----------------|--------|-------------------|-------------------|
| 20806072201 | OMS-28-1 (0-5) | Solid  | 06/06/2008 10:00  | 06/07/2008 09:00  |

SM 2540G Dry Weight

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 06/10/2008 10:53 | KLS | 375212           |

| CAS#    | Parameter      | Result | RDL   | MDL   | Units |
|---------|----------------|--------|-------|-------|-------|
| WET-037 | Total Moisture | 11.1   | 0.010 | 0.010 | %     |

RESULTS REPORTED ON A DRY WEIGHT BASIS

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20806072202    | OMS-28-1 (5-10)  | Solid         | 06/06/2008 10:05         | 06/07/2008 09:00         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 06/14/2008 02:13 | JCK       | 375646                  |

| CAS#           | Parameter                      | Result          | RDL            | MDL             | Units        |
|----------------|--------------------------------|-----------------|----------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000165U       | 0.00671        | 0.000165        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000241U       | 0.00671        | 0.000241        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000153U       | 0.00671        | 0.000153        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000213U       | 0.00671        | 0.000213        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000481U       | 0.00671        | 0.000481        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000439U       | 0.00671        | 0.000439        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.00116U        | 0.00671        | 0.00116         | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000201U       | 0.00671        | 0.000201        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000153U       | 0.00671        | 0.000153        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000153U       | 0.00671        | 0.000153        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000150U       | 0.00671        | 0.000150        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000316U       | 0.00671        | 0.000316        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000565U       | 0.00671        | 0.000565        | mg/kg        |
| <b>78-93-3</b> | <b>2-Butanone</b>              | <b>0.016</b>    | <b>0.00671</b> | <b>0.000418</b> | <b>mg/kg</b> |
| 591-78-6       | 2-Hexanone                     | 0.00111U        | 0.00671        | 0.00111         | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000232U       | 0.00671        | 0.000232        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.103</b>    | <b>0.034</b>   | <b>0.000502</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000139U       | 0.00671        | 0.000139        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000181U       | 0.00671        | 0.000181        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000227U       | 0.00671        | 0.000227        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00202U        | 0.00671        | 0.00202         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000146U       | 0.00671        | 0.000146        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000161U       | 0.00671        | 0.000161        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000221U       | 0.00671        | 0.000221        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.000813U       | 0.00671        | 0.000813        | mg/kg        |
| <b>67-66-3</b> | <b>Chloroform</b>              | <b>0.00395J</b> | <b>0.00671</b> | <b>0.000189</b> | <b>mg/kg</b> |
| 74-87-3        | Chloromethane                  | 0.000622U       | 0.00671        | 0.000622        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00148U        | 0.00671        | 0.00148         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000121U       | 0.00671        | 0.000121        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000488U       | 0.00671        | 0.000488        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000154U       | 0.00671        | 0.000154        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000189U       | 0.00671        | 0.000189        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000278U       | 0.00671        | 0.000278        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000205U       | 0.00671        | 0.000205        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00205U        | 0.00671        | 0.00205         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000496U       | 0.00671        | 0.000496        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.000642U       | 0.013          | 0.000642        | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000504U       | 0.00671        | 0.000504        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000204U       | 0.00671        | 0.000204        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000257U       | 0.00671        | 0.000257        | mg/kg        |
| 108-88-3       | Toluene                        | 0.000738U       | 0.00671        | 0.000738        | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000237U       | 0.00671        | 0.000237        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000338U       | 0.00671        | 0.000338        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000252U       | 0.00671        | 0.000252        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000471U       | 0.00671        | 0.000471        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.000767U       | 0.013          | 0.000767        | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000169U       | 0.00671        | 0.000169        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.0000992U      | 0.00671        | 0.0000992       | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000220U       | 0.00671        | 0.000220        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20806072202    | OMS-28-1 (5-10)  | Solid         | 06/06/2008 10:05         | 06/07/2008 09:00         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 06/14/2008 02:13 | JCK       | 375646                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .054         | .047      | mg/kg | 87         | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .054         | .061      | mg/kg | 112        | 65 - 135   |
| 2037-26-5  | Toluene d8            | .054         | .061      | mg/kg | 113        | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .054         | .067      | mg/kg | 124        | 52 - 149   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID       | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------------|--------|-------------------|-------------------|
| 20806072202 | OMS-28-1 (5-10) | Solid  | 06/06/2008 10:05  | 06/07/2008 09:00  |

SW-846 7471A

| Prep Date        | Prep Batch | Prep Method  | Dilution | Analyzed         | By  | Analytical Batch |
|------------------|------------|--------------|----------|------------------|-----|------------------|
| 06/07/2008 16:45 | 375162     | SW-846 7471A | 1        | 06/10/2008 10:53 | DJH | 375299           |

| CAS#      | Parameter | Result | RDL   | MDL    | Units |
|-----------|-----------|--------|-------|--------|-------|
| 7439-97-6 | Mercury   | 0.19   | 0.012 | 0.0048 | mg/kg |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID       | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------------|--------|-------------------|-------------------|
| 20806072202 | OMS-28-1 (5-10) | Solid  | 06/06/2008 10:05  | 06/07/2008 09:00  |

SW-846 6010B

| Prep Date        | Prep Batch | Prep Method  | Dilution | Analyzed         | By  | Analytical Batch |
|------------------|------------|--------------|----------|------------------|-----|------------------|
| 06/07/2008 16:45 | 375159     | SW-846 3050B | 1        | 06/12/2008 23:12 | CLB | 375528           |

| CAS#      | Parameter | Result  | RDL  | MDL    | Units |
|-----------|-----------|---------|------|--------|-------|
| 7440-38-2 | Arsenic   | 13.5    | 1.98 | 0.13   | mg/kg |
| 7440-39-3 | Barium    | 119     | 0.50 | 0.017  | mg/kg |
| 7440-43-9 | Cadmium   | 0.0062U | 0.25 | 0.0062 | mg/kg |
| 7440-47-3 | Chromium  | 6.95    | 0.50 | 0.019  | mg/kg |
| 7439-92-1 | Lead      | 245     | 0.74 | 0.071  | mg/kg |
| 7782-49-2 | Selenium  | 0.38B   | 1.98 | 0.17   | mg/kg |
| 7440-22-4 | Silver    | 0.072B  | 0.50 | 0.029  | mg/kg |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID       | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------------|--------|-------------------|-------------------|
| 20806072202 | OMS-28-1 (5-10) | Solid  | 06/06/2008 10:05  | 06/07/2008 09:00  |

SM 2540G Dry Weight

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 06/10/2008 10:53 | KLS | 375212           |

| CAS#    | Parameter      | Result | RDL   | MDL   | Units |
|---------|----------------|--------|-------|-------|-------|
| WET-037 | Total Moisture | 19.3   | 0.010 | 0.010 | %     |

RESULTS REPORTED ON A DRY WEIGHT BASIS

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20806072203    | OMS-28-1 (10-15) | Solid         | 06/06/2008 10:10         | 06/07/2008 09:00         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 06/14/2008 01:28 | JCK       | 375646                  |

| CAS#           | Parameter                      | Result        | RDL          | MDL             | Units        |
|----------------|--------------------------------|---------------|--------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000230U     | 0.00936      | 0.000230        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000337U     | 0.00936      | 0.000337        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000213U     | 0.00936      | 0.000213        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000298U     | 0.00936      | 0.000298        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000672U     | 0.00936      | 0.000672        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000612U     | 0.00936      | 0.000612        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.00162U      | 0.00936      | 0.00162         | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000281U     | 0.00936      | 0.000281        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000213U     | 0.00936      | 0.000213        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000213U     | 0.00936      | 0.000213        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000210U     | 0.00936      | 0.000210        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000442U     | 0.00936      | 0.000442        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000788U     | 0.00936      | 0.000788        | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000584U     | 0.00936      | 0.000584        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.00155U      | 0.00936      | 0.00155         | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000324U     | 0.00936      | 0.000324        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.030J</b> | <b>0.047</b> | <b>0.000700</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000195U     | 0.00936      | 0.000195        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000253U     | 0.00936      | 0.000253        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000316U     | 0.00936      | 0.000316        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00282U      | 0.00936      | 0.00282         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000204U     | 0.00936      | 0.000204        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000225U     | 0.00936      | 0.000225        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000309U     | 0.00936      | 0.000309        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.00113U      | 0.00936      | 0.00113         | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000264U     | 0.00936      | 0.000264        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.000869U     | 0.00936      | 0.000869        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00207U      | 0.00936      | 0.00207         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000168U     | 0.00936      | 0.000168        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000681U     | 0.00936      | 0.000681        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000215U     | 0.00936      | 0.000215        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000264U     | 0.00936      | 0.000264        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000388U     | 0.00936      | 0.000388        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000286U     | 0.00936      | 0.000286        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00286U      | 0.00936      | 0.00286         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000693U     | 0.00936      | 0.000693        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.000897U     | 0.019        | 0.000897        | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000704U     | 0.00936      | 0.000704        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000285U     | 0.00936      | 0.000285        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000359U     | 0.00936      | 0.000359        | mg/kg        |
| 108-88-3       | Toluene                        | 0.00103U      | 0.00936      | 0.00103         | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000331U     | 0.00936      | 0.000331        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000472U     | 0.00936      | 0.000472        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000352U     | 0.00936      | 0.000352        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000657U     | 0.00936      | 0.000657        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.00107U      | 0.019        | 0.00107         | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000236U     | 0.00936      | 0.000236        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.000139U     | 0.00936      | 0.000139        | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000307U     | 0.00936      | 0.000307        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20806072203    | OMS-28-1 (10-15) | Solid         | 06/06/2008 10:10         | 06/07/2008 09:00         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 06/14/2008 01:28 | JCK       | 375646                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .083         | .079      | mg/kg | 95         | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .083         | .09       | mg/kg | 109        | 65 - 135   |
| 2037-26-5  | Toluene d8            | .083         | .084      | mg/kg | 101        | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .083         | .105      | mg/kg | 127        | 52 - 149   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20806072203 | OMS-28-1 (10-15) | Solid  | 06/06/2008 10:10  | 06/07/2008 09:00  |

SW-846 7471A

| Prep Date        | Prep Batch | Prep Method  | Dilution | Analyzed         | By  | Analytical Batch |
|------------------|------------|--------------|----------|------------------|-----|------------------|
| 06/07/2008 16:45 | 375162     | SW-846 7471A | 1        | 06/10/2008 10:54 | DJH | 375299           |

| CAS#      | Parameter | Result  | RDL   | MDL    | Units |
|-----------|-----------|---------|-------|--------|-------|
| 7439-97-6 | Mercury   | 0.0090B | 0.011 | 0.0044 | mg/kg |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20806072203 | OMS-28-1 (10-15) | Solid  | 06/06/2008 10:10  | 06/07/2008 09:00  |

SW-846 6010B

| Prep Date        | Prep Batch | Prep Method  | Dilution | Analyzed         | By  | Analytical Batch |
|------------------|------------|--------------|----------|------------------|-----|------------------|
| 06/07/2008 16:45 | 375159     | SW-846 3050B | 1        | 06/12/2008 23:18 | CLB | 375528           |

| CAS#      | Parameter | Result  | RDL  | MDL    | Units |
|-----------|-----------|---------|------|--------|-------|
| 7440-38-2 | Arsenic   | 2.09    | 1.79 | 0.12   | mg/kg |
| 7440-39-3 | Barium    | 5.13    | 0.45 | 0.016  | mg/kg |
| 7440-43-9 | Cadmium   | 0.0056U | 0.22 | 0.0056 | mg/kg |
| 7440-47-3 | Chromium  | 8.53    | 0.45 | 0.017  | mg/kg |
| 7439-92-1 | Lead      | 0.92    | 0.67 | 0.064  | mg/kg |
| 7782-49-2 | Selenium  | 0.16B   | 1.79 | 0.15   | mg/kg |
| 7440-22-4 | Silver    | 0.081B  | 0.45 | 0.026  | mg/kg |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20806072203 | OMS-28-1 (10-15) | Solid  | 06/06/2008 10:10  | 06/07/2008 09:00  |

SM 2540G Dry Weight

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 06/10/2008 10:53 | KLS | 375212           |

| CAS#    | Parameter      | Result | RDL   | MDL   | Units |
|---------|----------------|--------|-------|-------|-------|
| WET-037 | Total Moisture | 11.6   | 0.010 | 0.010 | %     |

RESULTS REPORTED ON A DRY WEIGHT BASIS

|                               |                                      |                        |  |  |
|-------------------------------|--------------------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20806072204 | <b>Client ID</b><br>OMS-28-1 (65-70) | <b>Matrix</b><br>Solid | <b>Collect Date/Time</b><br>06/06/2008 11:35 | <b>Receive Date/Time</b><br>06/07/2008 09:00 |
|-------------------------------|--------------------------------------|------------------------|--|--|

SW-846 8260B

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>06/14/2008 01:51 | <b>By</b><br>JCK | <b>Analytical Batch</b><br>375646 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#           | Parameter                      | Result        | RDL          | MDL             | Units        |
|----------------|--------------------------------|---------------|--------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000202U     | 0.00822      | 0.000202        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000296U     | 0.00822      | 0.000296        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000187U     | 0.00822      | 0.000187        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000261U     | 0.00822      | 0.000261        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000590U     | 0.00822      | 0.000590        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000538U     | 0.00822      | 0.000538        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.00142U      | 0.00822      | 0.00142         | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000247U     | 0.00822      | 0.000247        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000187U     | 0.00822      | 0.000187        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000187U     | 0.00822      | 0.000187        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000184U     | 0.00822      | 0.000184        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000388U     | 0.00822      | 0.000388        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000692U     | 0.00822      | 0.000692        | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000513U     | 0.00822      | 0.000513        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.00136U      | 0.00822      | 0.00136         | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000284U     | 0.00822      | 0.000284        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.011J</b> | <b>0.041</b> | <b>0.000615</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000171U     | 0.00822      | 0.000171        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000222U     | 0.00822      | 0.000222        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000278U     | 0.00822      | 0.000278        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00247U      | 0.00822      | 0.00247         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000179U     | 0.00822      | 0.000179        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000197U     | 0.00822      | 0.000197        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000271U     | 0.00822      | 0.000271        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.000996U     | 0.00822      | 0.000996        | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000232U     | 0.00822      | 0.000232        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.000763U     | 0.00822      | 0.000763        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00182U      | 0.00822      | 0.00182         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000148U     | 0.00822      | 0.000148        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000598U     | 0.00822      | 0.000598        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000189U     | 0.00822      | 0.000189        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000232U     | 0.00822      | 0.000232        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000340U     | 0.00822      | 0.000340        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000252U     | 0.00822      | 0.000252        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00251U      | 0.00822      | 0.00251         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000608U     | 0.00822      | 0.000608        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.000788U     | 0.016        | 0.000788        | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000618U     | 0.00822      | 0.000618        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000250U     | 0.00822      | 0.000250        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000316U     | 0.00822      | 0.000316        | mg/kg        |
| 108-88-3       | Toluene                        | 0.000904U     | 0.00822      | 0.000904        | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000291U     | 0.00822      | 0.000291        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000414U     | 0.00822      | 0.000414        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000309U     | 0.00822      | 0.000309        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000577U     | 0.00822      | 0.000577        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.000940U     | 0.016        | 0.000940        | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000207U     | 0.00822      | 0.000207        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.000122U     | 0.00822      | 0.000122        | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000270U     | 0.00822      | 0.000270        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20806072204    | OMS-28-1 (65-70) | Solid         | 06/06/2008 11:35         | 06/07/2008 09:00         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 06/14/2008 01:51 | JCK       | 375646                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .068         | .07       | mg/kg | 103        | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .068         | .074      | mg/kg | 109        | 65 - 135   |
| 2037-26-5  | Toluene d8            | .068         | .069      | mg/kg | 101        | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .068         | .086      | mg/kg | 126        | 52 - 149   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20806072204 | OMS-28-1 (65-70) | Solid  | 06/06/2008 11:35  | 06/07/2008 09:00  |

SW-846 7471A

| Prep Date        | Prep Batch | Prep Method  | Dilution | Analyzed         | By  | Analytical Batch |
|------------------|------------|--------------|----------|------------------|-----|------------------|
| 06/07/2008 16:45 | 375162     | SW-846 7471A | 1        | 06/10/2008 10:56 | DJH | 375299           |

| CAS#      | Parameter | Result | RDL   | MDL    | Units |
|-----------|-----------|--------|-------|--------|-------|
| 7439-97-6 | Mercury   | 0.020  | 0.012 | 0.0047 | mg/kg |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20806072204 | OMS-28-1 (65-70) | Solid  | 06/06/2008 11:35  | 06/07/2008 09:00  |

SW-846 6010B

| Prep Date        | Prep Batch | Prep Method  | Dilution | Analyzed         | By  | Analytical Batch |
|------------------|------------|--------------|----------|------------------|-----|------------------|
| 06/07/2008 16:45 | 375159     | SW-846 3050B | 1        | 06/12/2008 23:24 | CLB | 375528           |

| CAS#      | Parameter | Result  | RDL  | MDL    | Units |
|-----------|-----------|---------|------|--------|-------|
| 7440-38-2 | Arsenic   | 0.40B   | 1.94 | 0.13   | mg/kg |
| 7440-39-3 | Barium    | 31.0    | 0.48 | 0.017  | mg/kg |
| 7440-43-9 | Cadmium   | 0.0061U | 0.24 | 0.0061 | mg/kg |
| 7440-47-3 | Chromium  | 10.6    | 0.48 | 0.018  | mg/kg |
| 7439-92-1 | Lead      | 3.34    | 0.73 | 0.069  | mg/kg |
| 7782-49-2 | Selenium  | 0.30B   | 1.94 | 0.17   | mg/kg |
| 7440-22-4 | Silver    | 0.13B   | 0.48 | 0.028  | mg/kg |

RESULTS REPORTED ON A DRY WEIGHT BASIS

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20806072204    | OMS-28-1 (65-70) | Solid         | 06/06/2008 11:35         | 06/07/2008 09:00         |

SM 2540G Dry Weight

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 06/10/2008 10:53 | KLS       | 375212                  |

|             |                  |               |            |            |              |
|-------------|------------------|---------------|------------|------------|--------------|
| <b>CAS#</b> | <b>Parameter</b> | <b>Result</b> | <b>RDL</b> | <b>MDL</b> | <b>Units</b> |
| WET-037     | Total Moisture   | 17.4          | 0.010      | 0.010      | %            |

RESULTS REPORTED ON A DRY WEIGHT BASIS

# GC/MS Volatiles Quality Control Summary

| Analytical Batch 375646<br>Prep Batch N/A |                             | Client ID MB375646<br>GCAL ID 614700<br>Sample Type Method Blank<br>Analytical Date 06/13/2008 23:12<br>Matrix Solid |          |       | LCS375646<br>614701<br>LCS<br>06/13/2008 21:16<br>Solid |     |            | LCSD375646<br>614702<br>LCSD<br>06/13/2008 21:39<br>Solid |     |     |       |
|---|-----------------------------|--|----------|-------|---|-----|------------|---|-----|-----|-------|
| SW-846 8260B                              |                             | Units  | mg/kg    | Spike | Result  | % R | Control    | Result  | % R | RPD | RPD   |
|   |                             | Result   | RDL      | Added |   |     | Limits % R |   |     |     | Limit |
| 67-64-1                                   | Acetone                     | 0.000374U  | 0.000374 | 0.050 | 0.062   | 124 | 20 - 160   | 0.063   | 125 | 2   | 30    |
| 75-27-4                                   | Bromodichloromethane        | 0.000135U  | 0.000135 | 0.050 | 0.054   | 107 | 70 - 130   | 0.058   | 115 | 7   | 30    |
| 75-25-2                                   | Bromoform                   | 0.000169U  | 0.000169 | 0.050 | 0.057   | 114 | 55 - 135   | 0.060   | 121 | 5   | 30    |
| 74-83-9                                   | Bromomethane                | 0.00151U   | 0.00151  | 0.050 | 0.049   | 98  | 30 - 160   | 0.059   | 118 | 19  | 30    |
| 75-15-0                                   | Carbon disulfide            | 0.000109U  | 0.000109 | 0.050 | 0.049   | 99  | 45 - 160   | 0.051   | 103 | 4   | 30    |
| 56-23-5                                   | Carbon tetrachloride        | 0.000120U  | 0.000120 | 0.050 | 0.055   | 111 | 65 - 135   | 0.063   | 126 | 14  | 30    |
| 75-00-3                                   | Chloroethane                | 0.000606U  | 0.000606 | 0.050 | 0.041   | 81  | 40 - 155   | 0.049   | 97  | 18  | 30    |
| 67-66-3                                   | Chloroform                  | 0.00188J   | 0.000141 | 0.050 | 0.049   | 98  | 70 - 125   | 0.052   | 103 | 6   | 30    |
| 74-87-3                                   | Chloromethane               | 0.000464U  | 0.000464 | 0.050 | 0.048   | 96  | 50 - 130   | 0.050   | 101 | 4   | 30    |
| 124-48-1                                  | Dibromochloromethane        | 0.000900U  | 0.000900 | 0.050 | 0.054   | 107 | 65 - 130   | 0.057   | 113 | 5   | 30    |
| 75-71-8                                   | Dichlorodifluoromethane     | 0.000364U  | 0.000364 | 0.050 | 0.048   | 95  | 35 - 135   | 0.047   | 95  | 2   | 30    |
| 75-34-3                                   | 1,1-Dichloroethane          | 0.000159U  | 0.000159 | 0.050 | 0.051   | 102 | 75 - 125   | 0.054   | 108 | 6   | 30    |
| 107-06-2                                  | 1,2-Dichloroethane          | 0.000114U  | 0.000114 | 0.050 | 0.050   | 100 | 70 - 135   | 0.054   | 108 | 8   | 30    |
| 156-59-2                                  | cis-1,2-Dichloroethene      | 0.000126U  | 0.000126 | 0.050 | 0.052   | 103 | 65 - 125   | 0.055   | 110 | 6   | 30    |
| 156-60-5                                  | trans-1,2-Dichloroethene    | 0.000164U  | 0.000164 | 0.050 | 0.051   | 102 | 65 - 135   | 0.055   | 111 | 8   | 30    |
| 75-09-2                                   | Methylene chloride          | 0.00128J   | 0.000479 | 0.050 | 0.045   | 90  | 55 - 140   | 0.047   | 95  | 4   | 30    |
| 78-87-5                                   | 1,2-Dichloropropane         | 0.000112U  | 0.000112 | 0.050 | 0.050   | 99  | 70 - 120   | 0.052   | 104 | 4   | 30    |
| 10061-01-5                                | cis-1,3-Dichloropropene     | 0.000115U  | 0.000115 | 0.050 | 0.051   | 102 | 70 - 125   | 0.055   | 110 | 8   | 30    |
| 10061-02-6                                | trans-1,3-Dichloropropene   | 0.000141U  | 0.000141 | 0.050 | 0.051   | 103 | 65 - 125   | 0.055   | 109 | 8   | 30    |
| 100-41-4                                  | Ethylbenzene                | 0.000207U  | 0.000207 | 0.050 | 0.048   | 96  | 75 - 125   | 0.050   | 101 | 4   | 30    |
| 591-78-6                                  | 2-Hexanone                  | 0.000826U  | 0.000826 | 0.050 | 0.052   | 104 | 45 - 145   | 0.058   | 115 | 11  | 30    |
| 98-82-8                                   | Isopropylbenzene (Cumene)   | 0.000153U  | 0.000153 | 0.050 | 0.048   | 96  | 75 - 130   | 0.051   | 102 | 6   | 30    |
| 78-93-3                                   | 2-Butanone                  | 0.000312U  | 0.000312 | 0.050 | 0.057   | 114 | 30 - 160   | 0.064   | 127 | 12  | 30    |
| 108-10-1                                  | 4-Methyl-2-pentanone        | 0.000173U  | 0.000173 | 0.050 | 0.049   | 99  | 45 - 145   | 0.055   | 109 | 12  | 30    |
| 100-42-5                                  | Styrene                     | 0.000152U  | 0.000152 | 0.050 | 0.050   | 99  | 75 - 125   | 0.053   | 105 | 6   | 30    |
| 127-18-4                                  | Tetrachloroethene           | 0.000192U  | 0.000192 | 0.050 | 0.046   | 93  | 65 - 140   | 0.050   | 101 | 8   | 30    |
| 79-34-5                                   | 1,1,2,2-Tetrachloroethane   | 0.000180U  | 0.000180 | 0.050 | 0.052   | 104 | 55 - 130   | 0.055   | 110 | 6   | 30    |
| 120-82-1                                  | 1,2,4-Trichlorobenzene      | 0.000327U  | 0.000327 | 0.050 | 0.054   | 107 | 65 - 130   | 0.059   | 119 | 9   | 30    |
| 71-55-6                                   | 1,1,1-Trichloroethane       | 0.000123U  | 0.000123 | 0.050 | 0.051   | 103 | 70 - 135   | 0.055   | 110 | 8   | 30    |
| 79-00-5                                   | 1,1,2-Trichloroethane       | 0.000114U  | 0.000114 | 0.050 | 0.053   | 105 | 60 - 125   | 0.055   | 109 | 4   | 30    |
| 75-69-4                                   | Trichlorofluoromethane      | 0.000252U  | 0.000252 | 0.050 | 0.046   | 92  | 25 - 185   | 0.036   | 73  | 24  | 30    |
| 75-01-4                                   | Vinyl chloride              | 0.000351U  | 0.000351 | 0.050 | 0.050   | 100 | 60 - 125   | 0.052   | 103 | 4   | 30    |
| 96-12-8                                   | 1,2-Dibromo-3-chloropropane | 0.000866U  | 0.000866 | 0.050 | 0.055   | 110 | 40 - 135   | 0.060   | 120 | 9   | 30    |

# GC/MS Volatiles Quality Control Summary

| Analytical Batch 375646<br>Prep Batch N/A |                                | Client ID MB375646<br>GCAL ID 614700<br>Sample Type Method Blank<br>Analytical Date 06/13/2008 23:12<br>Matrix Solid |              |                | LCS375646<br>614701<br>LCS<br>06/13/2008 21:16<br>Solid |     |                       | LCSD375646<br>614702<br>LCSD<br>06/13/2008 21:39<br>Solid |     |     |              |
|---|--------------------------------|--|--------------|----------------|---|-----|-----------------------|---|-----|-----|--------------|
| <b>SW-846 8260B</b>                       |                                | Units<br>Result  | mg/kg<br>RDL | Spike<br>Added | Result  | % R | Control<br>Limits % R | Result  | % R | RPD | RPD<br>Limit |
| 106-93-4                                  | 1,2-Dibromoethane              | 0.000150U  | 0.000150     | 0.050          | 0.050   | 100 | 70 - 125              | 0.054   | 109 | 8   | 30           |
| 1634-04-4                                 | tert-Butyl methyl ether (MTBE) | 0.0000740U   | 0.0000740    | 0.050          | 0.041   | 81  | 50 - 135              | 0.046   | 92  | 11  | 30           |
| 1330-20-7                                 | Xylene (total)                 | 0.000572U  | 0.000572     | 0.150          | 0.146   | 97  | 75 - 125              | 0.154   | 103 | 5   | 30           |
| 108-87-2                                  | Methylcyclohexane              | 0.000370U  | 0.000370     | 0.050          | 0.045   | 89  | 79 - 122              | 0.046   | 92  | 2   | 30           |
| 110-82-7                                  | Cyclohexane                    | 0.00111U   | 0.00111      | 0.050          | 0.047   | 93  | 61 - 143              | 0.047   | 94  | 0   | 30           |
| 79-20-9                                   | Methyl Acetate                 | 0.00153U   | 0.00153      | 0.050          | 0.051   | 102 | 41 - 164              | 0.051   | 103 | 0   | 30           |
| 76-13-1                                   | Trichlorotrifluoroethane       | 0.000188U  | 0.000188     | 0.050          | 0.049   | 97  | 71 - 137              | 0.049   | 97  | 0   | 30           |
| 541-73-1                                  | 1,3-Dichlorobenzene            | 0.000236U  | 0.000236     | 0.050          | 0.050   | 100 | 70 - 125              | 0.054   | 107 | 8   | 30           |
| 106-46-7                                  | 1,4-Dichlorobenzene            | 0.000421U  | 0.000421     | 0.050          | 0.049   | 98  | 70 - 125              | 0.053   | 106 | 8   | 30           |
| 95-50-1                                   | 1,2-Dichlorobenzene            | 0.000114U  | 0.000114     | 0.050          | 0.051   | 103 | 75 - 120              | 0.054   | 109 | 6   | 30           |
| 91-20-3                                   | Naphthalene                    | 0.000376U  | 0.000376     | 0.050          | 0.051   | 103 | 40 - 125              | 0.057   | 114 | 11  | 30           |
| 75-35-4                                   | 1,1-Dichloroethene             | 0.000359U  | 0.000359     | 0.050          | 0.050   | 100 | 65 - 135              | 0.051   | 101 | 2   | 30           |
| 71-43-2                                   | Benzene                        | 0.000104U  | 0.000104     | 0.050          | 0.048   | 96  | 75 - 125              | 0.052   | 103 | 8   | 30           |
| 79-01-6                                   | Trichloroethene                | 0.000177U  | 0.000177     | 0.050          | 0.048   | 95  | 75 - 125              | 0.050   | 101 | 4   | 30           |
| 108-88-3                                  | Toluene                        | 0.000550U  | 0.000550     | 0.050          | 0.047   | 94  | 70 - 125              | 0.050   | 99  | 6   | 30           |
| 108-90-7                                  | Chlorobenzene                  | 0.000165U  | 0.000165     | 0.050          | 0.049   | 97  | 75 - 125              | 0.051   | 102 | 4   | 30           |
| <b>Surrogate</b>                          |                                |  |              |                |   |     |                       |   |     |     |              |
| 460-00-4                                  | 4-Bromofluorobenzene           | 48.6   | 97           | 50             | 46.9  | 94  | 85 - 120              | 50.3  | 101 |     |              |
| 1868-53-7                                 | Dibromofluoromethane           | 52.4   | 105          | 50             | 49.6  | 99  | 65 - 135              | 53.7  | 107 |     |              |
| 2037-26-5                                 | Toluene d8                     | 52.1   | 104          | 50             | 47.2  | 94  | 85 - 115              | 50.1  | 100 |     |              |
| 17060-07-0                                | 1,2-Dichloroethane-d4          | 53.3   | 107          | 50             | 48.1  | 96  | 52 - 149              | 52.8  | 106 |     |              |

# Inorganics Quality Control Summary

|  |  |   |            |              |               |                   |
|--|--|---|------------|--------------|---------------|-------------------|
| <b>Analytical Batch</b> 375299<br><b>Prep Batch</b> 375162<br><b>Prep Method</b> SW-846<br>7471A | <b>Client ID</b> MB375162<br><b>GCAL ID</b> 612366<br><b>Sample Type</b> Method Blank<br><b>Prep Date</b> 06/07/2008 16:45<br><b>Analytical Date</b> 06/10/2008 10:23<br><b>Matrix</b> Solid | LCS375162<br>612367<br>LCS<br>06/07/2008 16:45<br>06/10/2008 10:25<br>Solid |            |              |               |                   |
| <b>SW-846 7471A</b>  |  | <b>Units</b>  | mg/kg      | <b>Spike</b> | <b>Result</b> | <b>Control</b>    |
|  |  | <b>Result</b>   | <b>RDL</b> | <b>Added</b> | <b>% R</b>    | <b>Limits % R</b> |
| 7439-97-6  | Mercury  | 0.0039U   | 0.0039     | 0.25         | 0.27          | 109 83 - 118      |

|  |   |   |            |              |               |                   |
|--|---|---|------------|--------------|---------------|-------------------|
| <b>Analytical Batch</b> 375299<br><b>Prep Batch</b> 375162<br><b>Prep Method</b> SW-846<br>7471A | <b>Client ID</b> #1 BAGHOUSE DUST<br><b>GCAL ID</b> 20806072301<br><b>Sample Type</b> SAMPLE<br><b>Prep Date</b> 06/07/2008 16:45<br><b>Analytical Date</b> 06/10/2008 10:26<br><b>Matrix</b> Solid | 612321MS<br>612369<br>MS<br>06/07/2008 16:45<br>06/10/2008 10:29<br>Solid |            |              |               |                   |
| <b>SW-846 7471A</b>  |   | <b>Units</b>  | mg/kg      | <b>Spike</b> | <b>Result</b> | <b>Control</b>    |
|  |   | <b>Result</b>   | <b>RDL</b> | <b>Added</b> | <b>% R</b>    | <b>Limits % R</b> |
| 7439-97-6  | Mercury   | 0.025   | 0.0039     | 0.25         | 0.30          | 109 83 - 118      |

|  |   |   |            |               |              |            |
|--|---|---|------------|---------------|--------------|------------|
| <b>Analytical Batch</b> 375299<br><b>Prep Batch</b> 375162<br><b>Prep Method</b> SW-846<br>7471A | <b>Client ID</b> #1 BAGHOUSE DUST<br><b>GCAL ID</b> 20806072301<br><b>Sample Type</b> SAMPLE<br><b>Prep Date</b> 06/07/2008 16:45<br><b>Analytical Date</b> 06/10/2008 10:26<br><b>Matrix</b> Solid | 612321DUP<br>612368<br>DUP<br>06/07/2008 16:45<br>06/10/2008 10:28<br>Solid |            |               |              |            |
| <b>SW-846 7471A</b>  |   | <b>Units</b>  | mg/kg      | <b>Result</b> | <b>RPD</b>   | <b>RPD</b> |
|  |   | <b>Result</b>   | <b>RDL</b> |               | <b>Limit</b> |            |
| 7439-97-6  | Mercury   | 0.025   | 0.0039     | 0.022         | 13           | 30         |

# Inorganics Quality Control Summary

|  |  |  |            |              |               |            |                   |
|--|--|--|------------|--------------|---------------|------------|-------------------|
| <b>Analytical Batch</b> 375528<br><b>Prep Batch</b> 375159<br><b>Prep Method</b> SW-846<br>3050B | <b>Client ID</b> MB375159<br><b>GCAL ID</b> 612356<br><b>Sample Type</b> Method Blank<br><b>Prep Date</b> 06/07/2008 16:45<br><b>Analytical Date</b> 06/12/2008 21:51<br><b>Matrix</b> Solid | <b>LCS375159</b><br>612357<br>LCS<br>06/07/2008 16:45<br>06/12/2008 21:58<br>Solid |            |              |               |            |                   |
| <b>SW-846 6010B</b>  |  | <b>Units</b>   | mg/kg      | <b>Spike</b> | <b>Result</b> | <b>% R</b> | <b>Control</b>    |
|  |  | <b>Result</b>  | <b>RDL</b> | <b>Added</b> |               |            | <b>Limits % R</b> |
| 7440-38-2  | Arsenic  | 0.10U  | 0.10       | 20.0         | 17.8          | 89         | 80 - 120          |
| 7440-39-3  | Barium   | 0.015B   | 0.014      | 20.0         | 19.4          | 97         | 80 - 120          |
| 7440-43-9  | Cadmium  | 0.0050U  | 0.0050     | 20.0         | 18.9          | 94         | 80 - 120          |
| 7440-47-3  | Chromium   | 0.015U   | 0.015      | 20.0         | 19.7          | 98         | 80 - 120          |
| 7439-92-1  | Lead   | 0.057U   | 0.057      | 20.0         | 19.0          | 95         | 80 - 120          |
| 7782-49-2  | Selenium   | 0.14U  | 0.14       | 20.0         | 18.9          | 95         | 80 - 120          |
| 7440-22-4  | Silver   | 0.023U   | 0.023      | 20.0         | 19.5          | 97         | 75 - 120          |

|  |   |  |            |              |               |            |                   |
|--|---|--|------------|--------------|---------------|------------|-------------------|
| <b>Analytical Batch</b> 375528<br><b>Prep Batch</b> 375159<br><b>Prep Method</b> SW-846<br>3050B | <b>Client ID</b> #1 BAGHOUSE DUST<br><b>GCAL ID</b> 20806072301<br><b>Sample Type</b> SAMPLE<br><b>Prep Date</b> 06/07/2008 16:45<br><b>Analytical Date</b> 06/12/2008 22:04<br><b>Matrix</b> Solid | <b>612321MS</b><br>612359<br>MS<br>06/07/2008 16:45<br>06/12/2008 22:15<br>Solid |            |              |               |            |                   |
| <b>SW-846 6010B</b>  |   | <b>Units</b>   | mg/kg      | <b>Spike</b> | <b>Result</b> | <b>% R</b> | <b>Control</b>    |
|  |   | <b>Result</b>  | <b>RDL</b> | <b>Added</b> |               |            | <b>Limits % R</b> |
| 7440-38-2  | Arsenic   | 1.93   | 0.10       | 20.0         | 15.8          | 69*        | 80 - 120          |
| 7440-39-3  | Barium  | 88.2   | 0.014      | 20.0         | 100           | 61*        | 80 - 120          |
| 7440-43-9  | Cadmium   | 0.0  | 0.0050     | 20.0         | 13.5          | 67*        | 80 - 120          |
| 7440-47-3  | Chromium  | 16.1   | 0.015      | 20.0         | 30.2          | 70*        | 80 - 120          |
| 7439-92-1  | Lead  | 17.7   | 0.057      | 20.0         | 31.4          | 69*        | 80 - 120          |
| 7782-49-2  | Selenium  | 0.33   | 0.14       | 20.0         | 14.9          | 73*        | 80 - 120          |
| 7440-22-4  | Silver  | 0.031  | 0.023      | 20.0         | 15.4          | 77         | 75 - 120          |

# Inorganics Quality Control Summary

|                                |   |                    |               |            |              |    |
|--------------------------------|---|--------------------|---------------|------------|--------------|----|
| <b>Analytical Batch</b> 375528 | <b>Client ID</b> #1 BAGHOUSE DUST       | 612321DUP          |               |            |              |    |
| <b>Prep Batch</b> 375159       | <b>GCAL ID</b> 20806072301              | 612358             |               |            |              |    |
| <b>Prep Method</b> SW-846      | <b>Sample Type</b> SAMPLE               | DUP                |               |            |              |    |
| 3050B                          | <b>Prep Date</b> 06/07/2008 16:45       | 06/07/2008 16:45   |               |            |              |    |
|                                | <b>Analytical Date</b> 06/12/2008 22:04 | 06/12/2008 22:10   |               |            |              |    |
|                                | <b>Matrix</b> Solid                     | Solid              |               |            |              |    |
| <b>SW-846 6010B</b>            |   | <b>Units</b> mg/kg | <b>Result</b> | <b>RPD</b> | <b>RPD</b>   |    |
|                                |   | <b>Result</b>      | <b>RDL</b>    |            | <b>Limit</b> |    |
| 7440-38-2                      | Arsenic                                 | 1.93               | 0.10          | 1.68       | 14           | 30 |
| 7440-39-3                      | Barium                                  | 88.2               | 0.014         | 87.0       | 1            | 30 |
| 7440-43-9                      | Cadmium                                 | 0.0                | 0.0050        | 0.0        | 0            | 30 |
| 7440-47-3                      | Chromium                                | 16.1               | 0.015         | 16.2       | 0.6          | 30 |
| 7439-92-1                      | Lead                                    | 17.7               | 0.057         | 17.7       | 0            | 30 |
| 7782-49-2                      | Selenium                                | 0.33               | 0.14          | 0.58       | 55*          | 30 |
| 7440-22-4                      | Silver                                  | 0.031              | 0.023         | 0.036      | 15           | 30 |

# General Chemistry Quality Control Summary

|   |   |   |   |               |            |                            |
|---|---|---|---|---------------|------------|----------------------------|
| <b>Analytical Batch</b> 375212<br><b>Prep Batch</b> N/A | <b>Client ID</b><br><b>GCAL ID</b><br><b>Sample Type</b><br><b>Analytical Date</b><br><b>Matrix</b> | DRUMS 1-8<br>20806047701<br>SAMPLE<br>06/10/2008 10:53<br>Solid | 611221DUP<br>612513<br>DUP<br>06/10/2008 10:53<br>Solid |               |            |                            |
| <b>SM 2540G Dry Weight</b>                              |   | <b>Units</b><br><b>Result</b>                                   | <b>%</b><br><b>RDL</b>                                  | <b>Result</b> | <b>RPD</b> | <b>RPD</b><br><b>Limit</b> |
| WET-037   | Total Moisture  | 1.19  | 0.010   | 1.24          | 4.1        | 25                         |

## CASE NARRATIVE

**Client:** Aerostar      **Report:** 208060722

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

### **VOLATILES MASS SPECTROMETRY**

In the SW-846 8260B analysis for analytical batch 375646, no MS/MSD was performed due to insufficient sample volume. The LCS/LCSD is included for review.

In the SW-846 8260B analysis of sample 20806072203 (OMS-28-1 (10-15)) and 20806072204 (OMS-28-1 (65-70)), the recovery for the surrogate 1,2-Dichloroethane-d4 was above the upper control limit. The remaining surrogates were all within control limits.

In the SW-846 8260B analysis, the response for the internal standard, 1,4-Dichlorobenzene-d4 was outside the acceptance range for sample 20806072202 (OMS-28-1 (5-10)).

### **METALS**

In the SW-846 6010B analysis for prep batch 375159, the MS and/or MSD recoveries were outside the control limits for Arsenic, Cadmium, Chromium, Lead and Selenium. The LCS recovery was within control limits. This indicates the analysis is in control and the sample is affected by matrix interference. A post-digestion spike was performed on the QC sample for this batch with recoveries of 70% for Arsenic, 67% for Cadmium, 70% for Chromium, 68% for Lead and 77% for Selenium. The MS recovery is not applicable for Barium because the sample concentration is greater than four times the spike concentration. The Sample/Duplicate RPD for Selenium is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit. Barium, Chromium and Lead are flagged as estimated due to the fact that the percent difference between the original sample result and the serial dilution result is greater than 10. A chemical or physical interference is suspected.

# Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

## Common Abbreviations Utilized in this Report

|              |  |
|--------------|--|
| <b>ND</b>    | Indicates the result was Not Detected at the specified RDL |
| <b>DO</b>    | Indicates the result was Diluted Out                       |
| <b>MI</b>    | Indicates the result was subject to Matrix Interference    |
| <b>TNTC</b>  | Indicates the result was Too Numerous To Count             |
| <b>SUBC</b>  | Indicates the analysis was Sub-Contracted                  |
| <b>FLD</b>   | Indicates the analysis was performed in the Field          |
| <b>PQL</b>   | Practical Quantitation Limit                               |
| <b>MDL</b>   | Method Detection Limit                                     |
| <b>RDL</b>   | Reporting Detection Limit                                  |
| <b>00:00</b> | Reported as a time equivalent to 12:00 AM                  |

## Reporting Flags Utilized in this Report

|          |  |
|----------|--|
| <b>J</b> | Indicates an estimated value   |
| <b>U</b> | Indicates the compound was analyzed for but not detected                     |
| <b>B</b> | (ORGANICS) Indicates the analyte was detected in the associated Method Blank |
| <b>B</b> | (INORGANICS) Indicates the result is between the RDL and MDL                 |

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with [ISO Guide 25](#) and [NELAC](#), this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

---

CURTIS EKKER  
DATA VALIDATION MANAGER  
GCAL REPORT 208060722

THIS REPORT CONTAINS \_\_\_\_\_ PAGES.



## ANALYTICAL REPORT

Job Number: 700-28354-1

Job Description: Aerostar Environmental - OMS-28

For:

Aerostar Environmental Services, Inc.  
803 Government Street  
Suite A  
Mobile, AL 36602  
Attention: Marshall Eschete



---

Charles Newton  
Project Manager I  
charles.newton@testamericainc.com  
04/10/2008

## METHOD SUMMARY

Client: Aerostar Environmental Services, Inc.

Job Number: 700-28354-1

| <b>Description</b>                  | <b>Lab Location</b> | <b>Method</b> | <b>Preparation Method</b> |
|-------------------------------------|---------------------|---------------|---------------------------|
| <b>Matrix</b> <b>Solid</b>          |                     |               |                           |
| Volatile Organic Compounds by GC/MS | TAL MOB             | SW846 8260B   |                           |
| Purge-and-Trap                      | TAL MOB             |               | SW846 5030B               |

### Lab References:

TAL MOB = TestAmerica Mobile

### Method References:

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

## METHOD / ANALYST SUMMARY

Client: Aerostar Environmental Services, Inc.

Job Number: 700-28354-1

| <b>Method</b>       | <b>Analyst</b>   | <b>Analyst ID</b> |
|---------------------|------------------|-------------------|
| SW846 8260B         | McDonald, Erin E | EEM               |
| EPA PercentMoisture | Phan, Julia D    | JDP               |

## SAMPLE SUMMARY

Client: Aerostar Environmental Services, Inc.

Job Number: 700-28354-1

| <b>Lab Sample ID</b> | <b>Client Sample ID</b> | <b>Client Matrix</b> | <b>Date/Time<br/>Sampled</b> | <b>Date/Time<br/>Received</b> |
|----------------------|-------------------------|----------------------|------------------------------|-------------------------------|
| 700-28354-1          | OMS-28-2 (0-5)          | Solid                | 03/27/2008 0845              | 03/28/2008 1453               |
| 700-28354-2          | OMS-28-2 (5-10)         | Solid                | 03/27/2008 0850              | 03/28/2008 1453               |
| 700-28354-3          | OMS-28-2 (15-20)        | Solid                | 03/27/2008 0855              | 03/28/2008 1453               |

# **SAMPLE RESULTS**

Analytical Data

Client: Aerostar Environmental Services, Inc.

Job Number: 700-28354-1

Client Sample ID: OMS-28-2 (0-5)

Lab Sample ID: 700-28354-1

Date Sampled: 03/27/2008 0845

Client Matrix: Solid

% Moisture: 13.9

Date Received: 03/28/2008 1453

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 700-50028

Instrument ID: VMG5973

Preparation: 5030B

Lab File ID: G040418.D

Dilution: 1.0

Initial Weight/Volume: 5.90 g

Date Analyzed: 04/04/2008 2158

Final Weight/Volume: 5 mL

Date Prepared: 04/04/2008 2158

| Analyte                     | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | RL  |
|-----------------------------|--------------------|----------------|-----------|-----|
| 1,1,1-Trichloroethane       |                    | <4.9           |           | 4.9 |
| 1,1,2,2-Tetrachloroethane   |                    | <4.9           |           | 4.9 |
| 1,1,2-Trichloroethane       |                    | <4.9           |           | 4.9 |
| 1,1-Dichloroethane          |                    | <4.9           |           | 4.9 |
| 1,1-Dichloroethene          |                    | <4.9           |           | 4.9 |
| 1,2-Dichlorobenzene         |                    | <4.9           |           | 4.9 |
| 1,2-Dichloroethane          |                    | <4.9           |           | 4.9 |
| 1,2-Dichloropropane         |                    | <4.9           |           | 4.9 |
| 1,3-Dichlorobenzene         |                    | <4.9           |           | 4.9 |
| 1,4-Dichlorobenzene         |                    | <4.9           |           | 4.9 |
| 2-Butanone (MEK)            |                    | <25            |           | 25  |
| 2-Hexanone                  |                    | <25            |           | 25  |
| 4-Methyl-2-pentanone (MIBK) |                    | <25            |           | 25  |
| Acetone                     |                    | <49            |           | 49  |
| Benzene                     |                    | <4.9           |           | 4.9 |
| Bromoform                   |                    | <4.9           |           | 4.9 |
| Bromomethane                |                    | <9.8           |           | 9.8 |
| Carbon disulfide            |                    | <4.9           |           | 4.9 |
| Carbon tetrachloride        |                    | <4.9           |           | 4.9 |
| Chlorobenzene               |                    | <4.9           |           | 4.9 |
| Chlorodibromomethane        |                    | <4.9           |           | 4.9 |
| Chloroethane                |                    | <9.8           |           | 9.8 |
| Chloroform                  |                    | <4.9           |           | 4.9 |
| Chloromethane               |                    | <9.8           |           | 9.8 |
| cis-1,2-Dichloroethene      |                    | <4.9           |           | 4.9 |
| cis-1,3-Dichloropropene     |                    | <4.9           |           | 4.9 |
| Dichlorobromomethane        |                    | <4.9           |           | 4.9 |
| Ethylbenzene                |                    | <4.9           |           | 4.9 |
| Methylene Chloride          |                    | <4.9           |           | 4.9 |
| m-Xylene & p-Xylene         |                    | <9.8           |           | 9.8 |
| o-Xylene                    |                    | <4.9           |           | 4.9 |
| Styrene                     |                    | <4.9           |           | 4.9 |
| Tetrachloroethene           |                    | <4.9           |           | 4.9 |
| Toluene                     |                    | <4.9           |           | 4.9 |
| trans-1,2-Dichloroethene    |                    | <4.9           |           | 4.9 |
| trans-1,3-Dichloropropene   |                    | <4.9           |           | 4.9 |
| Trichloroethene             |                    | <4.9           |           | 4.9 |
| Vinyl chloride              |                    | <9.8           |           | 9.8 |
| Xylenes, Total              |                    | <9.8           |           | 9.8 |

| Surrogate            | %Rec | Acceptance Limits |
|----------------------|------|-------------------|
| 4-Bromofluorobenzene | 83   | 55 - 131          |
| Dibromofluoromethane | 73   | 59 - 132          |
| Toluene-d8 (Surr)    | 82   | 61 - 131          |

## Analytical Data

Client: Aerostar Environmental Services, Inc.

Job Number: 700-28354-1

**Client Sample ID:** OMS-28-2 (5-10)

Lab Sample ID: 700-28354-2

Date Sampled: 03/27/2008 0850

Client Matrix: Solid

% Moisture: 20.4

Date Received: 03/28/2008 1453

### 8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 700-50028

Instrument ID: VMG5973

Preparation: 5030B

Lab File ID: G040419.D

Dilution: 1.0

Initial Weight/Volume: 5.85 g

Date Analyzed: 04/04/2008 2229

Final Weight/Volume: 5 mL

Date Prepared: 04/04/2008 2229

| Analyte                     | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | RL  |
|-----------------------------|--------------------|----------------|-----------|-----|
| 1,1,1-Trichloroethane       |                    | <5.4           |           | 5.4 |
| 1,1,2,2-Tetrachloroethane   |                    | <5.4           |           | 5.4 |
| 1,1,2-Trichloroethane       |                    | <5.4           |           | 5.4 |
| 1,1-Dichloroethane          |                    | <5.4           |           | 5.4 |
| 1,1-Dichloroethene          |                    | <5.4           |           | 5.4 |
| 1,2-Dichlorobenzene         |                    | <5.4           |           | 5.4 |
| 1,2-Dichloroethane          |                    | <5.4           |           | 5.4 |
| 1,2-Dichloropropane         |                    | <5.4           |           | 5.4 |
| 1,3-Dichlorobenzene         |                    | <5.4           |           | 5.4 |
| 1,4-Dichlorobenzene         |                    | <5.4           |           | 5.4 |
| 2-Butanone (MEK)            |                    | <27            |           | 27  |
| 2-Hexanone                  |                    | <27            |           | 27  |
| 4-Methyl-2-pentanone (MIBK) |                    | <27            |           | 27  |
| Acetone                     |                    | <54            |           | 54  |
| Benzene                     |                    | <5.4           |           | 5.4 |
| Bromoform                   |                    | <5.4           |           | 5.4 |
| Bromomethane                |                    | <11            |           | 11  |
| Carbon disulfide            |                    | <5.4           |           | 5.4 |
| Carbon tetrachloride        |                    | <5.4           |           | 5.4 |
| Chlorobenzene               |                    | <5.4           |           | 5.4 |
| Chlorodibromomethane        |                    | <5.4           |           | 5.4 |
| Chloroethane                |                    | <11            |           | 11  |
| Chloroform                  |                    | <5.4           |           | 5.4 |
| Chloromethane               |                    | <11            |           | 11  |
| cis-1,2-Dichloroethene      |                    | <5.4           |           | 5.4 |
| cis-1,3-Dichloropropene     |                    | <5.4           |           | 5.4 |
| Dichlorobromomethane        |                    | <5.4           |           | 5.4 |
| Ethylbenzene                |                    | <5.4           |           | 5.4 |
| Methylene Chloride          |                    | <5.4           |           | 5.4 |
| m-Xylene & p-Xylene         |                    | <11            |           | 11  |
| o-Xylene                    |                    | <5.4           |           | 5.4 |
| Styrene                     |                    | <5.4           |           | 5.4 |
| Tetrachloroethene           |                    | <5.4           |           | 5.4 |
| Toluene                     |                    | <5.4           |           | 5.4 |
| trans-1,2-Dichloroethene    |                    | <5.4           |           | 5.4 |
| trans-1,3-Dichloropropene   |                    | <5.4           |           | 5.4 |
| Trichloroethene             |                    | <5.4           |           | 5.4 |
| Vinyl chloride              |                    | <11            |           | 11  |
| Xylenes, Total              |                    | <11            |           | 11  |

| Surrogate            | %Rec | Acceptance Limits |
|----------------------|------|-------------------|
| 4-Bromofluorobenzene | 98   | 55 - 131          |
| Dibromofluoromethane | 85   | 59 - 132          |
| Toluene-d8 (Surr)    | 105  | 61 - 131          |

**Analytical Data**

Client: Aerostar Environmental Services, Inc.

Job Number: 700-28354-1

**Client Sample ID: OMS-28-2 (15-20)**

Lab Sample ID: 700-28354-3

Date Sampled: 03/27/2008 0855

Client Matrix: Solid

% Moisture: 18.7

Date Received: 03/28/2008 1453

**8260B Volatile Organic Compounds by GC/MS**

|                |                 |                           |                        |           |
|----------------|-----------------|---------------------------|------------------------|-----------|
| Method:        | 8260B           | Analysis Batch: 700-50028 | Instrument ID:         | VMG5973   |
| Preparation:   | 5030B           |                           | Lab File ID:           | G040420.D |
| Dilution:      | 1.0             |                           | Initial Weight/Volume: | 5.13 g    |
| Date Analyzed: | 04/04/2008 2301 |                           | Final Weight/Volume:   | 5 mL      |
| Date Prepared: | 04/04/2008 2301 |                           |                        |           |

| Analyte                     | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | RL  |
|-----------------------------|--------------------|----------------|-----------|-----|
| 1,1,1-Trichloroethane       |                    | <6.0           |           | 6.0 |
| 1,1,1,2-Tetrachloroethane   |                    | <6.0           |           | 6.0 |
| 1,1,2-Trichloroethane       |                    | <6.0           |           | 6.0 |
| 1,1-Dichloroethane          |                    | <6.0           |           | 6.0 |
| 1,1-Dichloroethene          |                    | <6.0           |           | 6.0 |
| 1,2-Dichlorobenzene         |                    | <6.0           |           | 6.0 |
| 1,2-Dichloroethane          |                    | <6.0           |           | 6.0 |
| 1,2-Dichloropropane         |                    | <6.0           |           | 6.0 |
| 1,3-Dichlorobenzene         |                    | <6.0           |           | 6.0 |
| 1,4-Dichlorobenzene         |                    | <6.0           |           | 6.0 |
| 2-Butanone (MEK)            |                    | <30            |           | 30  |
| 2-Hexanone                  |                    | <30            |           | 30  |
| 4-Methyl-2-pentanone (MIBK) |                    | <30            |           | 30  |
| Acetone                     |                    | <60            |           | 60  |
| Benzene                     |                    | <6.0           |           | 6.0 |
| Bromoform                   |                    | <6.0           |           | 6.0 |
| Bromomethane                |                    | <12            |           | 12  |
| Carbon disulfide            |                    | <6.0           |           | 6.0 |
| Carbon tetrachloride        |                    | <6.0           |           | 6.0 |
| Chlorobenzene               |                    | <6.0           |           | 6.0 |
| Chlorodibromomethane        |                    | <6.0           |           | 6.0 |
| Chloroethane                |                    | <12            |           | 12  |
| Chloroform                  |                    | <6.0           |           | 6.0 |
| Chloromethane               |                    | <12            |           | 12  |
| cis-1,2-Dichloroethene      |                    | <6.0           |           | 6.0 |
| cis-1,3-Dichloropropene     |                    | <6.0           |           | 6.0 |
| Dichlorobromomethane        |                    | <6.0           |           | 6.0 |
| Ethylbenzene                |                    | <6.0           |           | 6.0 |
| Methylene Chloride          |                    | <6.0           |           | 6.0 |
| m-Xylene & p-Xylene         |                    | <12            |           | 12  |
| o-Xylene                    |                    | <6.0           |           | 6.0 |
| Styrene                     |                    | <6.0           |           | 6.0 |
| Tetrachloroethene           |                    | <6.0           |           | 6.0 |
| Toluene                     |                    | <6.0           |           | 6.0 |
| trans-1,2-Dichloroethene    |                    | <6.0           |           | 6.0 |
| trans-1,3-Dichloropropene   |                    | <6.0           |           | 6.0 |
| Trichloroethene             |                    | <6.0           |           | 6.0 |
| Vinyl chloride              |                    | <12            |           | 12  |
| Xylenes, Total              |                    | <12            |           | 12  |

| Surrogate            | %Rec | Acceptance Limits |
|----------------------|------|-------------------|
| 4-Bromofluorobenzene | 93   | 55 - 131          |
| Dibromofluoromethane | 86   | 59 - 132          |
| Toluene-d8 (Surr)    | 88   | 61 - 131          |

# Analytical Data

Client: Aerostar Environmental Services, Inc.

Job Number: 700-28354-1

## General Chemistry

### Client Sample ID: OMS-28-2 (0-5)

Lab Sample ID: 700-28354-1

Date Sampled: 03/27/2008 0845

Client Matrix: Solid

Date Received: 03/28/2008 1453

| Analyte          | Result                | Qual          | Units           | RL   | Dil | Method          |
|------------------|-----------------------|---------------|-----------------|------|-----|-----------------|
| Percent Moisture | 14                    |               | %               | 0.10 | 1.0 | PercentMoisture |
|                  | Anly Batch: 700-49729 | Date Analyzed | 03/31/2008 1120 |      |     |                 |
| Percent Solids   | 86                    |               | %               | 0.10 | 1.0 | PercentMoisture |
|                  | Anly Batch: 700-49729 | Date Analyzed | 03/31/2008 1120 |      |     |                 |

### Client Sample ID: OMS-28-2 (5-10)

Lab Sample ID: 700-28354-2

Date Sampled: 03/27/2008 0850

Client Matrix: Solid

Date Received: 03/28/2008 1453

| Analyte          | Result                | Qual          | Units           | RL   | Dil | Method          |
|------------------|-----------------------|---------------|-----------------|------|-----|-----------------|
| Percent Moisture | 20                    |               | %               | 0.10 | 1.0 | PercentMoisture |
|                  | Anly Batch: 700-49729 | Date Analyzed | 03/31/2008 1120 |      |     |                 |
| Percent Solids   | 80                    |               | %               | 0.10 | 1.0 | PercentMoisture |
|                  | Anly Batch: 700-49729 | Date Analyzed | 03/31/2008 1120 |      |     |                 |

### Client Sample ID: OMS-28-2 (15-20)

Lab Sample ID: 700-28354-3

Date Sampled: 03/27/2008 0855

Client Matrix: Solid

Date Received: 03/28/2008 1453

| Analyte          | Result                | Qual          | Units           | RL   | Dil | Method          |
|------------------|-----------------------|---------------|-----------------|------|-----|-----------------|
| Percent Moisture | 19                    |               | %               | 0.10 | 1.0 | PercentMoisture |
|                  | Anly Batch: 700-49729 | Date Analyzed | 03/31/2008 1120 |      |     |                 |
| Percent Solids   | 81                    |               | %               | 0.10 | 1.0 | PercentMoisture |
|                  | Anly Batch: 700-49729 | Date Analyzed | 03/31/2008 1120 |      |     |                 |

# QUALITY CONTROL RESULTS

## Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 700-28354-1

**Method Blank - Batch: 700-50028**

**Method: 8260B**  
**Preparation: 5030B**

Lab Sample ID: MB 700-50028/5  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 04/04/2008 2055  
Date Prepared: 04/04/2008 2055

Analysis Batch: 700-50028  
Prep Batch: N/A  
Units: ug/Kg

Instrument ID: VMG5973  
Lab File ID: G040416.D  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 5 mL

| Analyte                     | Result | Qual | RL  |
|-----------------------------|--------|------|-----|
| 1,1,1-Trichloroethane       | <5.0   |      | 5.0 |
| 1,1,2,2-Tetrachloroethane   | <5.0   |      | 5.0 |
| 1,1,2-Trichloroethane       | <5.0   |      | 5.0 |
| 1,1-Dichloroethane          | <5.0   |      | 5.0 |
| 1,1-Dichloroethene          | <5.0   |      | 5.0 |
| 1,2-Dichlorobenzene         | <5.0   |      | 5.0 |
| 1,2-Dichloroethane          | <5.0   |      | 5.0 |
| 1,2-Dichloropropane         | <5.0   |      | 5.0 |
| 1,3-Dichlorobenzene         | <5.0   |      | 5.0 |
| 1,4-Dichlorobenzene         | <5.0   |      | 5.0 |
| 2-Butanone (MEK)            | <25    |      | 25  |
| 2-Hexanone                  | <25    |      | 25  |
| 4-Methyl-2-pentanone (MIBK) | <25    |      | 25  |
| Acetone                     | <50    |      | 50  |
| Benzene                     | <5.0   |      | 5.0 |
| Bromoform                   | <5.0   |      | 5.0 |
| Bromomethane                | <10    |      | 10  |
| Carbon disulfide            | <5.0   |      | 5.0 |
| Carbon tetrachloride        | <5.0   |      | 5.0 |
| Chlorobenzene               | <5.0   |      | 5.0 |
| Chlorodibromomethane        | <5.0   |      | 5.0 |
| Chloroethane                | <10    |      | 10  |
| Chloroform                  | <5.0   |      | 5.0 |
| Chloromethane               | <10    |      | 10  |
| cis-1,2-Dichloroethene      | <5.0   |      | 5.0 |
| cis-1,3-Dichloropropene     | <5.0   |      | 5.0 |
| Dichlorobromomethane        | <5.0   |      | 5.0 |
| Ethylbenzene                | <5.0   |      | 5.0 |
| Methylene Chloride          | <5.0   |      | 5.0 |
| m-Xylene & p-Xylene         | <10    |      | 10  |
| o-Xylene                    | <5.0   |      | 5.0 |
| Styrene                     | <5.0   |      | 5.0 |
| Tetrachloroethene           | <5.0   |      | 5.0 |
| Toluene                     | <5.0   |      | 5.0 |
| trans-1,2-Dichloroethene    | <5.0   |      | 5.0 |
| trans-1,3-Dichloropropene   | <5.0   |      | 5.0 |
| Trichloroethene             | <5.0   |      | 5.0 |
| Vinyl chloride              | <10    |      | 10  |
| Xylenes, Total              | <10    |      | 10  |

|           |       |                   |
|-----------|-------|-------------------|
| Surrogate | % Rec | Acceptance Limits |
|-----------|-------|-------------------|

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

## Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 700-28354-1

| Surrogate            | % Rec | Acceptance Limits |
|----------------------|-------|-------------------|
| 4-Bromofluorobenzene | 86    | 55 - 131          |
| Dibromofluoromethane | 76    | 59 - 132          |
| Toluene-d8 (Surr)    | 84    | 61 - 131          |

**Lab Control Spike/**

**Lab Control Spike Duplicate Recovery Report - Batch: 700-50028**

**Method: 8260B**

**Preparation: 5030B**

|                                    |                           |                            |
|------------------------------------|---------------------------|----------------------------|
| LCS Lab Sample ID: LCS 700-50028/3 | Analysis Batch: 700-50028 | Instrument ID: VMG5973     |
| Client Matrix: Solid               | Prep Batch: N/A           | Lab File ID: G040414.D     |
| Dilution: 1.0                      | Units: ug/Kg              | Initial Weight/Volume: 5 g |
| Date Analyzed: 04/04/2008 1952     |                           | Final Weight/Volume: 5 mL  |
| Date Prepared: 04/04/2008 1952     |                           |                            |

|                                      |                           |                            |
|--------------------------------------|---------------------------|----------------------------|
| LCSD Lab Sample ID: LCSD 700-50028/4 | Analysis Batch: 700-50028 | Instrument ID: VMG5973     |
| Client Matrix: Solid                 | Prep Batch: N/A           | Lab File ID: G040415.D     |
| Dilution: 1.0                        | Units: ug/Kg              | Initial Weight/Volume: 5 g |
| Date Analyzed: 04/04/2008 2024       |                           | Final Weight/Volume: 5 mL  |
| Date Prepared: 04/04/2008 2024       |                           |                            |

| Analyte            | <u>% Rec.</u> |      | Limit    | RPD | RPD Limit | LCS Qual | LCSD Qual |
|--------------------|---------------|------|----------|-----|-----------|----------|-----------|
|                    | LCS           | LCSD |          |     |           |          |           |
| 1,1-Dichloroethene | 107           | 95   | 48 - 154 | 12  | 46        |          |           |
| Benzene            | 99            | 85   | 69 - 137 | 15  | 42        |          |           |
| Chlorobenzene      | 94            | 88   | 70 - 138 | 6   | 34        |          |           |
| Toluene            | 95            | 85   | 66 - 141 | 12  | 32        |          |           |
| Trichloroethene    | 95            | 83   | 68 - 138 | 13  | 34        |          |           |

| Surrogate            | LCS % Rec | LCSD % Rec | Acceptance Limits |
|----------------------|-----------|------------|-------------------|
| 4-Bromofluorobenzene | 92        | 88         | 55 - 131          |
| Dibromofluoromethane | 92        | 83         | 59 - 132          |
| Toluene-d8 (Surr)    | 93        | 83         | 61 - 131          |

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



**To:** Aerostar

**Job ID:** BROOKLEY FIELD OMS-28

**Attn:** Marshall Eschette

**GCAL Report** 208040120



**Report Date** 04/10/2008

ANALYTICAL RESULTS BY

**GULF COAST ANALYTICAL LABORATORIES, INC.**

**Deliver To** Aerostar  
803 Govt. Street  
Suite A  
Mobile, AL 36602

**Attn** Marshall Eschette

# Report Sample Summary

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20804012001 | OMS-28-2 (0-5)   | Solid  | 03/27/2008 08:45  | 04/01/2008 11:41  |
| 20804012002 | OMS-28-2 (5-10)  | Solid  | 03/27/2008 08:50  | 04/01/2008 11:41  |
| 20804012003 | OMS-28-2 (15-20) | Solid  | 03/27/2008 08:55  | 04/01/2008 11:41  |
| 20804012004 | OMS-28-5 (0-5)   | Solid  | 03/27/2008 10:45  | 04/01/2008 11:41  |
| 20804012005 | OMS-28-5 (5-10)  | Solid  | 03/27/2008 10:50  | 04/01/2008 11:41  |
| 20804012006 | OMS-28-5 (15-20) | Solid  | 03/27/2008 11:00  | 04/01/2008 11:41  |
| 20804012007 | OMS-28-4 (0-5)   | Solid  | 03/27/2008 13:20  | 04/01/2008 11:41  |
| 20804012008 | OMS-28-4 (5-10)  | Solid  | 03/27/2008 13:30  | 04/01/2008 11:41  |
| 20804012009 | OMS-28-4 (10-15) | Solid  | 03/27/2008 13:40  | 04/01/2008 11:41  |
| 20804012010 | OMS-28-4 (70-75) | Solid  | 03/27/2008 14:30  | 04/01/2008 11:41  |
| 20804012011 | DUP 1            | Solid  | 03/27/2008 08:45  | 04/01/2008 11:41  |
| 20804012012 | DUP 2            | Solid  | 03/27/2008 10:45  | 04/01/2008 11:41  |
| 20804012013 | DUP 3            | Solid  | 03/27/2008 13:20  | 04/01/2008 11:41  |
| 20804012101 | OMS-28-3 (0-5)   | Solid  | 03/26/2008 13:20  | 04/01/2008 11:41  |
| 20804012102 | OMS-28-3 (5-10)  | Solid  | 03/26/2008 13:25  | 04/01/2008 11:41  |
| 20804012103 | OMS-28-3 (10-15) | Solid  | 03/26/2008 13:30  | 04/01/2008 11:41  |
| 20804012104 | OMS-28-7 (0-5)   | Solid  | 03/26/2008 13:45  | 04/01/2008 11:41  |
| 20804012105 | OMS-28-7 (5-10)  | Solid  | 03/26/2008 13:50  | 04/01/2008 11:41  |
| 20804012106 | OMS-28-7 (15-20) | Solid  | 03/26/2008 16:00  | 04/01/2008 11:41  |
| 20804020101 | OMS-28-6 (0-5)   | Solid  | 03/28/2008 11:00  | 04/02/2008 09:12  |
| 20804020102 | OMS-28-6 (5-10)  | Solid  | 03/28/2008 11:10  | 04/02/2008 09:12  |
| 20804020103 | OMS-28-6 (10-15) | Solid  | 03/28/2008 11:15  | 04/02/2008 09:12  |
| 20804020104 | OMS-28-6 (70-75) | Solid  | 03/28/2008 12:40  | 04/02/2008 09:12  |
| 20804020105 | IDW              | Solid  | 03/28/2008 17:00  | 04/02/2008 09:12  |
| 20804020106 | IDW (TCLP)       | Solid  | 03/28/2008 17:00  | 04/02/2008 09:12  |
| 20804020107 | RINSATE #1       | Water  | 03/28/2008 16:40  | 04/02/2008 06:32  |
| 20804020108 | RINSATE #2       | Water  | 03/28/2008 16:45  | 04/02/2008 06:32  |
| 20804020109 | RINSATE #3       | Water  | 03/28/2008 16:50  | 04/02/2008 06:32  |

# Summary of Compounds Detected

| GCAL ID     | Client ID      | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|----------------|--------|-------------------|-------------------|
| 20804012001 | OMS-28-2 (0-5) | Solid  | 03/27/2008 08:45  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| CAS#    | Parameter | Result | RDL   | MDL      | Units |
|---------|-----------|--------|-------|----------|-------|
| 67-64-1 | Acetone   | 0.013J | 0.043 | 0.000648 | mg/kg |

| GCAL ID     | Client ID       | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------------|--------|-------------------|-------------------|
| 20804012002 | OMS-28-2 (5-10) | Solid  | 03/27/2008 08:50  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| CAS#    | Parameter | Result | RDL   | MDL      | Units |
|---------|-----------|--------|-------|----------|-------|
| 67-64-1 | Acetone   | 0.021J | 0.053 | 0.000798 | mg/kg |

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20804012003 | OMS-28-2 (15-20) | Solid  | 03/27/2008 08:55  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| CAS#    | Parameter | Result   | RDL   | MDL      | Units |
|---------|-----------|----------|-------|----------|-------|
| 67-64-1 | Acetone   | 0.00616J | 0.045 | 0.000678 | mg/kg |

| GCAL ID     | Client ID      | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|----------------|--------|-------------------|-------------------|
| 20804012004 | OMS-28-5 (0-5) | Solid  | 03/27/2008 10:45  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| CAS#    | Parameter | Result | RDL   | MDL      | Units |
|---------|-----------|--------|-------|----------|-------|
| 67-64-1 | Acetone   | 0.013J | 0.047 | 0.000699 | mg/kg |

| GCAL ID     | Client ID       | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------------|--------|-------------------|-------------------|
| 20804012005 | OMS-28-5 (5-10) | Solid  | 03/27/2008 10:50  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| CAS#    | Parameter | Result | RDL   | MDL      | Units |
|---------|-----------|--------|-------|----------|-------|
| 67-64-1 | Acetone   | 0.015J | 0.044 | 0.000654 | mg/kg |

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20804012006 | OMS-28-5 (15-20) | Solid  | 03/27/2008 11:00  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| CAS#     | Parameter              | Result   | RDL     | MDL      | Units |
|----------|------------------------|----------|---------|----------|-------|
| 67-64-1  | Acetone                | 0.031J   | 0.044   | 0.000661 | mg/kg |
| 79-01-6  | Trichloroethene        | 0.00783J | 0.00883 | 0.000313 | mg/kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.00643J | 0.00883 | 0.000223 | mg/kg |

## Summary of Compounds Detected (con't)

| GCAL ID     | Client ID      | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|----------------|--------|-------------------|-------------------|
| 20804012007 | OMS-28-4 (0-5) | Solid  | 03/27/2008 13:20  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| CAS#    | Parameter | Result | RDL   | MDL      | Units |
|---------|-----------|--------|-------|----------|-------|
| 67-64-1 | Acetone   | 0.025J | 0.033 | 0.000498 | mg/kg |

| GCAL ID     | Client ID       | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------------|--------|-------------------|-------------------|
| 20804012008 | OMS-28-4 (5-10) | Solid  | 03/27/2008 13:30  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| CAS#    | Parameter | Result | RDL   | MDL      | Units |
|---------|-----------|--------|-------|----------|-------|
| 67-64-1 | Acetone   | 0.012J | 0.037 | 0.000555 | mg/kg |

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20804012009 | OMS-28-4 (10-15) | Solid  | 03/27/2008 13:40  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| CAS#     | Parameter              | Result   | RDL     | MDL      | Units |
|----------|------------------------|----------|---------|----------|-------|
| 67-64-1  | Acetone                | 0.028J   | 0.047   | 0.000707 | mg/kg |
| 79-01-6  | Trichloroethene        | 0.027    | 0.00945 | 0.000335 | mg/kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.00546J | 0.00945 | 0.000238 | mg/kg |

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20804012010 | OMS-28-4 (70-75) | Solid  | 03/27/2008 14:30  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| CAS#    | Parameter | Result | RDL   | MDL      | Units |
|---------|-----------|--------|-------|----------|-------|
| 67-64-1 | Acetone   | 0.010J | 0.031 | 0.000461 | mg/kg |

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20804012011 | DUP 1     | Solid  | 03/27/2008 08:45  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| CAS#    | Parameter | Result   | RDL   | MDL      | Units |
|---------|-----------|----------|-------|----------|-------|
| 67-64-1 | Acetone   | 0.00932J | 0.036 | 0.000541 | mg/kg |

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20804012012 | DUP 2     | Solid  | 03/27/2008 10:45  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| CAS#    | Parameter | Result | RDL   | MDL      | Units |
|---------|-----------|--------|-------|----------|-------|
| 67-64-1 | Acetone   | 0.012J | 0.039 | 0.000588 | mg/kg |

## Summary of Compounds Detected (con't)

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20804012013 | DUP 3     | Solid  | 03/27/2008 13:20  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| CAS#    | Parameter | Result   | RDL   | MDL      | Units |
|---------|-----------|----------|-------|----------|-------|
| 67-64-1 | Acetone   | 0.00404J | 0.045 | 0.000670 | mg/kg |

| GCAL ID     | Client ID      | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|----------------|--------|-------------------|-------------------|
| 20804012101 | OMS-28-3 (0-5) | Solid  | 03/26/2008 13:20  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| CAS#    | Parameter   | Result | RDL     | MDL      | Units |
|---------|-------------|--------|---------|----------|-------|
| 67-64-1 | Acetone     | 0.013J | 0.033   | 0.000493 | mg/kg |
| 91-20-3 | Naphthalene | 0.017  | 0.00659 | 0.000495 | mg/kg |

| GCAL ID     | Client ID       | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------------|--------|-------------------|-------------------|
| 20804012102 | OMS-28-3 (5-10) | Solid  | 03/26/2008 13:25  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| CAS#    | Parameter        | Result | RDL   | MDL      | Units |
|---------|------------------|--------|-------|----------|-------|
| 67-64-1 | Acetone          | 0.094  | 0.055 | 0.000827 | mg/kg |
| 75-15-0 | Carbon disulfide | 0.012  | 0.011 | 0.000241 | mg/kg |

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20804012103 | OMS-28-3 (10-15) | Solid  | 03/26/2008 13:30  | 04/01/2008 11:41  |

SW-846 8260B

| CAS#    | Parameter       | Result | RDL   | MDL     | Units |
|---------|-----------------|--------|-------|---------|-------|
| 79-01-6 | Trichloroethene | 0.211J | 0.271 | 0.00960 | mg/kg |

SW-846 8260B

| CAS#     | Parameter              | Result   | RDL     | MDL      | Units |
|----------|------------------------|----------|---------|----------|-------|
| 67-64-1  | Acetone                | 0.062    | 0.048   | 0.000723 | mg/kg |
| 75-15-0  | Carbon disulfide       | 0.033    | 0.00967 | 0.000211 | mg/kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.00912J | 0.00967 | 0.000244 | mg/kg |

| GCAL ID     | Client ID      | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|----------------|--------|-------------------|-------------------|
| 20804012104 | OMS-28-7 (0-5) | Solid  | 03/26/2008 13:45  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| CAS#    | Parameter | Result | RDL   | MDL      | Units |
|---------|-----------|--------|-------|----------|-------|
| 67-64-1 | Acetone   | 0.029J | 0.036 | 0.000532 | mg/kg |

## Summary of Compounds Detected (con't)

| GCAL ID     | Client ID       | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------------|--------|-------------------|-------------------|
| 20804012105 | OMS-28-7 (5-10) | Solid  | 03/26/2008 13:50  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| CAS#    | Parameter | Result | RDL   | MDL      | Units |
|---------|-----------|--------|-------|----------|-------|
| 67-64-1 | Acetone   | 0.012J | 0.040 | 0.000605 | mg/kg |

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20804012106 | OMS-28-7 (15-20) | Solid  | 03/26/2008 16:00  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| CAS#    | Parameter | Result   | RDL   | MDL      | Units |
|---------|-----------|----------|-------|----------|-------|
| 67-64-1 | Acetone   | 0.00722J | 0.036 | 0.000540 | mg/kg |

| GCAL ID     | Client ID      | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|----------------|--------|-------------------|-------------------|
| 20804020101 | OMS-28-6 (0-5) | Solid  | 03/28/2008 11:00  | 04/02/2008 09:12  |

SW-846 8260B DOD Solid

| CAS#    | Parameter | Result   | RDL   | MDL      | Units |
|---------|-----------|----------|-------|----------|-------|
| 67-64-1 | Acetone   | 0.00625J | 0.037 | 0.000547 | mg/kg |

| GCAL ID     | Client ID       | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------------|--------|-------------------|-------------------|
| 20804020102 | OMS-28-6 (5-10) | Solid  | 03/28/2008 11:10  | 04/02/2008 09:12  |

SW-846 8260B DOD Solid

| CAS#    | Parameter       | Result | RDL     | MDL      | Units |
|---------|-----------------|--------|---------|----------|-------|
| 79-01-6 | Trichloroethene | 0.076  | 0.00577 | 0.000204 | mg/kg |

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20804020103 | OMS-28-6 (10-15) | Solid  | 03/28/2008 11:15  | 04/02/2008 09:12  |

SW-846 8260B DOD Solid

| CAS#    | Parameter       | Result | RDL   | MDL     | Units |
|---------|-----------------|--------|-------|---------|-------|
| 79-01-6 | Trichloroethene | 0.107J | 0.255 | 0.00904 | mg/kg |

SW-846 8260B DOD Solid

| CAS#     | Parameter              | Result   | RDL     | MDL      | Units |
|----------|------------------------|----------|---------|----------|-------|
| 67-64-1  | Acetone                | 0.037    | 0.034   | 0.000509 | mg/kg |
| 75-15-0  | Carbon disulfide       | 0.00342J | 0.00681 | 0.000148 | mg/kg |
| 79-20-9  | Methyl Acetate         | 0.022    | 0.00681 | 0.00208  | mg/kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.00709  | 0.00681 | 0.000172 | mg/kg |

# Summary of Compounds Detected (con't)

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20804020104 | OMS-28-6 (70-75) | Solid  | 03/28/2008 12:40  | 04/02/2008 09:12  |

SW-846 8260B DOD Solid

| CAS#    | Parameter | Result   | RDL   | MDL      | Units |
|---------|-----------|----------|-------|----------|-------|
| 67-64-1 | Acetone   | 0.00505J | 0.026 | 0.000382 | mg/kg |

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20804020105 | IDW       | Solid  | 03/28/2008 17:00  | 04/02/2008 09:12  |

SW-846 8260B DOD Solid

| CAS#    | Parameter | Result | RDL   | MDL      | Units |
|---------|-----------|--------|-------|----------|-------|
| 67-64-1 | Acetone   | 0.040J | 0.065 | 0.000974 | mg/kg |

| GCAL ID     | Client ID  | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------|--------|-------------------|-------------------|
| 20804020106 | IDW (TCLP) | Solid  | 03/28/2008 17:00  | 04/02/2008 09:12  |

SW-846 8260B TCLP

| CAS#    | Parameter | Result | RDL   | MDL     | Units |
|---------|-----------|--------|-------|---------|-------|
| 71-43-2 | Benzene   | 0.055J | 0.200 | 0.00900 | mg/L  |

| GCAL ID     | Client ID  | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------|--------|-------------------|-------------------|
| 20804020107 | RINSATE #1 | Water  | 03/28/2008 16:40  | 04/02/2008 06:32  |

SW-846 8260B DOD Water

| CAS#    | Parameter          | Result    | RDL   | MDL      | Units |
|---------|--------------------|-----------|-------|----------|-------|
| 75-09-2 | Methylene chloride | 0.000202J | 0.010 | 0.000104 | mg/L  |

| GCAL ID     | Client ID  | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------|--------|-------------------|-------------------|
| 20804020108 | RINSATE #2 | Water  | 03/28/2008 16:45  | 04/02/2008 06:32  |

SW-846 8260B DOD Water

| CAS#    | Parameter          | Result    | RDL   | MDL      | Units |
|---------|--------------------|-----------|-------|----------|-------|
| 75-09-2 | Methylene chloride | 0.000240J | 0.010 | 0.000104 | mg/L  |

| GCAL ID     | Client ID  | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------|--------|-------------------|-------------------|
| 20804020109 | RINSATE #3 | Water  | 03/28/2008 16:50  | 04/02/2008 06:32  |

SW-846 8260B DOD Water

| CAS#    | Parameter          | Result    | RDL   | MDL      | Units |
|---------|--------------------|-----------|-------|----------|-------|
| 75-09-2 | Methylene chloride | 0.000243J | 0.010 | 0.000104 | mg/L  |

| GCAL ID     | Client ID      | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|----------------|--------|-------------------|-------------------|
| 20804012001 | OMS-28-2 (0-5) | Solid  | 03/27/2008 08:45  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 04/06/2008 12:58 | JCK | 371626           |

| CAS#           | Parameter                      | Result        | RDL          | MDL             | Units        |
|----------------|--------------------------------|---------------|--------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000213U     | 0.00866      | 0.000213        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000312U     | 0.00866      | 0.000312        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000197U     | 0.00866      | 0.000197        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000275U     | 0.00866      | 0.000275        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000622U     | 0.00866      | 0.000622        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000566U     | 0.00866      | 0.000566        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.00150U      | 0.00866      | 0.00150         | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000260U     | 0.00866      | 0.000260        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000197U     | 0.00866      | 0.000197        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000197U     | 0.00866      | 0.000197        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000194U     | 0.00866      | 0.000194        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000409U     | 0.00866      | 0.000409        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000729U     | 0.00866      | 0.000729        | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000540U     | 0.00866      | 0.000540        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.00143U      | 0.00866      | 0.00143         | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000300U     | 0.00866      | 0.000300        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.013J</b> | <b>0.043</b> | <b>0.000648</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000180U     | 0.00866      | 0.000180        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000234U     | 0.00866      | 0.000234        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000293U     | 0.00866      | 0.000293        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00261U      | 0.00866      | 0.00261         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000189U     | 0.00866      | 0.000189        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000208U     | 0.00866      | 0.000208        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000286U     | 0.00866      | 0.000286        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.00105U      | 0.00866      | 0.00105         | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000244U     | 0.00866      | 0.000244        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.000803U     | 0.00866      | 0.000803        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00192U      | 0.00866      | 0.00192         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000156U     | 0.00866      | 0.000156        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000630U     | 0.00866      | 0.000630        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000199U     | 0.00866      | 0.000199        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000244U     | 0.00866      | 0.000244        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000358U     | 0.00866      | 0.000358        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000265U     | 0.00866      | 0.000265        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00265U      | 0.00866      | 0.00265         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000641U     | 0.00866      | 0.000641        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.000829U     | 0.017        | 0.000829        | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000651U     | 0.00866      | 0.000651        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000263U     | 0.00866      | 0.000263        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000332U     | 0.00866      | 0.000332        | mg/kg        |
| 108-88-3       | Toluene                        | 0.000952U     | 0.00866      | 0.000952        | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000306U     | 0.00866      | 0.000306        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000436U     | 0.00866      | 0.000436        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000326U     | 0.00866      | 0.000326        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000608U     | 0.00866      | 0.000608        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.000990U     | 0.017        | 0.000990        | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000218U     | 0.00866      | 0.000218        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.000128U     | 0.00866      | 0.000128        | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000284U     | 0.00866      | 0.000284        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804012001    | OMS-28-2 (0-5)   | Solid         | 03/27/2008 08:45         | 04/01/2008 11:41         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 12:58 | JCK       | 371626                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .073         | .075      | mg/kg | 102        | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .073         | .076      | mg/kg | 103        | 65 - 130   |
| 2037-26-5  | Toluene d8            | .073         | .081      | mg/kg | 110        | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .073         | .082      | mg/kg | 112        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID       | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------------|--------|-------------------|-------------------|
| 20804012002 | OMS-28-2 (5-10) | Solid  | 03/27/2008 08:50  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 04/06/2008 13:20 | JCK | 371626           |

| CAS#           | Parameter                      | Result        | RDL          | MDL             | Units        |
|----------------|--------------------------------|---------------|--------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000263U     | 0.011        | 0.000263        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000384U     | 0.011        | 0.000384        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000243U     | 0.011        | 0.000243        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000339U     | 0.011        | 0.000339        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000766U     | 0.011        | 0.000766        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000698U     | 0.011        | 0.000698        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.00185U      | 0.011        | 0.00185         | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000320U     | 0.011        | 0.000320        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000243U     | 0.011        | 0.000243        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000243U     | 0.011        | 0.000243        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000239U     | 0.011        | 0.000239        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000504U     | 0.011        | 0.000504        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000899U     | 0.011        | 0.000899        | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000666U     | 0.011        | 0.000666        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.00176U      | 0.011        | 0.00176         | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000369U     | 0.011        | 0.000369        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.021J</b> | <b>0.053</b> | <b>0.000798</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000222U     | 0.011        | 0.000222        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000288U     | 0.011        | 0.000288        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000361U     | 0.011        | 0.000361        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00321U      | 0.011        | 0.00321         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000233U     | 0.011        | 0.000233        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000256U     | 0.011        | 0.000256        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000352U     | 0.011        | 0.000352        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.00129U      | 0.011        | 0.00129         | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000301U     | 0.011        | 0.000301        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.000990U     | 0.011        | 0.000990        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00236U      | 0.011        | 0.00236         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000192U     | 0.011        | 0.000192        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000777U     | 0.011        | 0.000777        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000245U     | 0.011        | 0.000245        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000301U     | 0.011        | 0.000301        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000442U     | 0.011        | 0.000442        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000327U     | 0.011        | 0.000327        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00326U      | 0.011        | 0.00326         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000790U     | 0.011        | 0.000790        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.00102U      | 0.021        | 0.00102         | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000802U     | 0.011        | 0.000802        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000324U     | 0.011        | 0.000324        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000410U     | 0.011        | 0.000410        | mg/kg        |
| 108-88-3       | Toluene                        | 0.00117U      | 0.011        | 0.00117         | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000378U     | 0.011        | 0.000378        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000538U     | 0.011        | 0.000538        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000401U     | 0.011        | 0.000401        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000749U     | 0.011        | 0.000749        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.00122U      | 0.021        | 0.00122         | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000269U     | 0.011        | 0.000269        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.000158U     | 0.011        | 0.000158        | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000350U     | 0.011        | 0.000350        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804012002    | OMS-28-2 (5-10)  | Solid         | 03/27/2008 08:50         | 04/01/2008 11:41         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 13:20 | JCK       | 371626                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .089         | .09       | mg/kg | 101        | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .089         | .088      | mg/kg | 99         | 65 - 130   |
| 2037-26-5  | Toluene d8            | .089         | .096      | mg/kg | 107        | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .089         | .097      | mg/kg | 109        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20804012003 | OMS-28-2 (15-20) | Solid  | 03/27/2008 08:55  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 04/06/2008 13:43 | JCK | 371626           |

| CAS#           | Parameter                      | Result          | RDL          | MDL             | Units        |
|----------------|--------------------------------|-----------------|--------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000223U       | 0.00907      | 0.000223        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000326U       | 0.00907      | 0.000326        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000207U       | 0.00907      | 0.000207        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000288U       | 0.00907      | 0.000288        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000651U       | 0.00907      | 0.000651        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000593U       | 0.00907      | 0.000593        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.00157U        | 0.00907      | 0.00157         | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000272U       | 0.00907      | 0.000272        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000207U       | 0.00907      | 0.000207        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000207U       | 0.00907      | 0.000207        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000203U       | 0.00907      | 0.000203        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000428U       | 0.00907      | 0.000428        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000763U       | 0.00907      | 0.000763        | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000566U       | 0.00907      | 0.000566        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.00150U        | 0.00907      | 0.00150         | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000314U       | 0.00907      | 0.000314        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.00616J</b> | <b>0.045</b> | <b>0.000678</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000189U       | 0.00907      | 0.000189        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000245U       | 0.00907      | 0.000245        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000306U       | 0.00907      | 0.000306        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00273U        | 0.00907      | 0.00273         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000198U       | 0.00907      | 0.000198        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000218U       | 0.00907      | 0.000218        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000299U       | 0.00907      | 0.000299        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.00110U        | 0.00907      | 0.00110         | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000256U       | 0.00907      | 0.000256        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.000841U       | 0.00907      | 0.000841        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00201U        | 0.00907      | 0.00201         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000163U       | 0.00907      | 0.000163        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000660U       | 0.00907      | 0.000660        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000209U       | 0.00907      | 0.000209        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000256U       | 0.00907      | 0.000256        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000375U       | 0.00907      | 0.000375        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000277U       | 0.00907      | 0.000277        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00277U        | 0.00907      | 0.00277         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000671U       | 0.00907      | 0.000671        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.000869U       | 0.018        | 0.000869        | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000682U       | 0.00907      | 0.000682        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000276U       | 0.00907      | 0.000276        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000348U       | 0.00907      | 0.000348        | mg/kg        |
| 108-88-3       | Toluene                        | 0.000997U       | 0.00907      | 0.000997        | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000321U       | 0.00907      | 0.000321        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000457U       | 0.00907      | 0.000457        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000341U       | 0.00907      | 0.000341        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000636U       | 0.00907      | 0.000636        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.00104U        | 0.018        | 0.00104         | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000228U       | 0.00907      | 0.000228        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.000134U       | 0.00907      | 0.000134        | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000297U       | 0.00907      | 0.000297        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804012003    | OMS-28-2 (15-20) | Solid         | 03/27/2008 08:55         | 04/01/2008 11:41         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 13:43 | JCK       | 371626                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .075         | .075      | mg/kg | 100        | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .075         | .073      | mg/kg | 96         | 65 - 130   |
| 2037-26-5  | Toluene d8            | .075         | .076      | mg/kg | 101        | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .075         | .078      | mg/kg | 104        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID      | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|----------------|--------|-------------------|-------------------|
| 20804012004 | OMS-28-5 (0-5) | Solid  | 03/27/2008 10:45  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 04/06/2008 14:06 | JCK | 371626           |

| CAS#           | Parameter                      | Result        | RDL          | MDL             | Units        |
|----------------|--------------------------------|---------------|--------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000230U     | 0.00935      | 0.000230        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000337U     | 0.00935      | 0.000337        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000213U     | 0.00935      | 0.000213        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000297U     | 0.00935      | 0.000297        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000671U     | 0.00935      | 0.000671        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000612U     | 0.00935      | 0.000612        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.00162U      | 0.00935      | 0.00162         | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000281U     | 0.00935      | 0.000281        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000213U     | 0.00935      | 0.000213        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000213U     | 0.00935      | 0.000213        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000209U     | 0.00935      | 0.000209        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000441U     | 0.00935      | 0.000441        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000787U     | 0.00935      | 0.000787        | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000584U     | 0.00935      | 0.000584        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.00154U      | 0.00935      | 0.00154         | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000324U     | 0.00935      | 0.000324        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.013J</b> | <b>0.047</b> | <b>0.000699</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000195U     | 0.00935      | 0.000195        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000252U     | 0.00935      | 0.000252        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000316U     | 0.00935      | 0.000316        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00281U      | 0.00935      | 0.00281         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000204U     | 0.00935      | 0.000204        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000224U     | 0.00935      | 0.000224        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000309U     | 0.00935      | 0.000309        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.00113U      | 0.00935      | 0.00113         | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000264U     | 0.00935      | 0.000264        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.000868U     | 0.00935      | 0.000868        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00207U      | 0.00935      | 0.00207         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000168U     | 0.00935      | 0.000168        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000681U     | 0.00935      | 0.000681        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000215U     | 0.00935      | 0.000215        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000264U     | 0.00935      | 0.000264        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000387U     | 0.00935      | 0.000387        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000286U     | 0.00935      | 0.000286        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00286U      | 0.00935      | 0.00286         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000692U     | 0.00935      | 0.000692        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.000896U     | 0.019        | 0.000896        | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000703U     | 0.00935      | 0.000703        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000284U     | 0.00935      | 0.000284        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000359U     | 0.00935      | 0.000359        | mg/kg        |
| 108-88-3       | Toluene                        | 0.00103U      | 0.00935      | 0.00103         | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000331U     | 0.00935      | 0.000331        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000471U     | 0.00935      | 0.000471        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000352U     | 0.00935      | 0.000352        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000656U     | 0.00935      | 0.000656        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.00107U      | 0.019        | 0.00107         | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000236U     | 0.00935      | 0.000236        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.000138U     | 0.00935      | 0.000138        | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000307U     | 0.00935      | 0.000307        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804012004    | OMS-28-5 (0-5)   | Solid         | 03/27/2008 10:45         | 04/01/2008 11:41         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 14:06 | JCK       | 371626                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .078         | .079      | mg/kg | 102        | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .078         | .077      | mg/kg | 99         | 65 - 130   |
| 2037-26-5  | Toluene d8            | .078         | .082      | mg/kg | 106        | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .078         | .085      | mg/kg | 109        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID       | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------------|--------|-------------------|-------------------|
| 20804012005 | OMS-28-5 (5-10) | Solid  | 03/27/2008 10:50  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 04/06/2008 14:28 | JCK | 371626           |

| CAS#           | Parameter                      | Result        | RDL          | MDL             | Units        |
|----------------|--------------------------------|---------------|--------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000215U     | 0.00875      | 0.000215        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000315U     | 0.00875      | 0.000315        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000199U     | 0.00875      | 0.000199        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000278U     | 0.00875      | 0.000278        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000628U     | 0.00875      | 0.000628        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000572U     | 0.00875      | 0.000572        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.00152U      | 0.00875      | 0.00152         | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000262U     | 0.00875      | 0.000262        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000199U     | 0.00875      | 0.000199        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000199U     | 0.00875      | 0.000199        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000196U     | 0.00875      | 0.000196        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000413U     | 0.00875      | 0.000413        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000737U     | 0.00875      | 0.000737        | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000546U     | 0.00875      | 0.000546        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.00145U      | 0.00875      | 0.00145         | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000303U     | 0.00875      | 0.000303        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.015J</b> | <b>0.044</b> | <b>0.000654</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000182U     | 0.00875      | 0.000182        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000236U     | 0.00875      | 0.000236        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000296U     | 0.00875      | 0.000296        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00263U      | 0.00875      | 0.00263         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000191U     | 0.00875      | 0.000191        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000210U     | 0.00875      | 0.000210        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000289U     | 0.00875      | 0.000289        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.00106U      | 0.00875      | 0.00106         | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000247U     | 0.00875      | 0.000247        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.000812U     | 0.00875      | 0.000812        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00193U      | 0.00875      | 0.00193         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000157U     | 0.00875      | 0.000157        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000637U     | 0.00875      | 0.000637        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000201U     | 0.00875      | 0.000201        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000247U     | 0.00875      | 0.000247        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000362U     | 0.00875      | 0.000362        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000268U     | 0.00875      | 0.000268        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00268U      | 0.00875      | 0.00268         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000647U     | 0.00875      | 0.000647        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.000838U     | 0.017        | 0.000838        | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000658U     | 0.00875      | 0.000658        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000266U     | 0.00875      | 0.000266        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000336U     | 0.00875      | 0.000336        | mg/kg        |
| 108-88-3       | Toluene                        | 0.000962U     | 0.00875      | 0.000962        | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000310U     | 0.00875      | 0.000310        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000441U     | 0.00875      | 0.000441        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000329U     | 0.00875      | 0.000329        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000614U     | 0.00875      | 0.000614        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.00100U      | 0.017        | 0.00100         | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000220U     | 0.00875      | 0.000220        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.000129U     | 0.00875      | 0.000129        | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000287U     | 0.00875      | 0.000287        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804012005    | OMS-28-5 (5-10)  | Solid         | 03/27/2008 10:50         | 04/01/2008 11:41         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 14:28 | JCK       | 371626                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .071         | .073      | mg/kg | 102        | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .071         | .076      | mg/kg | 106        | 65 - 130   |
| 2037-26-5  | Toluene d8            | .071         | .081      | mg/kg | 114        | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .071         | .086      | mg/kg | 120        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804012006    | OMS-28-5 (15-20) | Solid         | 03/27/2008 11:00         | 04/01/2008 11:41         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 17:52 | JCK       | 371626                  |

| CAS#            | Parameter                      | Result          | RDL            | MDL             | Units        |
|-----------------|--------------------------------|-----------------|----------------|-----------------|--------------|
| 71-55-6         | 1,1,1-Trichloroethane          | 0.000217U       | 0.00883        | 0.000217        | mg/kg        |
| 79-34-5         | 1,1,2,2-Tetrachloroethane      | 0.000318U       | 0.00883        | 0.000318        | mg/kg        |
| 79-00-5         | 1,1,2-Trichloroethane          | 0.000201U       | 0.00883        | 0.000201        | mg/kg        |
| 75-34-3         | 1,1-Dichloroethane             | 0.000281U       | 0.00883        | 0.000281        | mg/kg        |
| 75-35-4         | 1,1-Dichloroethene             | 0.000634U       | 0.00883        | 0.000634        | mg/kg        |
| 120-82-1        | 1,2,4-Trichlorobenzene         | 0.000578U       | 0.00883        | 0.000578        | mg/kg        |
| 96-12-8         | 1,2-Dibromo-3-chloropropane    | 0.00153U        | 0.00883        | 0.00153         | mg/kg        |
| 106-93-4        | 1,2-Dibromoethane              | 0.000265U       | 0.00883        | 0.000265        | mg/kg        |
| 95-50-1         | 1,2-Dichlorobenzene            | 0.000201U       | 0.00883        | 0.000201        | mg/kg        |
| 107-06-2        | 1,2-Dichloroethane             | 0.000201U       | 0.00883        | 0.000201        | mg/kg        |
| 78-87-5         | 1,2-Dichloropropane            | 0.000198U       | 0.00883        | 0.000198        | mg/kg        |
| 541-73-1        | 1,3-Dichlorobenzene            | 0.000417U       | 0.00883        | 0.000417        | mg/kg        |
| 106-46-7        | 1,4-Dichlorobenzene            | 0.000744U       | 0.00883        | 0.000744        | mg/kg        |
| 78-93-3         | 2-Butanone                     | 0.000551U       | 0.00883        | 0.000551        | mg/kg        |
| 591-78-6        | 2-Hexanone                     | 0.00146U        | 0.00883        | 0.00146         | mg/kg        |
| 108-10-1        | 4-Methyl-2-pentanone           | 0.000306U       | 0.00883        | 0.000306        | mg/kg        |
| <b>67-64-1</b>  | <b>Acetone</b>                 | <b>0.031J</b>   | <b>0.044</b>   | <b>0.000661</b> | <b>mg/kg</b> |
| 71-43-2         | Benzene                        | 0.000184U       | 0.00883        | 0.000184        | mg/kg        |
| 75-27-4         | Bromodichloromethane           | 0.000238U       | 0.00883        | 0.000238        | mg/kg        |
| 75-25-2         | Bromoform                      | 0.000298U       | 0.00883        | 0.000298        | mg/kg        |
| 74-83-9         | Bromomethane                   | 0.00266U        | 0.00883        | 0.00266         | mg/kg        |
| 75-15-0         | Carbon disulfide               | 0.000193U       | 0.00883        | 0.000193        | mg/kg        |
| 56-23-5         | Carbon tetrachloride           | 0.000212U       | 0.00883        | 0.000212        | mg/kg        |
| 108-90-7        | Chlorobenzene                  | 0.000291U       | 0.00883        | 0.000291        | mg/kg        |
| 75-00-3         | Chloroethane                   | 0.00107U        | 0.00883        | 0.00107         | mg/kg        |
| 67-66-3         | Chloroform                     | 0.000249U       | 0.00883        | 0.000249        | mg/kg        |
| 74-87-3         | Chloromethane                  | 0.000820U       | 0.00883        | 0.000820        | mg/kg        |
| 110-82-7        | Cyclohexane                    | 0.00195U        | 0.00883        | 0.00195         | mg/kg        |
| 124-48-1        | Dibromochloromethane           | 0.000159U       | 0.00883        | 0.000159        | mg/kg        |
| 75-71-8         | Dichlorodifluoromethane        | 0.000643U       | 0.00883        | 0.000643        | mg/kg        |
| 10061-01-5      | cis-1,3-Dichloropropene        | 0.000203U       | 0.00883        | 0.000203        | mg/kg        |
| 10061-02-6      | trans-1,3-Dichloropropene      | 0.000249U       | 0.00883        | 0.000249        | mg/kg        |
| 100-41-4        | Ethylbenzene                   | 0.000366U       | 0.00883        | 0.000366        | mg/kg        |
| 98-82-8         | Isopropylbenzene (Cumene)      | 0.000270U       | 0.00883        | 0.000270        | mg/kg        |
| 79-20-9         | Methyl Acetate                 | 0.00270U        | 0.00883        | 0.00270         | mg/kg        |
| 108-87-2        | Methylcyclohexane              | 0.000654U       | 0.00883        | 0.000654        | mg/kg        |
| 75-09-2         | Methylene chloride             | 0.000846U       | 0.018          | 0.000846        | mg/kg        |
| 91-20-3         | Naphthalene                    | 0.000664U       | 0.00883        | 0.000664        | mg/kg        |
| 100-42-5        | Styrene                        | 0.000268U       | 0.00883        | 0.000268        | mg/kg        |
| 127-18-4        | Tetrachloroethene              | 0.000339U       | 0.00883        | 0.000339        | mg/kg        |
| 108-88-3        | Toluene                        | 0.000971U       | 0.00883        | 0.000971        | mg/kg        |
| <b>79-01-6</b>  | <b>Trichloroethene</b>         | <b>0.00783J</b> | <b>0.00883</b> | <b>0.000313</b> | <b>mg/kg</b> |
| 75-69-4         | Trichlorofluoromethane         | 0.000445U       | 0.00883        | 0.000445        | mg/kg        |
| 76-13-1         | Trichlorotrifluoroethane       | 0.000332U       | 0.00883        | 0.000332        | mg/kg        |
| 75-01-4         | Vinyl chloride                 | 0.000620U       | 0.00883        | 0.000620        | mg/kg        |
| 1330-20-7       | Xylene (total)                 | 0.00101U        | 0.018          | 0.00101         | mg/kg        |
| <b>156-59-2</b> | <b>cis-1,2-Dichloroethene</b>  | <b>0.00643J</b> | <b>0.00883</b> | <b>0.000223</b> | <b>mg/kg</b> |
| 1634-04-4       | tert-Butyl methyl ether (MTBE) | 0.000131U       | 0.00883        | 0.000131        | mg/kg        |
| 156-60-5        | trans-1,2-Dichloroethene       | 0.000290U       | 0.00883        | 0.000290        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804012006    | OMS-28-5 (15-20) | Solid         | 03/27/2008 11:00         | 04/01/2008 11:41         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 17:52 | JCK       | 371626                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .069         | .066      | mg/kg | 95         | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .069         | .066      | mg/kg | 96         | 65 - 130   |
| 2037-26-5  | Toluene d8            | .069         | .069      | mg/kg | 99         | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .069         | .075      | mg/kg | 108        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID      | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|----------------|--------|-------------------|-------------------|
| 20804012007 | OMS-28-4 (0-5) | Solid  | 03/27/2008 13:20  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 04/06/2008 15:13 | JCK | 371626           |

| CAS#           | Parameter                      | Result        | RDL          | MDL             | Units        |
|----------------|--------------------------------|---------------|--------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000164U     | 0.00666      | 0.000164        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000240U     | 0.00666      | 0.000240        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000152U     | 0.00666      | 0.000152        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000212U     | 0.00666      | 0.000212        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000478U     | 0.00666      | 0.000478        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000435U     | 0.00666      | 0.000435        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.00115U      | 0.00666      | 0.00115         | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000200U     | 0.00666      | 0.000200        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000152U     | 0.00666      | 0.000152        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000152U     | 0.00666      | 0.000152        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000149U     | 0.00666      | 0.000149        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000314U     | 0.00666      | 0.000314        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000560U     | 0.00666      | 0.000560        | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000415U     | 0.00666      | 0.000415        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.00110U      | 0.00666      | 0.00110         | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000230U     | 0.00666      | 0.000230        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.025J</b> | <b>0.033</b> | <b>0.000498</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000138U     | 0.00666      | 0.000138        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000180U     | 0.00666      | 0.000180        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000225U     | 0.00666      | 0.000225        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00200U      | 0.00666      | 0.00200         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000145U     | 0.00666      | 0.000145        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000160U     | 0.00666      | 0.000160        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000220U     | 0.00666      | 0.000220        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.000807U     | 0.00666      | 0.000807        | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000188U     | 0.00666      | 0.000188        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.000618U     | 0.00666      | 0.000618        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00147U      | 0.00666      | 0.00147         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000120U     | 0.00666      | 0.000120        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000485U     | 0.00666      | 0.000485        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000153U     | 0.00666      | 0.000153        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000188U     | 0.00666      | 0.000188        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000276U     | 0.00666      | 0.000276        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000204U     | 0.00666      | 0.000204        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00204U      | 0.00666      | 0.00204         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000493U     | 0.00666      | 0.000493        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.000638U     | 0.013        | 0.000638        | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000501U     | 0.00666      | 0.000501        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000202U     | 0.00666      | 0.000202        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000256U     | 0.00666      | 0.000256        | mg/kg        |
| 108-88-3       | Toluene                        | 0.000732U     | 0.00666      | 0.000732        | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000236U     | 0.00666      | 0.000236        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000335U     | 0.00666      | 0.000335        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000250U     | 0.00666      | 0.000250        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000467U     | 0.00666      | 0.000467        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.000761U     | 0.013        | 0.000761        | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000168U     | 0.00666      | 0.000168        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.0000985U    | 0.00666      | 0.0000985       | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000218U     | 0.00666      | 0.000218        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804012007    | OMS-28-4 (0-5)   | Solid         | 03/27/2008 13:20         | 04/01/2008 11:41         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 15:13 | JCK       | 371626                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .055         | .057      | mg/kg | 105        | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .055         | .052      | mg/kg | 95         | 65 - 130   |
| 2037-26-5  | Toluene d8            | .055         | .054      | mg/kg | 99         | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .055         | .057      | mg/kg | 104        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID       | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------------|--------|-------------------|-------------------|
| 20804012008 | OMS-28-4 (5-10) | Solid  | 03/27/2008 13:30  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 04/06/2008 15:36 | JCK | 371626           |

| CAS#           | Parameter                      | Result        | RDL          | MDL             | Units        |
|----------------|--------------------------------|---------------|--------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000182U     | 0.00742      | 0.000182        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000267U     | 0.00742      | 0.000267        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000169U     | 0.00742      | 0.000169        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000236U     | 0.00742      | 0.000236        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000533U     | 0.00742      | 0.000533        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000485U     | 0.00742      | 0.000485        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.00128U      | 0.00742      | 0.00128         | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000223U     | 0.00742      | 0.000223        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000169U     | 0.00742      | 0.000169        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000169U     | 0.00742      | 0.000169        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000166U     | 0.00742      | 0.000166        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000350U     | 0.00742      | 0.000350        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000625U     | 0.00742      | 0.000625        | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000463U     | 0.00742      | 0.000463        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.00123U      | 0.00742      | 0.00123         | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000257U     | 0.00742      | 0.000257        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.012J</b> | <b>0.037</b> | <b>0.000555</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000154U     | 0.00742      | 0.000154        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000200U     | 0.00742      | 0.000200        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000251U     | 0.00742      | 0.000251        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00223U      | 0.00742      | 0.00223         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000162U     | 0.00742      | 0.000162        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000178U     | 0.00742      | 0.000178        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000245U     | 0.00742      | 0.000245        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.000899U     | 0.00742      | 0.000899        | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000209U     | 0.00742      | 0.000209        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.000688U     | 0.00742      | 0.000688        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00164U      | 0.00742      | 0.00164         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000134U     | 0.00742      | 0.000134        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000540U     | 0.00742      | 0.000540        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000171U     | 0.00742      | 0.000171        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000209U     | 0.00742      | 0.000209        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000307U     | 0.00742      | 0.000307        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000227U     | 0.00742      | 0.000227        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00227U      | 0.00742      | 0.00227         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000549U     | 0.00742      | 0.000549        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.000711U     | 0.015        | 0.000711        | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000558U     | 0.00742      | 0.000558        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000226U     | 0.00742      | 0.000226        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000285U     | 0.00742      | 0.000285        | mg/kg        |
| 108-88-3       | Toluene                        | 0.000816U     | 0.00742      | 0.000816        | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000263U     | 0.00742      | 0.000263        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000374U     | 0.00742      | 0.000374        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000279U     | 0.00742      | 0.000279        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000521U     | 0.00742      | 0.000521        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.000849U     | 0.015        | 0.000849        | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000187U     | 0.00742      | 0.000187        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.000110U     | 0.00742      | 0.000110        | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000243U     | 0.00742      | 0.000243        | mg/kg        |

| GCAL ID     | Client ID       | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------------|--------|-------------------|-------------------|
| 20804012008 | OMS-28-4 (5-10) | Solid  | 03/27/2008 13:30  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 04/06/2008 15:36 | JCK | 371626           |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .058         | .057      | mg/kg | 97         | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .058         | .056      | mg/kg | 97         | 65 - 130   |
| 2037-26-5  | Toluene d8            | .058         | .062      | mg/kg | 106        | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .058         | .061      | mg/kg | 105        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804012009    | OMS-28-4 (10-15) | Solid         | 03/27/2008 13:40         | 04/01/2008 11:41         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 18:15 | JCK       | 371626                  |

| CAS#            | Parameter                      | Result          | RDL            | MDL             | Units        |
|-----------------|--------------------------------|-----------------|----------------|-----------------|--------------|
| 71-55-6         | 1,1,1-Trichloroethane          | 0.000232U       | 0.00945        | 0.000232        | mg/kg        |
| 79-34-5         | 1,1,2,2-Tetrachloroethane      | 0.000340U       | 0.00945        | 0.000340        | mg/kg        |
| 79-00-5         | 1,1,2-Trichloroethane          | 0.000215U       | 0.00945        | 0.000215        | mg/kg        |
| 75-34-3         | 1,1-Dichloroethane             | 0.000301U       | 0.00945        | 0.000301        | mg/kg        |
| 75-35-4         | 1,1-Dichloroethene             | 0.000679U       | 0.00945        | 0.000679        | mg/kg        |
| 120-82-1        | 1,2,4-Trichlorobenzene         | 0.000618U       | 0.00945        | 0.000618        | mg/kg        |
| 96-12-8         | 1,2-Dibromo-3-chloropropane    | 0.00164U        | 0.00945        | 0.00164         | mg/kg        |
| 106-93-4        | 1,2-Dibromoethane              | 0.000284U       | 0.00945        | 0.000284        | mg/kg        |
| 95-50-1         | 1,2-Dichlorobenzene            | 0.000215U       | 0.00945        | 0.000215        | mg/kg        |
| 107-06-2        | 1,2-Dichloroethane             | 0.000215U       | 0.00945        | 0.000215        | mg/kg        |
| 78-87-5         | 1,2-Dichloropropane            | 0.000212U       | 0.00945        | 0.000212        | mg/kg        |
| 541-73-1        | 1,3-Dichlorobenzene            | 0.000446U       | 0.00945        | 0.000446        | mg/kg        |
| 106-46-7        | 1,4-Dichlorobenzene            | 0.000796U       | 0.00945        | 0.000796        | mg/kg        |
| 78-93-3         | 2-Butanone                     | 0.000590U       | 0.00945        | 0.000590        | mg/kg        |
| 591-78-6        | 2-Hexanone                     | 0.00156U        | 0.00945        | 0.00156         | mg/kg        |
| 108-10-1        | 4-Methyl-2-pentanone           | 0.000327U       | 0.00945        | 0.000327        | mg/kg        |
| <b>67-64-1</b>  | <b>Acetone</b>                 | <b>0.028J</b>   | <b>0.047</b>   | <b>0.000707</b> | <b>mg/kg</b> |
| 71-43-2         | Benzene                        | 0.000197U       | 0.00945        | 0.000197        | mg/kg        |
| 75-27-4         | Bromodichloromethane           | 0.000255U       | 0.00945        | 0.000255        | mg/kg        |
| 75-25-2         | Bromoform                      | 0.000319U       | 0.00945        | 0.000319        | mg/kg        |
| 74-83-9         | Bromomethane                   | 0.00284U        | 0.00945        | 0.00284         | mg/kg        |
| 75-15-0         | Carbon disulfide               | 0.000206U       | 0.00945        | 0.000206        | mg/kg        |
| 56-23-5         | Carbon tetrachloride           | 0.000227U       | 0.00945        | 0.000227        | mg/kg        |
| 108-90-7        | Chlorobenzene                  | 0.000312U       | 0.00945        | 0.000312        | mg/kg        |
| 75-00-3         | Chloroethane                   | 0.00115U        | 0.00945        | 0.00115         | mg/kg        |
| 67-66-3         | Chloroform                     | 0.000267U       | 0.00945        | 0.000267        | mg/kg        |
| 74-87-3         | Chloromethane                  | 0.000877U       | 0.00945        | 0.000877        | mg/kg        |
| 110-82-7        | Cyclohexane                    | 0.00209U        | 0.00945        | 0.00209         | mg/kg        |
| 124-48-1        | Dibromochloromethane           | 0.000170U       | 0.00945        | 0.000170        | mg/kg        |
| 75-71-8         | Dichlorodifluoromethane        | 0.000688U       | 0.00945        | 0.000688        | mg/kg        |
| 10061-01-5      | cis-1,3-Dichloropropene        | 0.000217U       | 0.00945        | 0.000217        | mg/kg        |
| 10061-02-6      | trans-1,3-Dichloropropene      | 0.000267U       | 0.00945        | 0.000267        | mg/kg        |
| 100-41-4        | Ethylbenzene                   | 0.000391U       | 0.00945        | 0.000391        | mg/kg        |
| 98-82-8         | Isopropylbenzene (Cumene)      | 0.000289U       | 0.00945        | 0.000289        | mg/kg        |
| 79-20-9         | Methyl Acetate                 | 0.00289U        | 0.00945        | 0.00289         | mg/kg        |
| 108-87-2        | Methylcyclohexane              | 0.000699U       | 0.00945        | 0.000699        | mg/kg        |
| 75-09-2         | Methylene chloride             | 0.000905U       | 0.019          | 0.000905        | mg/kg        |
| 91-20-3         | Naphthalene                    | 0.000711U       | 0.00945        | 0.000711        | mg/kg        |
| 100-42-5        | Styrene                        | 0.000287U       | 0.00945        | 0.000287        | mg/kg        |
| 127-18-4        | Tetrachloroethene              | 0.000363U       | 0.00945        | 0.000363        | mg/kg        |
| 108-88-3        | Toluene                        | 0.00104U        | 0.00945        | 0.00104         | mg/kg        |
| <b>79-01-6</b>  | <b>Trichloroethene</b>         | <b>0.027</b>    | <b>0.00945</b> | <b>0.000335</b> | <b>mg/kg</b> |
| 75-69-4         | Trichlorofluoromethane         | 0.000476U       | 0.00945        | 0.000476        | mg/kg        |
| 76-13-1         | Trichlorotrifluoroethane       | 0.000355U       | 0.00945        | 0.000355        | mg/kg        |
| 75-01-4         | Vinyl chloride                 | 0.000663U       | 0.00945        | 0.000663        | mg/kg        |
| 1330-20-7       | Xylene (total)                 | 0.00108U        | 0.019          | 0.00108         | mg/kg        |
| <b>156-59-2</b> | <b>cis-1,2-Dichloroethene</b>  | <b>0.00546J</b> | <b>0.00945</b> | <b>0.000238</b> | <b>mg/kg</b> |
| 1634-04-4       | tert-Butyl methyl ether (MTBE) | 0.000140U       | 0.00945        | 0.000140        | mg/kg        |
| 156-60-5        | trans-1,2-Dichloroethene       | 0.000310U       | 0.00945        | 0.000310        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804012009    | OMS-28-4 (10-15) | Solid         | 03/27/2008 13:40         | 04/01/2008 11:41         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 18:15 | JCK       | 371626                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .069         | .067      | mg/kg | 96         | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .069         | .065      | mg/kg | 94         | 65 - 130   |
| 2037-26-5  | Toluene d8            | .069         | .071      | mg/kg | 103        | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .069         | .073      | mg/kg | 105        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20804012010 | OMS-28-4 (70-75) | Solid  | 03/27/2008 14:30  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 04/06/2008 16:22 | JCK | 371626           |

| CAS#           | Parameter                      | Result        | RDL          | MDL             | Units        |
|----------------|--------------------------------|---------------|--------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000152U     | 0.00617      | 0.000152        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000222U     | 0.00617      | 0.000222        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000141U     | 0.00617      | 0.000141        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000196U     | 0.00617      | 0.000196        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000443U     | 0.00617      | 0.000443        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000403U     | 0.00617      | 0.000403        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.00107U      | 0.00617      | 0.00107         | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000185U     | 0.00617      | 0.000185        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000141U     | 0.00617      | 0.000141        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000141U     | 0.00617      | 0.000141        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000138U     | 0.00617      | 0.000138        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000291U     | 0.00617      | 0.000291        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000519U     | 0.00617      | 0.000519        | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000385U     | 0.00617      | 0.000385        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.00102U      | 0.00617      | 0.00102         | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000213U     | 0.00617      | 0.000213        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.010J</b> | <b>0.031</b> | <b>0.000461</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000128U     | 0.00617      | 0.000128        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000166U     | 0.00617      | 0.000166        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000208U     | 0.00617      | 0.000208        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00186U      | 0.00617      | 0.00186         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000134U     | 0.00617      | 0.000134        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000148U     | 0.00617      | 0.000148        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000203U     | 0.00617      | 0.000203        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.000747U     | 0.00617      | 0.000747        | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000174U     | 0.00617      | 0.000174        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.000572U     | 0.00617      | 0.000572        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00136U      | 0.00617      | 0.00136         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000111U     | 0.00617      | 0.000111        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000449U     | 0.00617      | 0.000449        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000142U     | 0.00617      | 0.000142        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000174U     | 0.00617      | 0.000174        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000255U     | 0.00617      | 0.000255        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000189U     | 0.00617      | 0.000189        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00189U      | 0.00617      | 0.00189         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000456U     | 0.00617      | 0.000456        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.000591U     | 0.012        | 0.000591        | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000464U     | 0.00617      | 0.000464        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000187U     | 0.00617      | 0.000187        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000237U     | 0.00617      | 0.000237        | mg/kg        |
| 108-88-3       | Toluene                        | 0.000678U     | 0.00617      | 0.000678        | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000218U     | 0.00617      | 0.000218        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000311U     | 0.00617      | 0.000311        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000232U     | 0.00617      | 0.000232        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000433U     | 0.00617      | 0.000433        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.000705U     | 0.012        | 0.000705        | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000155U     | 0.00617      | 0.000155        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.0000913U    | 0.00617      | 0.0000913       | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000202U     | 0.00617      | 0.000202        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804012010    | OMS-28-4 (70-75) | Solid         | 03/27/2008 14:30         | 04/01/2008 11:41         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 16:22 | JCK       | 371626                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .046         | .047      | mg/kg | 101        | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .046         | .043      | mg/kg | 93         | 65 - 130   |
| 2037-26-5  | Toluene d8            | .046         | .045      | mg/kg | 98         | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .046         | .049      | mg/kg | 106        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

|                               |                           |                        |  |  |
|-------------------------------|---------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20804012011 | <b>Client ID</b><br>DUP 1 | <b>Matrix</b><br>Solid | <b>Collect Date/Time</b><br>03/27/2008 08:45 | <b>Receive Date/Time</b><br>04/01/2008 11:41 |
|-------------------------------|---------------------------|------------------------|--|--|

SW-846 8260B DOD Solid

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>04/06/2008 16:44 | <b>By</b><br>JCK | <b>Analytical Batch</b><br>371626 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#           | Parameter                      | Result          | RDL          | MDL             | Units        |
|----------------|--------------------------------|-----------------|--------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000178U       | 0.00723      | 0.000178        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000260U       | 0.00723      | 0.000260        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000165U       | 0.00723      | 0.000165        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000230U       | 0.00723      | 0.000230        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000519U       | 0.00723      | 0.000519        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000473U       | 0.00723      | 0.000473        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.00125U        | 0.00723      | 0.00125         | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000217U       | 0.00723      | 0.000217        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000165U       | 0.00723      | 0.000165        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000165U       | 0.00723      | 0.000165        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000162U       | 0.00723      | 0.000162        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000341U       | 0.00723      | 0.000341        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000609U       | 0.00723      | 0.000609        | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000451U       | 0.00723      | 0.000451        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.00119U        | 0.00723      | 0.00119         | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000250U       | 0.00723      | 0.000250        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.00932J</b> | <b>0.036</b> | <b>0.000541</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000150U       | 0.00723      | 0.000150        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000195U       | 0.00723      | 0.000195        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000244U       | 0.00723      | 0.000244        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00218U        | 0.00723      | 0.00218         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000158U       | 0.00723      | 0.000158        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000174U       | 0.00723      | 0.000174        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000239U       | 0.00723      | 0.000239        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.000877U       | 0.00723      | 0.000877        | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000204U       | 0.00723      | 0.000204        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.000671U       | 0.00723      | 0.000671        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00160U        | 0.00723      | 0.00160         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000130U       | 0.00723      | 0.000130        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000527U       | 0.00723      | 0.000527        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000166U       | 0.00723      | 0.000166        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000204U       | 0.00723      | 0.000204        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000299U       | 0.00723      | 0.000299        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000221U       | 0.00723      | 0.000221        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00221U        | 0.00723      | 0.00221         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000535U       | 0.00723      | 0.000535        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.000693U       | 0.014        | 0.000693        | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000544U       | 0.00723      | 0.000544        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000220U       | 0.00723      | 0.000220        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000278U       | 0.00723      | 0.000278        | mg/kg        |
| 108-88-3       | Toluene                        | 0.000796U       | 0.00723      | 0.000796        | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000256U       | 0.00723      | 0.000256        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000365U       | 0.00723      | 0.000365        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000272U       | 0.00723      | 0.000272        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000508U       | 0.00723      | 0.000508        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.000827U       | 0.014        | 0.000827        | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000182U       | 0.00723      | 0.000182        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.000107U       | 0.00723      | 0.000107        | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000237U       | 0.00723      | 0.000237        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804012011    | DUP 1            | Solid         | 03/27/2008 08:45         | 04/01/2008 11:41         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 16:44 | JCK       | 371626                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .062         | .06       | mg/kg | 97         | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .062         | .058      | mg/kg | 93         | 65 - 130   |
| 2037-26-5  | Toluene d8            | .062         | .06       | mg/kg | 96         | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .062         | .067      | mg/kg | 108        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

|                               |                           |                        |  |  |
|-------------------------------|---------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20804012012 | <b>Client ID</b><br>DUP 2 | <b>Matrix</b><br>Solid | <b>Collect Date/Time</b><br>03/27/2008 10:45 | <b>Receive Date/Time</b><br>04/01/2008 11:41 |
|-------------------------------|---------------------------|------------------------|--|--|

SW-846 8260B DOD Solid

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>04/06/2008 17:07 | <b>By</b><br>JCK | <b>Analytical Batch</b><br>371626 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#           | Parameter                      | Result        | RDL          | MDL             | Units        |
|----------------|--------------------------------|---------------|--------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000193U     | 0.00786      | 0.000193        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000283U     | 0.00786      | 0.000283        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000179U     | 0.00786      | 0.000179        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000250U     | 0.00786      | 0.000250        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000565U     | 0.00786      | 0.000565        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000514U     | 0.00786      | 0.000514        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.00136U      | 0.00786      | 0.00136         | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000236U     | 0.00786      | 0.000236        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000179U     | 0.00786      | 0.000179        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000179U     | 0.00786      | 0.000179        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000176U     | 0.00786      | 0.000176        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000371U     | 0.00786      | 0.000371        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000662U     | 0.00786      | 0.000662        | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000491U     | 0.00786      | 0.000491        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.00130U      | 0.00786      | 0.00130         | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000272U     | 0.00786      | 0.000272        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.012J</b> | <b>0.039</b> | <b>0.000588</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000164U     | 0.00786      | 0.000164        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000212U     | 0.00786      | 0.000212        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000266U     | 0.00786      | 0.000266        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00237U      | 0.00786      | 0.00237         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000171U     | 0.00786      | 0.000171        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000189U     | 0.00786      | 0.000189        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000260U     | 0.00786      | 0.000260        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.000953U     | 0.00786      | 0.000953        | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000222U     | 0.00786      | 0.000222        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.000730U     | 0.00786      | 0.000730        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00174U      | 0.00786      | 0.00174         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000142U     | 0.00786      | 0.000142        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000573U     | 0.00786      | 0.000573        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000181U     | 0.00786      | 0.000181        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000222U     | 0.00786      | 0.000222        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000326U     | 0.00786      | 0.000326        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000241U     | 0.00786      | 0.000241        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00240U      | 0.00786      | 0.00240         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000582U     | 0.00786      | 0.000582        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.000753U     | 0.016        | 0.000753        | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000591U     | 0.00786      | 0.000591        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000239U     | 0.00786      | 0.000239        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000302U     | 0.00786      | 0.000302        | mg/kg        |
| 108-88-3       | Toluene                        | 0.000865U     | 0.00786      | 0.000865        | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000278U     | 0.00786      | 0.000278        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000396U     | 0.00786      | 0.000396        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000296U     | 0.00786      | 0.000296        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000552U     | 0.00786      | 0.000552        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.000900U     | 0.016        | 0.000900        | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000198U     | 0.00786      | 0.000198        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.000116U     | 0.00786      | 0.000116        | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000258U     | 0.00786      | 0.000258        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804012012    | DUP 2            | Solid         | 03/27/2008 10:45         | 04/01/2008 11:41         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 17:07 | JCK       | 371626                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .065         | .063      | mg/kg | 97         | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .065         | .06       | mg/kg | 92         | 65 - 130   |
| 2037-26-5  | Toluene d8            | .065         | .064      | mg/kg | 98         | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .065         | .068      | mg/kg | 105        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

|                               |                           |                        |  |  |
|-------------------------------|---------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20804012013 | <b>Client ID</b><br>DUP 3 | <b>Matrix</b><br>Solid | <b>Collect Date/Time</b><br>03/27/2008 13:20 | <b>Receive Date/Time</b><br>04/01/2008 11:41 |
|-------------------------------|---------------------------|------------------------|--|--|

SW-846 8260B DOD Solid

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>04/06/2008 17:30 | <b>By</b><br>JCK | <b>Analytical Batch</b><br>371626 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#           | Parameter                      | Result          | RDL          | MDL             | Units        |
|----------------|--------------------------------|-----------------|--------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000220U       | 0.00896      | 0.000220        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000323U       | 0.00896      | 0.000323        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000204U       | 0.00896      | 0.000204        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000285U       | 0.00896      | 0.000285        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000643U       | 0.00896      | 0.000643        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000586U       | 0.00896      | 0.000586        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.00155U        | 0.00896      | 0.00155         | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000269U       | 0.00896      | 0.000269        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000204U       | 0.00896      | 0.000204        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000204U       | 0.00896      | 0.000204        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000201U       | 0.00896      | 0.000201        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000423U       | 0.00896      | 0.000423        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000754U       | 0.00896      | 0.000754        | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000559U       | 0.00896      | 0.000559        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.00148U        | 0.00896      | 0.00148         | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000310U       | 0.00896      | 0.000310        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.00404J</b> | <b>0.045</b> | <b>0.000670</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000186U       | 0.00896      | 0.000186        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000242U       | 0.00896      | 0.000242        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000303U       | 0.00896      | 0.000303        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00270U        | 0.00896      | 0.00270         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000195U       | 0.00896      | 0.000195        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000215U       | 0.00896      | 0.000215        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000296U       | 0.00896      | 0.000296        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.00109U        | 0.00896      | 0.00109         | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000253U       | 0.00896      | 0.000253        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.000832U       | 0.00896      | 0.000832        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00198U        | 0.00896      | 0.00198         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000161U       | 0.00896      | 0.000161        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000652U       | 0.00896      | 0.000652        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000206U       | 0.00896      | 0.000206        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000253U       | 0.00896      | 0.000253        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000371U       | 0.00896      | 0.000371        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000274U       | 0.00896      | 0.000274        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00274U        | 0.00896      | 0.00274         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000663U       | 0.00896      | 0.000663        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.000858U       | 0.018        | 0.000858        | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000674U       | 0.00896      | 0.000674        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000272U       | 0.00896      | 0.000272        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000344U       | 0.00896      | 0.000344        | mg/kg        |
| 108-88-3       | Toluene                        | 0.000986U       | 0.00896      | 0.000986        | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000317U       | 0.00896      | 0.000317        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000452U       | 0.00896      | 0.000452        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000337U       | 0.00896      | 0.000337        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000629U       | 0.00896      | 0.000629        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.00103U        | 0.018        | 0.00103         | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000226U       | 0.00896      | 0.000226        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.000133U       | 0.00896      | 0.000133        | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000294U       | 0.00896      | 0.000294        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804012013    | DUP 3            | Solid         | 03/27/2008 13:20         | 04/01/2008 11:41         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 17:30 | JCK       | 371626                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .076         | .077      | mg/kg | 101        | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .076         | .07       | mg/kg | 92         | 65 - 130   |
| 2037-26-5  | Toluene d8            | .076         | .074      | mg/kg | 97         | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .076         | .079      | mg/kg | 103        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID      | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|----------------|--------|-------------------|-------------------|
| 20804012101 | OMS-28-3 (0-5) | Solid  | 03/26/2008 13:20  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 04/06/2008 01:25 | JCK | 371628           |

| CAS#           | Parameter                      | Result        | RDL            | MDL             | Units        |
|----------------|--------------------------------|---------------|----------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000162U     | 0.00659        | 0.000162        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000237U     | 0.00659        | 0.000237        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000150U     | 0.00659        | 0.000150        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000210U     | 0.00659        | 0.000210        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000473U     | 0.00659        | 0.000473        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000431U     | 0.00659        | 0.000431        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.00114U      | 0.00659        | 0.00114         | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000198U     | 0.00659        | 0.000198        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000150U     | 0.00659        | 0.000150        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000150U     | 0.00659        | 0.000150        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000148U     | 0.00659        | 0.000148        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000311U     | 0.00659        | 0.000311        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000555U     | 0.00659        | 0.000555        | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000411U     | 0.00659        | 0.000411        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.00109U      | 0.00659        | 0.00109         | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000228U     | 0.00659        | 0.000228        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.013J</b> | <b>0.033</b>   | <b>0.000493</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000137U     | 0.00659        | 0.000137        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000178U     | 0.00659        | 0.000178        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000223U     | 0.00659        | 0.000223        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00198U      | 0.00659        | 0.00198         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000144U     | 0.00659        | 0.000144        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000158U     | 0.00659        | 0.000158        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000217U     | 0.00659        | 0.000217        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.000799U     | 0.00659        | 0.000799        | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000186U     | 0.00659        | 0.000186        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.000611U     | 0.00659        | 0.000611        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00146U      | 0.00659        | 0.00146         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000119U     | 0.00659        | 0.000119        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000480U     | 0.00659        | 0.000480        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000152U     | 0.00659        | 0.000152        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000186U     | 0.00659        | 0.000186        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000273U     | 0.00659        | 0.000273        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000202U     | 0.00659        | 0.000202        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00201U      | 0.00659        | 0.00201         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000488U     | 0.00659        | 0.000488        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.000631U     | 0.013          | 0.000631        | mg/kg        |
| <b>91-20-3</b> | <b>Naphthalene</b>             | <b>0.017</b>  | <b>0.00659</b> | <b>0.000495</b> | <b>mg/kg</b> |
| 100-42-5       | Styrene                        | 0.000200U     | 0.00659        | 0.000200        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000253U     | 0.00659        | 0.000253        | mg/kg        |
| 108-88-3       | Toluene                        | 0.000725U     | 0.00659        | 0.000725        | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000233U     | 0.00659        | 0.000233        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000332U     | 0.00659        | 0.000332        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000248U     | 0.00659        | 0.000248        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000463U     | 0.00659        | 0.000463        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.000754U     | 0.013          | 0.000754        | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000166U     | 0.00659        | 0.000166        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.0000975U    | 0.00659        | 0.0000975       | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000216U     | 0.00659        | 0.000216        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804012101    | OMS-28-3 (0-5)   | Solid         | 03/26/2008 13:20         | 04/01/2008 11:41         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 01:25 | JCK       | 371628                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .055         | .058      | mg/kg | 105        | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .055         | .053      | mg/kg | 97         | 65 - 130   |
| 2037-26-5  | Toluene d8            | .055         | .054      | mg/kg | 99         | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .055         | .059      | mg/kg | 107        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID       | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------------|--------|-------------------|-------------------|
| 20804012102 | OMS-28-3 (5-10) | Solid  | 03/26/2008 13:25  | 04/01/2008 11:41  |

SW-846 8260B DOD Solid

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 04/06/2008 01:48 | JCK | 371628           |

| CAS#           | Parameter                      | Result       | RDL          | MDL             | Units        |
|----------------|--------------------------------|--------------|--------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000272U    | 0.011        | 0.000272        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000398U    | 0.011        | 0.000398        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000252U    | 0.011        | 0.000252        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000351U    | 0.011        | 0.000351        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000793U    | 0.011        | 0.000793        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000723U    | 0.011        | 0.000723        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.00191U     | 0.011        | 0.00191         | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000332U    | 0.011        | 0.000332        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000252U    | 0.011        | 0.000252        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000252U    | 0.011        | 0.000252        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000248U    | 0.011        | 0.000248        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000522U    | 0.011        | 0.000522        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000930U    | 0.011        | 0.000930        | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000690U    | 0.011        | 0.000690        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.00183U     | 0.011        | 0.00183         | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000382U    | 0.011        | 0.000382        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.094</b> | <b>0.055</b> | <b>0.000827</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000230U    | 0.011        | 0.000230        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000298U    | 0.011        | 0.000298        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000374U    | 0.011        | 0.000374        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00333U     | 0.011        | 0.00333         | mg/kg        |
| <b>75-15-0</b> | <b>Carbon disulfide</b>        | <b>0.012</b> | <b>0.011</b> | <b>0.000241</b> | <b>mg/kg</b> |
| 56-23-5        | Carbon tetrachloride           | 0.000265U    | 0.011        | 0.000265        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000365U    | 0.011        | 0.000365        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.00134U     | 0.011        | 0.00134         | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000312U    | 0.011        | 0.000312        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.00103U     | 0.011        | 0.00103         | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00244U     | 0.011        | 0.00244         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000199U    | 0.011        | 0.000199        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000804U    | 0.011        | 0.000804        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000254U    | 0.011        | 0.000254        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000312U    | 0.011        | 0.000312        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000457U    | 0.011        | 0.000457        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000338U    | 0.011        | 0.000338        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00338U     | 0.011        | 0.00338         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000818U    | 0.011        | 0.000818        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.00106U     | 0.022        | 0.00106         | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000831U    | 0.011        | 0.000831        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000336U    | 0.011        | 0.000336        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000424U    | 0.011        | 0.000424        | mg/kg        |
| 108-88-3       | Toluene                        | 0.00122U     | 0.011        | 0.00122         | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000391U    | 0.011        | 0.000391        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000557U    | 0.011        | 0.000557        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000415U    | 0.011        | 0.000415        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000776U    | 0.011        | 0.000776        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.00126U     | 0.022        | 0.00126         | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000278U    | 0.011        | 0.000278        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.000164U    | 0.011        | 0.000164        | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000362U    | 0.011        | 0.000362        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804012102    | OMS-28-3 (5-10)  | Solid         | 03/26/2008 13:25         | 04/01/2008 11:41         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 01:48 | JCK       | 371628                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .084         | .088      | mg/kg | 105        | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .084         | .086      | mg/kg | 103        | 65 - 130   |
| 2037-26-5  | Toluene d8            | .084         | .089      | mg/kg | 107        | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .084         | .093      | mg/kg | 111        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20804012103 | OMS-28-3 (10-15) | Solid  | 03/26/2008 13:30  | 04/01/2008 11:41  |

SW-846 8260B

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 04/06/2008 03:10 | JCK | 371628           |

| CAS#            | Parameter                      | Result          | RDL            | MDL             | Units        |
|-----------------|--------------------------------|-----------------|----------------|-----------------|--------------|
| 71-55-6         | 1,1,1-Trichloroethane          | 0.000238U       | 0.00967        | 0.000238        | mg/kg        |
| 79-34-5         | 1,1,2,2-Tetrachloroethane      | 0.000348U       | 0.00967        | 0.000348        | mg/kg        |
| 79-00-5         | 1,1,2-Trichloroethane          | 0.000220U       | 0.00967        | 0.000220        | mg/kg        |
| 75-34-3         | 1,1-Dichloroethane             | 0.000307U       | 0.00967        | 0.000307        | mg/kg        |
| 75-35-4         | 1,1-Dichloroethene             | 0.000694U       | 0.00967        | 0.000694        | mg/kg        |
| 120-82-1        | 1,2,4-Trichlorobenzene         | 0.000632U       | 0.00967        | 0.000632        | mg/kg        |
| 96-12-8         | 1,2-Dibromo-3-chloropropane    | 0.00167U        | 0.00967        | 0.00167         | mg/kg        |
| 106-93-4        | 1,2-Dibromoethane              | 0.000290U       | 0.00967        | 0.000290        | mg/kg        |
| 95-50-1         | 1,2-Dichlorobenzene            | 0.000220U       | 0.00967        | 0.000220        | mg/kg        |
| 107-06-2        | 1,2-Dichloroethane             | 0.000220U       | 0.00967        | 0.000220        | mg/kg        |
| 78-87-5         | 1,2-Dichloropropane            | 0.000217U       | 0.00967        | 0.000217        | mg/kg        |
| 541-73-1        | 1,3-Dichlorobenzene            | 0.000456U       | 0.00967        | 0.000456        | mg/kg        |
| 106-46-7        | 1,4-Dichlorobenzene            | 0.000814U       | 0.00967        | 0.000814        | mg/kg        |
| 78-93-3         | 2-Butanone                     | 0.000603U       | 0.00967        | 0.000603        | mg/kg        |
| 591-78-6        | 2-Hexanone                     | 0.00160U        | 0.00967        | 0.00160         | mg/kg        |
| 108-10-1        | 4-Methyl-2-pentanone           | 0.000335U       | 0.00967        | 0.000335        | mg/kg        |
| <b>67-64-1</b>  | <b>Acetone</b>                 | <b>0.062</b>    | <b>0.048</b>   | <b>0.000723</b> | <b>mg/kg</b> |
| 71-43-2         | Benzene                        | 0.000201U       | 0.00967        | 0.000201        | mg/kg        |
| 75-27-4         | Bromodichloromethane           | 0.000261U       | 0.00967        | 0.000261        | mg/kg        |
| 75-25-2         | Bromoform                      | 0.000327U       | 0.00967        | 0.000327        | mg/kg        |
| 74-83-9         | Bromomethane                   | 0.00291U        | 0.00967        | 0.00291         | mg/kg        |
| <b>75-15-0</b>  | <b>Carbon disulfide</b>        | <b>0.033</b>    | <b>0.00967</b> | <b>0.000211</b> | <b>mg/kg</b> |
| 56-23-5         | Carbon tetrachloride           | 0.000232U       | 0.00967        | 0.000232        | mg/kg        |
| 108-90-7        | Chlorobenzene                  | 0.000319U       | 0.00967        | 0.000319        | mg/kg        |
| 75-00-3         | Chloroethane                   | 0.00117U        | 0.00967        | 0.00117         | mg/kg        |
| 67-66-3         | Chloroform                     | 0.000273U       | 0.00967        | 0.000273        | mg/kg        |
| 74-87-3         | Chloromethane                  | 0.000897U       | 0.00967        | 0.000897        | mg/kg        |
| 110-82-7        | Cyclohexane                    | 0.00214U        | 0.00967        | 0.00214         | mg/kg        |
| 124-48-1        | Dibromochloromethane           | 0.000174U       | 0.00967        | 0.000174        | mg/kg        |
| 75-71-8         | Dichlorodifluoromethane        | 0.000704U       | 0.00967        | 0.000704        | mg/kg        |
| 10061-01-5      | cis-1,3-Dichloropropene        | 0.000222U       | 0.00967        | 0.000222        | mg/kg        |
| 10061-02-6      | trans-1,3-Dichloropropene      | 0.000273U       | 0.00967        | 0.000273        | mg/kg        |
| 100-41-4        | Ethylbenzene                   | 0.000400U       | 0.00967        | 0.000400        | mg/kg        |
| 98-82-8         | Isopropylbenzene (Cumene)      | 0.000296U       | 0.00967        | 0.000296        | mg/kg        |
| 79-20-9         | Methyl Acetate                 | 0.00296U        | 0.00967        | 0.00296         | mg/kg        |
| 108-87-2        | Methylcyclohexane              | 0.000715U       | 0.00967        | 0.000715        | mg/kg        |
| 75-09-2         | Methylene chloride             | 0.000926U       | 0.019          | 0.000926        | mg/kg        |
| 91-20-3         | Naphthalene                    | 0.000727U       | 0.00967        | 0.000727        | mg/kg        |
| 100-42-5        | Styrene                        | 0.000294U       | 0.00967        | 0.000294        | mg/kg        |
| 127-18-4        | Tetrachloroethene              | 0.000371U       | 0.00967        | 0.000371        | mg/kg        |
| 108-88-3        | Toluene                        | 0.00106U        | 0.00967        | 0.00106         | mg/kg        |
| 75-69-4         | Trichlorofluoromethane         | 0.000487U       | 0.00967        | 0.000487        | mg/kg        |
| 76-13-1         | Trichlorotrifluoroethane       | 0.000364U       | 0.00967        | 0.000364        | mg/kg        |
| 75-01-4         | Vinyl chloride                 | 0.000679U       | 0.00967        | 0.000679        | mg/kg        |
| 1330-20-7       | Xylene (total)                 | 0.00111U        | 0.019          | 0.00111         | mg/kg        |
| <b>156-59-2</b> | <b>cis-1,2-Dichloroethene</b>  | <b>0.00912J</b> | <b>0.00967</b> | <b>0.000244</b> | <b>mg/kg</b> |
| 1634-04-4       | tert-Butyl methyl ether (MTBE) | 0.000143U       | 0.00967        | 0.000143        | mg/kg        |
| 156-60-5        | trans-1,2-Dichloroethene       | 0.000317U       | 0.00967        | 0.000317        | mg/kg        |

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20804012103 | OMS-28-3 (10-15) | Solid  | 03/26/2008 13:30  | 04/01/2008 11:41  |

SW-846 8260B

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 04/06/2008 03:10 | JCK | 371628           |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .074         | .074      | mg/kg | 100        | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .074         | .089      | mg/kg | 120        | 65 - 130   |
| 2037-26-5  | Toluene d8            | .074         | .11       | mg/kg | 148*       | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .074         | .089      | mg/kg | 120        | 62 - 125   |

SW-846 8260B

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 50       | 04/07/2008 02:10 | ADI | 371712           |

| CAS#    | Parameter       | Result | RDL   | MDL     | Units |
|---------|-----------------|--------|-------|---------|-------|
| 79-01-6 | Trichloroethene | 0.211J | 0.271 | 0.00960 | mg/kg |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | 2.08         | 2.14      | mg/kg | 103        | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | 2.08         | 2.42      | mg/kg | 116        | 65 - 130   |
| 2037-26-5  | Toluene d8            | 2.08         | 2.26      | mg/kg | 109        | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 2.08         | 2.4       | mg/kg | 115        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

|                               |                                    |                        |  |  |
|-------------------------------|------------------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20804012104 | <b>Client ID</b><br>OMS-28-7 (0-5) | <b>Matrix</b><br>Solid | <b>Collect Date/Time</b><br>03/26/2008 13:45 | <b>Receive Date/Time</b><br>04/01/2008 11:41 |
|-------------------------------|------------------------------------|------------------------|--|--|

SW-846 8260B DOD Solid

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>04/06/2008 03:33 | <b>By</b><br>JCK | <b>Analytical Batch</b><br>371628 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#           | Parameter                      | Result        | RDL          | MDL             | Units        |
|----------------|--------------------------------|---------------|--------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000175U     | 0.00711      | 0.000175        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000256U     | 0.00711      | 0.000256        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000162U     | 0.00711      | 0.000162        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000226U     | 0.00711      | 0.000226        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000510U     | 0.00711      | 0.000510        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000465U     | 0.00711      | 0.000465        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.00123U      | 0.00711      | 0.00123         | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000213U     | 0.00711      | 0.000213        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000162U     | 0.00711      | 0.000162        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000162U     | 0.00711      | 0.000162        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000159U     | 0.00711      | 0.000159        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000336U     | 0.00711      | 0.000336        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000599U     | 0.00711      | 0.000599        | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000444U     | 0.00711      | 0.000444        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.00117U      | 0.00711      | 0.00117         | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000246U     | 0.00711      | 0.000246        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.029J</b> | <b>0.036</b> | <b>0.000532</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000148U     | 0.00711      | 0.000148        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000192U     | 0.00711      | 0.000192        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000240U     | 0.00711      | 0.000240        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00214U      | 0.00711      | 0.00214         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000155U     | 0.00711      | 0.000155        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000171U     | 0.00711      | 0.000171        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000235U     | 0.00711      | 0.000235        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.000862U     | 0.00711      | 0.000862        | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000201U     | 0.00711      | 0.000201        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.000660U     | 0.00711      | 0.000660        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00157U      | 0.00711      | 0.00157         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000128U     | 0.00711      | 0.000128        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000518U     | 0.00711      | 0.000518        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000164U     | 0.00711      | 0.000164        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000201U     | 0.00711      | 0.000201        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000294U     | 0.00711      | 0.000294        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000218U     | 0.00711      | 0.000218        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00217U      | 0.00711      | 0.00217         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000526U     | 0.00711      | 0.000526        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.000681U     | 0.014        | 0.000681        | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000535U     | 0.00711      | 0.000535        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000216U     | 0.00711      | 0.000216        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000273U     | 0.00711      | 0.000273        | mg/kg        |
| 108-88-3       | Toluene                        | 0.000782U     | 0.00711      | 0.000782        | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000252U     | 0.00711      | 0.000252        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000358U     | 0.00711      | 0.000358        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000267U     | 0.00711      | 0.000267        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000499U     | 0.00711      | 0.000499        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.000813U     | 0.014        | 0.000813        | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000179U     | 0.00711      | 0.000179        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.000105U     | 0.00711      | 0.000105        | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000233U     | 0.00711      | 0.000233        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804012104    | OMS-28-7 (0-5)   | Solid         | 03/26/2008 13:45         | 04/01/2008 11:41         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 03:33 | JCK       | 371628                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .063         | .064      | mg/kg | 101        | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .063         | .062      | mg/kg | 99         | 65 - 130   |
| 2037-26-5  | Toluene d8            | .063         | .065      | mg/kg | 103        | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .063         | .067      | mg/kg | 107        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804012105    | OMS-28-7 (5-10)  | Solid         | 03/26/2008 13:50         | 04/01/2008 11:41         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 03:55 | JCK       | 371628                  |

| CAS#           | Parameter                      | Result        | RDL          | MDL             | Units        |
|----------------|--------------------------------|---------------|--------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000199U     | 0.00808      | 0.000199        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000291U     | 0.00808      | 0.000291        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000184U     | 0.00808      | 0.000184        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000257U     | 0.00808      | 0.000257        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000580U     | 0.00808      | 0.000580        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000529U     | 0.00808      | 0.000529        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.00140U      | 0.00808      | 0.00140         | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000243U     | 0.00808      | 0.000243        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000184U     | 0.00808      | 0.000184        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000184U     | 0.00808      | 0.000184        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000181U     | 0.00808      | 0.000181        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000382U     | 0.00808      | 0.000382        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000681U     | 0.00808      | 0.000681        | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000504U     | 0.00808      | 0.000504        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.00134U      | 0.00808      | 0.00134         | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000280U     | 0.00808      | 0.000280        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.012J</b> | <b>0.040</b> | <b>0.000605</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000168U     | 0.00808      | 0.000168        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000218U     | 0.00808      | 0.000218        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000273U     | 0.00808      | 0.000273        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00243U      | 0.00808      | 0.00243         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000176U     | 0.00808      | 0.000176        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000194U     | 0.00808      | 0.000194        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000267U     | 0.00808      | 0.000267        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.000980U     | 0.00808      | 0.000980        | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000228U     | 0.00808      | 0.000228        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.000750U     | 0.00808      | 0.000750        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00179U      | 0.00808      | 0.00179         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000146U     | 0.00808      | 0.000146        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000589U     | 0.00808      | 0.000589        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000186U     | 0.00808      | 0.000186        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000228U     | 0.00808      | 0.000228        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000335U     | 0.00808      | 0.000335        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000247U     | 0.00808      | 0.000247        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00247U      | 0.00808      | 0.00247         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000598U     | 0.00808      | 0.000598        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.000775U     | 0.016        | 0.000775        | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000608U     | 0.00808      | 0.000608        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000246U     | 0.00808      | 0.000246        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000310U     | 0.00808      | 0.000310        | mg/kg        |
| 108-88-3       | Toluene                        | 0.000889U     | 0.00808      | 0.000889        | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000286U     | 0.00808      | 0.000286        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000407U     | 0.00808      | 0.000407        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000304U     | 0.00808      | 0.000304        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000568U     | 0.00808      | 0.000568        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.000925U     | 0.016        | 0.000925        | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000204U     | 0.00808      | 0.000204        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.000120U     | 0.00808      | 0.000120        | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000265U     | 0.00808      | 0.000265        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804012105    | OMS-28-7 (5-10)  | Solid         | 03/26/2008 13:50         | 04/01/2008 11:41         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 03:55 | JCK       | 371628                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .066         | .066      | mg/kg | 101        | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .066         | .065      | mg/kg | 98         | 65 - 130   |
| 2037-26-5  | Toluene d8            | .066         | .068      | mg/kg | 102        | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .066         | .071      | mg/kg | 108        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804012106    | OMS-28-7 (15-20) | Solid         | 03/26/2008 16:00         | 04/01/2008 11:41         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 03:18 | JCK       | 371628                  |

| CAS#           | Parameter                      | Result          | RDL          | MDL             | Units        |
|----------------|--------------------------------|-----------------|--------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000177U       | 0.00721      | 0.000177        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000260U       | 0.00721      | 0.000260        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000164U       | 0.00721      | 0.000164        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000229U       | 0.00721      | 0.000229        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000518U       | 0.00721      | 0.000518        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000472U       | 0.00721      | 0.000472        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.00125U        | 0.00721      | 0.00125         | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000216U       | 0.00721      | 0.000216        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000164U       | 0.00721      | 0.000164        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000164U       | 0.00721      | 0.000164        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000162U       | 0.00721      | 0.000162        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000340U       | 0.00721      | 0.000340        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000607U       | 0.00721      | 0.000607        | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000450U       | 0.00721      | 0.000450        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.00119U        | 0.00721      | 0.00119         | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000250U       | 0.00721      | 0.000250        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.00722J</b> | <b>0.036</b> | <b>0.000540</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000150U       | 0.00721      | 0.000150        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000195U       | 0.00721      | 0.000195        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000244U       | 0.00721      | 0.000244        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00217U        | 0.00721      | 0.00217         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000157U       | 0.00721      | 0.000157        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000173U       | 0.00721      | 0.000173        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000238U       | 0.00721      | 0.000238        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.000874U       | 0.00721      | 0.000874        | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000203U       | 0.00721      | 0.000203        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.000669U       | 0.00721      | 0.000669        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00160U        | 0.00721      | 0.00160         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000130U       | 0.00721      | 0.000130        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000525U       | 0.00721      | 0.000525        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000166U       | 0.00721      | 0.000166        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000203U       | 0.00721      | 0.000203        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000299U       | 0.00721      | 0.000299        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000221U       | 0.00721      | 0.000221        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00221U        | 0.00721      | 0.00221         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000534U       | 0.00721      | 0.000534        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.000691U       | 0.014        | 0.000691        | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000542U       | 0.00721      | 0.000542        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000219U       | 0.00721      | 0.000219        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000277U       | 0.00721      | 0.000277        | mg/kg        |
| 108-88-3       | Toluene                        | 0.000794U       | 0.00721      | 0.000794        | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000255U       | 0.00721      | 0.000255        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000364U       | 0.00721      | 0.000364        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000271U       | 0.00721      | 0.000271        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000506U       | 0.00721      | 0.000506        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.000825U       | 0.014        | 0.000825        | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000182U       | 0.00721      | 0.000182        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.000107U       | 0.00721      | 0.000107        | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000237U       | 0.00721      | 0.000237        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804012106    | OMS-28-7 (15-20) | Solid         | 03/26/2008 16:00         | 04/01/2008 11:41         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 03:18 | JCK       | 371628                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .06          | .064      | mg/kg | 107        | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .06          | .058      | mg/kg | 97         | 65 - 130   |
| 2037-26-5  | Toluene d8            | .06          | .06       | mg/kg | 100        | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .06          | .062      | mg/kg | 103        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID      | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|----------------|--------|-------------------|-------------------|
| 20804020101 | OMS-28-6 (0-5) | Solid  | 03/28/2008 11:00  | 04/02/2008 09:12  |

SW-846 8260B DOD Solid

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 04/06/2008 18:38 | JCK | 371626           |

| CAS#           | Parameter                      | Result          | RDL          | MDL             | Units        |
|----------------|--------------------------------|-----------------|--------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000180U       | 0.00732      | 0.000180        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000263U       | 0.00732      | 0.000263        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000167U       | 0.00732      | 0.000167        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000233U       | 0.00732      | 0.000233        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000525U       | 0.00732      | 0.000525        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000479U       | 0.00732      | 0.000479        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.00127U        | 0.00732      | 0.00127         | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000220U       | 0.00732      | 0.000220        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000167U       | 0.00732      | 0.000167        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000167U       | 0.00732      | 0.000167        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000164U       | 0.00732      | 0.000164        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000345U       | 0.00732      | 0.000345        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000616U       | 0.00732      | 0.000616        | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000457U       | 0.00732      | 0.000457        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.00121U        | 0.00732      | 0.00121         | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000253U       | 0.00732      | 0.000253        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.00625J</b> | <b>0.037</b> | <b>0.000547</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000152U       | 0.00732      | 0.000152        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000198U       | 0.00732      | 0.000198        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000247U       | 0.00732      | 0.000247        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00220U        | 0.00732      | 0.00220         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000160U       | 0.00732      | 0.000160        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000176U       | 0.00732      | 0.000176        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000241U       | 0.00732      | 0.000241        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.000887U       | 0.00732      | 0.000887        | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000206U       | 0.00732      | 0.000206        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.000679U       | 0.00732      | 0.000679        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00162U        | 0.00732      | 0.00162         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000132U       | 0.00732      | 0.000132        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000533U       | 0.00732      | 0.000533        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000168U       | 0.00732      | 0.000168        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000206U       | 0.00732      | 0.000206        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000303U       | 0.00732      | 0.000303        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000224U       | 0.00732      | 0.000224        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00224U        | 0.00732      | 0.00224         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000541U       | 0.00732      | 0.000541        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.000701U       | 0.015        | 0.000701        | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000550U       | 0.00732      | 0.000550        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000222U       | 0.00732      | 0.000222        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000281U       | 0.00732      | 0.000281        | mg/kg        |
| 108-88-3       | Toluene                        | 0.000805U       | 0.00732      | 0.000805        | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000259U       | 0.00732      | 0.000259        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000369U       | 0.00732      | 0.000369        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000275U       | 0.00732      | 0.000275        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000514U       | 0.00732      | 0.000514        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.000837U       | 0.015        | 0.000837        | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000184U       | 0.00732      | 0.000184        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.000108U       | 0.00732      | 0.000108        | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000240U       | 0.00732      | 0.000240        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804020101    | OMS-28-6 (0-5)   | Solid         | 03/28/2008 11:00         | 04/02/2008 09:12         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 18:38 | JCK       | 371626                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .06          | .059      | mg/kg | 98         | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .06          | .057      | mg/kg | 95         | 65 - 130   |
| 2037-26-5  | Toluene d8            | .06          | .061      | mg/kg | 101        | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .06          | .064      | mg/kg | 108        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804020102    | OMS-28-6 (5-10)  | Solid         | 03/28/2008 11:10         | 04/02/2008 09:12         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 19:00 | JCK       | 371626                  |

| CAS#           | Parameter                      | Result       | RDL            | MDL             | Units        |
|----------------|--------------------------------|--------------|----------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000142U    | 0.00577        | 0.000142        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000208U    | 0.00577        | 0.000208        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000132U    | 0.00577        | 0.000132        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000183U    | 0.00577        | 0.000183        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000414U    | 0.00577        | 0.000414        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000377U    | 0.00577        | 0.000377        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.000999U    | 0.00577        | 0.000999        | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000173U    | 0.00577        | 0.000173        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000132U    | 0.00577        | 0.000132        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000132U    | 0.00577        | 0.000132        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000129U    | 0.00577        | 0.000129        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000272U    | 0.00577        | 0.000272        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000486U    | 0.00577        | 0.000486        | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000360U    | 0.00577        | 0.000360        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.000953U    | 0.00577        | 0.000953        | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000200U    | 0.00577        | 0.000200        | mg/kg        |
| 67-64-1        | Acetone                        | 0.000431U    | 0.029          | 0.000431        | mg/kg        |
| 71-43-2        | Benzene                        | 0.000120U    | 0.00577        | 0.000120        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000156U    | 0.00577        | 0.000156        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000195U    | 0.00577        | 0.000195        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00174U     | 0.00577        | 0.00174         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000126U    | 0.00577        | 0.000126        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000138U    | 0.00577        | 0.000138        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000190U    | 0.00577        | 0.000190        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.000699U    | 0.00577        | 0.000699        | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000163U    | 0.00577        | 0.000163        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.000535U    | 0.00577        | 0.000535        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00128U     | 0.00577        | 0.00128         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000104U    | 0.00577        | 0.000104        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000420U    | 0.00577        | 0.000420        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000133U    | 0.00577        | 0.000133        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000163U    | 0.00577        | 0.000163        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000239U    | 0.00577        | 0.000239        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000177U    | 0.00577        | 0.000177        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00176U     | 0.00577        | 0.00176         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000427U    | 0.00577        | 0.000427        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.000553U    | 0.012          | 0.000553        | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000434U    | 0.00577        | 0.000434        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000175U    | 0.00577        | 0.000175        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000222U    | 0.00577        | 0.000222        | mg/kg        |
| 108-88-3       | Toluene                        | 0.000635U    | 0.00577        | 0.000635        | mg/kg        |
| <b>79-01-6</b> | <b>Trichloroethene</b>         | <b>0.076</b> | <b>0.00577</b> | <b>0.000204</b> | <b>mg/kg</b> |
| 75-69-4        | Trichlorofluoromethane         | 0.000291U    | 0.00577        | 0.000291        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000217U    | 0.00577        | 0.000217        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000405U    | 0.00577        | 0.000405        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.000660U    | 0.012          | 0.000660        | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000145U    | 0.00577        | 0.000145        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.0000854U   | 0.00577        | 0.0000854       | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000189U    | 0.00577        | 0.000189        | mg/kg        |

| GCAL ID     | Client ID       | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------------|--------|-------------------|-------------------|
| 20804020102 | OMS-28-6 (5-10) | Solid  | 03/28/2008 11:10  | 04/02/2008 09:12  |

SW-846 8260B DOD Solid

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 04/06/2008 19:00 | JCK | 371626           |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .046         | .048      | mg/kg | 106        | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .046         | .046      | mg/kg | 100        | 65 - 130   |
| 2037-26-5  | Toluene d8            | .046         | .048      | mg/kg | 105        | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .046         | .051      | mg/kg | 111        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804020103    | OMS-28-6 (10-15) | Solid         | 03/28/2008 11:15         | 04/02/2008 09:12         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 19:23 | JCK       | 371626                  |

| CAS#            | Parameter                      | Result          | RDL            | MDL             | Units        |
|-----------------|--------------------------------|-----------------|----------------|-----------------|--------------|
| 71-55-6         | 1,1,1-Trichloroethane          | 0.000167U       | 0.00681        | 0.000167        | mg/kg        |
| 79-34-5         | 1,1,2,2-Tetrachloroethane      | 0.000245U       | 0.00681        | 0.000245        | mg/kg        |
| 79-00-5         | 1,1,2-Trichloroethane          | 0.000155U       | 0.00681        | 0.000155        | mg/kg        |
| 75-34-3         | 1,1-Dichloroethane             | 0.000217U       | 0.00681        | 0.000217        | mg/kg        |
| 75-35-4         | 1,1-Dichloroethene             | 0.000489U       | 0.00681        | 0.000489        | mg/kg        |
| 120-82-1        | 1,2,4-Trichlorobenzene         | 0.000445U       | 0.00681        | 0.000445        | mg/kg        |
| 96-12-8         | 1,2-Dibromo-3-chloropropane    | 0.00118U        | 0.00681        | 0.00118         | mg/kg        |
| 106-93-4        | 1,2-Dibromoethane              | 0.000204U       | 0.00681        | 0.000204        | mg/kg        |
| 95-50-1         | 1,2-Dichlorobenzene            | 0.000155U       | 0.00681        | 0.000155        | mg/kg        |
| 107-06-2        | 1,2-Dichloroethane             | 0.000155U       | 0.00681        | 0.000155        | mg/kg        |
| 78-87-5         | 1,2-Dichloropropane            | 0.000153U       | 0.00681        | 0.000153        | mg/kg        |
| 541-73-1        | 1,3-Dichlorobenzene            | 0.000321U       | 0.00681        | 0.000321        | mg/kg        |
| 106-46-7        | 1,4-Dichlorobenzene            | 0.000573U       | 0.00681        | 0.000573        | mg/kg        |
| 78-93-3         | 2-Butanone                     | 0.000425U       | 0.00681        | 0.000425        | mg/kg        |
| 591-78-6        | 2-Hexanone                     | 0.00112U        | 0.00681        | 0.00112         | mg/kg        |
| 108-10-1        | 4-Methyl-2-pentanone           | 0.000236U       | 0.00681        | 0.000236        | mg/kg        |
| <b>67-64-1</b>  | <b>Acetone</b>                 | <b>0.037</b>    | <b>0.034</b>   | <b>0.000509</b> | <b>mg/kg</b> |
| 71-43-2         | Benzene                        | 0.000142U       | 0.00681        | 0.000142        | mg/kg        |
| 75-27-4         | Bromodichloromethane           | 0.000184U       | 0.00681        | 0.000184        | mg/kg        |
| 75-25-2         | Bromoform                      | 0.000230U       | 0.00681        | 0.000230        | mg/kg        |
| 74-83-9         | Bromomethane                   | 0.00205U        | 0.00681        | 0.00205         | mg/kg        |
| <b>75-15-0</b>  | <b>Carbon disulfide</b>        | <b>0.00342J</b> | <b>0.00681</b> | <b>0.000148</b> | <b>mg/kg</b> |
| 56-23-5         | Carbon tetrachloride           | 0.000163U       | 0.00681        | 0.000163        | mg/kg        |
| 108-90-7        | Chlorobenzene                  | 0.000225U       | 0.00681        | 0.000225        | mg/kg        |
| 75-00-3         | Chloroethane                   | 0.000825U       | 0.00681        | 0.000825        | mg/kg        |
| 67-66-3         | Chloroform                     | 0.000192U       | 0.00681        | 0.000192        | mg/kg        |
| 74-87-3         | Chloromethane                  | 0.000632U       | 0.00681        | 0.000632        | mg/kg        |
| 110-82-7        | Cyclohexane                    | 0.00151U        | 0.00681        | 0.00151         | mg/kg        |
| 124-48-1        | Dibromochloromethane           | 0.000123U       | 0.00681        | 0.000123        | mg/kg        |
| 75-71-8         | Dichlorodifluoromethane        | 0.000496U       | 0.00681        | 0.000496        | mg/kg        |
| 10061-01-5      | cis-1,3-Dichloropropene        | 0.000157U       | 0.00681        | 0.000157        | mg/kg        |
| 10061-02-6      | trans-1,3-Dichloropropene      | 0.000192U       | 0.00681        | 0.000192        | mg/kg        |
| 100-41-4        | Ethylbenzene                   | 0.000282U       | 0.00681        | 0.000282        | mg/kg        |
| 98-82-8         | Isopropylbenzene (Cumene)      | 0.000208U       | 0.00681        | 0.000208        | mg/kg        |
| <b>79-20-9</b>  | <b>Methyl Acetate</b>          | <b>0.022</b>    | <b>0.00681</b> | <b>0.00208</b>  | <b>mg/kg</b> |
| 108-87-2        | Methylcyclohexane              | 0.000504U       | 0.00681        | 0.000504        | mg/kg        |
| 75-09-2         | Methylene chloride             | 0.000652U       | 0.014          | 0.000652        | mg/kg        |
| 91-20-3         | Naphthalene                    | 0.000512U       | 0.00681        | 0.000512        | mg/kg        |
| 100-42-5        | Styrene                        | 0.000207U       | 0.00681        | 0.000207        | mg/kg        |
| 127-18-4        | Tetrachloroethene              | 0.000261U       | 0.00681        | 0.000261        | mg/kg        |
| 108-88-3        | Toluene                        | 0.000749U       | 0.00681        | 0.000749        | mg/kg        |
| 75-69-4         | Trichlorofluoromethane         | 0.000343U       | 0.00681        | 0.000343        | mg/kg        |
| 76-13-1         | Trichlorotrifluoroethane       | 0.000256U       | 0.00681        | 0.000256        | mg/kg        |
| 75-01-4         | Vinyl chloride                 | 0.000478U       | 0.00681        | 0.000478        | mg/kg        |
| 1330-20-7       | Xylene (total)                 | 0.000779U       | 0.014          | 0.000779        | mg/kg        |
| <b>156-59-2</b> | <b>cis-1,2-Dichloroethene</b>  | <b>0.00709</b>  | <b>0.00681</b> | <b>0.000172</b> | <b>mg/kg</b> |
| 1634-04-4       | tert-Butyl methyl ether (MTBE) | 0.000101U       | 0.00681        | 0.000101        | mg/kg        |
| 156-60-5        | trans-1,2-Dichloroethene       | 0.000223U       | 0.00681        | 0.000223        | mg/kg        |

| GCAL ID     | Client ID        | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------------|--------|-------------------|-------------------|
| 20804020103 | OMS-28-6 (10-15) | Solid  | 03/28/2008 11:15  | 04/02/2008 09:12  |

SW-846 8260B DOD Solid

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 04/06/2008 19:23 | JCK | 371626           |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .052         | .047      | mg/kg | 89         | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .052         | .049      | mg/kg | 93         | 65 - 130   |
| 2037-26-5  | Toluene d8            | .052         | .055      | mg/kg | 105        | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .052         | .054      | mg/kg | 103        | 62 - 125   |

SW-846 8260B DOD Solid

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 50       | 04/07/2008 02:35 | ADI | 371712           |

| CAS#           | Parameter              | Result        | RDL          | MDL            | Units        |
|----------------|------------------------|---------------|--------------|----------------|--------------|
| <b>79-01-6</b> | <b>Trichloroethene</b> | <b>0.107J</b> | <b>0.255</b> | <b>0.00904</b> | <b>mg/kg</b> |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | 1.97         | 1.99      | mg/kg | 101        | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | 1.97         | 2.25      | mg/kg | 114        | 65 - 130   |
| 2037-26-5  | Toluene d8            | 1.97         | 2.13      | mg/kg | 108        | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 1.97         | 2.35      | mg/kg | 120        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

|                               |                                      |                        |  |  |
|-------------------------------|--------------------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20804020104 | <b>Client ID</b><br>OMS-28-6 (70-75) | <b>Matrix</b><br>Solid | <b>Collect Date/Time</b><br>03/28/2008 12:40 | <b>Receive Date/Time</b><br>04/02/2008 09:12 |
|-------------------------------|--------------------------------------|------------------------|--|--|

SW-846 8260B DOD Solid

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>04/06/2008 20:30 | <b>By</b><br>JCK | <b>Analytical Batch</b><br>371626 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#           | Parameter                      | Result          | RDL          | MDL             | Units        |
|----------------|--------------------------------|-----------------|--------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000126U       | 0.00511      | 0.000126        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000184U       | 0.00511      | 0.000184        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000117U       | 0.00511      | 0.000117        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000163U       | 0.00511      | 0.000163        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000367U       | 0.00511      | 0.000367        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000334U       | 0.00511      | 0.000334        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.000885U       | 0.00511      | 0.000885        | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000153U       | 0.00511      | 0.000153        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000117U       | 0.00511      | 0.000117        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000117U       | 0.00511      | 0.000117        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000115U       | 0.00511      | 0.000115        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000241U       | 0.00511      | 0.000241        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000430U       | 0.00511      | 0.000430        | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000319U       | 0.00511      | 0.000319        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.000845U       | 0.00511      | 0.000845        | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000177U       | 0.00511      | 0.000177        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.00505J</b> | <b>0.026</b> | <b>0.000382</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000106U       | 0.00511      | 0.000106        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000138U       | 0.00511      | 0.000138        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000173U       | 0.00511      | 0.000173        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00154U        | 0.00511      | 0.00154         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000111U       | 0.00511      | 0.000111        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000123U       | 0.00511      | 0.000123        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000169U       | 0.00511      | 0.000169        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.000620U       | 0.00511      | 0.000620        | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000144U       | 0.00511      | 0.000144        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.000474U       | 0.00511      | 0.000474        | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00113U        | 0.00511      | 0.00113         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.0000920U      | 0.00511      | 0.0000920       | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000372U       | 0.00511      | 0.000372        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000118U       | 0.00511      | 0.000118        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000144U       | 0.00511      | 0.000144        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000212U       | 0.00511      | 0.000212        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000156U       | 0.00511      | 0.000156        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00156U        | 0.00511      | 0.00156         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000378U       | 0.00511      | 0.000378        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.000490U       | 0.010        | 0.000490        | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000384U       | 0.00511      | 0.000384        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000155U       | 0.00511      | 0.000155        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000196U       | 0.00511      | 0.000196        | mg/kg        |
| 108-88-3       | Toluene                        | 0.000562U       | 0.00511      | 0.000562        | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000181U       | 0.00511      | 0.000181        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000258U       | 0.00511      | 0.000258        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000192U       | 0.00511      | 0.000192        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000359U       | 0.00511      | 0.000359        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.000585U       | 0.010        | 0.000585        | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000129U       | 0.00511      | 0.000129        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.0000757U      | 0.00511      | 0.0000757       | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000168U       | 0.00511      | 0.000168        | mg/kg        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804020104    | OMS-28-6 (70-75) | Solid         | 03/28/2008 12:40         | 04/02/2008 09:12         |

SW-846 8260B DOD Solid

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/06/2008 20:30 | JCK       | 371626                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .04          | .039      | mg/kg | 96         | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .04          | .039      | mg/kg | 98         | 65 - 130   |
| 2037-26-5  | Toluene d8            | .04          | .041      | mg/kg | 101        | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .04          | .042      | mg/kg | 105        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

|                               |                         |                        |  |  |
|-------------------------------|-------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20804020105 | <b>Client ID</b><br>IDW | <b>Matrix</b><br>Solid | <b>Collect Date/Time</b><br>03/28/2008 17:00 | <b>Receive Date/Time</b><br>04/02/2008 09:12 |
|-------------------------------|-------------------------|------------------------|--|--|

SW-846 8260B DOD Solid

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>04/06/2008 20:08 | <b>By</b><br>JCK | <b>Analytical Batch</b><br>371626 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#           | Parameter                      | Result        | RDL          | MDL             | Units        |
|----------------|--------------------------------|---------------|--------------|-----------------|--------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000320U     | 0.013        | 0.000320        | mg/kg        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000469U     | 0.013        | 0.000469        | mg/kg        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000297U     | 0.013        | 0.000297        | mg/kg        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000414U     | 0.013        | 0.000414        | mg/kg        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000935U     | 0.013        | 0.000935        | mg/kg        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000852U     | 0.013        | 0.000852        | mg/kg        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.00226U      | 0.013        | 0.00226         | mg/kg        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000391U     | 0.013        | 0.000391        | mg/kg        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000297U     | 0.013        | 0.000297        | mg/kg        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000297U     | 0.013        | 0.000297        | mg/kg        |
| 78-87-5        | 1,2-Dichloropropane            | 0.000292U     | 0.013        | 0.000292        | mg/kg        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000615U     | 0.013        | 0.000615        | mg/kg        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.00110U      | 0.013        | 0.00110         | mg/kg        |
| 78-93-3        | 2-Butanone                     | 0.000813U     | 0.013        | 0.000813        | mg/kg        |
| 591-78-6       | 2-Hexanone                     | 0.00215U      | 0.013        | 0.00215         | mg/kg        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000451U     | 0.013        | 0.000451        | mg/kg        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.040J</b> | <b>0.065</b> | <b>0.000974</b> | <b>mg/kg</b> |
| 71-43-2        | Benzene                        | 0.000271U     | 0.013        | 0.000271        | mg/kg        |
| 75-27-4        | Bromodichloromethane           | 0.000352U     | 0.013        | 0.000352        | mg/kg        |
| 75-25-2        | Bromoform                      | 0.000440U     | 0.013        | 0.000440        | mg/kg        |
| 74-83-9        | Bromomethane                   | 0.00392U      | 0.013        | 0.00392         | mg/kg        |
| 75-15-0        | Carbon disulfide               | 0.000284U     | 0.013        | 0.000284        | mg/kg        |
| 56-23-5        | Carbon tetrachloride           | 0.000313U     | 0.013        | 0.000313        | mg/kg        |
| 108-90-7       | Chlorobenzene                  | 0.000430U     | 0.013        | 0.000430        | mg/kg        |
| 75-00-3        | Chloroethane                   | 0.00158U      | 0.013        | 0.00158         | mg/kg        |
| 67-66-3        | Chloroform                     | 0.000367U     | 0.013        | 0.000367        | mg/kg        |
| 74-87-3        | Chloromethane                  | 0.00121U      | 0.013        | 0.00121         | mg/kg        |
| 110-82-7       | Cyclohexane                    | 0.00288U      | 0.013        | 0.00288         | mg/kg        |
| 124-48-1       | Dibromochloromethane           | 0.000234U     | 0.013        | 0.000234        | mg/kg        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000948U     | 0.013        | 0.000948        | mg/kg        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.000299U     | 0.013        | 0.000299        | mg/kg        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000367U     | 0.013        | 0.000367        | mg/kg        |
| 100-41-4       | Ethylbenzene                   | 0.000539U     | 0.013        | 0.000539        | mg/kg        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.000398U     | 0.013        | 0.000398        | mg/kg        |
| 79-20-9        | Methyl Acetate                 | 0.00398U      | 0.013        | 0.00398         | mg/kg        |
| 108-87-2       | Methylcyclohexane              | 0.000964U     | 0.013        | 0.000964        | mg/kg        |
| 75-09-2        | Methylene chloride             | 0.00125U      | 0.026        | 0.00125         | mg/kg        |
| 91-20-3        | Naphthalene                    | 0.000979U     | 0.013        | 0.000979        | mg/kg        |
| 100-42-5       | Styrene                        | 0.000396U     | 0.013        | 0.000396        | mg/kg        |
| 127-18-4       | Tetrachloroethene              | 0.000500U     | 0.013        | 0.000500        | mg/kg        |
| 108-88-3       | Toluene                        | 0.00143U      | 0.013        | 0.00143         | mg/kg        |
| 79-01-6        | Trichloroethene                | 0.000461U     | 0.013        | 0.000461        | mg/kg        |
| 75-69-4        | Trichlorofluoromethane         | 0.000656U     | 0.013        | 0.000656        | mg/kg        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000490U     | 0.013        | 0.000490        | mg/kg        |
| 75-01-4        | Vinyl chloride                 | 0.000914U     | 0.013        | 0.000914        | mg/kg        |
| 1330-20-7      | Xylene (total)                 | 0.00149U      | 0.026        | 0.00149         | mg/kg        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000328U     | 0.013        | 0.000328        | mg/kg        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.000193U     | 0.013        | 0.000193        | mg/kg        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000427U     | 0.013        | 0.000427        | mg/kg        |

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20804020105 | IDW       | Solid  | 03/28/2008 17:00  | 04/02/2008 09:12  |

SW-846 8260B DOD Solid

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 04/06/2008 20:08 | JCK | 371626           |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .106         | .103      | mg/kg | 97         | 85 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .106         | .102      | mg/kg | 96         | 65 - 130   |
| 2037-26-5  | Toluene d8            | .106         | .105      | mg/kg | 99         | 85 - 115   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .106         | .112      | mg/kg | 105        | 62 - 125   |

RESULTS REPORTED ON A DRY WEIGHT BASIS

| GCAL ID     | Client ID  | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------|--------|-------------------|-------------------|
| 20804020106 | IDW (TCLP) | Solid  | 03/28/2008 17:00  | 04/02/2008 09:12  |

SW-846 8260B TCLP

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 40       | 04/07/2008 14:37 | AEL | 370779           |

| CAS#           | Parameter            | Result        | RDL          | MDL            | Units       |
|----------------|----------------------|---------------|--------------|----------------|-------------|
| 75-35-4        | 1,1-Dichloroethene   | 0.00916U      | 0.200        | 0.00916        | mg/L        |
| 107-06-2       | 1,2-Dichloroethane   | 0.00820U      | 0.200        | 0.00820        | mg/L        |
| 78-93-3        | 2-Butanone           | 0.017U        | 0.200        | 0.017          | mg/L        |
| <b>71-43-2</b> | <b>Benzene</b>       | <b>0.055J</b> | <b>0.200</b> | <b>0.00900</b> | <b>mg/L</b> |
| 56-23-5        | Carbon tetrachloride | 0.00512U      | 0.200        | 0.00512        | mg/L        |
| 108-90-7       | Chlorobenzene        | 0.00852U      | 0.200        | 0.00852        | mg/L        |
| 67-66-3        | Chloroform           | 0.00776U      | 0.200        | 0.00776        | mg/L        |
| 127-18-4       | Tetrachloroethene    | 0.00908U      | 0.200        | 0.00908        | mg/L        |
| 79-01-6        | Trichloroethene      | 0.011U        | 0.200        | 0.011          | mg/L        |
| 75-01-4        | Vinyl chloride       | 0.00356U      | 0.200        | 0.00356        | mg/L        |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | 2000         | 1900      | ug/L  | 95         | 62 - 130   |
| 1868-53-7  | Dibromofluoromethane  | 2000         | 2260      | ug/L  | 113        | 65 - 127   |
| 2037-26-5  | Toluene d8            | 2000         | 2240      | ug/L  | 112        | 71 - 134   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 2000         | 2280      | ug/L  | 114        | 62 - 127   |

RESULTS REPORTED ON A WET WEIGHT BASIS

|                               |                                |                        |  |  |
|-------------------------------|--------------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20804020107 | <b>Client ID</b><br>RINSATE #1 | <b>Matrix</b><br>Water | <b>Collect Date/Time</b><br>03/28/2008 16:40 | <b>Receive Date/Time</b><br>04/02/2008 06:32 |
|-------------------------------|--------------------------------|------------------------|--|--|

SW-846 8260B DOD Water

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>04/08/2008 19:44 | <b>By</b><br>ADI | <b>Analytical Batch</b><br>371633 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#           | Parameter                      | Result           | RDL          | MDL             | Units       |
|----------------|--------------------------------|------------------|--------------|-----------------|-------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000155U        | 0.00500      | 0.000155        | mg/L        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000156U        | 0.00500      | 0.000156        | mg/L        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.0000677U       | 0.00500      | 0.0000677       | mg/L        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000125U        | 0.00500      | 0.000125        | mg/L        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000226U        | 0.00500      | 0.000226        | mg/L        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000413U        | 0.00500      | 0.000413        | mg/L        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.000181U        | 0.00500      | 0.000181        | mg/L        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000101U        | 0.00500      | 0.000101        | mg/L        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000112U        | 0.00500      | 0.000112        | mg/L        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000184U        | 0.00500      | 0.000184        | mg/L        |
| 78-87-5        | 1,2-Dichloropropane            | 0.0000997U       | 0.00500      | 0.0000997       | mg/L        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000134U        | 0.00500      | 0.000134        | mg/L        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000162U        | 0.00500      | 0.000162        | mg/L        |
| 78-93-3        | 2-Butanone                     | 0.000361U        | 0.00500      | 0.000361        | mg/L        |
| 591-78-6       | 2-Hexanone                     | 0.000151U        | 0.00500      | 0.000151        | mg/L        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.0000882U       | 0.00500      | 0.0000882       | mg/L        |
| 67-64-1        | Acetone                        | 0.000690U        | 0.025        | 0.000690        | mg/L        |
| 71-43-2        | Benzene                        | 0.000184U        | 0.00500      | 0.000184        | mg/L        |
| 75-27-4        | Bromodichloromethane           | 0.0000796U       | 0.00500      | 0.0000796       | mg/L        |
| 75-25-2        | Bromoform                      | 0.0000655U       | 0.00500      | 0.0000655       | mg/L        |
| 74-83-9        | Bromomethane                   | 0.000252U        | 0.00500      | 0.000252        | mg/L        |
| 75-15-0        | Carbon disulfide               | 0.0000997U       | 0.00500      | 0.0000997       | mg/L        |
| 56-23-5        | Carbon tetrachloride           | 0.000124U        | 0.00500      | 0.000124        | mg/L        |
| 108-90-7       | Chlorobenzene                  | 0.0000510U       | 0.00500      | 0.0000510       | mg/L        |
| 75-00-3        | Chloroethane                   | 0.0000607U       | 0.00500      | 0.0000607       | mg/L        |
| 67-66-3        | Chloroform                     | 0.0000629U       | 0.00500      | 0.0000629       | mg/L        |
| 74-87-3        | Chloromethane                  | 0.000244U        | 0.00500      | 0.000244        | mg/L        |
| 110-82-7       | Cyclohexane                    | 0.000101U        | 0.00500      | 0.000101        | mg/L        |
| 124-48-1       | Dibromochloromethane           | 0.0000504U       | 0.00500      | 0.0000504       | mg/L        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000168U        | 0.00500      | 0.000168        | mg/L        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.0000648U       | 0.00500      | 0.0000648       | mg/L        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000101U        | 0.00500      | 0.000101        | mg/L        |
| 100-41-4       | Ethylbenzene                   | 0.0000773U       | 0.00500      | 0.0000773       | mg/L        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.0000500U       | 0.00500      | 0.0000500       | mg/L        |
| 79-20-9        | Methyl Acetate                 | 0.000431U        | 0.00500      | 0.000431        | mg/L        |
| 108-87-2       | Methylcyclohexane              | 0.000201U        | 0.00500      | 0.000201        | mg/L        |
| <b>75-09-2</b> | <b>Methylene chloride</b>      | <b>0.000202J</b> | <b>0.010</b> | <b>0.000104</b> | <b>mg/L</b> |
| 91-20-3        | Naphthalene                    | 0.369U           | 5.00         | 0.369           | ug/L        |
| 100-42-5       | Styrene                        | 0.0000500U       | 0.00500      | 0.0000500       | mg/L        |
| 127-18-4       | Tetrachloroethene              | 0.0000805U       | 0.00500      | 0.0000805       | mg/L        |
| 108-88-3       | Toluene                        | 0.0000932U       | 0.00500      | 0.0000932       | mg/L        |
| 79-01-6        | Trichloroethene                | 0.000123U        | 0.00500      | 0.000123        | mg/L        |
| 75-69-4        | Trichlorofluoromethane         | 0.000141U        | 0.00500      | 0.000141        | mg/L        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000168U        | 0.00500      | 0.000168        | mg/L        |
| 75-01-4        | Vinyl chloride                 | 0.000163U        | 0.00500      | 0.000163        | mg/L        |
| 1330-20-7      | Xylene (total)                 | 0.000535U        | 0.010        | 0.000535        | mg/L        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000154U        | 0.00500      | 0.000154        | mg/L        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.000110U        | 0.00500      | 0.000110        | mg/L        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000113U        | 0.00500      | 0.000113        | mg/L        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804020107    | RINSATE #1       | Water         | 03/28/2008 16:40         | 04/02/2008 06:32         |

SW-846 8260B DOD Water

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/08/2008 19:44 | ADI       | 371633                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .049      | mg/L  | 98         | 76 - 119   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .05       | mg/L  | 101        | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .052      | mg/L  | 105        | 81 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .051      | mg/L  | 101        | 72 - 119   |

| GCAL ID     | Client ID  | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------|--------|-------------------|-------------------|
| 20804020108 | RINSATE #2 | Water  | 03/28/2008 16:45  | 04/02/2008 06:32  |

## SW-846 8260B DOD Water

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 04/08/2008 20:06 | ADI | 371633           |

| CAS#           | Parameter                      | Result           | RDL          | MDL             | Units       |
|----------------|--------------------------------|------------------|--------------|-----------------|-------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000155U        | 0.00500      | 0.000155        | mg/L        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000156U        | 0.00500      | 0.000156        | mg/L        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.0000677U       | 0.00500      | 0.0000677       | mg/L        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000125U        | 0.00500      | 0.000125        | mg/L        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000226U        | 0.00500      | 0.000226        | mg/L        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000413U        | 0.00500      | 0.000413        | mg/L        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.000181U        | 0.00500      | 0.000181        | mg/L        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000101U        | 0.00500      | 0.000101        | mg/L        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000112U        | 0.00500      | 0.000112        | mg/L        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000184U        | 0.00500      | 0.000184        | mg/L        |
| 78-87-5        | 1,2-Dichloropropane            | 0.0000997U       | 0.00500      | 0.0000997       | mg/L        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000134U        | 0.00500      | 0.000134        | mg/L        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000162U        | 0.00500      | 0.000162        | mg/L        |
| 78-93-3        | 2-Butanone                     | 0.000361U        | 0.00500      | 0.000361        | mg/L        |
| 591-78-6       | 2-Hexanone                     | 0.000151U        | 0.00500      | 0.000151        | mg/L        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.0000882U       | 0.00500      | 0.0000882       | mg/L        |
| 67-64-1        | Acetone                        | 0.000690U        | 0.025        | 0.000690        | mg/L        |
| 71-43-2        | Benzene                        | 0.000184U        | 0.00500      | 0.000184        | mg/L        |
| 75-27-4        | Bromodichloromethane           | 0.0000796U       | 0.00500      | 0.0000796       | mg/L        |
| 75-25-2        | Bromoform                      | 0.0000655U       | 0.00500      | 0.0000655       | mg/L        |
| 74-83-9        | Bromomethane                   | 0.000252U        | 0.00500      | 0.000252        | mg/L        |
| 75-15-0        | Carbon disulfide               | 0.0000997U       | 0.00500      | 0.0000997       | mg/L        |
| 56-23-5        | Carbon tetrachloride           | 0.000124U        | 0.00500      | 0.000124        | mg/L        |
| 108-90-7       | Chlorobenzene                  | 0.0000510U       | 0.00500      | 0.0000510       | mg/L        |
| 75-00-3        | Chloroethane                   | 0.0000607U       | 0.00500      | 0.0000607       | mg/L        |
| 67-66-3        | Chloroform                     | 0.0000629U       | 0.00500      | 0.0000629       | mg/L        |
| 74-87-3        | Chloromethane                  | 0.000244U        | 0.00500      | 0.000244        | mg/L        |
| 110-82-7       | Cyclohexane                    | 0.000101U        | 0.00500      | 0.000101        | mg/L        |
| 124-48-1       | Dibromochloromethane           | 0.0000504U       | 0.00500      | 0.0000504       | mg/L        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000168U        | 0.00500      | 0.000168        | mg/L        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.0000648U       | 0.00500      | 0.0000648       | mg/L        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000101U        | 0.00500      | 0.000101        | mg/L        |
| 100-41-4       | Ethylbenzene                   | 0.0000773U       | 0.00500      | 0.0000773       | mg/L        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.0000500U       | 0.00500      | 0.0000500       | mg/L        |
| 79-20-9        | Methyl Acetate                 | 0.000431U        | 0.00500      | 0.000431        | mg/L        |
| 108-87-2       | Methylcyclohexane              | 0.000201U        | 0.00500      | 0.000201        | mg/L        |
| <b>75-09-2</b> | <b>Methylene chloride</b>      | <b>0.000240J</b> | <b>0.010</b> | <b>0.000104</b> | <b>mg/L</b> |
| 91-20-3        | Naphthalene                    | 0.369U           | 5.00         | 0.369           | ug/L        |
| 100-42-5       | Styrene                        | 0.0000500U       | 0.00500      | 0.0000500       | mg/L        |
| 127-18-4       | Tetrachloroethene              | 0.0000805U       | 0.00500      | 0.0000805       | mg/L        |
| 108-88-3       | Toluene                        | 0.0000932U       | 0.00500      | 0.0000932       | mg/L        |
| 79-01-6        | Trichloroethene                | 0.000123U        | 0.00500      | 0.000123        | mg/L        |
| 75-69-4        | Trichlorofluoromethane         | 0.000141U        | 0.00500      | 0.000141        | mg/L        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000168U        | 0.00500      | 0.000168        | mg/L        |
| 75-01-4        | Vinyl chloride                 | 0.000163U        | 0.00500      | 0.000163        | mg/L        |
| 1330-20-7      | Xylene (total)                 | 0.000535U        | 0.010        | 0.000535        | mg/L        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000154U        | 0.00500      | 0.000154        | mg/L        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.000110U        | 0.00500      | 0.000110        | mg/L        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000113U        | 0.00500      | 0.000113        | mg/L        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804020108    | RINSATE #2       | Water         | 03/28/2008 16:45         | 04/02/2008 06:32         |

SW-846 8260B DOD Water

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/08/2008 20:06 | ADI       | 371633                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .049      | mg/L  | 98         | 76 - 119   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .051      | mg/L  | 102        | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .053      | mg/L  | 105        | 81 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .05       | mg/L  | 100        | 72 - 119   |

| GCAL ID     | Client ID  | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------|--------|-------------------|-------------------|
| 20804020109 | RINSATE #3 | Water  | 03/28/2008 16:50  | 04/02/2008 06:32  |

## SW-846 8260B DOD Water

| Prep Date | Prep Batch | Prep Method | Dilution | Analyzed         | By  | Analytical Batch |
|-----------|------------|-------------|----------|------------------|-----|------------------|
|           |            |             | 1        | 04/08/2008 20:28 | ADI | 371633           |

| CAS#           | Parameter                      | Result           | RDL          | MDL             | Units       |
|----------------|--------------------------------|------------------|--------------|-----------------|-------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.000155U        | 0.00500      | 0.000155        | mg/L        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000156U        | 0.00500      | 0.000156        | mg/L        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.0000677U       | 0.00500      | 0.0000677       | mg/L        |
| 75-34-3        | 1,1-Dichloroethane             | 0.000125U        | 0.00500      | 0.000125        | mg/L        |
| 75-35-4        | 1,1-Dichloroethene             | 0.000226U        | 0.00500      | 0.000226        | mg/L        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000413U        | 0.00500      | 0.000413        | mg/L        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.000181U        | 0.00500      | 0.000181        | mg/L        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000101U        | 0.00500      | 0.000101        | mg/L        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000112U        | 0.00500      | 0.000112        | mg/L        |
| 107-06-2       | 1,2-Dichloroethane             | 0.000184U        | 0.00500      | 0.000184        | mg/L        |
| 78-87-5        | 1,2-Dichloropropane            | 0.0000997U       | 0.00500      | 0.0000997       | mg/L        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.000134U        | 0.00500      | 0.000134        | mg/L        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.000162U        | 0.00500      | 0.000162        | mg/L        |
| 78-93-3        | 2-Butanone                     | 0.000361U        | 0.00500      | 0.000361        | mg/L        |
| 591-78-6       | 2-Hexanone                     | 0.000151U        | 0.00500      | 0.000151        | mg/L        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.0000882U       | 0.00500      | 0.0000882       | mg/L        |
| 67-64-1        | Acetone                        | 0.000690U        | 0.025        | 0.000690        | mg/L        |
| 71-43-2        | Benzene                        | 0.000184U        | 0.00500      | 0.000184        | mg/L        |
| 75-27-4        | Bromodichloromethane           | 0.0000796U       | 0.00500      | 0.0000796       | mg/L        |
| 75-25-2        | Bromoform                      | 0.0000655U       | 0.00500      | 0.0000655       | mg/L        |
| 74-83-9        | Bromomethane                   | 0.000252U        | 0.00500      | 0.000252        | mg/L        |
| 75-15-0        | Carbon disulfide               | 0.0000997U       | 0.00500      | 0.0000997       | mg/L        |
| 56-23-5        | Carbon tetrachloride           | 0.000124U        | 0.00500      | 0.000124        | mg/L        |
| 108-90-7       | Chlorobenzene                  | 0.0000510U       | 0.00500      | 0.0000510       | mg/L        |
| 75-00-3        | Chloroethane                   | 0.0000607U       | 0.00500      | 0.0000607       | mg/L        |
| 67-66-3        | Chloroform                     | 0.0000629U       | 0.00500      | 0.0000629       | mg/L        |
| 74-87-3        | Chloromethane                  | 0.000244U        | 0.00500      | 0.000244        | mg/L        |
| 110-82-7       | Cyclohexane                    | 0.000101U        | 0.00500      | 0.000101        | mg/L        |
| 124-48-1       | Dibromochloromethane           | 0.0000504U       | 0.00500      | 0.0000504       | mg/L        |
| 75-71-8        | Dichlorodifluoromethane        | 0.000168U        | 0.00500      | 0.000168        | mg/L        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.0000648U       | 0.00500      | 0.0000648       | mg/L        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.000101U        | 0.00500      | 0.000101        | mg/L        |
| 100-41-4       | Ethylbenzene                   | 0.0000773U       | 0.00500      | 0.0000773       | mg/L        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.0000500U       | 0.00500      | 0.0000500       | mg/L        |
| 79-20-9        | Methyl Acetate                 | 0.000431U        | 0.00500      | 0.000431        | mg/L        |
| 108-87-2       | Methylcyclohexane              | 0.000201U        | 0.00500      | 0.000201        | mg/L        |
| <b>75-09-2</b> | <b>Methylene chloride</b>      | <b>0.000243J</b> | <b>0.010</b> | <b>0.000104</b> | <b>mg/L</b> |
| 91-20-3        | Naphthalene                    | 0.369U           | 5.00         | 0.369           | ug/L        |
| 100-42-5       | Styrene                        | 0.0000500U       | 0.00500      | 0.0000500       | mg/L        |
| 127-18-4       | Tetrachloroethene              | 0.0000805U       | 0.00500      | 0.0000805       | mg/L        |
| 108-88-3       | Toluene                        | 0.0000932U       | 0.00500      | 0.0000932       | mg/L        |
| 79-01-6        | Trichloroethene                | 0.000123U        | 0.00500      | 0.000123        | mg/L        |
| 75-69-4        | Trichlorofluoromethane         | 0.000141U        | 0.00500      | 0.000141        | mg/L        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000168U        | 0.00500      | 0.000168        | mg/L        |
| 75-01-4        | Vinyl chloride                 | 0.000163U        | 0.00500      | 0.000163        | mg/L        |
| 1330-20-7      | Xylene (total)                 | 0.000535U        | 0.010        | 0.000535        | mg/L        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.000154U        | 0.00500      | 0.000154        | mg/L        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.000110U        | 0.00500      | 0.000110        | mg/L        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.000113U        | 0.00500      | 0.000113        | mg/L        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20804020109    | RINSATE #3       | Water         | 03/28/2008 16:50         | 04/02/2008 06:32         |

SW-846 8260B DOD Water

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 04/08/2008 20:28 | ADI       | 371633                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .049      | mg/L  | 98         | 76 - 119   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .052      | mg/L  | 104        | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .053      | mg/L  | 107        | 81 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .05       | mg/L  | 101        | 72 - 119   |

# GC/MS Volatiles Quality Control Summary

| Analytical Batch 371626<br>Prep Batch N/A |                             | Client ID MB371626<br>GCAL ID 595446<br>Sample Type Method Blank<br>Analytical Date 04/06/2008 12:21<br>Matrix Solid |              | LCS371626<br>595447<br>LCS<br>04/06/2008 11:13<br>Solid |        |     | LCSD371626<br>595510<br>LCSD<br>04/06/2008 11:36<br>Solid |        |     |     |              |
|---|-----------------------------|--|--------------|---|--------|-----|---|--------|-----|-----|--------------|
| SW-846 8260B DOD Solid                    |                             | Units<br>Result  | mg/kg<br>RDL | Spike<br>Added  | Result | % R | Control<br>Limits % R                                     | Result | % R | RPD | RPD<br>Limit |
| 67-64-1                                   | Acetone                     | 0.000374U  | 0.000374     | 0.025   | 0.027  | 106 | 20 - 160  | 0.023  | 90  | 16  | 30           |
| 75-27-4                                   | Bromodichloromethane        | 0.000135U  | 0.000135     | 0.025   | 0.026  | 104 | 70 - 130  | 0.025  | 99  | 4   | 30           |
| 75-25-2                                   | Bromoform                   | 0.000169U  | 0.000169     | 0.025   | 0.026  | 102 | 55 - 135  | 0.025  | 101 | 4   | 30           |
| 74-83-9                                   | Bromomethane                | 0.00151U   | 0.00151      | 0.025   | 0.027  | 107 | 30 - 160  | 0.027  | 108 | 0   | 30           |
| 75-15-0                                   | Carbon disulfide            | 0.000109U  | 0.000109     | 0.025   | 0.026  | 104 | 45 - 160  | 0.025  | 99  | 4   | 30           |
| 56-23-5                                   | Carbon tetrachloride        | 0.000120U  | 0.000120     | 0.025   | 0.028  | 114 | 65 - 135  | 0.028  | 112 | 0   | 30           |
| 75-00-3                                   | Chloroethane                | 0.000606U  | 0.000606     | 0.025   | 0.025  | 100 | 40 - 155  | 0.023  | 92  | 8   | 30           |
| 67-66-3                                   | Chloroform                  | 0.000141U  | 0.000141     | 0.025   | 0.026  | 103 | 70 - 125  | 0.025  | 100 | 4   | 30           |
| 74-87-3                                   | Chloromethane               | 0.000464U  | 0.000464     | 0.025   | 0.026  | 102 | 50 - 130  | 0.025  | 98  | 4   | 30           |
| 124-48-1                                  | Dibromochloromethane        | 0.000900U  | 0.000900     | 0.025   | 0.026  | 105 | 65 - 130  | 0.026  | 104 | 0   | 30           |
| 75-71-8                                   | Dichlorodifluoromethane     | 0.000364U  | 0.000364     | 0.025   | 0.026  | 104 | 35 - 135  | 0.025  | 100 | 4   | 30           |
| 75-34-3                                   | 1,1-Dichloroethane          | 0.000159U  | 0.000159     | 0.025   | 0.028  | 112 | 75 - 125  | 0.027  | 107 | 4   | 30           |
| 107-06-2                                  | 1,2-Dichloroethane          | 0.000114U  | 0.000114     | 0.025   | 0.026  | 102 | 70 - 135  | 0.025  | 98  | 4   | 30           |
| 156-59-2                                  | cis-1,2-Dichloroethene      | 0.000126U  | 0.000126     | 0.025   | 0.025  | 101 | 65 - 125  | 0.024  | 95  | 4   | 30           |
| 156-60-5                                  | trans-1,2-Dichloroethene    | 0.000164U  | 0.000164     | 0.025   | 0.025  | 100 | 65 - 135  | 0.024  | 97  | 4   | 30           |
| 75-09-2                                   | Methylene chloride          | 0.000479U  | 0.000479     | 0.025   | 0.024  | 94  | 55 - 140  | 0.023  | 91  | 4   | 30           |
| 78-87-5                                   | 1,2-Dichloropropane         | 0.000112U  | 0.000112     | 0.025   | 0.025  | 101 | 70 - 120  | 0.024  | 97  | 4   | 30           |
| 10061-01-5                                | cis-1,3-Dichloropropene     | 0.000115U  | 0.000115     | 0.025   | 0.028  | 111 | 70 - 125  | 0.027  | 108 | 4   | 30           |
| 10061-02-6                                | trans-1,3-Dichloropropene   | 0.000141U  | 0.000141     | 0.025   | 0.027  | 108 | 65 - 125  | 0.026  | 104 | 4   | 30           |
| 100-41-4                                  | Ethylbenzene                | 0.000207U  | 0.000207     | 0.025   | 0.027  | 108 | 75 - 125  | 0.026  | 102 | 4   | 30           |
| 591-78-6                                  | 2-Hexanone                  | 0.000826U  | 0.000826     | 0.025   | 0.030  | 121 | 45 - 145  | 0.027  | 108 | 11  | 30           |
| 98-82-8                                   | Isopropylbenzene (Cumene)   | 0.000153U  | 0.000153     | 0.025   | 0.028  | 114 | 75 - 130  | 0.028  | 110 | 0   | 30           |
| 78-93-3                                   | 2-Butanone                  | 0.000312U  | 0.000312     | 0.025   | 0.029  | 115 | 30 - 160  | 0.026  | 105 | 11  | 30           |
| 108-10-1                                  | 4-Methyl-2-pentanone        | 0.000173U  | 0.000173     | 0.025   | 0.027  | 108 | 45 - 145  | 0.025  | 98  | 8   | 30           |
| 100-42-5                                  | Styrene                     | 0.000152U  | 0.000152     | 0.025   | 0.027  | 107 | 75 - 125  | 0.026  | 102 | 4   | 30           |
| 127-18-4                                  | Tetrachloroethene           | 0.000192U  | 0.000192     | 0.025   | 0.022  | 87  | 65 - 140  | 0.021  | 85  | 5   | 30           |
| 79-34-5                                   | 1,1,2,2-Tetrachloroethane   | 0.000180U  | 0.000180     | 0.025   | 0.027  | 106 | 55 - 130  | 0.024  | 97  | 12  | 30           |
| 120-82-1                                  | 1,2,4-Trichlorobenzene      | 0.000327U  | 0.000327     | 0.025   | 0.031  | 123 | 65 - 130  | 0.027  | 110 | 14  | 30           |
| 71-55-6                                   | 1,1,1-Trichloroethane       | 0.000123U  | 0.000123     | 0.025   | 0.030  | 118 | 70 - 135  | 0.029  | 115 | 3   | 30           |
| 79-00-5                                   | 1,1,2-Trichloroethane       | 0.000114U  | 0.000114     | 0.025   | 0.025  | 102 | 60 - 125  | 0.026  | 103 | 4   | 30           |
| 75-69-4                                   | Trichlorofluoromethane      | 0.000252U  | 0.000252     | 0.025   | 0.027  | 107 | 25 - 185  | 0.025  | 100 | 8   | 30           |
| 75-01-4                                   | Vinyl chloride              | 0.000351U  | 0.000351     | 0.025   | 0.025  | 102 | 60 - 125  | 0.024  | 95  | 4   | 30           |
| 96-12-8                                   | 1,2-Dibromo-3-chloropropane | 0.000866U  | 0.000866     | 0.025   | 0.032  | 129 | 40 - 135  | 0.029  | 115 | 10  | 30           |

# GC/MS Volatiles Quality Control Summary

| Analytical Batch 371626<br>Prep Batch N/A |                                | Client ID MB371626<br>GCAL ID 595446<br>Sample Type Method Blank<br>Analytical Date 04/06/2008 12:21<br>Matrix Solid |              | LCS371626<br>595447<br>LCS<br>04/06/2008 11:13<br>Solid |        |      | LCSD371626<br>595510<br>LCSD<br>04/06/2008 11:36<br>Solid |        |      |     |              |
|---|--------------------------------|--|--------------|---|--------|------|---|--------|------|-----|--------------|
| SW-846 8260B DOD Solid                    |                                | Units<br>Result  | mg/kg<br>RDL | Spike<br>Added  | Result | % R  | Control<br>Limits % R                                     | Result | % R  | RPD | RPD<br>Limit |
| 106-93-4                                  | 1,2-Dibromoethane              | 0.000150U  | 0.000150     | 0.025   | 0.027  | 108  | 70 - 125  | 0.026  | 106  | 4   | 30           |
| 1634-04-4                                 | tert-Butyl methyl ether (MTBE) | 0.0000740U   | 0.0000740    | 0.025   | 0.026  | 104  | 50 - 135  | 0.025  | 99   | 4   | 30           |
| 1330-20-7                                 | Xylene (total)                 | 0.000572U  | 0.000572     | 0.075   | 0.083  | 110  | 75 - 125  | 0.079  | 106  | 5   | 30           |
| 108-87-2                                  | Methylcyclohexane              | 0.000370U  | 0.000370     | 0.025   | 0.028  | 113  | 79 - 122  | 0.026  | 104  | 7   | 30           |
| 110-82-7                                  | Cyclohexane                    | 0.00111U   | 0.00111      | 0.025   | 0.027  | 110  | 61 - 143  | 0.025  | 100  | 8   | 30           |
| 79-20-9                                   | Methyl Acetate                 | 0.00153U   | 0.00153      | 0.025   | 0.030  | 119  | 41 - 164  | 0.026  | 102  | 14  | 30           |
| 76-13-1                                   | Trichlorotrifluoroethane       | 0.000188U  | 0.000188     | 0.025   | 0.026  | 104  | 71 - 137  | 0.024  | 97   | 8   | 30           |
| 541-73-1                                  | 1,3-Dichlorobenzene            | 0.000236U  | 0.000236     | 0.025   | 0.027  | 107  | 70 - 125  | 0.026  | 104  | 4   | 30           |
| 106-46-7                                  | 1,4-Dichlorobenzene            | 0.000421U  | 0.000421     | 0.025   | 0.027  | 109  | 70 - 125  | 0.027  | 106  | 0   | 30           |
| 95-50-1                                   | 1,2-Dichlorobenzene            | 0.000114U  | 0.000114     | 0.025   | 0.027  | 110  | 75 - 120  | 0.027  | 107  | 0   | 30           |
| 91-20-3                                   | Naphthalene                    | 0.000376U  | 0.000376     | 0.025   | 0.037  | 148* | 40 - 125  | 0.034  | 135* | 8   | 30           |
| 75-35-4                                   | 1,1-Dichloroethene             | 0.000359U  | 0.000359     | 0.025   | 0.025  | 101  | 65 - 135  | 0.023  | 93   | 8   | 30           |
| 71-43-2                                   | Benzene                        | 0.000104U  | 0.000104     | 0.025   | 0.026  | 105  | 75 - 125  | 0.025  | 100  | 4   | 30           |
| 79-01-6                                   | Trichloroethene                | 0.000177U  | 0.000177     | 0.025   | 0.025  | 101  | 75 - 125  | 0.025  | 100  | 0   | 30           |
| 108-88-3                                  | Toluene                        | 0.000550U  | 0.000550     | 0.025   | 0.026  | 105  | 70 - 125  | 0.025  | 102  | 4   | 30           |
| 108-90-7                                  | Chlorobenzene                  | 0.000165U  | 0.000165     | 0.025   | 0.025  | 102  | 75 - 125  | 0.025  | 100  | 0   | 30           |
| <b>Surrogate</b>                          |                                |  |              |   |        |      |   |        |      |     |              |
| 460-00-4                                  | 4-Bromofluorobenzene           | 47.9   | 96           | 50  | 50.9   | 102  | 85 - 120  | 52.3   | 105  |     |              |
| 1868-53-7                                 | Dibromofluoromethane           | 48.5   | 97           | 50  | 51.5   | 103  | 65 - 130  | 52.2   | 104  |     |              |
| 2037-26-5                                 | Toluene d8                     | 51.6   | 103          | 50  | 50.2   | 100  | 85 - 115  | 50.4   | 101  |     |              |
| 17060-07-0                                | 1,2-Dichloroethane-d4          | 48.4   | 97           | 50  | 51.5   | 103  | 62 - 125  | 49.3   | 99   |     |              |

| Analytical Batch 371628<br>Prep Batch N/A |                      | Client ID MB371628<br>GCAL ID 595452<br>Sample Type Method Blank<br>Analytical Date 04/05/2008 19:07<br>Matrix Solid |              | LCS371628<br>595453<br>LCS<br>04/05/2008 17:07<br>Solid |        |     |                       |
|---|----------------------|--|--------------|---|--------|-----|-----------------------|
| SW-846 8260B DOD Solid                    |                      | Units<br>Result  | mg/kg<br>RDL | Spike<br>Added  | Result | % R | Control<br>Limits % R |
| 67-64-1                                   | Acetone              | 0.000374U  | 0.000374     | 0.050   | 0.049  | 98  | 20 - 160              |
| 75-27-4                                   | Bromodichloromethane | 0.000135U  | 0.000135     | 0.050   | 0.052  | 104 | 70 - 130              |
| 75-25-2                                   | Bromoform            | 0.000169U  | 0.000169     | 0.050   | 0.050  | 99  | 55 - 135              |

# GC/MS Volatiles Quality Control Summary

| Analytical Batch 371628<br>Prep Batch N/A |                                | Client ID MB371628<br>GCAL ID 595452<br>Sample Type Method Blank<br>Analytical Date 04/05/2008 19:07<br>Matrix Solid | LCS371628<br>595453<br>LCS<br>04/05/2008 17:07<br>Solid |                |        |     |                       |
|---|--------------------------------|--|---|----------------|--------|-----|-----------------------|
| SW-846 8260B DOD Solid                    |                                | Units<br>Result  | mg/kg<br>RDL  | Spike<br>Added | Result | % R | Control<br>Limits % R |
| 74-83-9                                   | Bromomethane                   | 0.00151U   | 0.00151   | 0.050          | 0.058  | 116 | 30 - 160              |
| 75-15-0                                   | Carbon disulfide               | 0.000109U  | 0.000109  | 0.050          | 0.052  | 104 | 45 - 160              |
| 56-23-5                                   | Carbon tetrachloride           | 0.000120U  | 0.000120  | 0.050          | 0.058  | 116 | 65 - 135              |
| 75-00-3                                   | Chloroethane                   | 0.000606U  | 0.000606  | 0.050          | 0.049  | 99  | 40 - 155              |
| 67-66-3                                   | Chloroform                     | 0.000141U  | 0.000141  | 0.050          | 0.052  | 104 | 70 - 125              |
| 74-87-3                                   | Chloromethane                  | 0.000464U  | 0.000464  | 0.050          | 0.049  | 97  | 50 - 130              |
| 124-48-1                                  | Dibromochloromethane           | 0.0000900U   | 0.0000900   | 0.050          | 0.057  | 113 | 65 - 130              |
| 75-71-8                                   | Dichlorodifluoromethane        | 0.000364U  | 0.000364  | 0.050          | 0.051  | 102 | 35 - 135              |
| 75-34-3                                   | 1,1-Dichloroethane             | 0.000159U  | 0.000159  | 0.050          | 0.054  | 108 | 75 - 125              |
| 107-06-2                                  | 1,2-Dichloroethane             | 0.000114U  | 0.000114  | 0.050          | 0.049  | 97  | 70 - 135              |
| 156-59-2                                  | cis-1,2-Dichloroethene         | 0.000126U  | 0.000126  | 0.050          | 0.049  | 98  | 65 - 125              |
| 156-60-5                                  | trans-1,2-Dichloroethene       | 0.000164U  | 0.000164  | 0.050          | 0.051  | 102 | 65 - 135              |
| 75-09-2                                   | Methylene chloride             | 0.000479U  | 0.000479  | 0.050          | 0.046  | 91  | 55 - 140              |
| 78-87-5                                   | 1,2-Dichloropropane            | 0.000112U  | 0.000112  | 0.050          | 0.049  | 97  | 70 - 120              |
| 10061-01-5                                | cis-1,3-Dichloropropene        | 0.000115U  | 0.000115  | 0.050          | 0.051  | 101 | 70 - 125              |
| 10061-02-6                                | trans-1,3-Dichloropropene      | 0.000141U  | 0.000141  | 0.050          | 0.053  | 106 | 65 - 125              |
| 100-41-4                                  | Ethylbenzene                   | 0.000207U  | 0.000207  | 0.050          | 0.055  | 109 | 75 - 125              |
| 591-78-6                                  | 2-Hexanone                     | 0.000826U  | 0.000826  | 0.050          | 0.057  | 113 | 45 - 145              |
| 98-82-8                                   | Isopropylbenzene (Cumene)      | 0.000153U  | 0.000153  | 0.050          | 0.058  | 117 | 75 - 130              |
| 78-93-3                                   | 2-Butanone                     | 0.000312U  | 0.000312  | 0.050          | 0.052  | 104 | 30 - 160              |
| 108-10-1                                  | 4-Methyl-2-pentanone           | 0.000173U  | 0.000173  | 0.050          | 0.053  | 106 | 45 - 145              |
| 100-42-5                                  | Styrene                        | 0.000152U  | 0.000152  | 0.050          | 0.057  | 114 | 75 - 125              |
| 127-18-4                                  | Tetrachloroethene              | 0.000192U  | 0.000192  | 0.050          | 0.055  | 110 | 65 - 140              |
| 79-34-5                                   | 1,1,2,2-Tetrachloroethane      | 0.000180U  | 0.000180  | 0.050          | 0.051  | 102 | 55 - 130              |
| 120-82-1                                  | 1,2,4-Trichlorobenzene         | 0.000327U  | 0.000327  | 0.050          | 0.056  | 111 | 65 - 130              |
| 71-55-6                                   | 1,1,1-Trichloroethane          | 0.000123U  | 0.000123  | 0.050          | 0.059  | 119 | 70 - 135              |
| 79-00-5                                   | 1,1,2-Trichloroethane          | 0.000114U  | 0.000114  | 0.050          | 0.053  | 106 | 60 - 125              |
| 75-69-4                                   | Trichlorofluoromethane         | 0.000252U  | 0.000252  | 0.050          | 0.056  | 111 | 25 - 185              |
| 75-01-4                                   | Vinyl chloride                 | 0.000351U  | 0.000351  | 0.050          | 0.048  | 97  | 60 - 125              |
| 96-12-8                                   | 1,2-Dibromo-3-chloropropane    | 0.000866U  | 0.000866  | 0.050          | 0.061  | 122 | 40 - 135              |
| 106-93-4                                  | 1,2-Dibromoethane              | 0.000150U  | 0.000150  | 0.050          | 0.053  | 107 | 70 - 125              |
| 1634-04-4                                 | tert-Butyl methyl ether (MTBE) | 0.0000740U   | 0.0000740   | 0.050          | 0.052  | 105 | 50 - 135              |
| 1330-20-7                                 | Xylene (total)                 | 0.000572U  | 0.000572  | 0.150          | 0.168  | 112 | 75 - 125              |

# GC/MS Volatiles Quality Control Summary

| Analytical Batch 371628<br>Prep Batch N/A |                          | Client ID MB371628<br>GCAL ID 595452<br>Sample Type Method Blank<br>Analytical Date 04/05/2008 19:07<br>Matrix Solid |              | LCS371628<br>595453<br>LCS<br>04/05/2008 17:07<br>Solid |        |     |                       |
|---|--------------------------|--|--------------|---|--------|-----|-----------------------|
| SW-846 8260B DOD Solid                    |                          | Units<br>Result  | mg/kg<br>RDL | Spike<br>Added  | Result | % R | Control<br>Limits % R |
| 108-87-2                                  | Methylcyclohexane        | 0.000370U  | 0.000370     | 0.050   | 0.055  | 110 | 79 - 122              |
| 110-82-7                                  | Cyclohexane              | 0.00111U   | 0.00111      | 0.050   | 0.052  | 104 | 61 - 143              |
| 79-20-9                                   | Methyl Acetate           | 0.00153U   | 0.00153      | 0.050   | 0.064  | 128 | 41 - 164              |
| 76-13-1                                   | Trichlorotrifluoroethane | 0.000188U  | 0.000188     | 0.050   | 0.053  | 106 | 71 - 137              |
| 541-73-1                                  | 1,3-Dichlorobenzene      | 0.000236U  | 0.000236     | 0.050   | 0.054  | 108 | 70 - 125              |
| 106-46-7                                  | 1,4-Dichlorobenzene      | 0.000421U  | 0.000421     | 0.050   | 0.055  | 110 | 70 - 125              |
| 95-50-1                                   | 1,2-Dichlorobenzene      | 0.000114U  | 0.000114     | 0.050   | 0.054  | 108 | 75 - 120              |
| 91-20-3                                   | Naphthalene              | 0.000376U  | 0.000376     | 0.050   | 0.052  | 105 | 40 - 125              |
| 75-35-4                                   | 1,1-Dichloroethene       | 0.000359U  | 0.000359     | 0.050   | 0.050  | 99  | 65 - 135              |
| 71-43-2                                   | Benzene                  | 0.000104U  | 0.000104     | 0.050   | 0.051  | 102 | 75 - 125              |
| 79-01-6                                   | Trichloroethene          | 0.000177U  | 0.000177     | 0.050   | 0.054  | 107 | 75 - 125              |
| 108-88-3                                  | Toluene                  | 0.000550U  | 0.000550     | 0.050   | 0.053  | 106 | 70 - 125              |
| 108-90-7                                  | Chlorobenzene            | 0.000165U  | 0.000165     | 0.050   | 0.052  | 105 | 75 - 125              |
| <b>Surrogate</b>                          |                          |  |              |   |        |     |                       |
| 460-00-4                                  | 4-Bromofluorobenzene     | 49.9   | 100          | 50  | 52.7   | 105 | 85 - 120              |
| 1868-53-7                                 | Dibromofluoromethane     | 51.3   | 103          | 50  | 52.5   | 105 | 65 - 130              |
| 2037-26-5                                 | Toluene d8               | 55.2   | 110          | 50  | 51     | 102 | 85 - 115              |
| 17060-07-0                                | 1,2-Dichloroethane-d4    | 52.1   | 104          | 50  | 50.3   | 101 | 62 - 125              |

| Analytical Batch 371633<br>Prep Batch N/A |                      | Client ID MB371633<br>GCAL ID 595469<br>Sample Type Method Blank<br>Analytical Date 04/08/2008 19:22<br>Matrix Water |             | LCS371633<br>595470<br>LCS<br>04/08/2008 18:17<br>Water |        |     | LCSD371633<br>595508<br>LCSD<br>04/08/2008 18:39<br>Water |        |     |     |              |
|---|----------------------|--|-------------|---|--------|-----|---|--------|-----|-----|--------------|
| SW-846 8260B DOD Water                    |                      | Units<br>Result  | mg/L<br>RDL | Spike<br>Added  | Result | % R | Control<br>Limits % R                                     | Result | % R | RPD | RPD<br>Limit |
| 67-64-1                                   | Acetone              | 0.000690U  | 0.000690    | 0.050   | 0.050  | 99  | 40 - 140  | 0.052  | 105 | 4   | 30           |
| 75-27-4                                   | Bromodichloromethane | 0.0000796U   | 0.0000796   | 0.050   | 0.059  | 118 | 75 - 120  | 0.056  | 112 | 5   | 30           |
| 75-25-2                                   | Bromoform            | 0.0000655U   | 0.0000655   | 0.050   | 0.060  | 120 | 70 - 130  | 0.058  | 116 | 3   | 30           |
| 74-83-9                                   | Bromomethane         | 0.000252U  | 0.000252    | 0.050   | 0.051  | 103 | 30 - 145  | 0.054  | 109 | 6   | 30           |
| 75-15-0                                   | Carbon disulfide     | 0.0000997U   | 0.0000997   | 0.050   | 0.053  | 107 | 35 - 160  | 0.052  | 105 | 2   | 30           |
| 56-23-5                                   | Carbon tetrachloride | 0.000124U  | 0.000124    | 0.050   | 0.057  | 113 | 65 - 140  | 0.051  | 103 | 11  | 30           |

# GC/MS Volatiles Quality Control Summary

| Analytical Batch 371633<br>Prep Batch N/A |                                | Client ID MB371633<br>GCAL ID 595469<br>Sample Type Method Blank<br>Analytical Date 04/08/2008 19:22<br>Matrix Water |           |       | LCS371633<br>595470<br>LCS<br>04/08/2008 18:17<br>Water |     |            | LCSD371633<br>595508<br>LCSD<br>04/08/2008 18:39<br>Water |     |     |       |
|---|--------------------------------|--|-----------|-------|---|-----|------------|---|-----|-----|-------|
| SW-846 8260B DOD Water                    |                                | Units  | mg/L      | Spike | Result  | % R | Control    | Result  | % R | RPD | RPD   |
|   |                                | Result   | RDL       | Added |   |     | Limits % R |   |     |     | Limit |
| 75-00-3                                   | Chloroethane                   | 0.0000607U   | 0.0000607 | 0.050 | 0.047   | 93  | 60 - 135   | 0.047   | 93  | 0   | 30    |
| 67-66-3                                   | Chloroform                     | 0.0000629U   | 0.0000629 | 0.050 | 0.051   | 103 | 65 - 135   | 0.048   | 96  | 6   | 30    |
| 74-87-3                                   | Chloromethane                  | 0.000244U  | 0.000244  | 0.050 | 0.049   | 98  | 40 - 125   | 0.051   | 101 | 4   | 30    |
| 124-48-1                                  | Dibromochloromethane           | 0.0000504U   | 0.0000504 | 0.050 | 0.059   | 117 | 60 - 135   | 0.057   | 115 | 3   | 30    |
| 75-71-8                                   | Dichlorodifluoromethane        | 0.000168U  | 0.000168  | 0.050 | 0.050   | 100 | 30 - 155   | 0.055   | 110 | 10  | 30    |
| 75-34-3                                   | 1,1-Dichloroethane             | 0.000125U  | 0.000125  | 0.050 | 0.053   | 107 | 70 - 135   | 0.051   | 103 | 4   | 30    |
| 107-06-2                                  | 1,2-Dichloroethane             | 0.000184U  | 0.000184  | 0.050 | 0.054   | 108 | 70 - 130   | 0.051   | 102 | 6   | 30    |
| 156-59-2                                  | cis-1,2-Dichloroethene         | 0.000154U  | 0.000154  | 0.050 | 0.057   | 114 | 70 - 125   | 0.054   | 108 | 5   | 30    |
| 156-60-5                                  | trans-1,2-Dichloroethene       | 0.000113U  | 0.000113  | 0.050 | 0.056   | 113 | 60 - 140   | 0.054   | 109 | 4   | 30    |
| 75-09-2                                   | Methylene chloride             | 0.000104U  | 0.000104  | 0.050 | 0.051   | 102 | 55 - 140   | 0.050   | 99  | 2   | 30    |
| 78-87-5                                   | 1,2-Dichloropropane            | 0.0000997U   | 0.0000997 | 0.050 | 0.050   | 99  | 75 - 125   | 0.047   | 93  | 6   | 30    |
| 10061-01-5                                | cis-1,3-Dichloropropene        | 0.0000648U   | 0.0000648 | 0.050 | 0.050   | 100 | 70 - 130   | 0.048   | 97  | 4   | 30    |
| 10061-02-6                                | trans-1,3-Dichloropropene      | 0.000101U  | 0.000101  | 0.050 | 0.051   | 102 | 55 - 140   | 0.049   | 98  | 4   | 30    |
| 100-41-4                                  | Ethylbenzene                   | 0.0000773U   | 0.0000773 | 0.050 | 0.052   | 104 | 75 - 125   | 0.048   | 96  | 8   | 30    |
| 591-78-6                                  | 2-Hexanone                     | 0.000151U  | 0.000151  | 0.050 | 0.050   | 100 | 55 - 130   | 0.051   | 101 | 2   | 30    |
| 98-82-8                                   | Isopropylbenzene (Cumene)      | 0.0000500U   | 0.0000500 | 0.050 | 0.050   | 101 | 75 - 125   | 0.047   | 94  | 6   | 30    |
| 78-93-3                                   | 2-Butanone                     | 0.000361U  | 0.000361  | 0.050 | 0.058   | 115 | 30 - 150   | 0.056   | 111 | 4   | 30    |
| 108-10-1                                  | 4-Methyl-2-pentanone           | 0.0000882U   | 0.0000882 | 0.050 | 0.051   | 102 | 60 - 135   | 0.050   | 101 | 2   | 30    |
| 100-42-5                                  | Styrene                        | 0.0000500U   | 0.0000500 | 0.050 | 0.051   | 103 | 65 - 135   | 0.048   | 96  | 6   | 30    |
| 127-18-4                                  | Tetrachloroethene              | 0.0000805U   | 0.0000805 | 0.050 | 0.056   | 113 | 45 - 150   | 0.052   | 105 | 7   | 30    |
| 79-34-5                                   | 1,1,2,2-Tetrachloroethane      | 0.000156U  | 0.000156  | 0.050 | 0.053   | 107 | 65 - 130   | 0.052   | 104 | 2   | 30    |
| 120-82-1                                  | 1,2,4-Trichlorobenzene         | 0.000413U  | 0.000413  | 0.050 | 0.052   | 103 | 65 - 135   | 0.050   | 101 | 4   | 30    |
| 71-55-6                                   | 1,1,1-Trichloroethane          | 0.000155U  | 0.000155  | 0.050 | 0.054   | 107 | 65 - 130   | 0.049   | 98  | 10  | 30    |
| 79-00-5                                   | 1,1,2-Trichloroethane          | 0.0000677U   | 0.0000677 | 0.050 | 0.055   | 110 | 75 - 125   | 0.053   | 105 | 4   | 30    |
| 75-69-4                                   | Trichlorofluoromethane         | 0.000141U  | 0.000141  | 0.050 | 0.055   | 110 | 60 - 145   | 0.054   | 108 | 2   | 30    |
| 75-01-4                                   | Vinyl chloride                 | 0.000163U  | 0.000163  | 0.050 | 0.051   | 101 | 50 - 145   | 0.051   | 102 | 0   | 30    |
| 96-12-8                                   | 1,2-Dibromo-3-chloropropane    | 0.000181U  | 0.000181  | 0.050 | 0.051   | 101 | 50 - 130   | 0.050   | 100 | 2   | 30    |
| 106-93-4                                  | 1,2-Dibromoethane              | 0.000101U  | 0.000101  | 0.050 | 0.059   | 118 | 80 - 120   | 0.057   | 114 | 3   | 30    |
| 1634-04-4                                 | tert-Butyl methyl ether (MTBE) | 0.000110U  | 0.000110  | 0.050 | 0.053   | 106 | 65 - 125   | 0.054   | 107 | 2   | 30    |
| 1330-20-7                                 | Xylene (total)                 | 0.000535U  | 0.000535  | 0.150 | 0.153   | 102 | 75 - 130   | 0.143   | 95  | 7   | 30    |
| 108-87-2                                  | Methylcyclohexane              | 0.000201U  | 0.000201  | 0.050 | 0.050   | 100 | 77 - 123   | 0.046   | 92  | 8   | 30    |
| 110-82-7                                  | Cyclohexane                    | 0.000101U  | 0.000101  | 0.050 | 0.049   | 98  | 71 - 127   | 0.047   | 93  | 4   | 30    |
| 79-20-9                                   | Methyl Acetate                 | 0.000431U  | 0.000431  | 0.050 | 0.047   | 94  | 55 - 134   | 0.048   | 95  | 2   | 30    |

# GC/MS Volatiles Quality Control Summary

| Analytical Batch 371633<br>Prep Batch N/A |                          | Client ID MB371633<br>GCAL ID 595469<br>Sample Type Method Blank<br>Analytical Date 04/08/2008 19:22<br>Matrix Water |             | LCS371633<br>595470<br>LCS<br>04/08/2008 18:17<br>Water |        |     | LCSD371633<br>595508<br>LCSD<br>04/08/2008 18:39<br>Water |        |     |     |              |
|---|--------------------------|--|-------------|---|--------|-----|---|--------|-----|-----|--------------|
| SW-846 8260B DOD Water                    |                          | Units<br>Result  | mg/L<br>RDL | Spike<br>Added  | Result | % R | Control<br>Limits % R                                     | Result | % R | RPD | RPD<br>Limit |
| 76-13-1                                   | Trichlorotrifluoroethane | 0.000168U  | 0.000168    | 0.050   | 0.054  | 108 | 72 - 130  | 0.054  | 108 | 0   | 30           |
| 541-73-1                                  | 1,3-Dichlorobenzene      | 0.000134U  | 0.000134    | 0.050   | 0.058  | 116 | 65 - 130  | 0.056  | 112 | 4   | 30           |
| 106-46-7                                  | 1,4-Dichlorobenzene      | 0.000162U  | 0.000162    | 0.050   | 0.051  | 103 | 65 - 130  | 0.049  | 99  | 4   | 30           |
| 95-50-1                                   | 1,2-Dichlorobenzene      | 0.000112U  | 0.000112    | 0.050   | 0.052  | 104 | 70 - 120  | 0.049  | 98  | 6   | 30           |
| 91-20-3                                   | Naphthalene              | 2.55J  | 0.369       | 50.0  | 50.6   | 101 | 55 - 140  | 50.7   | 101 | 0.2 | 30           |
| 75-35-4                                   | 1,1-Dichloroethene       | 0.000226U  | 0.000226    | 0.050   | 0.052  | 105 | 70 - 130  | 0.053  | 106 | 2   | 30           |
| 71-43-2                                   | Benzene                  | 0.000184U  | 0.000184    | 0.050   | 0.050  | 100 | 80 - 120  | 0.047  | 93  | 6   | 30           |
| 79-01-6                                   | Trichloroethene          | 0.000123U  | 0.000123    | 0.050   | 0.049  | 97  | 70 - 125  | 0.046  | 92  | 6   | 30           |
| 108-88-3                                  | Toluene                  | 0.0000932U   | 0.0000932   | 0.050   | 0.055  | 109 | 75 - 120  | 0.052  | 103 | 6   | 30           |
| 108-90-7                                  | Chlorobenzene            | 0.0000510U   | 0.0000510   | 0.050   | 0.050  | 100 | 80 - 120  | 0.047  | 93  | 6   | 30           |
| <b>Surrogate</b>                          |                          |  |             |   |        |     |   |        |     |     |              |
| 460-00-4                                  | 4-Bromofluorobenzene     | 49.9   | 100         | 50  | 51     | 102 | 76 - 119  | 51.4   | 103 |     |              |
| 1868-53-7                                 | Dibromofluoromethane     | 50.9   | 102         | 50  | 50.1   | 100 | 85 - 115  | 49.5   | 99  |     |              |
| 2037-26-5                                 | Toluene d8               | 52.8   | 106         | 50  | 47.1   | 94  | 81 - 120  | 47.4   | 95  |     |              |
| 17060-07-0                                | 1,2-Dichloroethane-d4    | 50.5   | 101         | 50  | 50.7   | 101 | 72 - 119  | 50.2   | 100 |     |              |

| Analytical Batch 371712<br>Prep Batch N/A |                       | Client ID MB371712<br>GCAL ID 595972<br>Sample Type Method Blank<br>Analytical Date 04/07/2008 01:47<br>Matrix Solid |              | LCS371712<br>595973<br>LCS<br>04/07/2008 00:39<br>Solid |        |     | LCSD371712<br>595974<br>LCSD<br>04/07/2008 01:02<br>Solid |        |     |     |              |
|---|-----------------------|--|--------------|---|--------|-----|---|--------|-----|-----|--------------|
| SW-846 8260B                              |                       | Units<br>Result  | mg/kg<br>RDL | Spike<br>Added  | Result | % R | Control<br>Limits % R                                     | Result | % R | RPD | RPD<br>Limit |
| 79-01-6                                   | Trichloroethene       | 0.00885U   | 0.00885      | 1.25  | 1.31   | 105 | 75 - 125  | 1.24   | 99  | 5   | 30           |
| <b>Surrogate</b>                          |                       |  |              |   |        |     |   |        |     |     |              |
| 460-00-4                                  | 4-Bromofluorobenzene  | 2460   | 98           | 2500  | 2560   | 102 | 85 - 120  | 2410   | 96  |     |              |
| 1868-53-7                                 | Dibromofluoromethane  | 2980   | 119          | 2500  | 2950   | 118 | 65 - 130  | 2920   | 117 |     |              |
| 2037-26-5                                 | Toluene d8            | 2720   | 109          | 2500  | 2690   | 108 | 85 - 115  | 2670   | 107 |     |              |
| 17060-07-0                                | 1,2-Dichloroethane-d4 | 2900   | 116          | 2500  | 2910   | 116 | 62 - 125  | 2790   | 112 |     |              |

# GC/MS Volatiles Quality Control Summary

| Analytical Batch 370779<br>Prep Batch N/A |                       | Client ID MB370779<br>GCAL ID 591251<br>Sample Type Method Blank<br>Analytical Date 04/07/2008 12:18<br>Matrix Water |             | LCS370779<br>591252<br>LCS<br>04/07/2008 10:34<br>Water |        |     |                       |
|---|-----------------------|--|-------------|---|--------|-----|-----------------------|
| SW-846 8260B TCLP                         |                       | Units<br>Result  | mg/L<br>RDL | Spike<br>Added  | Result | % R | Control<br>Limits % R |
| 56-23-5                                   | Carbon tetrachloride  | 0.000128U  | 0.000128    | 0.050   | 0.053  | 105 | 73 - 125              |
| 67-66-3                                   | Chloroform            | 0.000194U  | 0.000194    | 0.050   | 0.050  | 100 | 75 - 120              |
| 107-06-2                                  | 1,2-Dichloroethane    | 0.000205U  | 0.000205    | 0.050   | 0.052  | 103 | 75 - 122              |
| 78-93-3                                   | 2-Butanone            | 0.000429U  | 0.000429    | 0.050   | 0.052  | 103 | 51 - 157              |
| 127-18-4                                  | Tetrachloroethene     | 0.000227U  | 0.000227    | 0.050   | 0.049  | 99  | 77 - 129              |
| 75-01-4                                   | Vinyl chloride        | 0.0000890U   | 0.0000890   | 0.050   | 0.048  | 96  | 69 - 130              |
| 75-35-4                                   | 1,1-Dichloroethene    | 0.000229U  | 0.000229    | 0.050   | 0.045  | 91  | 76 - 127              |
| 71-43-2                                   | Benzene               | 0.000225U  | 0.000225    | 0.050   | 0.050  | 101 | 80 - 120              |
| 79-01-6                                   | Trichloroethene       | 0.000270U  | 0.000270    | 0.050   | 0.049  | 97  | 79 - 121              |
| 108-90-7                                  | Chlorobenzene         | 0.000213U  | 0.000213    | 0.050   | 0.053  | 105 | 80 - 125              |
| <b>Surrogate</b>                          |                       |  |             |   |        |     |                       |
| 460-00-4                                  | 4-Bromofluorobenzene  | 48.3   | 97          | 50  | 48.7   | 97  | 62 - 130              |
| 1868-53-7                                 | Dibromofluoromethane  | 55.1   | 110         | 50  | 52.7   | 105 | 65 - 127              |
| 2037-26-5                                 | Toluene d8            | 55.7   | 111         | 50  | 54.1   | 108 | 71 - 134              |
| 17060-07-0                                | 1,2-Dichloroethane-d4 | 54.9   | 110         | 50  | 55.1   | 110 | 62 - 127              |

| Analytical Batch 370779<br>Prep Batch N/A |                      | Client ID SPENT HYDROTREATING (TCLP)<br>GCAL ID 20804012502<br>Sample Type SAMPLE<br>Analytical Date 04/07/2008 17:22<br>Matrix Solid |             | 589209MS<br>591362<br>MS<br>04/07/2008 17:45<br>Solid |        |     | 589209MSD<br>591363<br>MSD<br>04/07/2008 18:07<br>Solid |        |     |     |              |
|---|----------------------|---|-------------|---|--------|-----|---|--------|-----|-----|--------------|
| SW-846 8260B TCLP                         |                      | Units<br>Result   | mg/L<br>RDL | Spike<br>Added  | Result | % R | Control<br>Limits % R                                   | Result | % R | RPD | RPD<br>Limit |
| 56-23-5                                   | Carbon tetrachloride | 0.00  | 0.00512     | 2.00  | 2.03   | 102 | 73 - 125  | 2.00   | 100 | 1   | 30           |
| 67-66-3                                   | Chloroform           | 0.00  | 0.00776     | 2.00  | 1.89   | 95  | 75 - 120  | 1.80   | 90  | 5   | 30           |
| 107-06-2                                  | 1,2-Dichloroethane   | 0.00  | 0.00820     | 2.00  | 2.01   | 101 | 75 - 122  | 2.02   | 101 | 0.5 | 30           |
| 78-93-3                                   | 2-Butanone           | 0.00  | 0.017       | 2.00  | 1.95   | 98  | 51 - 157  | 1.87   | 94  | 4   | 30           |
| 127-18-4                                  | Tetrachloroethene    | 0.00  | 0.00908     | 2.00  | 1.89   | 95  | 77 - 129  | 1.76   | 88  | 7   | 30           |
| 75-01-4                                   | Vinyl chloride       | 0.00  | 0.00356     | 2.00  | 1.90   | 95  | 69 - 130  | 1.79   | 90  | 6   | 30           |
| 75-35-4                                   | 1,1-Dichloroethene   | 0.00  | 0.00916     | 2.00  | 1.73   | 87  | 76 - 127  | 1.63   | 82  | 6   | 14           |
| 71-43-2                                   | Benzene              | 3.95  | 0.00900     | 2.00  | 5.75   | 90  | 80 - 120  | 5.61   | 83  | 2   | 11           |
| 79-01-6                                   | Trichloroethene      | 0.00  | 0.011       | 2.00  | 1.79   | 90  | 79 - 121  | 1.77   | 89  | 1   | 14           |

# GC/MS Volatiles Quality Control Summary

|   |                       |  |            |              |   |            |                   |   |            |            |              |
|---|-----------------------|--|------------|--------------|---|------------|-------------------|---|------------|------------|--------------|
| <b>Analytical Batch</b> 370779<br><b>Prep Batch</b> N/A |                       | <b>Client ID</b> SPENT HYDROTREATING (TCLP)<br><b>GCAL ID</b> 20804012502<br><b>Sample Type</b> SAMPLE<br><b>Analytical Date</b> 04/07/2008 17:22<br><b>Matrix</b> Solid |            |              | 589209MS<br>591362<br>MS<br>04/07/2008 17:45<br>Solid |            |                   | 589209MSD<br>591363<br>MSD<br>04/07/2008 18:07<br>Solid |            |            |              |
| <b>SW-846 8260B TCLP</b>                                |                       | <b>Units</b>   | mg/L       | <b>Spike</b> | <b>Result</b>   | <b>% R</b> | <b>Control</b>    | <b>Result</b>   | <b>% R</b> | <b>RPD</b> | <b>RPD</b>   |
|   |                       | <b>Result</b>  | <b>RDL</b> | <b>Added</b> |   |            | <b>Limits % R</b> |   |            |            | <b>Limit</b> |
| 108-90-7  | Chlorobenzene         | 0.00   | 0.00852    | 2.00         | 2.12  | 106        | 80 - 125          | 1.95  | 98         | 8          | 13           |
| <b>Surrogate</b>  |                       |  |            |              |   |            |                   |   |            |            |              |
| 460-00-4  | 4-Bromofluorobenzene  |  |            | 2000         | 1920  | 96         | 62 - 130          | 1840  | 92         |            |              |
| 1868-53-7   | Dibromofluoromethane  |  |            | 2000         | 2140  | 107        | 65 - 127          | 2230  | 112        |            |              |
| 2037-26-5   | Toluene d8            |  |            | 2000         | 2290  | 115        | 71 - 134          | 2140  | 107        |            |              |
| 17060-07-0  | 1,2-Dichloroethane-d4 |  |            | 2000         | 2260  | 113        | 62 - 127          | 2210  | 111        |            |              |

## CASE NARRATIVE

**Client:** Aerostar      **Report:** 208040120

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

Additional Flags:

Q- LCS/LCSD recovery and/or RPD was outside control limits/CCV did not meet acceptance criteria/Internal standard responses are outside the acceptance range.

J - Indicates a positive result was obtained and the sample had a surrogate failure above the upper control limit or the sample had positive results and/or non-detects and had a surrogate recovery below the lower control limit/ Indicates the result is between the MDL and RL.

### **VOLATILES MASS SPECTROMETRY**

In the SW-846 8260B analysis, sample 20804020103 (OMS-28-6 (10-15)) had to be diluted to bracket the concentration of a target compound within the calibration range of the instrument.

In the SW-846 8260B analysis, sample 20804012103 (OMS-28-3 (10-15)) had to be diluted to bracket the concentration of a target compound within the calibration range of the instrument. The recovery for the surrogate Toluene-d8 was above the upper control limit in the 1 dilution for this sample. All other surrogate recoveries were acceptable for this sample. The responses for the internal standards were outside the acceptance range in the 1 dilution. All compounds are flagged Q on the form 1. The sample was not re-analyzed at a 1 dilution due to the high concentration of a target compound.

In the SW-846 1311/8260B analysis, a dilution factor of 40 was performed for sample 20804020106 (IDW (TCLP)). The reporting limits are at or below the regulatory limits at this dilution.

In the SW-846 8260B analysis for analytical batch 371526, the LCS/LCSD recoveries were above the upper control limit for Naphthalene. The recoveries are within the ME limits for this compound.

In the SW-846 8260B analysis for analytical batch 371633, Naphthalene was detected at an estimated concentration that is greater than ½ the RL in the method blank. This is a common lab contaminant that is acceptable at <RL.

In the SW-846 8260B analysis, the %D/%Drift was outside ±20% for Methyl Acetate (27.9) and 1,2-Dibromo-3-Chloropropane (21.6) in the CCV (MSV9, 04/05/08 pm). The recoveries were high and these compounds were not detected in the associated samples.

In the SW-846 8260B analysis, the %D/%Drift was outside ±20% for 1,1,1-Trichloroethane (22.4), Bromomethane (22.3), and Isopropylbenzene (20.7) in the CCV (MSV9, 04/06/08). The recoveries were high and these compounds were not detected in the associated samples.

In the SW-846 8260B analysis, the recovery for Acetone was above the upper control limit in the ICV (MSV6, 04/08/08). This compound was not detected in the associated samples.

In the SW-846 8260B analysis, the %D/%Drift was outside ±20% for Bromoform (20.4) in the CCV (MSV6,

04/08/08 pm). This compound was not detected in the associated samples.

All data is reported to the MDL with estimated flags. No lower detection limit is available for 1,1,2,2-Tetrachloroethane.

# Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

## Common Abbreviations Utilized in this Report

|              |  |
|--------------|--|
| <b>ND</b>    | Indicates the result was Not Detected at the specified RDL |
| <b>DO</b>    | Indicates the result was Diluted Out                       |
| <b>MI</b>    | Indicates the result was subject to Matrix Interference    |
| <b>TNTC</b>  | Indicates the result was Too Numerous To Count             |
| <b>SUBC</b>  | Indicates the analysis was Sub-Contracted                  |
| <b>FLD</b>   | Indicates the analysis was performed in the Field          |
| <b>PQL</b>   | Practical Quantitation Limit                               |
| <b>MDL</b>   | Method Detection Limit                                     |
| <b>RDL</b>   | Reporting Detection Limit                                  |
| <b>00:00</b> | Reported as a time equivalent to 12:00 AM                  |

## Reporting Flags Utilized in this Report

|          |  |
|----------|--|
| <b>J</b> | Indicates an estimated value   |
| <b>U</b> | Indicates the compound was analyzed for but not detected                     |
| <b>B</b> | (ORGANICS) Indicates the analyte was detected in the associated Method Blank |
| <b>B</b> | (INORGANICS) Indicates the result is between the RDL and MDL                 |

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with [ISO Guide 25](#) and [NELAC](#), this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

---

CURTIS EKKER  
DATA VALIDATION MANAGER  
GCAL REPORT 208040120

THIS REPORT CONTAINS \_\_\_\_\_ PAGES.

# Chain of Custody Record

Lab Report No.:

LabNet/4565/2010/0120/4906

|  |   |   |  |
|--|---|---|--|
| Company: <b>AEROSTAR</b>                                   | <b>Gulf Coast LabNet, Inc.</b><br>An Environmental Lab Services Co. | Modified from DEP Form #: 62-770.900(2) | Page   of 2                                |
| Address: <b>803 GOVT. ST., STE. A<br/>MOBILE, AL 36602</b> | Phone: (251) 625-1331<br>Fax: (251) 625-1299                        | FDEP Facility No.:                      | Project Name: <b>BROOKLEY FIELD OMS-28</b> |
|  |   | Location: <b>MOBILE, AL</b>             | Project No.:                               |

|   |                        |   |              |               |              |           |      |   |  |                           |  |          |
|---|------------------------|---|--------------|---------------|--------------|-----------|------|---|--|---------------------------|--|----------|
| Attn: <b>MARSHALL ESCHETE</b>   |                        | Phone:                                  |              | Fax:          |              |           |      |   |  | ← Preservative            |  |          |
| Sampled by [Print Name]/Affiliation<br><b>William "Prent" Dewis/Jenston</b> |                        | Sampler Signature<br><i>[Signature]</i> |              |               |              |           |      |   |  | ← Analysis                |  |          |
|   |                        |   |              |               |              |           |      |   |  | <b>REQUESTED DUE DATE</b> |  |          |
| Item No.  | Field ID No.           | Sampled Date                            | Sampled Time | Grab or Comp. | Matrix Codes | No. Cont. |      |   |  |                           | Remarks                                | Lab. No. |
|   |                        |   |              |               |              |           | TCLP | H |  |                           |  |          |
|   | <b>OMS-28-2(05)</b>    | <b>3/27/08</b>                          | <b>0845</b>  | <b>(mb)</b>   | <b>SO</b>    | <b>4</b>  | ✓    | ✓ |  |                           | <b>REPORT IN ppm ON DRY WT. BASIS.</b> | <b>1</b> |
|   | <b>OMS-28-2(5-10)</b>  |   | <b>0850</b>  |               |              | <b>4</b>  | ✓    | ✓ |  |                           |  | <b>2</b> |
|   | <b>OMS-28-2(15-20)</b> |   | <b>0855</b>  |               |              | <b>4</b>  | ✓    | ✓ |  |                           |  | <b>3</b> |
|   | <b>OMS-28-5(0-5)</b>   |   | <b>1045</b>  |               |              | <b>4</b>  | ✓    | ✓ |  |                           |  | <b>4</b> |
|   | <b>OMS-28-5(5-10)</b>  |   | <b>1050</b>  |               |              | <b>4</b>  | ✓    | ✓ |  |                           |  | <b>5</b> |
|   | <b>OMS-28-5(15-20)</b> |   | <b>1100</b>  |               |              | <b>4</b>  | ✓    | ✓ |  |                           |  | <b>6</b> |
|   | <b>OMS-28-4(0-5)</b>   |   | <b>1320</b>  |               |              | <b>4</b>  | ✓    | ✓ |  |                           |  | <b>7</b> |
|   | <b>OMS-28-4(5-10)</b>  |   | <b>1330</b>  |               |              | <b>4</b>  | ✓    | ✓ |  |                           |  | <b>8</b> |
|   | <b>OMS-28-4(10-15)</b> |   | <b>1340</b>  |               |              | <b>4</b>  | ✓    | ✓ |  |                           |  | <b>9</b> |

|   |      |        |                               |                    |                  |                           |                  |               |             |  |  |
|---|------|--------|-------------------------------|--------------------|------------------|---------------------------|------------------|---------------|-------------|--|--|
| Shipment Method                                     |      |        | ← Total Number of Containers  |                    |                  |                           |                  |               |             |  |  |
| Out: / /  | Via: | Item # | Relinquished by / Affiliation | Date               | Time             | Accepted by / Affiliation | Date             | Time          |             |  |  |
| Returned: / /                                       | Via: |        | <i>[Signature]</i>            | <b>3-28-08</b>     | <b>10:30</b>     | <i>[Signature]</i>        | <b>3/28/08</b>   | <b>1030</b>   |             |  |  |
| Additional Comments<br><b>Brookley data package</b> |      |        |                               | <b>5-31-08</b>     | <b>1700</b>      | <b>FedEx by CW</b>        | <b>3/31/08</b>   | <b>1700</b>   |             |  |  |
|   |      |        |                               | <b>FEDEx by CW</b> | <b>4-1-08</b>    | <b>1141</b>               | <b>MC</b>        | <b>4-1-08</b> | <b>1141</b> |  |  |
| Cooler No.(s) / Temperature(s) (°C)                 |      |        |                               |                    | Sampling Kit No. |                           | Equipment ID No. |               |             |  |  |
| <b>6</b>  |      |        |                               |                    | <b>7358</b>      |                           |                  |               |             |  |  |

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)  
 PRESERVATIVE CODES: H = Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify) **CH<sub>3</sub>OH + NaHSO<sub>4</sub>**

LabNet/4869/20804020/4-9-08

# Chain of Custody Record

Lab Report No.:

|                             |   |   |  |
|-----------------------------|---|---|--|
| Company:<br><b>AEROSTAR</b> | <b>Gulf Coast LabNet, Inc.</b><br>An Environmental Lab Services Co.<br>Phone: (251) 625-1331<br>Fax: (251) 625-1299 | Modified from DEP Form #: 62-770.900(2) | Page 2 of 2                                |
| Address:                    |   | FDEP Facility No.:                      | Project Name: <b>BROOKLEY FIELD OMS-28</b> |
|                             |   | Location: <b>MOBILE, AL</b>             | Project No.:                               |

| Item No. | Field ID No.     | Sampled |      | Grab or Comp. | Matrix Codes | No. Cont. | TCLP | H | I | Preservative | Analysis | REQUESTED DUE DATE | Remarks                            | Lab. No. |
|----------|------------------|---------|------|---------------|--------------|-----------|------|---|---|--------------|----------|--------------------|------------------------------------|----------|
|          |                  | Date    | Time |               |              |           |      |   |   |              |          |                    |                                    |          |
|          | OMS-28-4 (70-75) | 3/27/08 | 1430 | Grab          | SO           | 4         | ✓    |   |   |              |          |                    | REPORT in ppm on DRY WT. BASIS. 10 | 10       |
|          | Dup 1            |         | 0845 | ↓             | ↓            | ↓         | ✓    |   |   |              |          |                    |                                    | 11       |
|          | Dup 2            |         | 1045 | ↓             | ↓            | ↓         | ✓    |   |   |              |          |                    |                                    | 12       |
|          | Dup 3            |         | 1320 | ↓             | ↓            | ↓         | ✓    |   |   |              |          |                    |                                    | 13       |

|                                     |      |                             |                               |         |                  |                           |         |                  |  |  |  |  |  |  |
|-------------------------------------|------|-----------------------------|-------------------------------|---------|------------------|---------------------------|---------|------------------|--|--|--|--|--|--|
| Shipment Method                     |      | ←Total Number of Containers |                               |         |                  |                           |         |                  |  |  |  |  |  |  |
| Out: / /                            | Via: | Item #                      | Relinquished by / Affiliation | Date    | Time             | Accepted by / Affiliation | Date    | Time             |  |  |  |  |  |  |
| Returned: / /                       | Via: |                             | <i>Marshall Eschete</i>       | 3-28-08 | 10:30            | <i>[Signature]</i>        | 3/28/08 | 1030             |  |  |  |  |  |  |
| Additional Comments                 |      |                             | <i>[Signature]</i>            | 3/31/08 | 1700             | Fedex by CW               | 3/31/08 | 1700             |  |  |  |  |  |  |
|                                     |      |                             | Fedex by CW                   | 4-1-08  | 1141             | <i>[Signature]</i>        | 4-1-08  | 1141             |  |  |  |  |  |  |
| Cooler No.(s) / Temperature(s) (°C) |      |                             |                               |         | Sampling Kit No. |                           |         | Equipment ID No. |  |  |  |  |  |  |
| 6                                   |      |                             |                               |         | 7358             |                           |         |                  |  |  |  |  |  |  |

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)  
 PRESERVATIVE CODES: H = Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify) **CA<sub>2</sub>OH + NaHSO<sub>4</sub>**





**To:** Aerostar

**Job ID:** BROOKLEY FIELD OMS-28

**Attn:** Marshall Eschette

**GCAL Report** 208070940



**Report Date** 07/18/2008

ANALYTICAL RESULTS BY

**GULF COAST ANALYTICAL LABORATORIES, INC.**

**Deliver To** Aerostar  
803 Govt. Street  
Suite A  
Mobile, AL 36602

**Attn** Marshall Eschette

# Report Sample Summary

| GCAL ID     | Client ID  | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------|--------|-------------------|-------------------|
| 20807094001 | OMS28-1    | Water  | 07/08/2008 09:52  | 07/09/2008 09:30  |
| 20807094002 | OMS28-6    | Water  | 07/08/2008 11:45  | 07/09/2008 09:30  |
| 20807094003 | OMS28-4    | Water  | 07/08/2008 13:56  | 07/09/2008 09:30  |
| 20807094004 | IDW        | Water  | 07/08/2008 14:00  | 07/09/2008 09:30  |
| 20807094005 | RINSATE-2  | Water  | 07/08/2008 08:05  | 07/09/2008 09:30  |
| 20807094006 | DUP-2      | Water  | 07/08/2008 00:00  | 07/09/2008 09:30  |
| 20807094007 | TRIP BLANK | Water  | 07/08/2008 00:00  | 07/09/2008 09:30  |

# Summary of Compounds Detected

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20807094001 | OMS28-1   | Water  | 07/08/2008 09:52  | 07/09/2008 09:30  |

SW-846 8260B

| CAS#    | Parameter          | Result   | RDL     | MDL       | Units |
|---------|--------------------|----------|---------|-----------|-------|
| 67-64-1 | Acetone            | 0.00905J | 0.025   | 0.0000638 | mg/L  |
| 67-66-3 | Chloroform         | 0.044    | 0.00500 | 0.0000426 | mg/L  |
| 74-87-3 | Chloromethane      | 0.00151J | 0.00500 | 0.000249  | mg/L  |
| 75-09-2 | Methylene chloride | 0.00905J | 0.010   | 0.0000765 | mg/L  |

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20807094002 | OMS28-6   | Water  | 07/08/2008 11:45  | 07/09/2008 09:30  |

SW-846 8260B

| CAS#    | Parameter | Result   | RDL   | MDL       | Units |
|---------|-----------|----------|-------|-----------|-------|
| 67-64-1 | Acetone   | 0.00305J | 0.025 | 0.0000638 | mg/L  |

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20807094003 | OMS28-4   | Water  | 07/08/2008 13:56  | 07/09/2008 09:30  |

SW-846 8260B

| CAS#    | Parameter  | Result    | RDL     | MDL       | Units |
|---------|------------|-----------|---------|-----------|-------|
| 67-64-1 | Acetone    | 0.00207J  | 0.025   | 0.0000638 | mg/L  |
| 67-66-3 | Chloroform | 0.000219J | 0.00500 | 0.0000426 | mg/L  |

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20807094004 | IDW       | Water  | 07/08/2008 14:00  | 07/09/2008 09:30  |

SW-846 8260B

| CAS#     | Parameter          | Result    | RDL     | MDL       | Units |
|----------|--------------------|-----------|---------|-----------|-------|
| 67-64-1  | Acetone            | 0.00563J  | 0.025   | 0.0000638 | mg/L  |
| 67-66-3  | Chloroform         | 0.014     | 0.00500 | 0.0000426 | mg/L  |
| 74-87-3  | Chloromethane      | 0.000963J | 0.00500 | 0.000249  | mg/L  |
| 75-09-2  | Methylene chloride | 0.00278J  | 0.010   | 0.0000765 | mg/L  |
| 108-88-3 | Toluene            | 0.000369J | 0.00500 | 0.0000675 | mg/L  |

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20807094005 | RINSATE-2 | Water  | 07/08/2008 08:05  | 07/09/2008 09:30  |

SW-846 8260B

| CAS#    | Parameter          | Result    | RDL     | MDL       | Units |
|---------|--------------------|-----------|---------|-----------|-------|
| 67-64-1 | Acetone            | 0.00345J  | 0.025   | 0.0000638 | mg/L  |
| 74-87-3 | Chloromethane      | 0.00133J  | 0.00500 | 0.000249  | mg/L  |
| 75-09-2 | Methylene chloride | 0.000800J | 0.010   | 0.0000765 | mg/L  |

## Summary of Compounds Detected (con't)

| GCAL ID     | Client ID | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|-----------|--------|-------------------|-------------------|
| 20807094006 | DUP-2     | Water  | 07/08/2008 00:00  | 07/09/2008 09:30  |

SW-846 8260B

| CAS#     | Parameter          | Result    | RDL     | MDL       | Units |
|----------|--------------------|-----------|---------|-----------|-------|
| 67-64-1  | Acetone            | 0.00678J  | 0.025   | 0.0000638 | mg/L  |
| 67-66-3  | Chloroform         | 0.045     | 0.00500 | 0.0000426 | mg/L  |
| 74-87-3  | Chloromethane      | 0.00184J  | 0.00500 | 0.000249  | mg/L  |
| 75-09-2  | Methylene chloride | 0.00907J  | 0.010   | 0.0000765 | mg/L  |
| 108-88-3 | Toluene            | 0.000434J | 0.00500 | 0.0000675 | mg/L  |

| GCAL ID     | Client ID  | Matrix | Collect Date/Time | Receive Date/Time |
|-------------|------------|--------|-------------------|-------------------|
| 20807094007 | TRIP BLANK | Water  | 07/08/2008 00:00  | 07/09/2008 09:30  |

SW-846 8260B

| CAS#     | Parameter            | Result    | RDL     | MDL       | Units |
|----------|----------------------|-----------|---------|-----------|-------|
| 67-64-1  | Acetone              | 0.00181J  | 0.025   | 0.0000638 | mg/L  |
| 75-25-2  | Bromoform            | 0.00150J  | 0.00500 | 0.0000947 | mg/L  |
| 124-48-1 | Dibromochloromethane | 0.000939J | 0.00500 | 0.0000637 | mg/L  |

|                               |                             |                        |  |  |
|-------------------------------|-----------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20807094001 | <b>Client ID</b><br>OMS28-1 | <b>Matrix</b><br>Water | <b>Collect Date/Time</b><br>07/08/2008 09:52 | <b>Receive Date/Time</b><br>07/09/2008 09:30 |
|-------------------------------|-----------------------------|------------------------|--|--|

SW-846 8260B

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>07/14/2008 01:49 | <b>By</b><br>ADI | <b>Analytical Batch</b><br>392648 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#           | Parameter                      | Result          | RDL            | MDL              | Units       |
|----------------|--------------------------------|-----------------|----------------|------------------|-------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.0000683U      | 0.00500        | 0.0000683        | mg/L        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000148U       | 0.00500        | 0.000148         | mg/L        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000146U       | 0.00500        | 0.000146         | mg/L        |
| 75-34-3        | 1,1-Dichloroethane             | 0.0000801U      | 0.00500        | 0.0000801        | mg/L        |
| 75-35-4        | 1,1-Dichloroethene             | 0.0000961U      | 0.00500        | 0.0000961        | mg/L        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000223U       | 0.00500        | 0.000223         | mg/L        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.000356U       | 0.00500        | 0.000356         | mg/L        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000158U       | 0.00500        | 0.000158         | mg/L        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000109U       | 0.00500        | 0.000109         | mg/L        |
| 107-06-2       | 1,2-Dichloroethane             | 0.0000663U      | 0.00500        | 0.0000663        | mg/L        |
| 78-87-5        | 1,2-Dichloropropane            | 0.0000555U      | 0.00500        | 0.0000555        | mg/L        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.0000861U      | 0.00500        | 0.0000861        | mg/L        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.0000961U      | 0.00500        | 0.0000961        | mg/L        |
| 78-93-3        | 2-Butanone                     | 0.000487U       | 0.00500        | 0.000487         | mg/L        |
| 591-78-6       | 2-Hexanone                     | 0.000308U       | 0.00500        | 0.000308         | mg/L        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000113U       | 0.00500        | 0.000113         | mg/L        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.00905J</b> | <b>0.025</b>   | <b>0.0000638</b> | <b>mg/L</b> |
| 71-43-2        | Benzene                        | 0.0000624U      | 0.00500        | 0.0000624        | mg/L        |
| 75-27-4        | Bromodichloromethane           | 0.0000875U      | 0.00500        | 0.0000875        | mg/L        |
| 75-25-2        | Bromoform                      | 0.0000947U      | 0.00500        | 0.0000947        | mg/L        |
| 74-83-9        | Bromomethane                   | 0.000252U       | 0.00500        | 0.000252         | mg/L        |
| 75-15-0        | Carbon disulfide               | 0.000184U       | 0.00500        | 0.000184         | mg/L        |
| 56-23-5        | Carbon tetrachloride           | 0.0000825U      | 0.00500        | 0.0000825        | mg/L        |
| 108-90-7       | Chlorobenzene                  | 0.0000631U      | 0.00500        | 0.0000631        | mg/L        |
| 75-00-3        | Chloroethane                   | 0.0000618U      | 0.00500        | 0.0000618        | mg/L        |
| <b>67-66-3</b> | <b>Chloroform</b>              | <b>0.044</b>    | <b>0.00500</b> | <b>0.0000426</b> | <b>mg/L</b> |
| <b>74-87-3</b> | <b>Chloromethane</b>           | <b>0.00151J</b> | <b>0.00500</b> | <b>0.000249</b>  | <b>mg/L</b> |
| 110-82-7       | Cyclohexane                    | 0.0000722U      | 0.00500        | 0.0000722        | mg/L        |
| 124-48-1       | Dibromochloromethane           | 0.0000637U      | 0.00500        | 0.0000637        | mg/L        |
| 75-71-8        | Dichlorodifluoromethane        | 0.0000680U      | 0.00500        | 0.0000680        | mg/L        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.0000746U      | 0.00500        | 0.0000746        | mg/L        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.0000702U      | 0.00500        | 0.0000702        | mg/L        |
| 100-41-4       | Ethylbenzene                   | 0.0000924U      | 0.00500        | 0.0000924        | mg/L        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.0000569U      | 0.00500        | 0.0000569        | mg/L        |
| 79-20-9        | Methyl Acetate                 | 0.000375U       | 0.00500        | 0.000375         | mg/L        |
| 108-87-2       | Methylcyclohexane              | 0.0000921U      | 0.00500        | 0.0000921        | mg/L        |
| <b>75-09-2</b> | <b>Methylene chloride</b>      | <b>0.00905J</b> | <b>0.010</b>   | <b>0.0000765</b> | <b>mg/L</b> |
| 91-20-3        | Naphthalene                    | 0.000245U       | 0.00500        | 0.000245         | mg/L        |
| 100-42-5       | Styrene                        | 0.0000821U      | 0.00500        | 0.0000821        | mg/L        |
| 127-18-4       | Tetrachloroethene              | 0.000200U       | 0.00500        | 0.000200         | mg/L        |
| 108-88-3       | Toluene                        | 0.0000675U      | 0.00500        | 0.0000675        | mg/L        |
| 79-01-6        | Trichloroethene                | 0.000164U       | 0.00500        | 0.000164         | mg/L        |
| 75-69-4        | Trichlorofluoromethane         | 0.0000638U      | 0.00500        | 0.0000638        | mg/L        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000168U       | 0.00500        | 0.000168         | mg/L        |
| 75-01-4        | Vinyl chloride                 | 0.0000538U      | 0.00500        | 0.0000538        | mg/L        |
| 1330-20-7      | Xylene (total)                 | 0.000194U       | 0.010          | 0.000194         | mg/L        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.0000745U      | 0.00500        | 0.0000745        | mg/L        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.0000756U      | 0.00500        | 0.0000756        | mg/L        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.0000573U      | 0.00500        | 0.0000573        | mg/L        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20807094001    | OMS28-1          | Water         | 07/08/2008 09:52         | 07/09/2008 09:30         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 07/14/2008 01:49 | ADI       | 392648                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .048      | mg/L  | 97         | 75 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .052      | mg/L  | 103        | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .055      | mg/L  | 110        | 85 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .049      | mg/L  | 97         | 70 - 120   |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20807094002    | OMS28-6          | Water         | 07/08/2008 11:45         | 07/09/2008 09:30         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 07/14/2008 02:12 | ADI       | 392648                  |

| CAS#           | Parameter                      | Result          | RDL          | MDL              | Units       |
|----------------|--------------------------------|-----------------|--------------|------------------|-------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.0000683U      | 0.00500      | 0.0000683        | mg/L        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000148U       | 0.00500      | 0.000148         | mg/L        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000146U       | 0.00500      | 0.000146         | mg/L        |
| 75-34-3        | 1,1-Dichloroethane             | 0.0000801U      | 0.00500      | 0.0000801        | mg/L        |
| 75-35-4        | 1,1-Dichloroethene             | 0.0000961U      | 0.00500      | 0.0000961        | mg/L        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000223U       | 0.00500      | 0.000223         | mg/L        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.000356U       | 0.00500      | 0.000356         | mg/L        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000158U       | 0.00500      | 0.000158         | mg/L        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000109U       | 0.00500      | 0.000109         | mg/L        |
| 107-06-2       | 1,2-Dichloroethane             | 0.0000663U      | 0.00500      | 0.0000663        | mg/L        |
| 78-87-5        | 1,2-Dichloropropane            | 0.0000555U      | 0.00500      | 0.0000555        | mg/L        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.0000861U      | 0.00500      | 0.0000861        | mg/L        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.0000961U      | 0.00500      | 0.0000961        | mg/L        |
| 78-93-3        | 2-Butanone                     | 0.000487U       | 0.00500      | 0.000487         | mg/L        |
| 591-78-6       | 2-Hexanone                     | 0.000308U       | 0.00500      | 0.000308         | mg/L        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000113U       | 0.00500      | 0.000113         | mg/L        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.00305J</b> | <b>0.025</b> | <b>0.0000638</b> | <b>mg/L</b> |
| 71-43-2        | Benzene                        | 0.0000624U      | 0.00500      | 0.0000624        | mg/L        |
| 75-27-4        | Bromodichloromethane           | 0.0000875U      | 0.00500      | 0.0000875        | mg/L        |
| 75-25-2        | Bromoform                      | 0.0000947U      | 0.00500      | 0.0000947        | mg/L        |
| 74-83-9        | Bromomethane                   | 0.000252U       | 0.00500      | 0.000252         | mg/L        |
| 75-15-0        | Carbon disulfide               | 0.000184U       | 0.00500      | 0.000184         | mg/L        |
| 56-23-5        | Carbon tetrachloride           | 0.0000825U      | 0.00500      | 0.0000825        | mg/L        |
| 108-90-7       | Chlorobenzene                  | 0.0000631U      | 0.00500      | 0.0000631        | mg/L        |
| 75-00-3        | Chloroethane                   | 0.0000618U      | 0.00500      | 0.0000618        | mg/L        |
| 67-66-3        | Chloroform                     | 0.0000426U      | 0.00500      | 0.0000426        | mg/L        |
| 74-87-3        | Chloromethane                  | 0.000249U       | 0.00500      | 0.000249         | mg/L        |
| 110-82-7       | Cyclohexane                    | 0.0000722U      | 0.00500      | 0.0000722        | mg/L        |
| 124-48-1       | Dibromochloromethane           | 0.0000637U      | 0.00500      | 0.0000637        | mg/L        |
| 75-71-8        | Dichlorodifluoromethane        | 0.0000680U      | 0.00500      | 0.0000680        | mg/L        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.0000746U      | 0.00500      | 0.0000746        | mg/L        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.0000702U      | 0.00500      | 0.0000702        | mg/L        |
| 100-41-4       | Ethylbenzene                   | 0.0000924U      | 0.00500      | 0.0000924        | mg/L        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.0000569U      | 0.00500      | 0.0000569        | mg/L        |
| 79-20-9        | Methyl Acetate                 | 0.000375U       | 0.00500      | 0.000375         | mg/L        |
| 108-87-2       | Methylcyclohexane              | 0.0000921U      | 0.00500      | 0.0000921        | mg/L        |
| 75-09-2        | Methylene chloride             | 0.0000765U      | 0.010        | 0.0000765        | mg/L        |
| 91-20-3        | Naphthalene                    | 0.000245U       | 0.00500      | 0.000245         | mg/L        |
| 100-42-5       | Styrene                        | 0.0000821U      | 0.00500      | 0.0000821        | mg/L        |
| 127-18-4       | Tetrachloroethene              | 0.000200U       | 0.00500      | 0.000200         | mg/L        |
| 108-88-3       | Toluene                        | 0.0000675U      | 0.00500      | 0.0000675        | mg/L        |
| 79-01-6        | Trichloroethene                | 0.000164U       | 0.00500      | 0.000164         | mg/L        |
| 75-69-4        | Trichlorofluoromethane         | 0.0000638U      | 0.00500      | 0.0000638        | mg/L        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000168U       | 0.00500      | 0.000168         | mg/L        |
| 75-01-4        | Vinyl chloride                 | 0.0000538U      | 0.00500      | 0.0000538        | mg/L        |
| 1330-20-7      | Xylene (total)                 | 0.000194U       | 0.010        | 0.000194         | mg/L        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.0000745U      | 0.00500      | 0.0000745        | mg/L        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.0000756U      | 0.00500      | 0.0000756        | mg/L        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.0000573U      | 0.00500      | 0.0000573        | mg/L        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20807094002    | OMS28-6          | Water         | 07/08/2008 11:45         | 07/09/2008 09:30         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 07/14/2008 02:12 | ADI       | 392648                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .048      | mg/L  | 95         | 75 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .051      | mg/L  | 102        | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .057      | mg/L  | 113        | 85 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .049      | mg/L  | 98         | 70 - 120   |

|                               |                             |                        |  |  |
|-------------------------------|-----------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20807094003 | <b>Client ID</b><br>OMS28-4 | <b>Matrix</b><br>Water | <b>Collect Date/Time</b><br>07/08/2008 13:56 | <b>Receive Date/Time</b><br>07/09/2008 09:30 |
|-------------------------------|-----------------------------|------------------------|--|--|

SW-846 8260B

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>07/14/2008 02:34 | <b>By</b><br>ADI | <b>Analytical Batch</b><br>392648 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#           | Parameter                      | Result           | RDL            | MDL              | Units       |
|----------------|--------------------------------|------------------|----------------|------------------|-------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.0000683U       | 0.00500        | 0.0000683        | mg/L        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000148U        | 0.00500        | 0.000148         | mg/L        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000146U        | 0.00500        | 0.000146         | mg/L        |
| 75-34-3        | 1,1-Dichloroethane             | 0.0000801U       | 0.00500        | 0.0000801        | mg/L        |
| 75-35-4        | 1,1-Dichloroethene             | 0.0000961U       | 0.00500        | 0.0000961        | mg/L        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000223U        | 0.00500        | 0.000223         | mg/L        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.000356U        | 0.00500        | 0.000356         | mg/L        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000158U        | 0.00500        | 0.000158         | mg/L        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000109U        | 0.00500        | 0.000109         | mg/L        |
| 107-06-2       | 1,2-Dichloroethane             | 0.0000663U       | 0.00500        | 0.0000663        | mg/L        |
| 78-87-5        | 1,2-Dichloropropane            | 0.0000555U       | 0.00500        | 0.0000555        | mg/L        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.0000861U       | 0.00500        | 0.0000861        | mg/L        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.0000961U       | 0.00500        | 0.0000961        | mg/L        |
| 78-93-3        | 2-Butanone                     | 0.000487U        | 0.00500        | 0.000487         | mg/L        |
| 591-78-6       | 2-Hexanone                     | 0.000308U        | 0.00500        | 0.000308         | mg/L        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000113U        | 0.00500        | 0.000113         | mg/L        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.00207J</b>  | <b>0.025</b>   | <b>0.0000638</b> | <b>mg/L</b> |
| 71-43-2        | Benzene                        | 0.0000624U       | 0.00500        | 0.0000624        | mg/L        |
| 75-27-4        | Bromodichloromethane           | 0.0000875U       | 0.00500        | 0.0000875        | mg/L        |
| 75-25-2        | Bromoform                      | 0.0000947U       | 0.00500        | 0.0000947        | mg/L        |
| 74-83-9        | Bromomethane                   | 0.000252U        | 0.00500        | 0.000252         | mg/L        |
| 75-15-0        | Carbon disulfide               | 0.000184U        | 0.00500        | 0.000184         | mg/L        |
| 56-23-5        | Carbon tetrachloride           | 0.0000825U       | 0.00500        | 0.0000825        | mg/L        |
| 108-90-7       | Chlorobenzene                  | 0.0000631U       | 0.00500        | 0.0000631        | mg/L        |
| 75-00-3        | Chloroethane                   | 0.0000618U       | 0.00500        | 0.0000618        | mg/L        |
| <b>67-66-3</b> | <b>Chloroform</b>              | <b>0.000219J</b> | <b>0.00500</b> | <b>0.0000426</b> | <b>mg/L</b> |
| 74-87-3        | Chloromethane                  | 0.000249U        | 0.00500        | 0.000249         | mg/L        |
| 110-82-7       | Cyclohexane                    | 0.0000722U       | 0.00500        | 0.0000722        | mg/L        |
| 124-48-1       | Dibromochloromethane           | 0.0000637U       | 0.00500        | 0.0000637        | mg/L        |
| 75-71-8        | Dichlorodifluoromethane        | 0.0000680U       | 0.00500        | 0.0000680        | mg/L        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.0000746U       | 0.00500        | 0.0000746        | mg/L        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.0000702U       | 0.00500        | 0.0000702        | mg/L        |
| 100-41-4       | Ethylbenzene                   | 0.0000924U       | 0.00500        | 0.0000924        | mg/L        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.0000569U       | 0.00500        | 0.0000569        | mg/L        |
| 79-20-9        | Methyl Acetate                 | 0.000375U        | 0.00500        | 0.000375         | mg/L        |
| 108-87-2       | Methylcyclohexane              | 0.0000921U       | 0.00500        | 0.0000921        | mg/L        |
| 75-09-2        | Methylene chloride             | 0.0000765U       | 0.010          | 0.0000765        | mg/L        |
| 91-20-3        | Naphthalene                    | 0.000245U        | 0.00500        | 0.000245         | mg/L        |
| 100-42-5       | Styrene                        | 0.0000821U       | 0.00500        | 0.0000821        | mg/L        |
| 127-18-4       | Tetrachloroethene              | 0.000200U        | 0.00500        | 0.000200         | mg/L        |
| 108-88-3       | Toluene                        | 0.0000675U       | 0.00500        | 0.0000675        | mg/L        |
| 79-01-6        | Trichloroethene                | 0.000164U        | 0.00500        | 0.000164         | mg/L        |
| 75-69-4        | Trichlorofluoromethane         | 0.0000638U       | 0.00500        | 0.0000638        | mg/L        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000168U        | 0.00500        | 0.000168         | mg/L        |
| 75-01-4        | Vinyl chloride                 | 0.0000538U       | 0.00500        | 0.0000538        | mg/L        |
| 1330-20-7      | Xylene (total)                 | 0.000194U        | 0.010          | 0.000194         | mg/L        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.0000745U       | 0.00500        | 0.0000745        | mg/L        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.0000756U       | 0.00500        | 0.0000756        | mg/L        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.0000573U       | 0.00500        | 0.0000573        | mg/L        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20807094003    | OMS28-4          | Water         | 07/08/2008 13:56         | 07/09/2008 09:30         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 07/14/2008 02:34 | ADI       | 392648                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .048      | mg/L  | 96         | 75 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .052      | mg/L  | 104        | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .057      | mg/L  | 113        | 85 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .05       | mg/L  | 100        | 70 - 120   |

|                               |                         |                        |  |  |
|-------------------------------|-------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20807094004 | <b>Client ID</b><br>IDW | <b>Matrix</b><br>Water | <b>Collect Date/Time</b><br>07/08/2008 14:00 | <b>Receive Date/Time</b><br>07/09/2008 09:30 |
|-------------------------------|-------------------------|------------------------|--|--|

SW-846 8260B

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>07/14/2008 02:56 | <b>By</b><br>ADI | <b>Analytical Batch</b><br>392648 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#            | Parameter                      | Result           | RDL            | MDL              | Units       |
|-----------------|--------------------------------|------------------|----------------|------------------|-------------|
| 71-55-6         | 1,1,1-Trichloroethane          | 0.0000683U       | 0.00500        | 0.0000683        | mg/L        |
| 79-34-5         | 1,1,2,2-Tetrachloroethane      | 0.000148U        | 0.00500        | 0.000148         | mg/L        |
| 79-00-5         | 1,1,2-Trichloroethane          | 0.000146U        | 0.00500        | 0.000146         | mg/L        |
| 75-34-3         | 1,1-Dichloroethane             | 0.0000801U       | 0.00500        | 0.0000801        | mg/L        |
| 75-35-4         | 1,1-Dichloroethene             | 0.0000961U       | 0.00500        | 0.0000961        | mg/L        |
| 120-82-1        | 1,2,4-Trichlorobenzene         | 0.000223U        | 0.00500        | 0.000223         | mg/L        |
| 96-12-8         | 1,2-Dibromo-3-chloropropane    | 0.000356U        | 0.00500        | 0.000356         | mg/L        |
| 106-93-4        | 1,2-Dibromoethane              | 0.000158U        | 0.00500        | 0.000158         | mg/L        |
| 95-50-1         | 1,2-Dichlorobenzene            | 0.000109U        | 0.00500        | 0.000109         | mg/L        |
| 107-06-2        | 1,2-Dichloroethane             | 0.0000663U       | 0.00500        | 0.0000663        | mg/L        |
| 78-87-5         | 1,2-Dichloropropane            | 0.0000555U       | 0.00500        | 0.0000555        | mg/L        |
| 541-73-1        | 1,3-Dichlorobenzene            | 0.0000861U       | 0.00500        | 0.0000861        | mg/L        |
| 106-46-7        | 1,4-Dichlorobenzene            | 0.0000961U       | 0.00500        | 0.0000961        | mg/L        |
| 78-93-3         | 2-Butanone                     | 0.000487U        | 0.00500        | 0.000487         | mg/L        |
| 591-78-6        | 2-Hexanone                     | 0.000308U        | 0.00500        | 0.000308         | mg/L        |
| 108-10-1        | 4-Methyl-2-pentanone           | 0.000113U        | 0.00500        | 0.000113         | mg/L        |
| <b>67-64-1</b>  | <b>Acetone</b>                 | <b>0.00563J</b>  | <b>0.025</b>   | <b>0.0000638</b> | <b>mg/L</b> |
| 71-43-2         | Benzene                        | 0.0000624U       | 0.00500        | 0.0000624        | mg/L        |
| 75-27-4         | Bromodichloromethane           | 0.0000875U       | 0.00500        | 0.0000875        | mg/L        |
| 75-25-2         | Bromoform                      | 0.0000947U       | 0.00500        | 0.0000947        | mg/L        |
| 74-83-9         | Bromomethane                   | 0.000252U        | 0.00500        | 0.000252         | mg/L        |
| 75-15-0         | Carbon disulfide               | 0.000184U        | 0.00500        | 0.000184         | mg/L        |
| 56-23-5         | Carbon tetrachloride           | 0.0000825U       | 0.00500        | 0.0000825        | mg/L        |
| 108-90-7        | Chlorobenzene                  | 0.0000631U       | 0.00500        | 0.0000631        | mg/L        |
| 75-00-3         | Chloroethane                   | 0.0000618U       | 0.00500        | 0.0000618        | mg/L        |
| <b>67-66-3</b>  | <b>Chloroform</b>              | <b>0.014</b>     | <b>0.00500</b> | <b>0.0000426</b> | <b>mg/L</b> |
| <b>74-87-3</b>  | <b>Chloromethane</b>           | <b>0.000963J</b> | <b>0.00500</b> | <b>0.000249</b>  | <b>mg/L</b> |
| 110-82-7        | Cyclohexane                    | 0.0000722U       | 0.00500        | 0.0000722        | mg/L        |
| 124-48-1        | Dibromochloromethane           | 0.0000637U       | 0.00500        | 0.0000637        | mg/L        |
| 75-71-8         | Dichlorodifluoromethane        | 0.0000680U       | 0.00500        | 0.0000680        | mg/L        |
| 10061-01-5      | cis-1,3-Dichloropropene        | 0.0000746U       | 0.00500        | 0.0000746        | mg/L        |
| 10061-02-6      | trans-1,3-Dichloropropene      | 0.0000702U       | 0.00500        | 0.0000702        | mg/L        |
| 100-41-4        | Ethylbenzene                   | 0.0000924U       | 0.00500        | 0.0000924        | mg/L        |
| 98-82-8         | Isopropylbenzene (Cumene)      | 0.0000569U       | 0.00500        | 0.0000569        | mg/L        |
| 79-20-9         | Methyl Acetate                 | 0.000375U        | 0.00500        | 0.000375         | mg/L        |
| 108-87-2        | Methylcyclohexane              | 0.0000921U       | 0.00500        | 0.0000921        | mg/L        |
| <b>75-09-2</b>  | <b>Methylene chloride</b>      | <b>0.00278J</b>  | <b>0.010</b>   | <b>0.0000765</b> | <b>mg/L</b> |
| 91-20-3         | Naphthalene                    | 0.000245U        | 0.00500        | 0.000245         | mg/L        |
| 100-42-5        | Styrene                        | 0.0000821U       | 0.00500        | 0.0000821        | mg/L        |
| 127-18-4        | Tetrachloroethene              | 0.000200U        | 0.00500        | 0.000200         | mg/L        |
| <b>108-88-3</b> | <b>Toluene</b>                 | <b>0.000369J</b> | <b>0.00500</b> | <b>0.0000675</b> | <b>mg/L</b> |
| 79-01-6         | Trichloroethene                | 0.000164U        | 0.00500        | 0.000164         | mg/L        |
| 75-69-4         | Trichlorofluoromethane         | 0.0000638U       | 0.00500        | 0.0000638        | mg/L        |
| 76-13-1         | Trichlorotrifluoroethane       | 0.000168U        | 0.00500        | 0.000168         | mg/L        |
| 75-01-4         | Vinyl chloride                 | 0.0000538U       | 0.00500        | 0.0000538        | mg/L        |
| 1330-20-7       | Xylene (total)                 | 0.000194U        | 0.010          | 0.000194         | mg/L        |
| 156-59-2        | cis-1,2-Dichloroethene         | 0.0000745U       | 0.00500        | 0.0000745        | mg/L        |
| 1634-04-4       | tert-Butyl methyl ether (MTBE) | 0.0000756U       | 0.00500        | 0.0000756        | mg/L        |
| 156-60-5        | trans-1,2-Dichloroethene       | 0.0000573U       | 0.00500        | 0.0000573        | mg/L        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20807094004    | IDW              | Water         | 07/08/2008 14:00         | 07/09/2008 09:30         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 07/14/2008 02:56 | ADI       | 392648                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .047      | mg/L  | 95         | 75 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .051      | mg/L  | 102        | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .055      | mg/L  | 110        | 85 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .049      | mg/L  | 98         | 70 - 120   |

|                               |                               |                        |  |  |
|-------------------------------|-------------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20807094005 | <b>Client ID</b><br>RINSATE-2 | <b>Matrix</b><br>Water | <b>Collect Date/Time</b><br>07/08/2008 08:05 | <b>Receive Date/Time</b><br>07/09/2008 09:30 |
|-------------------------------|-------------------------------|------------------------|--|--|

SW-846 8260B

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>07/14/2008 03:18 | <b>By</b><br>ADI | <b>Analytical Batch</b><br>392648 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#           | Parameter                      | Result           | RDL            | MDL              | Units       |
|----------------|--------------------------------|------------------|----------------|------------------|-------------|
| 71-55-6        | 1,1,1-Trichloroethane          | 0.0000683U       | 0.00500        | 0.0000683        | mg/L        |
| 79-34-5        | 1,1,2,2-Tetrachloroethane      | 0.000148U        | 0.00500        | 0.000148         | mg/L        |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.000146U        | 0.00500        | 0.000146         | mg/L        |
| 75-34-3        | 1,1-Dichloroethane             | 0.0000801U       | 0.00500        | 0.0000801        | mg/L        |
| 75-35-4        | 1,1-Dichloroethene             | 0.0000961U       | 0.00500        | 0.0000961        | mg/L        |
| 120-82-1       | 1,2,4-Trichlorobenzene         | 0.000223U        | 0.00500        | 0.000223         | mg/L        |
| 96-12-8        | 1,2-Dibromo-3-chloropropane    | 0.000356U        | 0.00500        | 0.000356         | mg/L        |
| 106-93-4       | 1,2-Dibromoethane              | 0.000158U        | 0.00500        | 0.000158         | mg/L        |
| 95-50-1        | 1,2-Dichlorobenzene            | 0.000109U        | 0.00500        | 0.000109         | mg/L        |
| 107-06-2       | 1,2-Dichloroethane             | 0.0000663U       | 0.00500        | 0.0000663        | mg/L        |
| 78-87-5        | 1,2-Dichloropropane            | 0.0000555U       | 0.00500        | 0.0000555        | mg/L        |
| 541-73-1       | 1,3-Dichlorobenzene            | 0.0000861U       | 0.00500        | 0.0000861        | mg/L        |
| 106-46-7       | 1,4-Dichlorobenzene            | 0.0000961U       | 0.00500        | 0.0000961        | mg/L        |
| 78-93-3        | 2-Butanone                     | 0.000487U        | 0.00500        | 0.000487         | mg/L        |
| 591-78-6       | 2-Hexanone                     | 0.000308U        | 0.00500        | 0.000308         | mg/L        |
| 108-10-1       | 4-Methyl-2-pentanone           | 0.000113U        | 0.00500        | 0.000113         | mg/L        |
| <b>67-64-1</b> | <b>Acetone</b>                 | <b>0.00345J</b>  | <b>0.025</b>   | <b>0.0000638</b> | <b>mg/L</b> |
| 71-43-2        | Benzene                        | 0.0000624U       | 0.00500        | 0.0000624        | mg/L        |
| 75-27-4        | Bromodichloromethane           | 0.0000875U       | 0.00500        | 0.0000875        | mg/L        |
| 75-25-2        | Bromoform                      | 0.0000947U       | 0.00500        | 0.0000947        | mg/L        |
| 74-83-9        | Bromomethane                   | 0.000252U        | 0.00500        | 0.000252         | mg/L        |
| 75-15-0        | Carbon disulfide               | 0.000184U        | 0.00500        | 0.000184         | mg/L        |
| 56-23-5        | Carbon tetrachloride           | 0.0000825U       | 0.00500        | 0.0000825        | mg/L        |
| 108-90-7       | Chlorobenzene                  | 0.0000631U       | 0.00500        | 0.0000631        | mg/L        |
| 75-00-3        | Chloroethane                   | 0.0000618U       | 0.00500        | 0.0000618        | mg/L        |
| 67-66-3        | Chloroform                     | 0.0000426U       | 0.00500        | 0.0000426        | mg/L        |
| <b>74-87-3</b> | <b>Chloromethane</b>           | <b>0.00133J</b>  | <b>0.00500</b> | <b>0.000249</b>  | <b>mg/L</b> |
| 110-82-7       | Cyclohexane                    | 0.0000722U       | 0.00500        | 0.0000722        | mg/L        |
| 124-48-1       | Dibromochloromethane           | 0.0000637U       | 0.00500        | 0.0000637        | mg/L        |
| 75-71-8        | Dichlorodifluoromethane        | 0.0000680U       | 0.00500        | 0.0000680        | mg/L        |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.0000746U       | 0.00500        | 0.0000746        | mg/L        |
| 10061-02-6     | trans-1,3-Dichloropropene      | 0.0000702U       | 0.00500        | 0.0000702        | mg/L        |
| 100-41-4       | Ethylbenzene                   | 0.0000924U       | 0.00500        | 0.0000924        | mg/L        |
| 98-82-8        | Isopropylbenzene (Cumene)      | 0.0000569U       | 0.00500        | 0.0000569        | mg/L        |
| 79-20-9        | Methyl Acetate                 | 0.000375U        | 0.00500        | 0.000375         | mg/L        |
| 108-87-2       | Methylcyclohexane              | 0.0000921U       | 0.00500        | 0.0000921        | mg/L        |
| <b>75-09-2</b> | <b>Methylene chloride</b>      | <b>0.000800J</b> | <b>0.010</b>   | <b>0.0000765</b> | <b>mg/L</b> |
| 91-20-3        | Naphthalene                    | 0.000245U        | 0.00500        | 0.000245         | mg/L        |
| 100-42-5       | Styrene                        | 0.0000821U       | 0.00500        | 0.0000821        | mg/L        |
| 127-18-4       | Tetrachloroethene              | 0.000200U        | 0.00500        | 0.000200         | mg/L        |
| 108-88-3       | Toluene                        | 0.0000675U       | 0.00500        | 0.0000675        | mg/L        |
| 79-01-6        | Trichloroethene                | 0.000164U        | 0.00500        | 0.000164         | mg/L        |
| 75-69-4        | Trichlorofluoromethane         | 0.0000638U       | 0.00500        | 0.0000638        | mg/L        |
| 76-13-1        | Trichlorotrifluoroethane       | 0.000168U        | 0.00500        | 0.000168         | mg/L        |
| 75-01-4        | Vinyl chloride                 | 0.0000538U       | 0.00500        | 0.0000538        | mg/L        |
| 1330-20-7      | Xylene (total)                 | 0.000194U        | 0.010          | 0.000194         | mg/L        |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.0000745U       | 0.00500        | 0.0000745        | mg/L        |
| 1634-04-4      | tert-Butyl methyl ether (MTBE) | 0.0000756U       | 0.00500        | 0.0000756        | mg/L        |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.0000573U       | 0.00500        | 0.0000573        | mg/L        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20807094005    | RINSATE-2        | Water         | 07/08/2008 08:05         | 07/09/2008 09:30         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 07/14/2008 03:18 | ADI       | 392648                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .047      | mg/L  | 93         | 75 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .051      | mg/L  | 102        | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .055      | mg/L  | 110        | 85 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .05       | mg/L  | 100        | 70 - 120   |

|                               |                           |                        |  |  |
|-------------------------------|---------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20807094006 | <b>Client ID</b><br>DUP-2 | <b>Matrix</b><br>Water | <b>Collect Date/Time</b><br>07/08/2008 00:00 | <b>Receive Date/Time</b><br>07/09/2008 09:30 |
|-------------------------------|---------------------------|------------------------|--|--|

SW-846 8260B

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>07/14/2008 03:40 | <b>By</b><br>ADI | <b>Analytical Batch</b><br>392648 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#            | Parameter                      | Result           | RDL            | MDL              | Units       |
|-----------------|--------------------------------|------------------|----------------|------------------|-------------|
| 71-55-6         | 1,1,1-Trichloroethane          | 0.0000683U       | 0.00500        | 0.0000683        | mg/L        |
| 79-34-5         | 1,1,2,2-Tetrachloroethane      | 0.000148U        | 0.00500        | 0.000148         | mg/L        |
| 79-00-5         | 1,1,2-Trichloroethane          | 0.000146U        | 0.00500        | 0.000146         | mg/L        |
| 75-34-3         | 1,1-Dichloroethane             | 0.0000801U       | 0.00500        | 0.0000801        | mg/L        |
| 75-35-4         | 1,1-Dichloroethene             | 0.0000961U       | 0.00500        | 0.0000961        | mg/L        |
| 120-82-1        | 1,2,4-Trichlorobenzene         | 0.000223U        | 0.00500        | 0.000223         | mg/L        |
| 96-12-8         | 1,2-Dibromo-3-chloropropane    | 0.000356U        | 0.00500        | 0.000356         | mg/L        |
| 106-93-4        | 1,2-Dibromoethane              | 0.000158U        | 0.00500        | 0.000158         | mg/L        |
| 95-50-1         | 1,2-Dichlorobenzene            | 0.000109U        | 0.00500        | 0.000109         | mg/L        |
| 107-06-2        | 1,2-Dichloroethane             | 0.0000663U       | 0.00500        | 0.0000663        | mg/L        |
| 78-87-5         | 1,2-Dichloropropane            | 0.0000555U       | 0.00500        | 0.0000555        | mg/L        |
| 541-73-1        | 1,3-Dichlorobenzene            | 0.0000861U       | 0.00500        | 0.0000861        | mg/L        |
| 106-46-7        | 1,4-Dichlorobenzene            | 0.0000961U       | 0.00500        | 0.0000961        | mg/L        |
| 78-93-3         | 2-Butanone                     | 0.000487U        | 0.00500        | 0.000487         | mg/L        |
| 591-78-6        | 2-Hexanone                     | 0.000308U        | 0.00500        | 0.000308         | mg/L        |
| 108-10-1        | 4-Methyl-2-pentanone           | 0.000113U        | 0.00500        | 0.000113         | mg/L        |
| <b>67-64-1</b>  | <b>Acetone</b>                 | <b>0.00678J</b>  | <b>0.025</b>   | <b>0.0000638</b> | <b>mg/L</b> |
| 71-43-2         | Benzene                        | 0.0000624U       | 0.00500        | 0.0000624        | mg/L        |
| 75-27-4         | Bromodichloromethane           | 0.0000875U       | 0.00500        | 0.0000875        | mg/L        |
| 75-25-2         | Bromoform                      | 0.0000947U       | 0.00500        | 0.0000947        | mg/L        |
| 74-83-9         | Bromomethane                   | 0.000252U        | 0.00500        | 0.000252         | mg/L        |
| 75-15-0         | Carbon disulfide               | 0.000184U        | 0.00500        | 0.000184         | mg/L        |
| 56-23-5         | Carbon tetrachloride           | 0.0000825U       | 0.00500        | 0.0000825        | mg/L        |
| 108-90-7        | Chlorobenzene                  | 0.0000631U       | 0.00500        | 0.0000631        | mg/L        |
| 75-00-3         | Chloroethane                   | 0.0000618U       | 0.00500        | 0.0000618        | mg/L        |
| <b>67-66-3</b>  | <b>Chloroform</b>              | <b>0.045</b>     | <b>0.00500</b> | <b>0.0000426</b> | <b>mg/L</b> |
| <b>74-87-3</b>  | <b>Chloromethane</b>           | <b>0.00184J</b>  | <b>0.00500</b> | <b>0.000249</b>  | <b>mg/L</b> |
| 110-82-7        | Cyclohexane                    | 0.0000722U       | 0.00500        | 0.0000722        | mg/L        |
| 124-48-1        | Dibromochloromethane           | 0.0000637U       | 0.00500        | 0.0000637        | mg/L        |
| 75-71-8         | Dichlorodifluoromethane        | 0.0000680U       | 0.00500        | 0.0000680        | mg/L        |
| 10061-01-5      | cis-1,3-Dichloropropene        | 0.0000746U       | 0.00500        | 0.0000746        | mg/L        |
| 10061-02-6      | trans-1,3-Dichloropropene      | 0.0000702U       | 0.00500        | 0.0000702        | mg/L        |
| 100-41-4        | Ethylbenzene                   | 0.0000924U       | 0.00500        | 0.0000924        | mg/L        |
| 98-82-8         | Isopropylbenzene (Cumene)      | 0.0000569U       | 0.00500        | 0.0000569        | mg/L        |
| 79-20-9         | Methyl Acetate                 | 0.000375U        | 0.00500        | 0.000375         | mg/L        |
| 108-87-2        | Methylcyclohexane              | 0.0000921U       | 0.00500        | 0.0000921        | mg/L        |
| <b>75-09-2</b>  | <b>Methylene chloride</b>      | <b>0.00907J</b>  | <b>0.010</b>   | <b>0.0000765</b> | <b>mg/L</b> |
| 91-20-3         | Naphthalene                    | 0.000245U        | 0.00500        | 0.000245         | mg/L        |
| 100-42-5        | Styrene                        | 0.0000821U       | 0.00500        | 0.0000821        | mg/L        |
| 127-18-4        | Tetrachloroethene              | 0.000200U        | 0.00500        | 0.000200         | mg/L        |
| <b>108-88-3</b> | <b>Toluene</b>                 | <b>0.000434J</b> | <b>0.00500</b> | <b>0.0000675</b> | <b>mg/L</b> |
| 79-01-6         | Trichloroethene                | 0.000164U        | 0.00500        | 0.000164         | mg/L        |
| 75-69-4         | Trichlorofluoromethane         | 0.0000638U       | 0.00500        | 0.0000638        | mg/L        |
| 76-13-1         | Trichlorotrifluoroethane       | 0.000168U        | 0.00500        | 0.000168         | mg/L        |
| 75-01-4         | Vinyl chloride                 | 0.0000538U       | 0.00500        | 0.0000538        | mg/L        |
| 1330-20-7       | Xylene (total)                 | 0.000194U        | 0.010          | 0.000194         | mg/L        |
| 156-59-2        | cis-1,2-Dichloroethene         | 0.0000745U       | 0.00500        | 0.0000745        | mg/L        |
| 1634-04-4       | tert-Butyl methyl ether (MTBE) | 0.0000756U       | 0.00500        | 0.0000756        | mg/L        |
| 156-60-5        | trans-1,2-Dichloroethene       | 0.0000573U       | 0.00500        | 0.0000573        | mg/L        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20807094006    | DUP-2            | Water         | 07/08/2008 00:00         | 07/09/2008 09:30         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 07/14/2008 03:40 | ADI       | 392648                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .049      | mg/L  | 97         | 75 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .051      | mg/L  | 102        | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .055      | mg/L  | 109        | 85 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .05       | mg/L  | 99         | 70 - 120   |

|                               |                                |                        |  |  |
|-------------------------------|--------------------------------|------------------------|--|--|
| <b>GCAL ID</b><br>20807094007 | <b>Client ID</b><br>TRIP BLANK | <b>Matrix</b><br>Water | <b>Collect Date/Time</b><br>07/08/2008 00:00 | <b>Receive Date/Time</b><br>07/09/2008 09:30 |
|-------------------------------|--------------------------------|------------------------|--|--|

SW-846 8260B

|                  |                   |                    |                      |                                     |                  |                                   |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b><br>1 | <b>Analyzed</b><br>07/14/2008 04:03 | <b>By</b><br>ADI | <b>Analytical Batch</b><br>392648 |
|------------------|-------------------|--------------------|----------------------|-------------------------------------|------------------|-----------------------------------|

| CAS#            | Parameter                      | Result           | RDL            | MDL              | Units       |
|-----------------|--------------------------------|------------------|----------------|------------------|-------------|
| 71-55-6         | 1,1,1-Trichloroethane          | 0.0000683U       | 0.00500        | 0.0000683        | mg/L        |
| 79-34-5         | 1,1,2,2-Tetrachloroethane      | 0.000148U        | 0.00500        | 0.000148         | mg/L        |
| 79-00-5         | 1,1,2-Trichloroethane          | 0.000146U        | 0.00500        | 0.000146         | mg/L        |
| 75-34-3         | 1,1-Dichloroethane             | 0.0000801U       | 0.00500        | 0.0000801        | mg/L        |
| 75-35-4         | 1,1-Dichloroethene             | 0.0000961U       | 0.00500        | 0.0000961        | mg/L        |
| 120-82-1        | 1,2,4-Trichlorobenzene         | 0.000223U        | 0.00500        | 0.000223         | mg/L        |
| 96-12-8         | 1,2-Dibromo-3-chloropropane    | 0.000356U        | 0.00500        | 0.000356         | mg/L        |
| 106-93-4        | 1,2-Dibromoethane              | 0.000158U        | 0.00500        | 0.000158         | mg/L        |
| 95-50-1         | 1,2-Dichlorobenzene            | 0.000109U        | 0.00500        | 0.000109         | mg/L        |
| 107-06-2        | 1,2-Dichloroethane             | 0.0000663U       | 0.00500        | 0.0000663        | mg/L        |
| 78-87-5         | 1,2-Dichloropropane            | 0.0000555U       | 0.00500        | 0.0000555        | mg/L        |
| 541-73-1        | 1,3-Dichlorobenzene            | 0.0000861U       | 0.00500        | 0.0000861        | mg/L        |
| 106-46-7        | 1,4-Dichlorobenzene            | 0.0000961U       | 0.00500        | 0.0000961        | mg/L        |
| 78-93-3         | 2-Butanone                     | 0.000487U        | 0.00500        | 0.000487         | mg/L        |
| 591-78-6        | 2-Hexanone                     | 0.000308U        | 0.00500        | 0.000308         | mg/L        |
| 108-10-1        | 4-Methyl-2-pentanone           | 0.000113U        | 0.00500        | 0.000113         | mg/L        |
| <b>67-64-1</b>  | <b>Acetone</b>                 | <b>0.00181J</b>  | <b>0.025</b>   | <b>0.0000638</b> | <b>mg/L</b> |
| 71-43-2         | Benzene                        | 0.0000624U       | 0.00500        | 0.0000624        | mg/L        |
| 75-27-4         | Bromodichloromethane           | 0.0000875U       | 0.00500        | 0.0000875        | mg/L        |
| <b>75-25-2</b>  | <b>Bromoform</b>               | <b>0.00150J</b>  | <b>0.00500</b> | <b>0.0000947</b> | <b>mg/L</b> |
| 74-83-9         | Bromomethane                   | 0.000252U        | 0.00500        | 0.000252         | mg/L        |
| 75-15-0         | Carbon disulfide               | 0.000184U        | 0.00500        | 0.000184         | mg/L        |
| 56-23-5         | Carbon tetrachloride           | 0.0000825U       | 0.00500        | 0.0000825        | mg/L        |
| 108-90-7        | Chlorobenzene                  | 0.0000631U       | 0.00500        | 0.0000631        | mg/L        |
| 75-00-3         | Chloroethane                   | 0.0000618U       | 0.00500        | 0.0000618        | mg/L        |
| 67-66-3         | Chloroform                     | 0.0000426U       | 0.00500        | 0.0000426        | mg/L        |
| 74-87-3         | Chloromethane                  | 0.000249U        | 0.00500        | 0.000249         | mg/L        |
| 110-82-7        | Cyclohexane                    | 0.0000722U       | 0.00500        | 0.0000722        | mg/L        |
| <b>124-48-1</b> | <b>Dibromochloromethane</b>    | <b>0.000939J</b> | <b>0.00500</b> | <b>0.0000637</b> | <b>mg/L</b> |
| 75-71-8         | Dichlorodifluoromethane        | 0.0000680U       | 0.00500        | 0.0000680        | mg/L        |
| 10061-01-5      | cis-1,3-Dichloropropene        | 0.0000746U       | 0.00500        | 0.0000746        | mg/L        |
| 10061-02-6      | trans-1,3-Dichloropropene      | 0.0000702U       | 0.00500        | 0.0000702        | mg/L        |
| 100-41-4        | Ethylbenzene                   | 0.0000924U       | 0.00500        | 0.0000924        | mg/L        |
| 98-82-8         | Isopropylbenzene (Cumene)      | 0.0000569U       | 0.00500        | 0.0000569        | mg/L        |
| 79-20-9         | Methyl Acetate                 | 0.000375U        | 0.00500        | 0.000375         | mg/L        |
| 108-87-2        | Methylcyclohexane              | 0.0000921U       | 0.00500        | 0.0000921        | mg/L        |
| 75-09-2         | Methylene chloride             | 0.0000765U       | 0.010          | 0.0000765        | mg/L        |
| 91-20-3         | Naphthalene                    | 0.000245U        | 0.00500        | 0.000245         | mg/L        |
| 100-42-5        | Styrene                        | 0.0000821U       | 0.00500        | 0.0000821        | mg/L        |
| 127-18-4        | Tetrachloroethene              | 0.000200U        | 0.00500        | 0.000200         | mg/L        |
| 108-88-3        | Toluene                        | 0.0000675U       | 0.00500        | 0.0000675        | mg/L        |
| 79-01-6         | Trichloroethene                | 0.000164U        | 0.00500        | 0.000164         | mg/L        |
| 75-69-4         | Trichlorofluoromethane         | 0.0000638U       | 0.00500        | 0.0000638        | mg/L        |
| 76-13-1         | Trichlorotrifluoroethane       | 0.000168U        | 0.00500        | 0.000168         | mg/L        |
| 75-01-4         | Vinyl chloride                 | 0.0000538U       | 0.00500        | 0.0000538        | mg/L        |
| 1330-20-7       | Xylene (total)                 | 0.000194U        | 0.010          | 0.000194         | mg/L        |
| 156-59-2        | cis-1,2-Dichloroethene         | 0.0000745U       | 0.00500        | 0.0000745        | mg/L        |
| 1634-04-4       | tert-Butyl methyl ether (MTBE) | 0.0000756U       | 0.00500        | 0.0000756        | mg/L        |
| 156-60-5        | trans-1,2-Dichloroethene       | 0.0000573U       | 0.00500        | 0.0000573        | mg/L        |

|                |                  |               |                          |                          |
|----------------|------------------|---------------|--------------------------|--------------------------|
| <b>GCAL ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Collect Date/Time</b> | <b>Receive Date/Time</b> |
| 20807094007    | TRIP BLANK       | Water         | 07/08/2008 00:00         | 07/09/2008 09:30         |

SW-846 8260B

|                  |                   |                    |                 |                  |           |                         |
|------------------|-------------------|--------------------|-----------------|------------------|-----------|-------------------------|
| <b>Prep Date</b> | <b>Prep Batch</b> | <b>Prep Method</b> | <b>Dilution</b> | <b>Analyzed</b>  | <b>By</b> | <b>Analytical Batch</b> |
|                  |                   |                    | 1               | 07/14/2008 04:03 | ADI       | 392648                  |

| CAS#       | Surrogate             | Conc. Spiked | Conc. Rec | Units | % Recovery | Rec Limits |
|------------|-----------------------|--------------|-----------|-------|------------|------------|
| 460-00-4   | 4-Bromofluorobenzene  | .05          | .047      | mg/L  | 95         | 75 - 120   |
| 1868-53-7  | Dibromofluoromethane  | .05          | .051      | mg/L  | 102        | 85 - 115   |
| 2037-26-5  | Toluene d8            | .05          | .056      | mg/L  | 111        | 85 - 120   |
| 17060-07-0 | 1,2-Dichloroethane-d4 | .05          | .05       | mg/L  | 99         | 70 - 120   |

# GC/MS Volatiles Quality Control Summary

| Analytical Batch 392648<br>Prep Batch N/A |                             | Client ID MB392648<br>GCAL ID 625109<br>Sample Type Method Blank<br>Analytical Date 07/13/2008 19:44<br>Matrix Water |           | LCS392648<br>625110<br>LCS<br>07/13/2008 18:23<br>Water |        |     | LCSD392648<br>625111<br>LCSD<br>07/13/2008 18:45<br>Water |        |     |     |       |
|---|-----------------------------|--|-----------|---|--------|-----|---|--------|-----|-----|-------|
| SW-846 8260B                              |                             | Units  | mg/L      | Spike   | Result | % R | Control   | Result | % R | RPD | RPD   |
|   |                             | Result   | RDL       | Added   |        |     | Limits % R  |        |     |     | Limit |
| 67-64-1                                   | Acetone                     | 0.0000638U   | 0.0000638 | 0.050   | 0.051  | 102 | 40 - 140  | 0.048  | 95  | 6   | 30    |
| 75-27-4                                   | Bromodichloromethane        | 0.0000875U   | 0.0000875 | 0.050   | 0.053  | 106 | 75 - 120  | 0.050  | 101 | 6   | 30    |
| 75-25-2                                   | Bromoform                   | 0.0000947U   | 0.0000947 | 0.050   | 0.054  | 108 | 70 - 130  | 0.054  | 107 | 0   | 30    |
| 74-83-9                                   | Bromomethane                | 0.000252U  | 0.000252  | 0.050   | 0.058  | 115 | 30 - 145  | 0.055  | 111 | 5   | 30    |
| 75-15-0                                   | Carbon disulfide            | 0.000184U  | 0.000184  | 0.050   | 0.059  | 117 | 35 - 160  | 0.052  | 103 | 13  | 30    |
| 56-23-5                                   | Carbon tetrachloride        | 0.0000825U   | 0.0000825 | 0.050   | 0.051  | 102 | 65 - 140  | 0.048  | 96  | 6   | 30    |
| 75-00-3                                   | Chloroethane                | 0.0000618U   | 0.0000618 | 0.050   | 0.060  | 120 | 60 - 135  | 0.055  | 111 | 9   | 30    |
| 67-66-3                                   | Chloroform                  | 0.0000426U   | 0.0000426 | 0.050   | 0.048  | 96  | 65 - 135  | 0.046  | 92  | 4   | 30    |
| 74-87-3                                   | Chloromethane               | 0.000249U  | 0.000249  | 0.050   | 0.054  | 107 | 40 - 125  | 0.050  | 100 | 8   | 30    |
| 124-48-1                                  | Dibromochloromethane        | 0.0000637U   | 0.0000637 | 0.050   | 0.048  | 97  | 60 - 135  | 0.049  | 97  | 2   | 30    |
| 75-71-8                                   | Dichlorodifluoromethane     | 0.0000680U   | 0.0000680 | 0.050   | 0.054  | 107 | 30 - 155  | 0.048  | 97  | 12  | 30    |
| 75-34-3                                   | 1,1-Dichloroethane          | 0.0000801U   | 0.0000801 | 0.050   | 0.050  | 101 | 70 - 135  | 0.048  | 95  | 4   | 30    |
| 107-06-2                                  | 1,2-Dichloroethane          | 0.0000663U   | 0.0000663 | 0.050   | 0.051  | 101 | 70 - 130  | 0.048  | 96  | 6   | 30    |
| 156-59-2                                  | cis-1,2-Dichloroethene      | 0.0000745U   | 0.0000745 | 0.050   | 0.058  | 115 | 70 - 125  | 0.054  | 108 | 7   | 30    |
| 156-60-5                                  | trans-1,2-Dichloroethene    | 0.0000573U   | 0.0000573 | 0.050   | 0.053  | 106 | 60 - 140  | 0.049  | 97  | 8   | 30    |
| 75-09-2                                   | Methylene chloride          | 0.0000765U   | 0.0000765 | 0.050   | 0.050  | 100 | 55 - 140  | 0.047  | 95  | 6   | 30    |
| 78-87-5                                   | 1,2-Dichloropropane         | 0.0000555U   | 0.0000555 | 0.050   | 0.051  | 101 | 75 - 125  | 0.049  | 98  | 4   | 30    |
| 10061-01-5                                | cis-1,3-Dichloropropene     | 0.0000746U   | 0.0000746 | 0.050   | 0.051  | 101 | 70 - 130  | 0.048  | 96  | 6   | 30    |
| 10061-02-6                                | trans-1,3-Dichloropropene   | 0.0000702U   | 0.0000702 | 0.050   | 0.052  | 103 | 55 - 140  | 0.048  | 96  | 8   | 30    |
| 100-41-4                                  | Ethylbenzene                | 0.0000924U   | 0.0000924 | 0.050   | 0.054  | 107 | 75 - 125  | 0.052  | 104 | 4   | 30    |
| 591-78-6                                  | 2-Hexanone                  | 0.000308U  | 0.000308  | 0.050   | 0.043  | 86  | 55 - 130  | 0.044  | 87  | 2   | 30    |
| 98-82-8                                   | Isopropylbenzene (Cumene)   | 0.0000569U   | 0.0000569 | 0.050   | 0.051  | 102 | 75 - 125  | 0.049  | 97  | 4   | 30    |
| 78-93-3                                   | 2-Butanone                  | 0.000487U  | 0.000487  | 0.050   | 0.054  | 108 | 30 - 150  | 0.054  | 109 | 0   | 30    |
| 108-10-1                                  | 4-Methyl-2-pentanone        | 0.000113U  | 0.000113  | 0.050   | 0.046  | 93  | 60 - 135  | 0.045  | 90  | 2   | 30    |
| 100-42-5                                  | Styrene                     | 0.0000821U   | 0.0000821 | 0.050   | 0.050  | 99  | 65 - 135  | 0.049  | 97  | 2   | 30    |
| 127-18-4                                  | Tetrachloroethene           | 0.000200U  | 0.000200  | 0.050   | 0.051  | 102 | 45 - 150  | 0.051  | 102 | 0   | 30    |
| 79-34-5                                   | 1,1,2,2-Tetrachloroethane   | 0.000148U  | 0.000148  | 0.050   | 0.052  | 104 | 65 - 130  | 0.052  | 104 | 0   | 30    |
| 120-82-1                                  | 1,2,4-Trichlorobenzene      | 0.000223U  | 0.000223  | 0.050   | 0.053  | 106 | 65 - 135  | 0.047  | 95  | 12  | 30    |
| 71-55-6                                   | 1,1,1-Trichloroethane       | 0.0000683U   | 0.0000683 | 0.050   | 0.050  | 100 | 65 - 130  | 0.048  | 95  | 4   | 30    |
| 79-00-5                                   | 1,1,2-Trichloroethane       | 0.000146U  | 0.000146  | 0.050   | 0.048  | 97  | 75 - 125  | 0.048  | 95  | 0   | 30    |
| 75-69-4                                   | Trichlorofluoromethane      | 0.0000638U   | 0.0000638 | 0.050   | 0.053  | 106 | 60 - 145  | 0.049  | 98  | 8   | 30    |
| 75-01-4                                   | Vinyl chloride              | 0.0000538U   | 0.0000538 | 0.050   | 0.060  | 120 | 50 - 145  | 0.054  | 109 | 11  | 30    |
| 96-12-8                                   | 1,2-Dibromo-3-chloropropane | 0.000356U  | 0.000356  | 0.050   | 0.048  | 96  | 50 - 130  | 0.049  | 99  | 2   | 30    |

# GC/MS Volatiles Quality Control Summary

| Analytical Batch 392648<br>Prep Batch N/A |                                | Client ID MB392648<br>GCAL ID 625109<br>Sample Type Method Blank<br>Analytical Date 07/13/2008 19:44<br>Matrix Water |           | LCS392648<br>625110<br>LCS<br>07/13/2008 18:23<br>Water |        |     | LCSD392648<br>625111<br>LCSD<br>07/13/2008 18:45<br>Water |        |     |     |       |
|---|--------------------------------|--|-----------|---|--------|-----|---|--------|-----|-----|-------|
| <b>SW-846 8260B</b>                       |                                | Units  | mg/L      | Spike   | Result | % R | Control   | Result | % R | RPD | RPD   |
|   |                                | Result   | RDL       | Added   |        |     | Limits % R  |        |     |     | Limit |
| 106-93-4                                  | 1,2-Dibromoethane              | 0.000158U  | 0.000158  | 0.050   | 0.053  | 106 | 80 - 120  | 0.053  | 107 | 0   | 30    |
| 1634-04-4                                 | tert-Butyl methyl ether (MTBE) | 0.0000756U   | 0.0000756 | 0.050   | 0.053  | 106 | 65 - 125  | 0.052  | 103 | 2   | 30    |
| 1330-20-7                                 | Xylene (total)                 | 0.000194U  | 0.000194  | 0.150   | 0.150  | 100 | 75 - 130  | 0.146  | 97  | 3   | 30    |
| 108-87-2                                  | Methylcyclohexane              | 0.0000921U   | 0.0000921 | 0.050   | 0.054  | 107 | 77 - 123  | 0.047  | 94  | 14  | 30    |
| 110-82-7                                  | Cyclohexane                    | 0.0000722U   | 0.0000722 | 0.050   | 0.052  | 103 | 71 - 127  | 0.048  | 95  | 8   | 30    |
| 79-20-9                                   | Methyl Acetate                 | 0.000375U  | 0.000375  | 0.050   | 0.047  | 93  | 55 - 134  | 0.047  | 93  | 0   | 30    |
| 76-13-1                                   | Trichlorotrifluoroethane       | 0.000168U  | 0.000168  | 0.050   | 0.052  | 105 | 72 - 130  | 0.049  | 97  | 6   | 30    |
| 541-73-1                                  | 1,3-Dichlorobenzene            | 0.0000861U   | 0.0000861 | 0.050   | 0.058  | 116 | 65 - 130  | 0.055  | 111 | 5   | 30    |
| 106-46-7                                  | 1,4-Dichlorobenzene            | 0.0000961U   | 0.0000961 | 0.050   | 0.051  | 103 | 65 - 130  | 0.049  | 98  | 4   | 30    |
| 95-50-1                                   | 1,2-Dichlorobenzene            | 0.000109U  | 0.000109  | 0.050   | 0.058  | 115 | 70 - 120  | 0.056  | 111 | 4   | 30    |
| 91-20-3                                   | Naphthalene                    | 0.000245U  | 0.000245  | 0.050   | 0.050  | 99  | 55 - 140  | 0.048  | 96  | 4   | 30    |
| 75-35-4                                   | 1,1-Dichloroethene             | 0.0000961U   | 0.0000961 | 0.050   | 0.053  | 106 | 70 - 130  | 0.049  | 98  | 8   | 30    |
| 71-43-2                                   | Benzene                        | 0.0000624U   | 0.0000624 | 0.050   | 0.050  | 100 | 80 - 120  | 0.048  | 96  | 4   | 30    |
| 79-01-6                                   | Trichloroethene                | 0.000164U  | 0.000164  | 0.050   | 0.054  | 109 | 70 - 125  | 0.051  | 102 | 6   | 30    |
| 108-88-3                                  | Toluene                        | 0.0000675U   | 0.0000675 | 0.050   | 0.050  | 100 | 75 - 120  | 0.049  | 98  | 2   | 30    |
| 108-90-7                                  | Chlorobenzene                  | 0.0000631U   | 0.0000631 | 0.050   | 0.049  | 99  | 80 - 120  | 0.048  | 96  | 2   | 30    |
| <b>Surrogate</b>                          |                                |  |           |   |        |     |   |        |     |     |       |
| 460-00-4                                  | 4-Bromofluorobenzene           | 47.8   | 96        | 50  | 48.8   | 98  | 75 - 120  | 50.7   | 101 |     |       |
| 1868-53-7                                 | Dibromofluoromethane           | 51.9   | 104       | 50  | 48.6   | 97  | 85 - 115  | 49.1   | 98  |     |       |
| 2037-26-5                                 | Toluene d8                     | 55.7   | 111       | 50  | 45     | 90  | 85 - 120  | 46.7   | 93  |     |       |
| 17060-07-0                                | 1,2-Dichloroethane-d4          | 51   | 102       | 50  | 49.4   | 99  | 70 - 120  | 49.1   | 98  |     |       |

| Analytical Batch 392648<br>Prep Batch N/A |                      | Client ID MW-12<br>GCAL ID 20807032001<br>Sample Type SAMPLE<br>Analytical Date 07/13/2008 21:23<br>Matrix Water |           | 621273MS<br>625247<br>MS<br>07/13/2008 22:52<br>Water |        |     | 621273MSD<br>625248<br>MSD<br>07/13/2008 23:14<br>Water |        |     |     |       |
|---|----------------------|--|-----------|---|--------|-----|---|--------|-----|-----|-------|
| <b>SW-846 8260B</b>                       |                      | Units  | mg/L      | Spike   | Result | % R | Control   | Result | % R | RPD | RPD   |
|   |                      | Result   | RDL       | Added   |        |     | Limits % R  |        |     |     | Limit |
| 67-64-1                                   | Acetone              | 0.00363  | 0.0000638 | 0.050   | 0.034  | 61  | 40 - 140  | 0.037  | 66  | 8   | 30    |
| 75-27-4                                   | Bromodichloromethane | 0.00   | 0.0000875 | 0.050   | 0.052  | 105 | 75 - 120  | 0.052  | 103 | 0   | 30    |
| 75-25-2                                   | Bromoform            | 0.00   | 0.0000947 | 0.050   | 0.054  | 107 | 70 - 130  | 0.054  | 107 | 0   | 30    |

# GC/MS Volatiles Quality Control Summary

| Analytical Batch 392648<br>Prep Batch N/A |                                | Client ID MW-12<br>GCAL ID 20807032001<br>Sample Type SAMPLE<br>Analytical Date 07/13/2008 21:23<br>Matrix Water |           |       | 621273MS<br>625247<br>MS<br>07/13/2008 22:52<br>Water |     |            | 621273MSD<br>625248<br>MSD<br>07/13/2008 23:14<br>Water |     |     |       |
|---|--------------------------------|--|-----------|-------|---|-----|------------|---|-----|-----|-------|
| SW-846 8260B                              |                                | Units  | mg/L      | Spike | Result  | % R | Control    | Result  | % R | RPD | RPD   |
|   |                                | Result   | RDL       | Added |   |     | Limits % R |   |     |     | Limit |
| 74-83-9                                   | Bromomethane                   | 0.00   | 0.000252  | 0.050 | 0.049   | 98  | 30 - 145   | 0.058   | 117 | 17  | 30    |
| 75-15-0                                   | Carbon disulfide               | 0.00   | 0.000184  | 0.050 | 0.049   | 97  | 35 - 160   | 0.054   | 107 | 10  | 30    |
| 56-23-5                                   | Carbon tetrachloride           | 0.00   | 0.0000825 | 0.050 | 0.052   | 103 | 65 - 140   | 0.049   | 98  | 6   | 30    |
| 75-00-3                                   | Chloroethane                   | 0.00   | 0.0000618 | 0.050 | 0.052   | 104 | 60 - 135   | 0.056   | 111 | 7   | 30    |
| 67-66-3                                   | Chloroform                     | 0.00   | 0.0000426 | 0.050 | 0.047   | 94  | 65 - 135   | 0.046   | 92  | 2   | 30    |
| 74-87-3                                   | Chloromethane                  | 0.00   | 0.000249  | 0.050 | 0.041   | 82  | 40 - 125   | 0.052   | 104 | 24  | 30    |
| 124-48-1                                  | Dibromochloromethane           | 0.00   | 0.0000637 | 0.050 | 0.048   | 95  | 60 - 135   | 0.049   | 97  | 2   | 30    |
| 75-71-8                                   | Dichlorodifluoromethane        | 0.00   | 0.0000680 | 0.050 | 0.045   | 90  | 30 - 155   | 0.051   | 102 | 13  | 30    |
| 75-34-3                                   | 1,1-Dichloroethane             | 0.00   | 0.0000801 | 0.050 | 0.048   | 96  | 70 - 135   | 0.049   | 97  | 2   | 30    |
| 107-06-2                                  | 1,2-Dichloroethane             | 0.00   | 0.0000663 | 0.050 | 0.051   | 101 | 70 - 130   | 0.049   | 97  | 4   | 30    |
| 156-59-2                                  | cis-1,2-Dichloroethene         | 0.00   | 0.0000745 | 0.050 | 0.051   | 101 | 70 - 125   | 0.051   | 102 | 0   | 30    |
| 156-60-5                                  | trans-1,2-Dichloroethene       | 0.00   | 0.0000573 | 0.050 | 0.047   | 94  | 60 - 140   | 0.048   | 96  | 2   | 30    |
| 75-09-2                                   | Methylene chloride             | 0.00   | 0.0000765 | 0.050 | 0.047   | 95  | 55 - 140   | 0.048   | 95  | 2   | 30    |
| 78-87-5                                   | 1,2-Dichloropropane            | 0.00   | 0.0000555 | 0.050 | 0.050   | 99  | 75 - 125   | 0.049   | 98  | 2   | 30    |
| 10061-01-5                                | cis-1,3-Dichloropropene        | 0.00   | 0.0000746 | 0.050 | 0.044   | 88  | 70 - 130   | 0.044   | 87  | 0   | 30    |
| 10061-02-6                                | trans-1,3-Dichloropropene      | 0.00   | 0.0000702 | 0.050 | 0.050   | 100 | 55 - 140   | 0.049   | 98  | 2   | 30    |
| 100-41-4                                  | Ethylbenzene                   | 0.00   | 0.0000924 | 0.050 | 0.052   | 104 | 75 - 125   | 0.052   | 103 | 0   | 30    |
| 591-78-6                                  | 2-Hexanone                     | 0.00   | 0.000308  | 0.050 | 0.037   | 74  | 55 - 130   | 0.039   | 78  | 5   | 30    |
| 98-82-8                                   | Isopropylbenzene (Cumene)      | 0.00   | 0.0000569 | 0.050 | 0.049   | 98  | 75 - 125   | 0.048   | 97  | 2   | 30    |
| 78-93-3                                   | 2-Butanone                     | 0.00   | 0.000487  | 0.050 | 0.045   | 89  | 30 - 150   | 0.046   | 93  | 2   | 30    |
| 108-10-1                                  | 4-Methyl-2-pentanone           | 0.00   | 0.000113  | 0.050 | 0.045   | 90  | 60 - 135   | 0.044   | 88  | 2   | 30    |
| 100-42-5                                  | Styrene                        | 0.00   | 0.0000821 | 0.050 | 0.049   | 97  | 65 - 135   | 0.048   | 97  | 2   | 30    |
| 127-18-4                                  | Tetrachloroethene              | 0.00   | 0.000200  | 0.050 | 0.049   | 98  | 45 - 150   | 0.050   | 100 | 2   | 30    |
| 79-34-5                                   | 1,1,2,2-Tetrachloroethane      | 0.00   | 0.000148  | 0.050 | 0.052   | 103 | 65 - 130   | 0.054   | 108 | 4   | 30    |
| 120-82-1                                  | 1,2,4-Trichlorobenzene         | 0.00   | 0.000223  | 0.050 | 0.043   | 87  | 65 - 135   | 0.046   | 91  | 7   | 30    |
| 71-55-6                                   | 1,1,1-Trichloroethane          | 0.00   | 0.0000683 | 0.050 | 0.050   | 100 | 65 - 130   | 0.048   | 96  | 4   | 30    |
| 79-00-5                                   | 1,1,2-Trichloroethane          | 0.00   | 0.000146  | 0.050 | 0.047   | 95  | 75 - 125   | 0.048   | 96  | 2   | 30    |
| 75-69-4                                   | Trichlorofluoromethane         | 0.00   | 0.0000638 | 0.050 | 0.047   | 95  | 60 - 145   | 0.051   | 101 | 8   | 30    |
| 75-01-4                                   | Vinyl chloride                 | 0.00   | 0.0000538 | 0.050 | 0.044   | 87  | 50 - 145   | 0.056   | 112 | 24  | 30    |
| 96-12-8                                   | 1,2-Dibromo-3-chloropropane    | 0.00   | 0.000356  | 0.050 | 0.044   | 88  | 50 - 130   | 0.048   | 97  | 9   | 30    |
| 106-93-4                                  | 1,2-Dibromoethane              | 0.00   | 0.000158  | 0.050 | 0.051   | 102 | 80 - 120   | 0.054   | 107 | 6   | 30    |
| 1634-04-4                                 | tert-Butyl methyl ether (MTBE) | 0.00   | 0.0000756 | 0.050 | 0.047   | 95  | 65 - 125   | 0.050   | 101 | 6   | 30    |
| 1330-20-7                                 | Xylene (total)                 | 0.00   | 0.000194  | 0.150 | 0.147   | 98  | 75 - 130   | 0.146   | 97  | 0.7 | 30    |

# GC/MS Volatiles Quality Control Summary

| Analytical Batch 392648<br>Prep Batch N/A |                          | Client ID MW-12<br>GCAL ID 20807032001<br>Sample Type SAMPLE<br>Analytical Date 07/13/2008 21:23<br>Matrix Water |             |                | 621273MS<br>625247<br>MS<br>07/13/2008 22:52<br>Water |     |                       | 621273MSD<br>625248<br>MSD<br>07/13/2008 23:14<br>Water |     |     |              |
|---|--------------------------|--|-------------|----------------|---|-----|-----------------------|---|-----|-----|--------------|
| <b>SW-846 8260B</b>                       |                          | Units<br>Result  | mg/L<br>RDL | Spike<br>Added | Result  | % R | Control<br>Limits % R | Result  | % R | RPD | RPD<br>Limit |
| 108-87-2                                  | Methylcyclohexane        | 0.00   | 0.0000921   | 0.050          | 0.050   | 99  | 77 - 123              | 0.047   | 94  | 6   | 30           |
| 110-82-7                                  | Cyclohexane              | 0.00   | 0.0000722   | 0.050          | 0.047   | 94  | 71 - 127              | 0.047   | 94  | 0   | 30           |
| 79-20-9                                   | Methyl Acetate           | 0.00   | 0.000375    | 0.050          | 0.050   | 99  | 55 - 134              | 0.045   | 90  | 11  | 30           |
| 76-13-1                                   | Trichlorotrifluoroethane | 0.00   | 0.000168    | 0.050          | 0.047   | 95  | 72 - 130              | 0.049   | 99  | 4   | 30           |
| 541-73-1                                  | 1,3-Dichlorobenzene      | 0.00   | 0.0000861   | 0.050          | 0.055   | 110 | 65 - 130              | 0.056   | 112 | 2   | 30           |
| 106-46-7                                  | 1,4-Dichlorobenzene      | 0.00   | 0.0000961   | 0.050          | 0.049   | 99  | 65 - 130              | 0.050   | 100 | 2   | 30           |
| 95-50-1                                   | 1,2-Dichlorobenzene      | 0.00   | 0.000109    | 0.050          | 0.055   | 110 | 70 - 120              | 0.056   | 112 | 2   | 30           |
| 91-20-3                                   | Naphthalene              | 0.00   | 0.000245    | 0.050          | 0.042   | 83  | 55 - 140              | 0.046   | 92  | 9   | 30           |
| 75-35-4                                   | 1,1-Dichloroethene       | 0.00   | 0.0000961   | 0.050          | 0.046   | 91  | 70 - 130              | 0.050   | 101 | 8   | 30           |
| 71-43-2                                   | Benzene                  | 0.00   | 0.0000624   | 0.050          | 0.049   | 98  | 80 - 120              | 0.049   | 98  | 0   | 30           |
| 79-01-6                                   | Trichloroethene          | 0.00   | 0.000164    | 0.050          | 0.054   | 108 | 70 - 125              | 0.052   | 105 | 4   | 30           |
| 108-88-3                                  | Toluene                  | 0.00   | 0.0000675   | 0.050          | 0.049   | 98  | 75 - 120              | 0.049   | 98  | 0   | 30           |
| 108-90-7                                  | Chlorobenzene            | 0.00   | 0.0000631   | 0.050          | 0.049   | 98  | 80 - 120              | 0.049   | 97  | 0   | 30           |
| <b>Surrogate</b>                          |                          |  |             |                |   |     |                       |   |     |     |              |
| 460-00-4                                  | 4-Bromofluorobenzene     |  |             | 50             | 49.8  | 100 | 75 - 120              | 50.2  | 100 |     |              |
| 1868-53-7                                 | Dibromofluoromethane     |  |             | 50             | 49.1  | 98  | 85 - 115              | 49  | 98  |     |              |
| 2037-26-5                                 | Toluene d8               |  |             | 50             | 45.4  | 91  | 85 - 120              | 45.6  | 91  |     |              |
| 17060-07-0                                | 1,2-Dichloroethane-d4    |  |             | 50             | 50.5  | 101 | 70 - 120              | 49.4  | 99  |     |              |

## CASE NARRATIVE

**Client:** Aerostar      **Report:** 208070940

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

**No anomalies were found for the analyzed sample(s).**

# Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

## Common Abbreviations Utilized in this Report

|              |  |
|--------------|--|
| <b>ND</b>    | Indicates the result was Not Detected at the specified RDL |
| <b>DO</b>    | Indicates the result was Diluted Out                       |
| <b>MI</b>    | Indicates the result was subject to Matrix Interference    |
| <b>TNTC</b>  | Indicates the result was Too Numerous To Count             |
| <b>SUBC</b>  | Indicates the analysis was Sub-Contracted                  |
| <b>FLD</b>   | Indicates the analysis was performed in the Field          |
| <b>PQL</b>   | Practical Quantitation Limit                               |
| <b>MDL</b>   | Method Detection Limit                                     |
| <b>RDL</b>   | Reporting Detection Limit                                  |
| <b>00:00</b> | Reported as a time equivalent to 12:00 AM                  |

## Reporting Flags Utilized in this Report

|          |  |
|----------|--|
| <b>J</b> | Indicates an estimated value   |
| <b>U</b> | Indicates the compound was analyzed for but not detected                     |
| <b>B</b> | (ORGANICS) Indicates the analyte was detected in the associated Method Blank |
| <b>B</b> | (INORGANICS) Indicates the result is between the RDL and MDL                 |

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with [ISO Guide 25](#) and [NELAC](#), this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

---

CURTIS EKKER  
DATA VALIDATION MANAGER  
GCAL REPORT 208070940

THIS REPORT CONTAINS \_\_\_\_\_ PAGES.



**APPENDIX F**  
**SURVEY DATA**

**LAWLER AND COMPANY**  
**LAND AND INDUSTRIAL SURVEYORS**  
8975 DAWES LANE NORTH  
MOBILE, ALABAMA 36619  
(251) 661-9411 FAX (251) 661-9177

**Mr. Marshall Eschete**  
**Aerostar Environmental Services**  
802 Government Street, Suite A  
Mobile, Alabama 36602

19 August, 2008

Re: Mobile Downtown Airport Well Survey

Dear Mr. Eschete:

The following list is the result of our survey dated 18 August, 2008 at the Mobile Downtown Airport, Brookley Complex. Horizontal Datum is Alabama West, NAD 83 (1992) and NGVD 1929. The coordinate position was taken at the top of PVC casing on each well unless otherwise noted.

Please let me know if you need additional information

Sincerely,

W. J. Lawler, III  
PLS Reg. No. 17513

| <b>NORTHING</b> | <b>EASTING</b> | <b>ELEVATION</b> | <b>DESIGNATION</b>   |
|-----------------|----------------|------------------|----------------------|
| 225734.75       | 1792281.41     | 15.28            | AOC 001-07           |
| 225670.92       | 1792433.35     | 15.30            | AOC 001-03           |
| 238705.56       | 1790616.32     | 26.26            | OMS 28-1             |
| 238675.56       | 1790880.39     | 30.88            | OMS 28-2             |
| 238475.46       | 1790893.65     | 30.70            | OMS 28-3             |
| 238529.35       | 1790804.85     | 27.99            | OMS 28-4             |
| 238421.60       | 1790865.90     | 30.31            | OMS 28-6             |
| 238390.13       | 1790807.56     | 27.56            | OMS 28-7             |
| 238316.54       | 1790924.98     | 28.99            | MW 5        SEE NOTE |
| 238419.99       | 1790877.56     | 28.24            | MW 8                 |
| 238466.24       | 1790633.49     | 25.45            | MW 9                 |
| 238697.54       | 1790622.75     | 25.94            | MW 12                |
| 238526.89       | 1790804.18     | 30.12            | OMS 28-5             |

Note: MW 5 was inaccessible due to vehicle parked on top. Shot taken 0.5' South.

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**TABLE 1 FIELD INVESTIGATION SAMPLE COLLECTION**

| Location | Date Collected | Sample ID        | Sample Interval/<br>Well Screen | Sample Matrix | Parameters          |
|----------|----------------|------------------|---------------------------------|---------------|---------------------|
| OMS-28-1 | 06/06/2008     | OMS-28-1 (0-5)   | 0-5                             | Soil          | TCL Volatiles 8260B |
| OMS-28-1 | 06/06/2008     | OMS-28-1 (5-10)  | 5-10                            | Soil          | TCL Volatiles 8260B |
| OMS-28-1 | 06/06/2008     | OMS-28-1 (10-15) | 10-15                           | Soil          | TCL Volatiles 8260B |
| OMS-28-1 | 06/06/2008     | OMS-28-1 (65-70) | 65-70                           | Soil          | TCL Volatiles 8260B |
| OMS-28-2 | 03/27/2008     | OMS-28-2 (0-5)   | 0-5                             | Soil          | TCL Volatiles 8260B |
| OMS-28-2 | 03/27/2008     | OMS-28-2 (5-10)  | 5-10                            | Soil          | TCL Volatiles 8260B |
| OMS-28-2 | 03/27/2008     | OMS-28-2 (15-20) | 15-20                           | Soil          | TCL Volatiles 8260B |
| OMS-28-3 | 03/26/2008     | OMS-28-3 (0-5)   | 0-5                             | Soil          | TCL Volatiles 8260B |
| OMS-28-3 | 03/26/2008     | OMS-28-3 (5-10)  | 5-10                            | Soil          | TCL Volatiles 8260B |
| OMS-28-3 | 03/26/2008     | OMS-28-3 (10-15) | 10-15                           | Soil          | TCL Volatiles 8260B |
| OMS-28-4 | 03/27/2008     | OMS-28-4 (0-5)   | 0-5                             | Soil          | TCL Volatiles 8260B |
| OMS-28-4 | 03/27/2008     | OMS-28-4 (5-10)  | 5-10                            | Soil          | TCL Volatiles 8260B |
| OMS-28-4 | 03/27/2008     | OMS-28-4 (10-15) | 10-15                           | Soil          | TCL Volatiles 8260B |
| OMS-28-4 | 03/27/2008     | OMS-28-4 (70-75) | 70-75                           | Soil          | TCL Volatiles 8260B |
| OMS-28-5 | 03/27/2008     | OMS-28-5 (0-5)   | 0-5                             | Soil          | TCL Volatiles 8260B |
| OMS-28-5 | 03/27/2008     | OMS-28-5 (5-10)  | 5-10                            | Soil          | TCL Volatiles 8260B |
| OMS-28-5 | 03/27/2008     | OMS-28-5 (15-20) | 15-20                           | Soil          | TCL Volatiles 8260B |
| OMS-28-6 | 03/28/2008     | OMS-28-6 (0-5)   | 0-5                             | Soil          | TCL Volatiles 8260B |
| OMS-28-6 | 03/28/2008     | OMS-28-6 (5-10)  | 5-10                            | Soil          | TCL Volatiles 8260B |
| OMS-28-6 | 03/28/2008     | OMS-28-6 (10-15) | 10-15                           | Soil          | TCL Volatiles 8260B |
| OMS-28-6 | 03/28/2008     | OMS-28-6 (70-75) | 70-75                           | Soil          | TCL Volatiles 8260B |
| OMS-28-7 | 03/26/2008     | OMS-28-7 (0-5)   | 0-5                             | Soil          | TCL Volatiles 8260B |
| OMS-28-7 | 03/26/2008     | OMS-28-7 (5-10)  | 5-10                            | Soil          | TCL Volatiles 8260B |
| OMS-28-7 | 03/26/2008     | OMS-28-7 (15-20) | 15-20                           | Soil          | TCL Volatiles 8260B |
| OMS-28-2 | 03/27/2008     | DUP 1            | 0-5                             | Soil          | TCL Volatiles 8260B |
| OMS-28-5 | 03/27/2008     | DUP 2            | 0-5                             | Soil          | TCL Volatiles 8260B |
| OMS-28-4 | 03/27/2008     | DUP 3            | 0-5                             | Soil          | TCL Volatiles 8260B |
| IDW      | 03/28/2008     | IDW              | NA                              | Soil          | TCL Volatiles 8260B |

**TABLE 1 FIELD INVESTIGATION SAMPLE COLLECTION (CONTINUED)**

| Location       | Date Collected           | Sample ID  | Sample Interval/<br>Well Screen | Sample Matrix | Parameters          |
|----------------|--------------------------|------------|---------------------------------|---------------|---------------------|
| IDW            | 03/28/2008               | IDW (TCLP) | NA                              | Soil          | TCLP                |
| RINSATE #1     | 03/28/2008               | RINSATE #1 | NA                              | Soil          | TCL Volatiles 8260B |
| RINSATE #2     | 03/28/2008               | RINSATE #2 | NA                              | Soil          | TCL Volatiles 8260B |
| RINSATE #3     | 03/28/2008               | RINSATE #3 | NA                              | Soil          | TCL Volatiles 8260B |
| OMS-28-1       | 07/08/2008               | OMS-28-1   | 70-80                           | Groundwater   | TCL 8260            |
| OMS-28-2       | 07/02/2008               | OMS-28-2   | 10-20                           | Groundwater   | TCL 8260            |
| OMS-28-3       | 07/02/2008               | OMS-28-3   | 10-20                           | Groundwater   | TCL 8260            |
| OMS-28-4       | 07/08/2008               | OMS-28-4   | 65-75                           | Groundwater   | TCL 8260            |
| OMS-28-5       | 07/02/2008               | OMS-28-5   | 10-20                           | Groundwater   | TCL 8260            |
| OMS-28-6       | 07/08/2008               | OMS-28-6   | 65-75                           | Groundwater   | TCL 8260            |
| OMS-28-7       | 07/01/2008               | OMS-28-6   | 10-20                           | Groundwater   | TCL 8260            |
| MW-5           | 07/01/2008               | MW-5       | 5-15                            | Groundwater   | TCL 8260            |
| MW-6           | 07/01/2008               | MW-6       | 5-15                            | Groundwater   | TCL 8260            |
| MW-8           | 07/01/2008               | MW-8       | 5-15                            | Groundwater   | TCL 8260            |
| MW-9           | 07/02/2008               | MW-9       | 6-16                            | Groundwater   | TCL 8260            |
| MW-12          | 07/01/2008               | MW-12      | 5-15                            | Groundwater   | TCL 8260            |
| DUP 1          | 07/01/2008               | DUP 1      | Dup of MW-8                     | Groundwater   | TCL 8260            |
| DUP 2          | 07/08/2008               | DUP 2      | Dup of OMS-28-1                 | Groundwater   | TCL 8260            |
| RINSE-1        | 07/01/2008               | RINSE-1    | NA                              | Groundwater   | TCL 8260            |
| RINSATE-2      | 07/08/2008               | RINSATE-2  | NA                              | Groundwater   | TCL 8260            |
| IDW            | 07/08/2008               | IDW        | NA                              | Groundwater   | TCL 8260            |
| TRIP-<br>BLANK | 07/02/2008<br>07/08/2008 | TRIP-BLANK | NA                              | Groundwater   | TCL 8260            |

NA = Not applicable

