

**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:**

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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) 06/06/08	(5-10) 06/06/08	(10-15) 06/06/08	(65-70) 06/06/08	(0-5) 03/27/08	(5-10) 03/27/08	(15-20) 03/27/08	(0-5) 03/26/08	(5-10) 03/26/08	(10-15) 03/26/08	(0-5) 03/27/08	(5-10) 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	0.00012J	0.000168U	0.000187U
<i>tert-Butyl methyl ether (MTBE)</i>	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 0015**

ARBCA PRELIMINARY SCREENING VALUES (PSVs)										
Chemical of Concern	CAS Number	Units	Residential Soil	Commercial Soil	DUP 3 [OMS-28-4 (0-5) 03/27/08]	RINSATE #1 03/28/08	RINSATE #2 03/28/08	RINSATE #3 03/28/08	IDW 03/28/08	IDW (TCLP) 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**  
**OMS 28**

ARBCA PRELIMINARY SCREENING VALUES (PSVs)				Sample Location											
CONTAMINANT Volatile Organic Compounds (VOCs)	CAS Number	Units	Tap Water	MW-5	MW-6	MW-8	MW-9	MW-12	OMS-28-1 (Deep Well)	OMS-28-2	OMS-28-3	OMS-28-4 (Deep Well)	OMS-28-5	OMS-28-6 (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
Dibromodifluoromethane	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

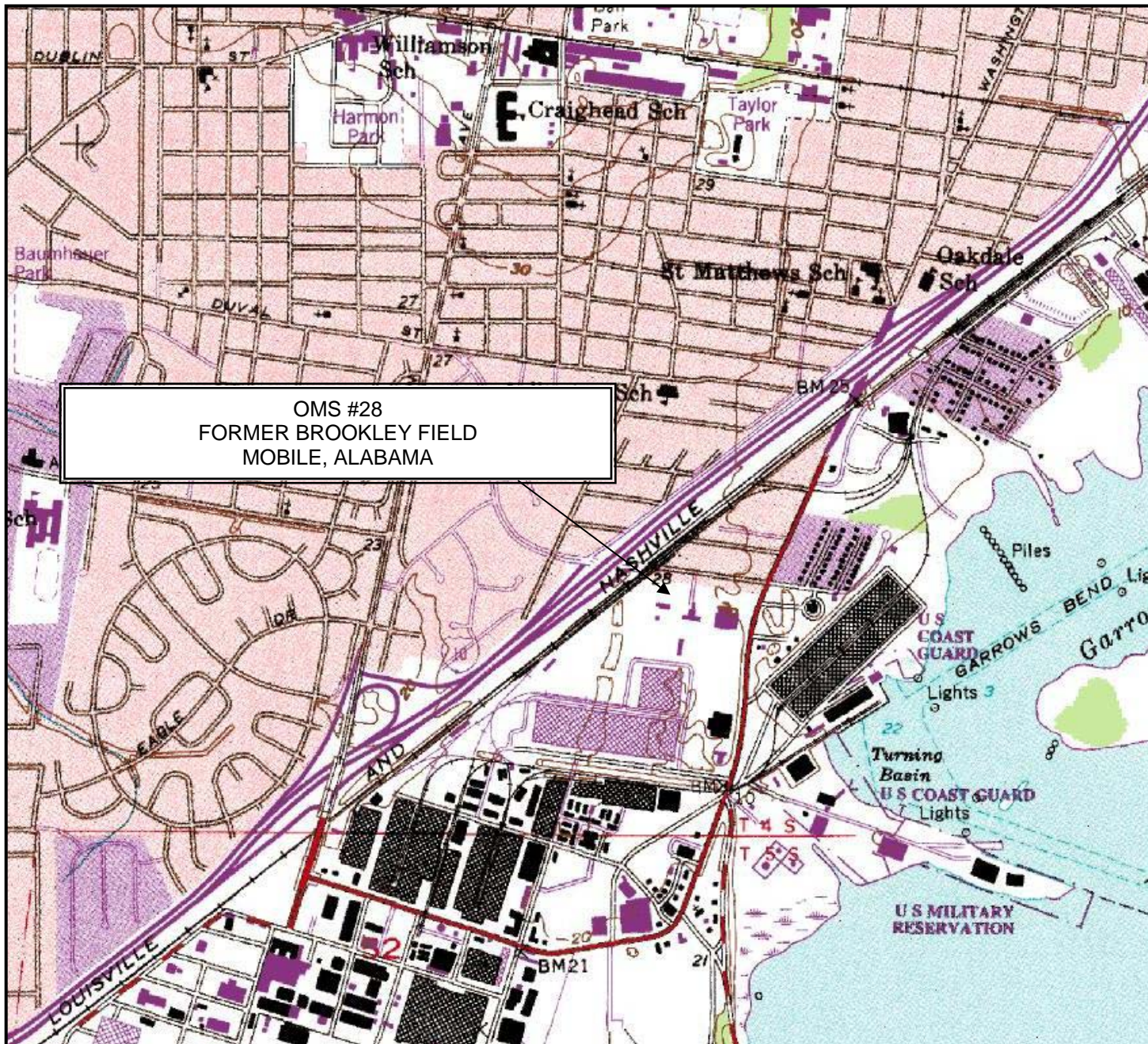
ARBCA PRELIMINARY SCREENING VALUES (PSVs)				Sample Location						
CONTAMINANT Volatile Organic Compounds (VOCs)	CAS Number	Units	Tap Water	IDW	RINSATE-1	RINSATE-2	DUP-1 (MW-8)	DUP-2 (OMS-28-1)	TRIP BLANK	TRIP BLANK
				07/08/08	07/01/08	07/08/08	07/01/08	07/08/08	07/14/08	07/01/08
1,1,1-Trichloroethane	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



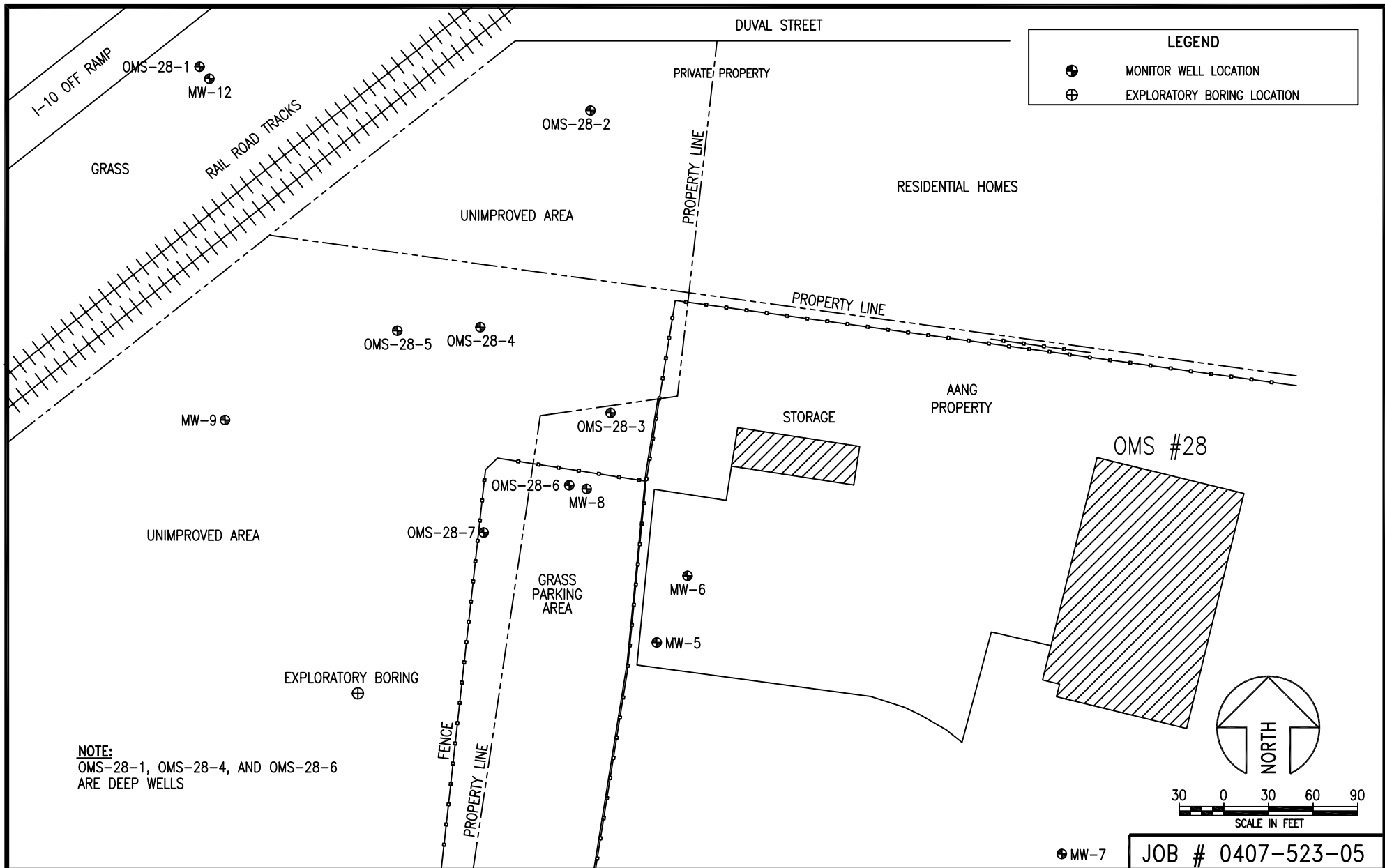


FIGURE 1-2 - PROJECT SITE MAP



OMS #28  
FORMER BROOKLEY FIELD  
MOBILE, ALABAMA

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

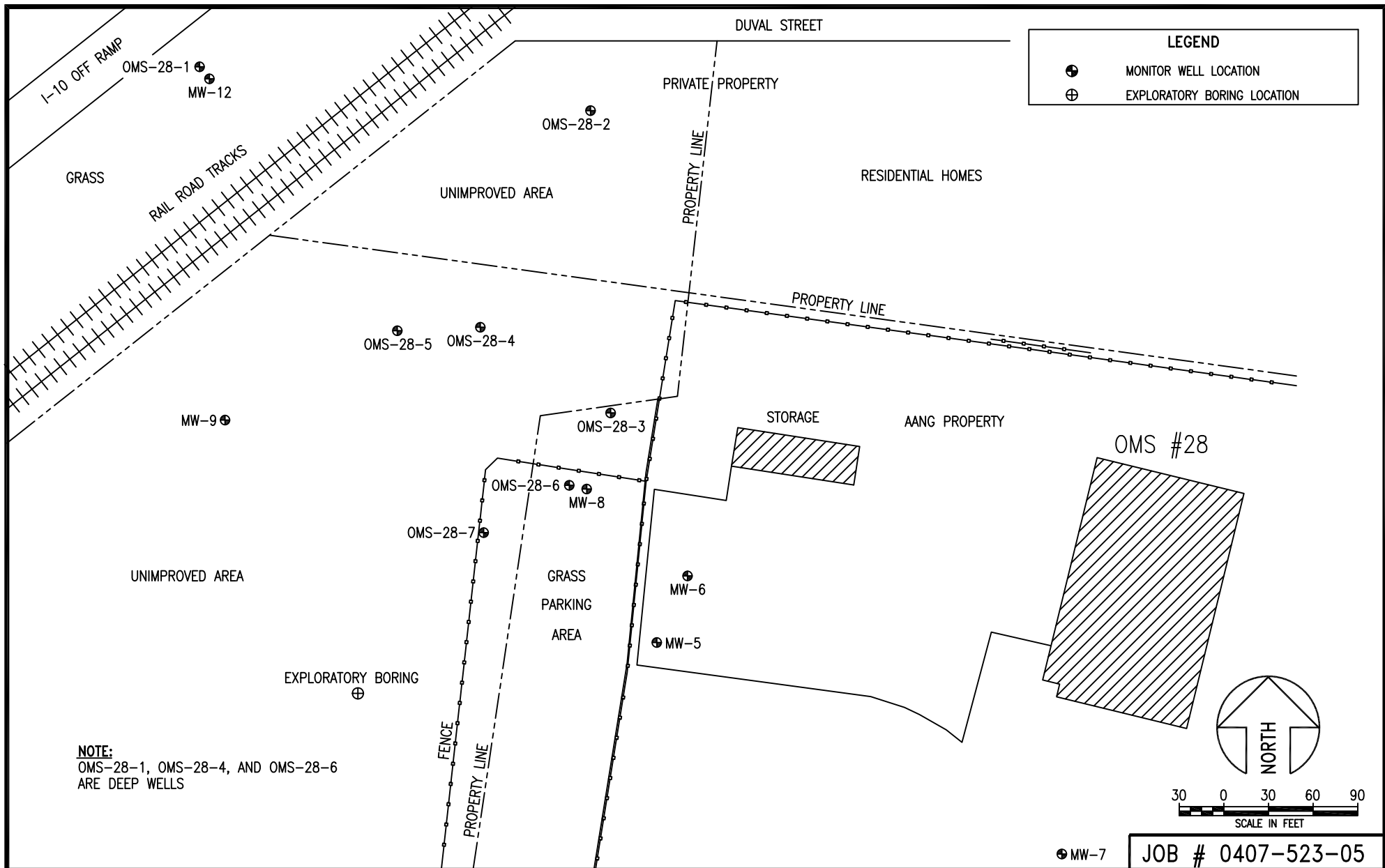


FIGURE 2 – SAMPLE LOCATION MAP

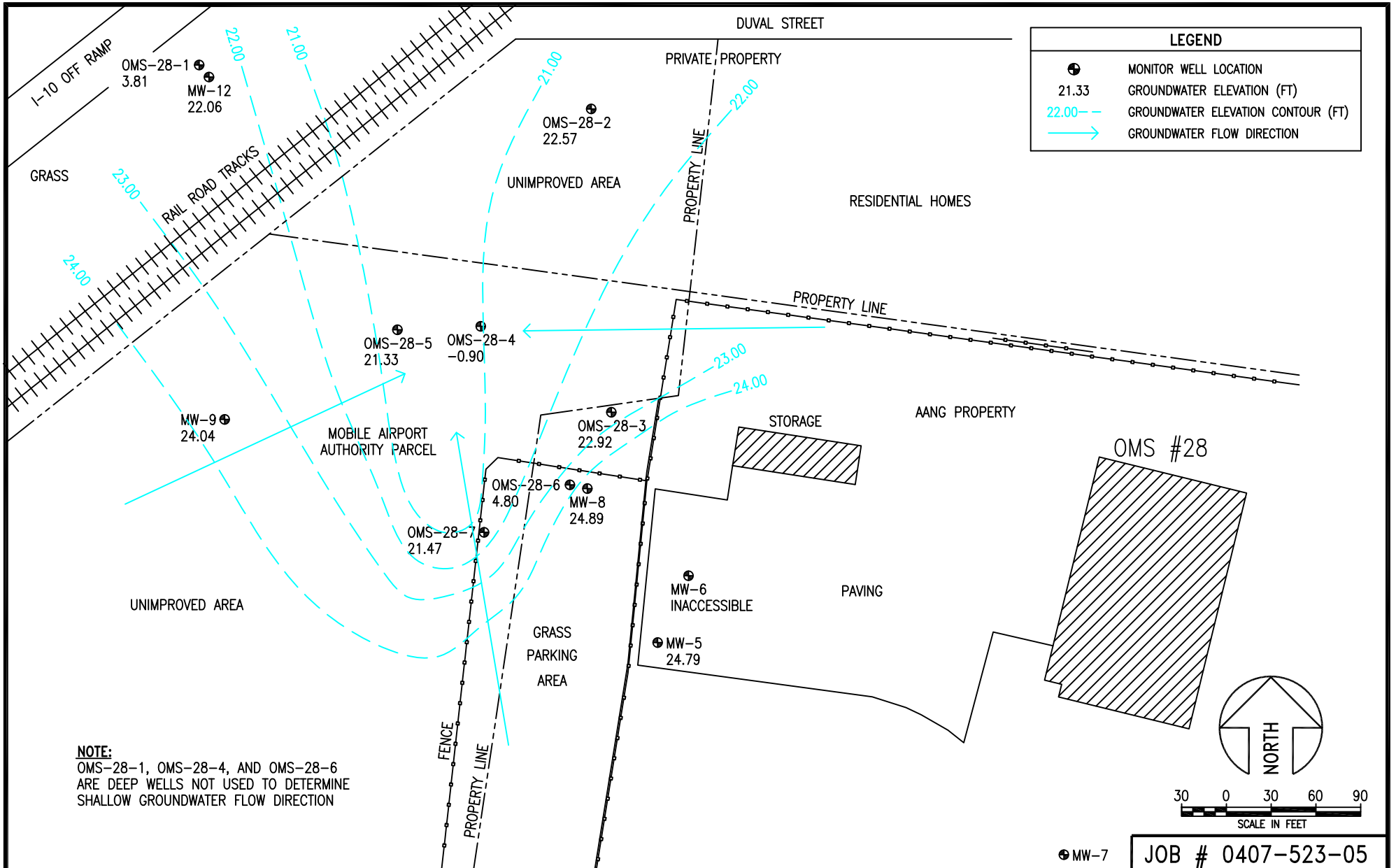


OMS #28  
FORMER BROOKLEY FIELD  
MOBILE, ALABAMA

SCALE: 1" = 90'-0"

DATE: OCTOBER 2008

DRAWN BY: ESCHETE



LEGEND	
⊕	MONITOR WELL LOCATION
21.33	GROUNDWATER ELEVATION (FT)
22.00	GROUNDWATER ELEVATION CONTOUR (FT)
→	GROUNDWATER FLOW DIRECTION

**NOTE:**  
 OMS-28-1, OMS-28-4, AND OMS-28-6  
 ARE DEEP WELLS NOT USED TO DETERMINE  
 SHALLOW GROUNDWATER FLOW DIRECTION

⊕ MW-7      JOB # 0407-523-05

FIGURE 3 - SHALLOW POTENTIOMETRIC SURFACE MAP



OMS #28  
 FORMER BROOKLEY FIELD  
 MOBILE, ALABAMA

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

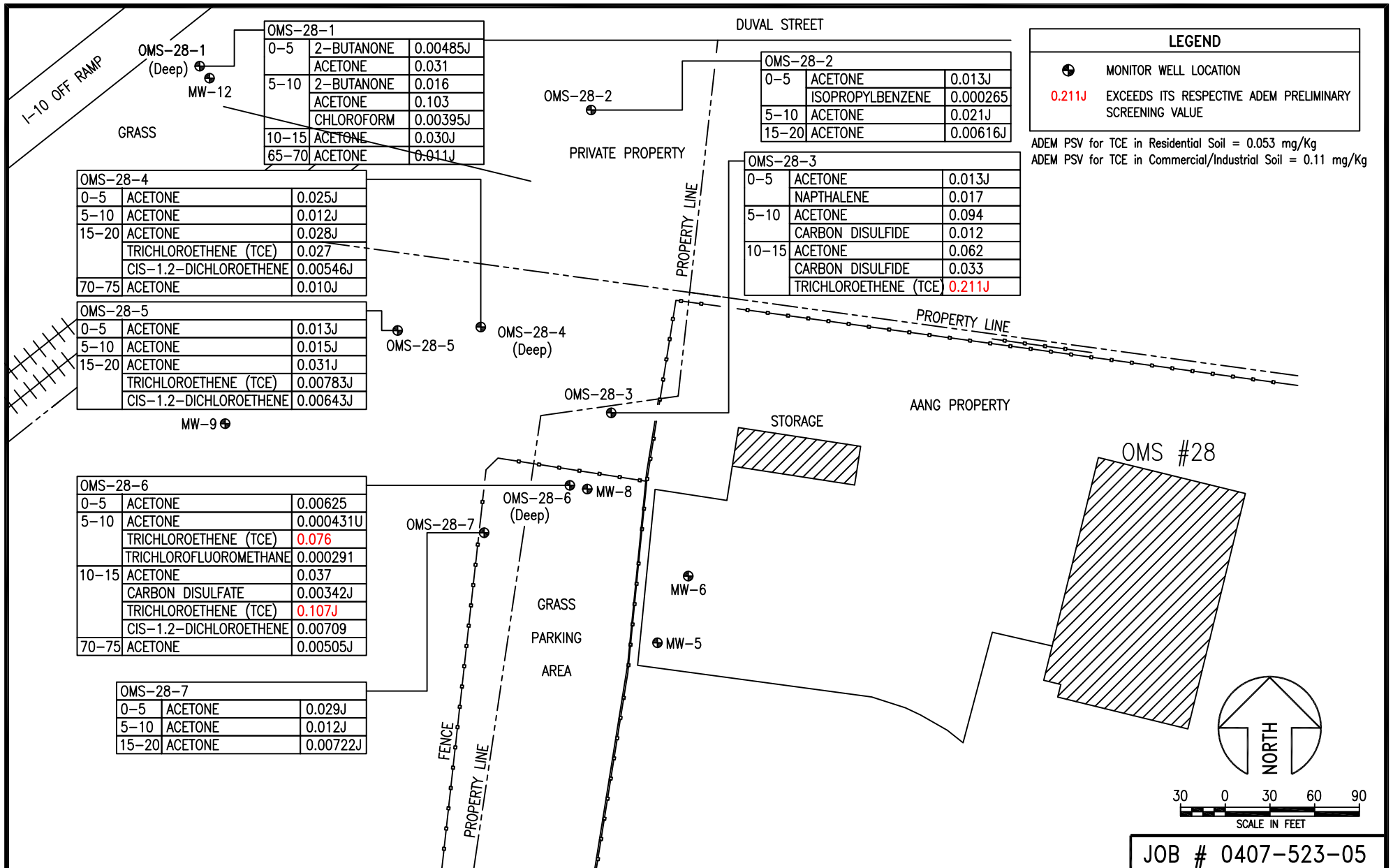


FIGURE 4 - SOIL ANALYTICAL RESULTS



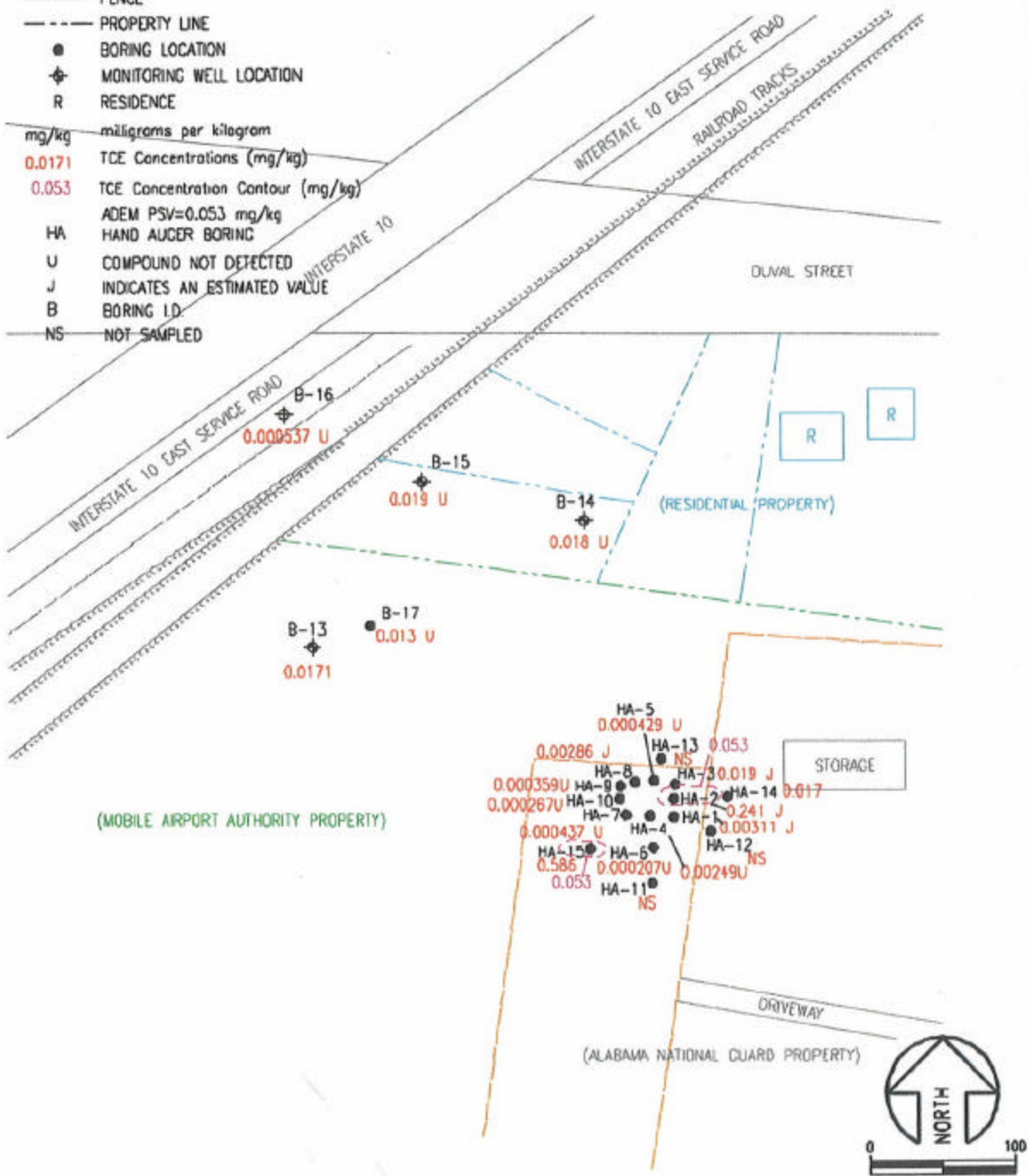
OMS #28  
 FORMER BROOKLEY FIELD  
 MOBILE, ALABAMA

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)
- HA ADEM PSV=0.053 mg/kg  
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

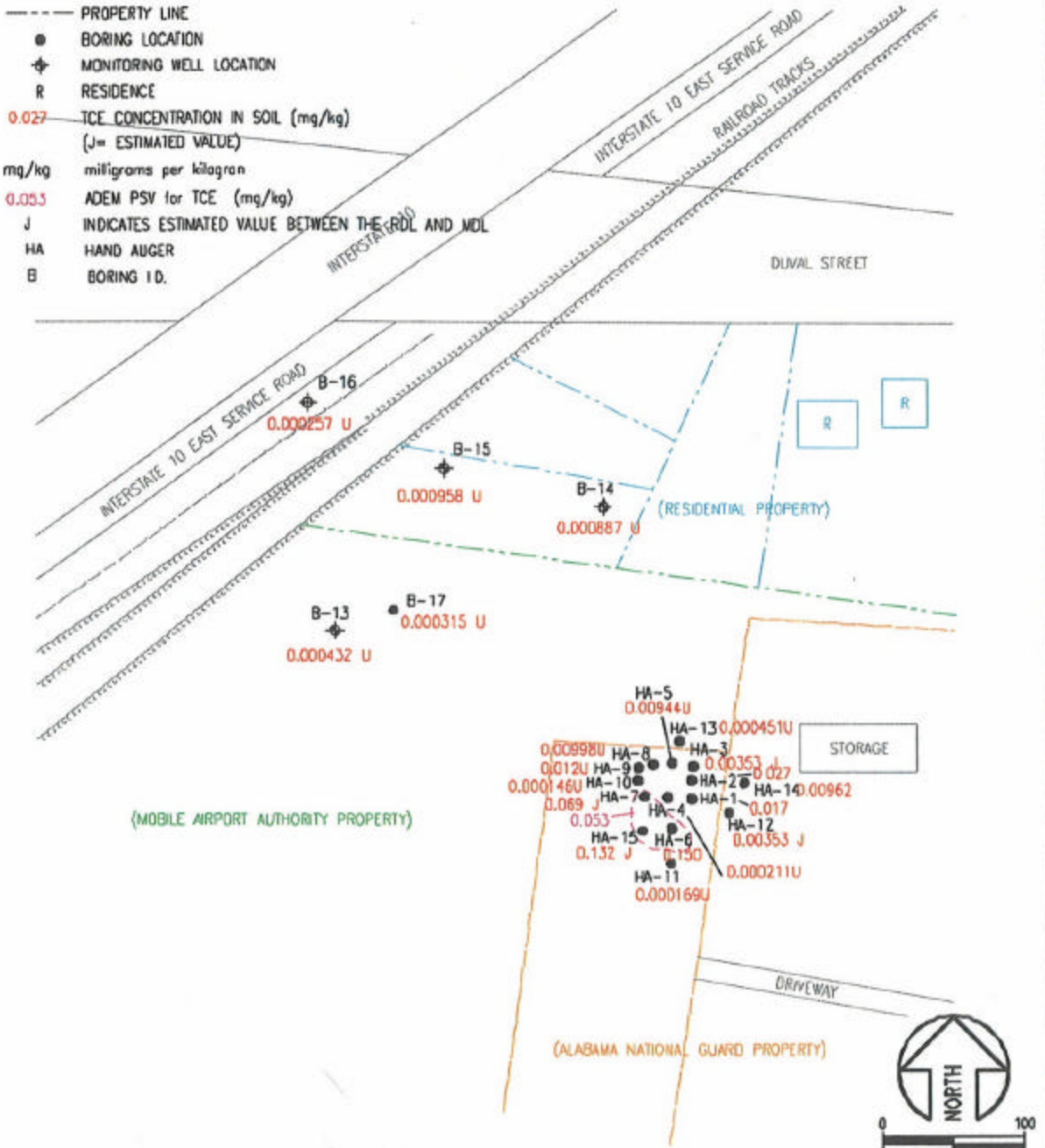
SCALE: 1" = 100'-0"

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

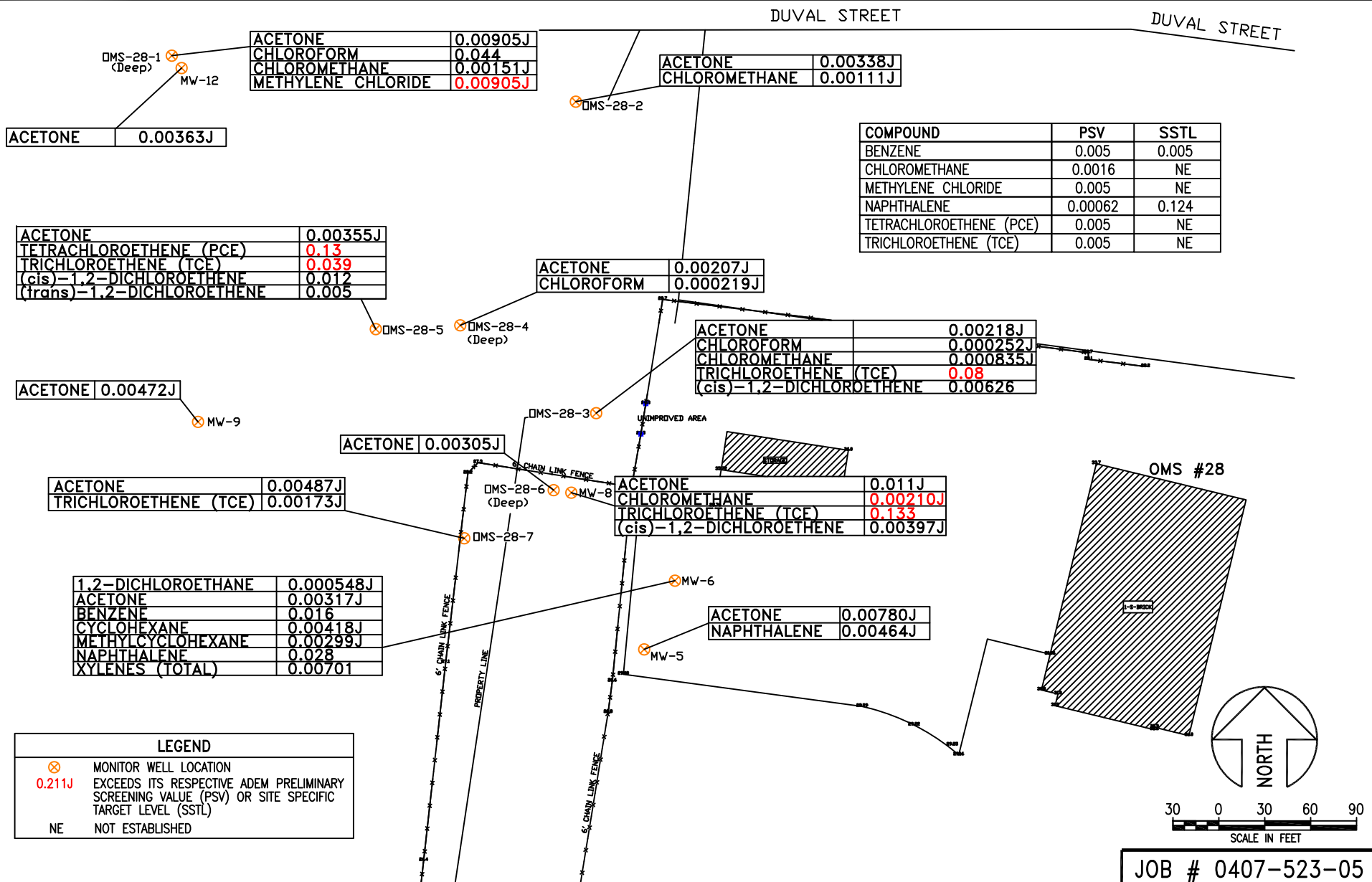


FIGURE 7 - GROUNDWATER ANALYTICAL RESULTS



OMS #28  
FORMER BROOKLEY FIELD  
MOBILE, ALABAMA

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

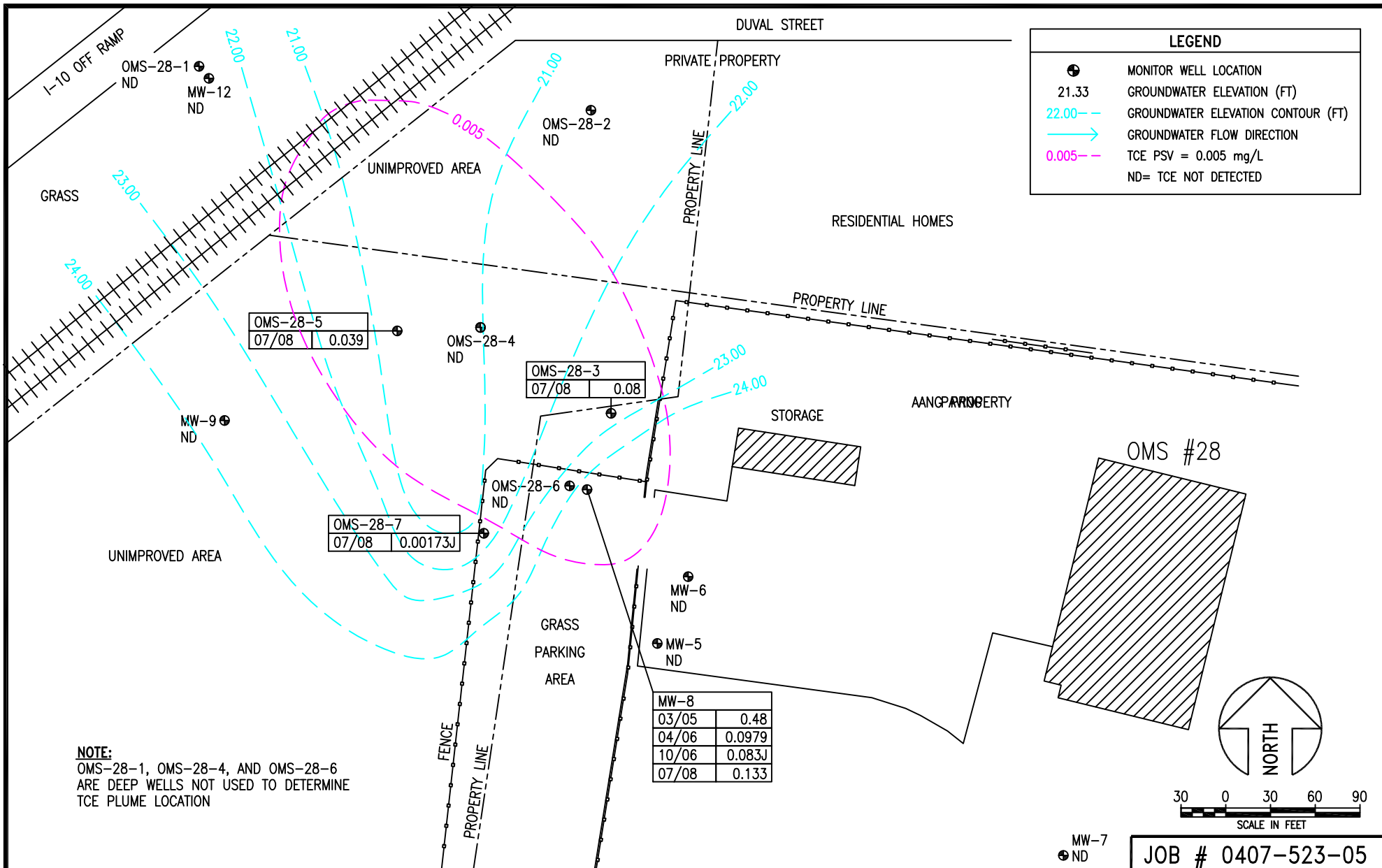


FIGURE 8 - TRICHLOROETHENE (TCE) GROUNDWATER PLUME



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.

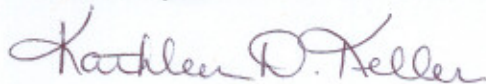


The report recommends developing a risk assessment in accordance with ADEM's most recent ARBCA guidance document. It should be noted that a risk assessment can not be performed until a minimum of 4 quarterly sampling events or 2 years of semi-annual sampling events have been completed. The above requested 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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adem.alabama.gov

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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 dark 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  
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(205) 941-1603 (Fax)

Decatur Branch  
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Decatur, AL 35603-1333  
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(256) 340-9359 (Fax)



Mobile Branch  
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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: Exploratory Boring		Permit Number: N/A		FDEP Facility Identification Number: N/A	
Site Name: OMS-28		Borehole Start Date: 3/24/08	Borehole Start Time: 1440	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM
		End Date: 3/25/08	End Time: 1325	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM
Environmental Contractor: AEROSTAR		Geologist's Name: W.P. Davis		Environmental Technician's Name:	
Drilling Company: WDC		Pavement Thickness (inches): N/A	Borehole Diameter (inches): 4"	Borehole Depth (feet): 120	
Drilling Method(s): SC	Apparent Borehole DTW (in feet from soil moisture content): 12'	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Photovac MicroFID <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID		
Disposition of Drill Cuttings [check method(s)]: (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 (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 2	Dark red-brown silty clayey loam			Shelby tube sample taken at surface to represent Vadose Zone
SC				0	--	0	3 4	Dark red-brown silty clayey loam			
SC				0	--	0	5 6	At 5 feet BGS, a mottled light gray and light brown medium grained sand is observed			
SC				0	--	0	7 8	Mottled light gray and light brown medium grained sand			
SC				0	--	0	9 10	Mottled light gray and light brown medium grained sand			
SC				0	--	0	11 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: OMS-28-7		Permit Number: N/A		FDEP Facility Identification Number: N/A	
Site Name: OMS-28		Borehole Start Date: 3/26/08	Borehole Start Time: 1530	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM
		End Date: 3/26/08	End Time: 1605	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM
Environmental Contractor: AEROSTAR		Geologist's Name: W.P. Davis		Environmental Technician's Name:	
Drilling Company: WDC		Pavement Thickness (inches): N/A	Borehole Diameter (inches): 4"	Borehole Depth (feet): 20	
Drilling Method(s): SC	Apparent Borehole DTW (in feet from soil moisture content): 15'	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Photovac MicroFID <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID		
Disposition of Drill Cuttings [check method(s)]: (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 (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 2	Red-brown sandy, clayey, loam	Grout	Riser	
SC				0	--	0	3 4	Red-brown sandy, clayey, loam			Sample taken from the 0-5 foot interval at 13:45
SC				0	--	0	5 6	Stiff, light brown silty clay	Bentonite		
SC				0	--	0	7 8	Stiff, light brown silty clay			Sample taken from the 5-10 foot interval at 13:50
SC				0	--	0	9 10	Stiff, light brown silty clay	Sand		
SC				0	--	0	11 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: OMS-28-6		Permit Number: N/A		FDEP Facility Identification Number: N/A	
Site Name: OMS-28		Borehole Start Date: 3/28/08	Borehole Start Time: 1300	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM
		End Date: 3/28/08	End Time: 1440	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM
Environmental Contractor: AEROSTAR		Geologist's Name: W.P. Davis		Environmental Technician's Name:	
Drilling Company: WDC		Pavement Thickness (inches): N/A	Borehole Diameter (inches): 4"	Borehole Depth (feet): 75'	
Drilling Method(s): SC	Apparent Borehole DTW (in feet from soil moisture content): 14'	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Photovac MicroFID <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID		
Disposition of Drill Cuttings [check method(s)]: (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 (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 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 4	Dark brown silty clayey loam				
SC				10.0	0.0	10.0	5 6	Tan clayey sand				
SC				10.0	0.0	10.0	7 8	Tan clayey sand				Sample taken from the 5-10 foot interval at 11:10
SC				10.0	0.0	10.0	9 10	Tan clayey sand				
SC				23.0	2.0	21.0	11 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: OMS-28-5		Permit Number: N/A		FDEP Facility Identification Number: N/A	
Site Name: OMS-28		Borehole Start Date: 3/27/08	Borehole Start Time: 1025	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM
		End Date: 3/27/08	End Time: 1100	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM
Environmental Contractor: AEROSTAR		Geologist's Name: W.P. Davis		Environmental Technician's Name:	
Drilling Company: WDC		Pavement Thickness (inches): N/A	Borehole Diameter (inches): 4"	Borehole Depth (feet): 20	
Drilling Method(s): SC	Apparent Borehole DTW (in feet from soil moisture content): 15'	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Photovac MicroFID <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID		
Disposition of Drill Cuttings [check method(s)]: (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 (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 2	Reddish-brown silty clay	Grout	Riser	
SC				0	--	0	3 4	Reddish-brown silty clay			
SC				0	--	0	5 6	Stiff red-brown clay	Bentonite	Riser	
SC				0	--	0	7 8	Stiff red-brown clay			
SC				0	--	0	9 10	Stiff red-brown clay	Sand	Riser	
SC				0	--	0	11 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: OMS-28-4		Permit Number: N/A		FDEP Facility Identification Number: N/A	
Site Name: OMS-28		Borehole Start Date: 3/27/08	Borehole Start Time: 1300	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM
		End Date: 3/27/08	End Time: 1440	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM
Environmental Contractor: AEROSTAR		Geologist's Name: W.P. Davis		Environmental Technician's Name:	
Drilling Company: WDC		Pavement Thickness (inches): N/A	Borehole Diameter (inches): 4"	Borehole Depth (feet): 75'	
Drilling Method(s): SC	Apparent Borehole DTW (in feet from soil moisture content): 12'	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Photovac MicroFID <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID		
Disposition of Drill Cuttings [check method(s)]: (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 (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 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 4	Light red-brown clay.					
SC				1.0	0.0	1.0	5 6	Gray clayey sand.					
SC				1.0	0.0	1.0	7 8	Gray clayey sand.					Sample taken from the 5-10 foot interval at 13:30
SC				1.0	0.0	1.0	9 10	Gray clayey sand.					
SC				2.9	0.0	2.9	11 12	Gray clayey sand.					

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: OMS-28-3		Permit Number: N/A		FDEP Facility Identification Number: N/A	
Site Name: OMS-28		Borehole Start Date: 3/26/08	Borehole Start Time: 1315	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM
		End Date: 3/26/08	End Time: 1345	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM
Environmental Contractor: AEROSTAR		Geologist's Name: W.P. Davis		Environmental Technician's Name:	
Drilling Company: WDC		Pavement Thickness (inches): N/A	Borehole Diameter (inches): 4"	Borehole Depth (feet): 20	
Drilling Method(s): SC	Apparent Borehole DTW (in feet from soil moisture content): 12'	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Photovac MicroFID <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID		
Disposition of Drill Cuttings [check method(s)]: (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 (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 2	Light brown silty clayey loam	Grout	Riser	
SC				0	--	0	3 4	Light brown silty clayey loam			Sample taken from the 0-5 foot interval at 13:20
SC				0	--	0	5 6	Light brown silty clayey loam	Bentonite	Riser	
SC				0	--	0	7 8	Very moist dark gray silty clay			Sample taken from the 5-10 foot interval at 13:25
SC				0	--	0	9 10	Very moist dark gray silty clay	Sand	Riser	
SC				0	--	0	11 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: OMS-28-2		Permit Number: N/A		FDEP Facility Identification Number: N/A	
Site Name: OMS-28		Borehole Start Date: 3/27/08	Borehole Start Time: 0830	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM
		End Date: 3/27/08	End Time: 0845	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM
Environmental Contractor: AEROSTAR		Geologist's Name: W.P. Davis		Environmental Technician's Name:	
Drilling Company: WDC		Pavement Thickness (inches): N/A	Borehole Diameter (inches): 4"	Borehole Depth (feet): 20	
Drilling Method(s): SC	Apparent Borehole DTW (in feet from soil moisture content): 15'	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Photovac MicroFID <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID		
Disposition of Drill Cuttings [check method(s)]: (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 (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 2	Reddish-brown silty clayey loam	Grout	Riser	
SC				0	--	0	3 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 6	Stiff light brown clay.	Bentonite		
SC				0	--	0	7 8	Stiff light brown clay.			Sample taken from the 5-10 foot interval at 08:50-- Split Sample also taken
SC				0	--	0	9 10	Stiff light brown clay.	Sand		
SC				0	--	0	11 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

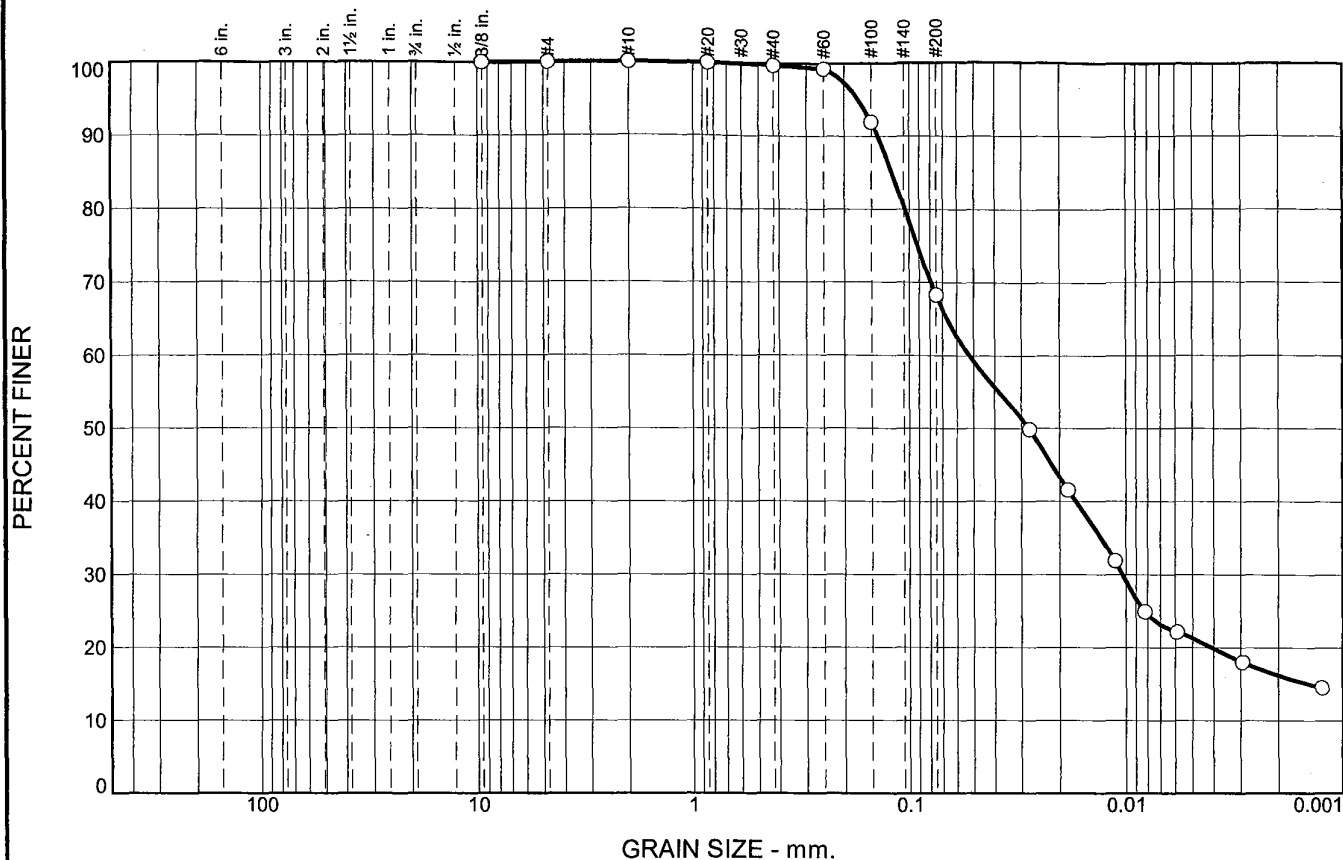
Boring/Well Number: OMS-28-1		Permit Number: N/A		FDEP Facility Identification Number: N/A	
Site Name: OMS-28		Borehole Start Date: 6/6/08	Borehole Start Time: 0730	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM
		End Date: 6/6/08	End Time: 1400	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM
Environmental Contractor: AEROSTAR		Geologist's Name: W.P. Davis		Environmental Technician's Name:	
Drilling Company: WDC		Pavement Thickness (inches): N/A	Borehole Diameter (inches): 8"	Borehole Depth (feet): 80	
Drilling Method(s): SC	Apparent Borehole DTW (in feet from soil moisture content): 12'	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Photovac MicroFID <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID		
Disposition of Drill Cuttings [check method(s)]: (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 (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 2	Reddish-brown silty clayey loam	Grout	Riser	
SC				0	--	0	3 4	Reddish-brown silty clayey loam			Sample taken from the 0-5 foot interval at 10:00
SC				0	--	0	5 6	Dark gray silty loam			
SC				0	--	0	7 8	Dark gray silty loam			Sample taken from the 5-10 foot interval at 10:05
SC				0	--	0	9 10	Dark gray silty loam			
SC				0	--	0	11 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

<p><b>Thompson Engineering</b></p> <p style="text-align: center;"><b>Mobile, Alabama</b></p>	<p>Client: Aerostar  Project: OMS 28</p> <hr/> <p>Project No: 0821230019</p> <p style="text-align: right;">Figure</p>
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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		

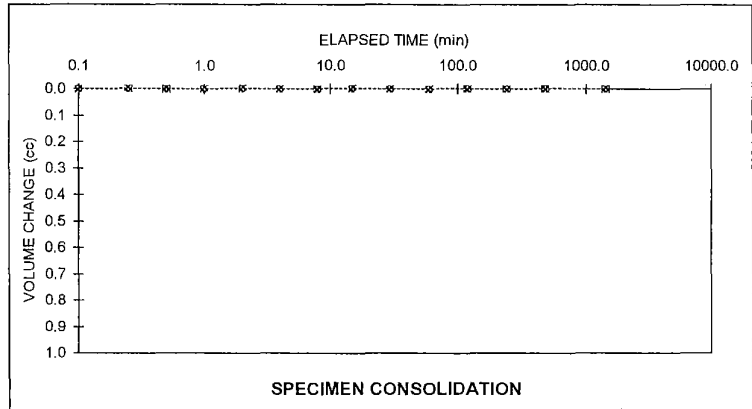
**SPECIMEN SATURATION**

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

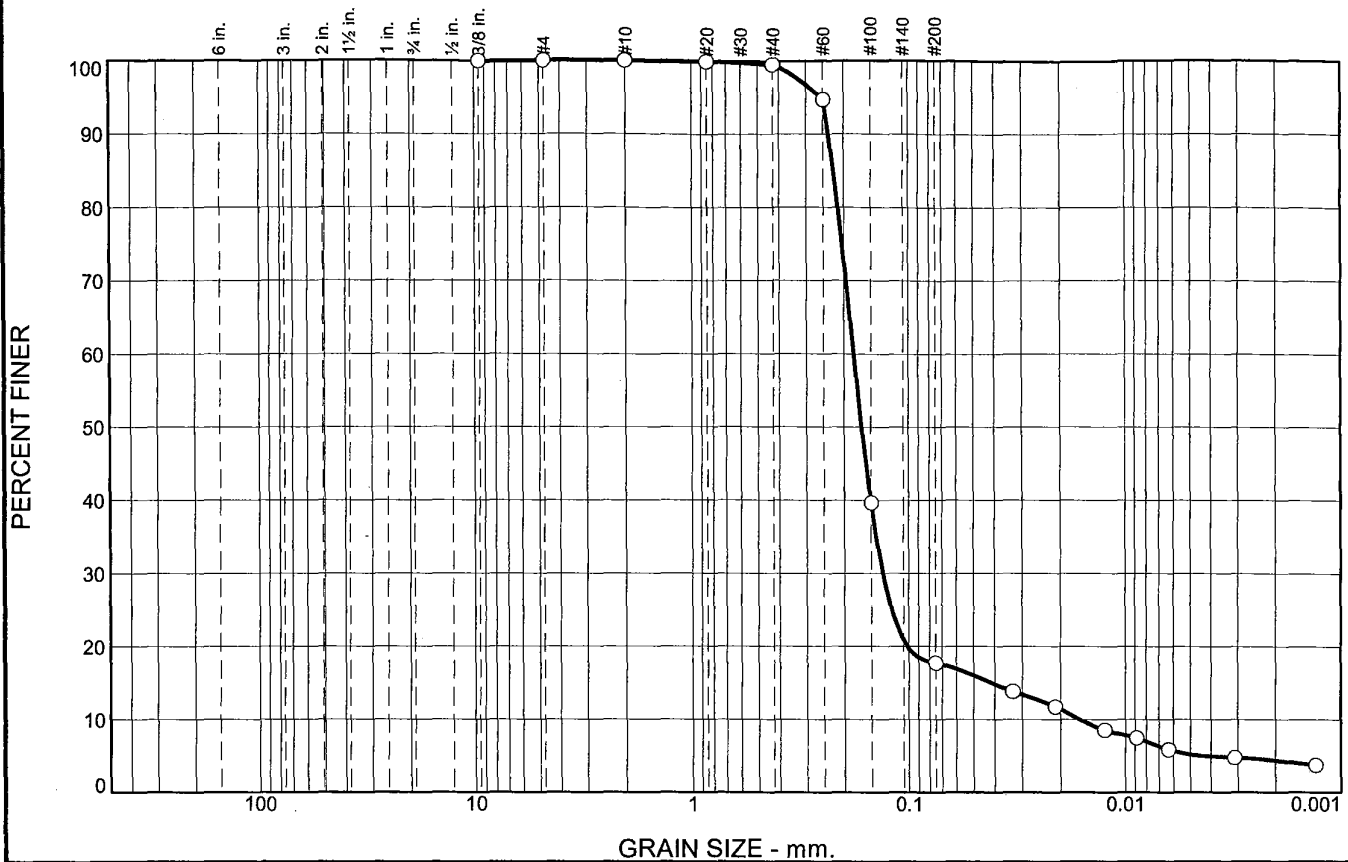
ELAPSED TIME	CHAMBER BURETTE	CHAMBER PRESSURE	VOLUME CHANGE	INFLUENT BURETTE	REGULATED INFLUENT PRESSURE	EFFLUENT BURETTE	REGULATED EFFLUENT PRESSURE	TEMP.
(min)	(ml)	(psi)	(cc)	(ml)	(psi)	(ml)	(psi)	(deg. C)
0	14.2	27.0	0.0	0.4	25.0	24.7	25.0	21.5
66	14.2	27.0	0.0	3.2	25.0	21.8	25.0	21.0
104	14.2	27.0	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>  Mobile, Alabama	Client: Aerostar Project: OMS 28  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: 10 - FOOT**  
**SAMPLE DESCRIPTION: Yellowish brown SILTY fine SAND**

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

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

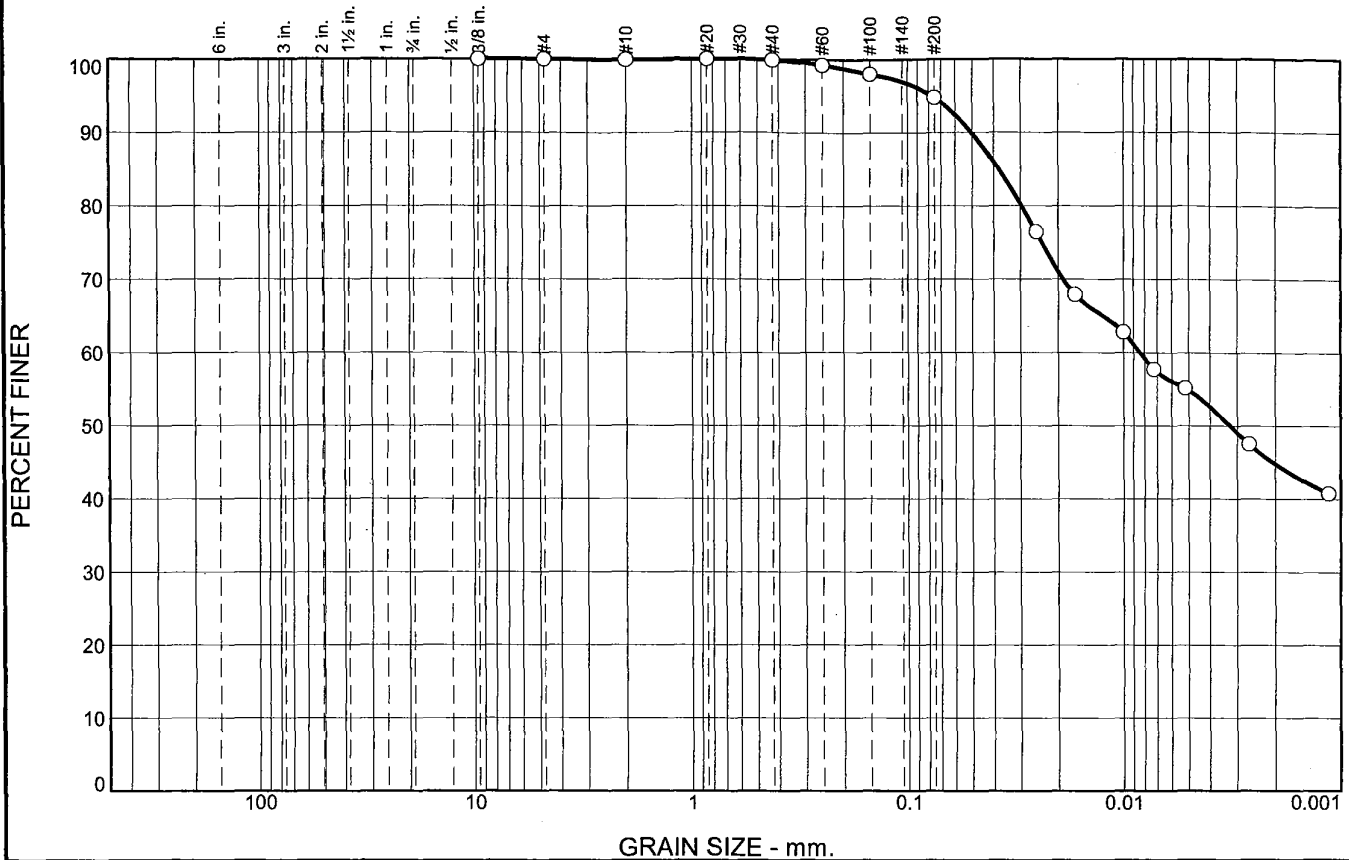
.... LABORATORY RESULTS ....

(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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Mobile, AL 36609  
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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>  <b>Mobile, Alabama</b>	Client: Aerostar Project: OMS 28  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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*Robert Byrd*

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):

Unit 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

**OPERATION**

Start Time: 4/9/2008 15:00

Final Chamber Pressure (psi): 52.0

Time Completed: 4/10/2008 15:08

Final Back-Pressure (psi): 50.0

Duration (min): 1448

Resulting B Value: 0.99

**CONSOLIDATION**

Start Time:

Final Chamber Pressure (psi): 52.0

Time Completed:

Final Back-Pressure (psi): 50.0

Initial Volume (cc): 190.30

Final Specimen Volume (cc): 190.30

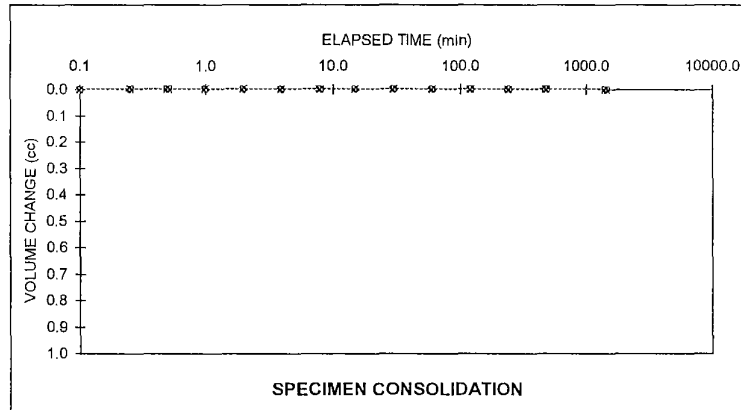
Initial Height (cm): 5.242

Final Specimen Height (cm): 5.242

Initial 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



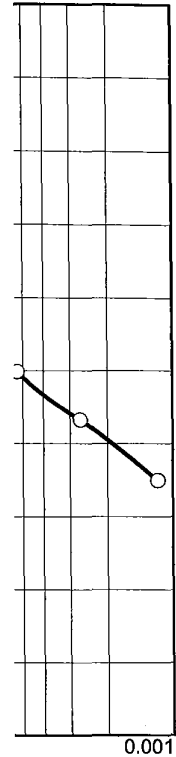
**OPERATION**

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)	GRADIENT (h/l)	WATER VISCOSITY CORRECTION	PERMEABILITY (k. 20 Deg. C) cm/sec
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

3



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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: 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

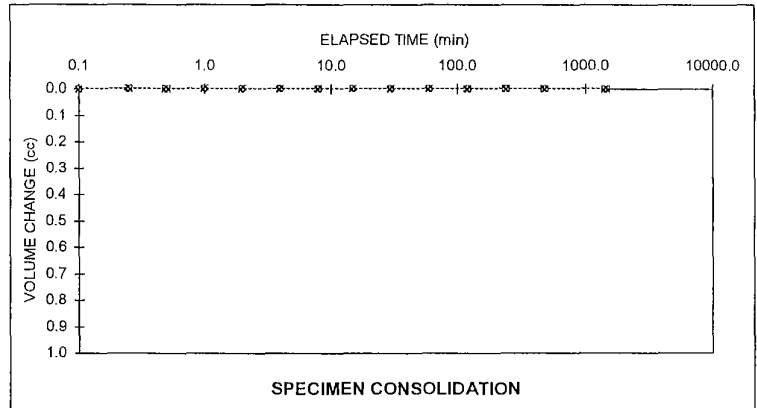
Final Chamber Pressure (psi): 52.0  
Final Back-Pressure (psi): 50.0  
Resulting B Value: 0.98

**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 612081A	
5. Generator's Name and Mailing Address <del>AL. Army National Guard</del> AL. Army National Guard O.M.S - 28			Generator's Site Address (if different than mailing address) AOC-1 Army Corp. Engineers			
Generator's Phone:			U.S. EPA ID Number N/A			
6. Transporter 1 Company Name 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 Springhill Landfill 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 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 William P. Davis			Signature 		Month Day Year 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.:						
16. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Howard FCE - SEC			Signature 		Month Day Year 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:						
17c. Alternate Facility (or Generator)			U.S. EPA ID Number			
Facility's Phone:						
17d. 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 P. Allen			Signature 		Month Day Year 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 03/27/08 03/28/08 06/06/08	Soil & Decon & Development Water	33 Drums	Springhill
OMS-28	07/01/08 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> 20807032001	<b>Client ID</b> MW-12	<b>Matrix</b> Water	<b>Collect Date/Time</b> 07/01/2008 09:30	<b>Receive Date/Time</b> 07/03/2008 09:20
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SW-846 8260B

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

<b>GCAL ID</b> 20807032002	<b>Client ID</b> MW-6	<b>Matrix</b> Water	<b>Collect Date/Time</b> 07/01/2008 13:01	<b>Receive Date/Time</b> 07/03/2008 09:20
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SW-846 8260B

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

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

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	07/13/2008 22:08	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
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> 20807032004	<b>Client ID</b> OMS-28-7	<b>Matrix</b> Water	<b>Collect Date/Time</b> 07/01/2008 15:35	<b>Receive Date/Time</b> 07/03/2008 09:20
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SW-846 8260B

<b>Prep Date</b>	<b>Prep Batch</b>	<b>Prep Method</b>	<b>Dilution</b> 1	<b>Analyzed</b> 07/13/2008 22:30	<b>By</b> JCK	<b>Analytical Batch</b> 392648
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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> 20807032005	<b>Client ID</b> MW-8	<b>Matrix</b> Water	<b>Collect Date/Time</b> 07/01/2008 16:21	<b>Receive Date/Time</b> 07/03/2008 09:20
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SW-846 8260B

<b>Prep Date</b>	<b>Prep Batch</b>	<b>Prep Method</b>	<b>Dilution</b> 1	<b>Analyzed</b> 07/13/2008 20:17	<b>By</b> JCK	<b>Analytical Batch</b> 392648
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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> 20807032006	<b>Client ID</b> MW-9	<b>Matrix</b> Water	<b>Collect Date/Time</b> 07/02/2008 10:31	<b>Receive Date/Time</b> 07/03/2008 09:20
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SW-846 8260B

<b>Prep Date</b>	<b>Prep Batch</b>	<b>Prep Method</b>	<b>Dilution</b> 1	<b>Analyzed</b> 07/14/2008 00:20	<b>By</b> ADI	<b>Analytical Batch</b> 392648
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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> 20807032007	<b>Client ID</b> DUP-1	<b>Matrix</b> Water	<b>Collect Date/Time</b> 07/01/2008 00:00	<b>Receive Date/Time</b> 07/03/2008 09:20
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SW-846 8260B

<b>Prep Date</b>	<b>Prep Batch</b>	<b>Prep Method</b>	<b>Dilution</b> 1	<b>Analyzed</b> 07/13/2008 20:39	<b>By</b> JCK	<b>Analytical Batch</b> 392648
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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>	<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#	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> 20807032009	<b>Client ID</b> OMS-28-5	<b>Matrix</b> Water	<b>Collect Date/Time</b> 07/02/2008 11:21	<b>Receive Date/Time</b> 07/03/2008 09:20
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SW-846 8260B

<b>Prep Date</b>	<b>Prep Batch</b>	<b>Prep Method</b>	<b>Dilution</b> 1	<b>Analyzed</b> 07/13/2008 21:01	<b>By</b> JCK	<b>Analytical Batch</b> 392648
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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> 20807032010	<b>Client ID</b> OMS-28-3	<b>Matrix</b> Water	<b>Collect Date/Time</b> 07/02/2008 12:21	<b>Receive Date/Time</b> 07/03/2008 09:20
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SW-846 8260B

<b>Prep Date</b>	<b>Prep Batch</b>	<b>Prep Method</b>	<b>Dilution</b> 1	<b>Analyzed</b> 07/14/2008 01:04	<b>By</b> ADI	<b>Analytical Batch</b> 392648
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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> 20807032011	<b>Client ID</b> OMS-28-2	<b>Matrix</b> Water	<b>Collect Date/Time</b> 07/02/2008 13:16	<b>Receive Date/Time</b> 07/03/2008 09:20
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SW-846 8260B

<b>Prep Date</b>	<b>Prep Batch</b>	<b>Prep Method</b>	<b>Dilution</b> 1	<b>Analyzed</b> 07/14/2008 01:27	<b>By</b> ADI	<b>Analytical Batch</b> 392648
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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> 20807032012	<b>Client ID</b> TRIP BLANK	<b>Matrix</b> Water	<b>Collect Date/Time</b> 07/02/2008 00:00	<b>Receive Date/Time</b> 07/03/2008 09:20
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SW-846 8260B

<b>Prep Date</b>	<b>Prep Batch</b>	<b>Prep Method</b>	<b>Dilution</b> 1	<b>Analyzed</b> 07/13/2008 23:58	<b>By</b> ADI	<b>Analytical Batch</b> 392648
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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 Prep Batch N/A		Client ID MB392648 GCAL ID 625109 Sample Type Method Blank Analytical Date 07/13/2008 19:44 Matrix Water		LCS392648 625110 LCS 07/13/2008 18:23 Water			LCSD392648 625111 LCSD 07/13/2008 18:45 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 Prep Batch N/A		Client ID MB392648 GCAL ID 625109 Sample Type Method Blank Analytical Date 07/13/2008 19:44 Matrix Water		LCS392648 625110 LCS 07/13/2008 18:23 Water			LCSD392648 625111 LCSD 07/13/2008 18:45 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 Prep Batch N/A		Client ID MW-12 GCAL ID 20807032001 Sample Type SAMPLE Analytical Date 07/13/2008 21:23 Matrix Water		621273MS 625247 MS 07/13/2008 22:52 Water			621273MSD 625248 MSD 07/13/2008 23:14 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 Prep Batch N/A		Client ID MW-12 GCAL ID 20807032001 Sample Type SAMPLE Analytical Date 07/13/2008 21:23 Matrix Water			621273MS 625247 MS 07/13/2008 22:52 Water			621273MSD 625248 MSD 07/13/2008 23:14 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 Prep Batch N/A		Client ID MW-12 GCAL ID 20807032001 Sample Type SAMPLE Analytical Date 07/13/2008 21:23 Matrix Water			621273MS 625247 MS 07/13/2008 22:52 Water			621273MSD 625248 MSD 07/13/2008 23:14 Water			
<b>SW-846 8260B</b>		Units Result	mg/L RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD 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.

### Chain of Custody Record

Lab Report No.:

Company: <b>AEROSTAR</b>	<b>Gulf Coast LabNet, Inc.</b> An Environmental Lab Services Co.	Modified from DEP Form #: 62-770.900(2)	Page / of <b>2</b>
Address: <b>803 GOVT. ST., STE. A MOBILE, AL 36602</b>	Phone: (251) 625-1331 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: 8260 H								←Preservative
Sampler Signature <i>[Signature]</i>	Sampler Signature <i>[Signature]</i>								←Analysis
Sampled by [Print Name]/Affiliation <b>Adam Davis / Curtis Mills</b>									<b>REQUESTED DUE DATE</b>
Item No.	Field ID No.	Sampled Date	Time	Grab or Comp.	Matrix Codes	No. Cont.	Remarks		Lab. No.
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	<i>[Signature]</i> / Aerostar	7/1/08	1515	<i>[Signature]</i> / GC	7-2-08	1515	
Additional Comments		30	<i>[Signature]</i> / GC	7-2-08	1800	FedEx y.m.	7-2-08	1800	
			FedEx y.m.	7/3/8	0920	A. [Signature]	7/3/8	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)



### Chain of Custody Record

Lab Report No.:

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

Attn:	Phone:											← Preservative	
<b>MARSHALL ESCHETE</b>	Fax:											← Analysis	
Sampled by [Print Name]/Affiliation		Sampler Signature						<b>REQUESTED DUE DATE</b>					
<b>Adam Davis / Aerostar</b>		<i>[Signature]</i>											
Item No.	Field ID No.	Sampled		Grab or Comp.	Matrix Codes	No. Cont.						Remarks	Lab. No.
		Date	Time										
1	OMS28-3	7/2/08	1221	⊖	GW	3	X						-10
1	OMS28-2	7/2/08	1316	G	GW	3	X						-11
1	Trip Blank	7/2/08	—	—	—	3	X						-12
<b>NOTHING FOLLOWS</b>													

Shipment Method		9/2		36 20		33 TOTAL PAGES 1 of 2					
Out: / /	Via:	Item #	Relinquished by / Affiliation	Date	Time	Accepted by / Affiliation		Date	Time		
Returned: / /	Via:	1	<i>[Signature]</i> Aerostar	7/2/08	1515	<i>[Signature]</i> / GA		7-2-08	1515		
Additional Comments		3				FedEx go.m.		7-2-08	1800		
						FedEx go.m.		7/3/8	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> 20806072201	<b>Client ID</b> OMS-28-1 (0-5)	<b>Matrix</b> Solid	<b>Collect Date/Time</b> 06/06/2008 10:00	<b>Receive Date/Time</b> 06/07/2008 09:00
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SW-846 8260B

<b>Prep Date</b>	<b>Prep Batch</b>	<b>Prep Method</b>	<b>Dilution</b> 1	<b>Analyzed</b> 06/14/2008 01:06	<b>By</b> JCK	<b>Analytical Batch</b> 375646
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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> 20806072202	<b>Client ID</b> OMS-28-1 (5-10)	<b>Matrix</b> Solid	<b>Collect Date/Time</b> 06/06/2008 10:05	<b>Receive Date/Time</b> 06/07/2008 09:00
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SW-846 8260B

<b>Prep Date</b>	<b>Prep Batch</b>	<b>Prep Method</b>	<b>Dilution</b> 1	<b>Analyzed</b> 06/14/2008 02:13	<b>By</b> JCK	<b>Analytical Batch</b> 375646
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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> 20806072203	<b>Client ID</b> OMS-28-1 (10-15)	<b>Matrix</b> Solid	<b>Collect Date/Time</b> 06/06/2008 10:10	<b>Receive Date/Time</b> 06/07/2008 09:00
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SW-846 8260B

<b>Prep Date</b>	<b>Prep Batch</b>	<b>Prep Method</b>	<b>Dilution</b> 1	<b>Analyzed</b> 06/14/2008 01:28	<b>By</b> JCK	<b>Analytical Batch</b> 375646
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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> 20806072204	<b>Client ID</b> OMS-28-1 (65-70)	<b>Matrix</b> Solid	<b>Collect Date/Time</b> 06/06/2008 11:35	<b>Receive Date/Time</b> 06/07/2008 09:00
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SW-846 8260B

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

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

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	17.4	0.010	0.010	%

RESULTS REPORTED ON A DRY WEIGHT BASIS

# GC/MS Volatiles Quality Control Summary

Analytical Batch 375646 Prep Batch N/A		Client ID MB375646 GCAL ID 614700 Sample Type Method Blank Analytical Date 06/13/2008 23:12 Matrix Solid			LCS375646 614701 LCS 06/13/2008 21:16 Solid			LCSD375646 614702 LCSD 06/13/2008 21:39 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 Prep Batch N/A		Client ID MB375646 GCAL ID 614700 Sample Type Method Blank Analytical Date 06/13/2008 23:12 Matrix Solid			LCS375646 614701 LCS 06/13/2008 21:16 Solid			LCSD375646 614702 LCSD 06/13/2008 21:39 Solid			
<b>SW-846 8260B</b>		Units Result	mg/kg RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD 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 <b>Prep Batch</b> 375162 <b>Prep Method</b> SW-846 7471A	<b>Client ID</b> MB375162 <b>GCAL ID</b> 612366 <b>Sample Type</b> Method Blank <b>Prep Date</b> 06/07/2008 16:45 <b>Analytical Date</b> 06/10/2008 10:23 <b>Matrix</b> Solid	LCS375162 612367 LCS 06/07/2008 16:45 06/10/2008 10:25 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 <b>Prep Batch</b> 375162 <b>Prep Method</b> SW-846 7471A	<b>Client ID</b> #1 BAGHOUSE DUST <b>GCAL ID</b> 20806072301 <b>Sample Type</b> SAMPLE <b>Prep Date</b> 06/07/2008 16:45 <b>Analytical Date</b> 06/10/2008 10:26 <b>Matrix</b> Solid	612321MS 612369 MS 06/07/2008 16:45 06/10/2008 10:29 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 <b>Prep Batch</b> 375162 <b>Prep Method</b> SW-846 7471A	<b>Client ID</b> #1 BAGHOUSE DUST <b>GCAL ID</b> 20806072301 <b>Sample Type</b> SAMPLE <b>Prep Date</b> 06/07/2008 16:45 <b>Analytical Date</b> 06/10/2008 10:26 <b>Matrix</b> Solid	612321DUP 612368 DUP 06/07/2008 16:45 06/10/2008 10:28 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 <b>Prep Batch</b> 375159 <b>Prep Method</b> SW-846 3050B	<b>Client ID</b> MB375159 <b>GCAL ID</b> 612356 <b>Sample Type</b> Method Blank <b>Prep Date</b> 06/07/2008 16:45 <b>Analytical Date</b> 06/12/2008 21:51 <b>Matrix</b> Solid	LCS375159 612357 LCS 06/07/2008 16:45 06/12/2008 21:58 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 <b>Prep Batch</b> 375159 <b>Prep Method</b> SW-846 3050B	<b>Client ID</b> #1 BAGHOUSE DUST <b>GCAL ID</b> 20806072301 <b>Sample Type</b> SAMPLE <b>Prep Date</b> 06/07/2008 16:45 <b>Analytical Date</b> 06/12/2008 22:04 <b>Matrix</b> Solid	612321MS 612359 MS 06/07/2008 16:45 06/12/2008 22:15 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 3050B	<b>Sample Type</b> SAMPLE	DUP				
	<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 <b>Prep Batch</b> N/A	<b>Client ID</b> <b>GCAL ID</b> <b>Sample Type</b> <b>Analytical Date</b> <b>Matrix</b>	DRUMS 1-8 20806047701 SAMPLE 06/10/2008 10:53 Solid	611221DUP 612513 DUP 06/10/2008 10:53 Solid		
<b>SM 2540G Dry Weight</b>		<b>Units</b> <b>Result</b>	<b>%</b> <b>RDL</b>	<b>Result</b>	<b>RPD</b> <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.

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CURTIS EKKER  
DATA VALIDATION MANAGER  
GCAL REPORT 208060722

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

# Chain of Custody Record

Labnet / 4 [redacted] 5/16/20060722/6-13-05

Company: [redacted] Aeros for Environmental

Address: 88 [redacted] 3-A Government St

**Gulf Coast LabNet, Inc.**  
 An Environmental Lab Services Co.

Phone: (251) 625-1331  
 Fax: (251) 625-1299

Attn: [redacted] Marshall Eschete Phone: 251-432-2664  
 Fax: 251-432-2685

Sampled by [redacted] [Print Name]/Affiliation Sampler Signature  
[redacted] + Davis - Aeros for

Item No.	Field ID No.	Sampled		Grab or Comp.	Matrix Codes	No. Cont.	TCR	Volatiles	T. 8	S. 8	S. 10
		Date	Time								
OM <span style="background-color: yellow;">[redacted]</span>	S-28-1 (0-5)	06-06-08	10:00	G	Soil	4	X	X			
OM <span style="background-color: yellow;">[redacted]</span>	-28-1 (5-10)	06-06-08	10:05	G	Soil	4	X	X			
OM <span style="background-color: yellow;">[redacted]</span>	S-28-1 (10-15)	06-06-08	10:10	G	Soil	4	X	X			
OM <span style="background-color: yellow;">[redacted]</span>	S-28-1 (65-70)	06-06-08	11:35	G	Soil	4	X	X			

Free											
TCR	Volatiles										
T. 8	S. 8	S. 10									

Shipment Method [redacted] 16 ← Total Number of Containers

Out: / / Via: Item # Relinquished by / Affiliation Date Time

Returned: / / Via: Marshall Eschete Aeros for 06-06-08/14

Additional [redacted] Comments  
 ✓ [redacted] + [redacted]  
 U [redacted] ACE Package  
 6/6/08 17:00  
 6-7-08 9:00

Cooler No.(s) / Temperature(s) (°C) §

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W =

PRESERVATIVE CODES: H = Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfur

## ANALYTICAL REPORT

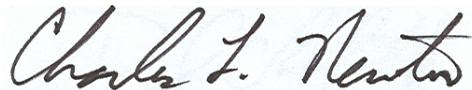
Job Number: 700-28354-1

Job Description: Aerostar Environmental - OMS-28

For:

Aerostar Environmental Services, Inc.  
803 Government Street  
Suite A  
Mobile, AL 36602

Attention: Marshall Eschete



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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 Sampled</b>	<b>Date/Time 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
1,1,2,2-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

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General Chemistry

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

Lab Sample ID: 700-28354-1  
Client Matrix: Solid

Date Sampled: 03/27/2008 0845  
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  
Client Matrix: Solid

Date Sampled: 03/27/2008 0850  
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  
Client Matrix: Solid

Date Sampled: 03/27/2008 0855  
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
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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.

# TestAmerica

# Mobile

TA Mobile  
 900 Lakeside Drive  
 Mobile, AL 36693  
 www.testamericainc.com  
 Phone: (251) 666-6693  
 Fax: (251) 666-6693

### ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TA Mobile  
 900 Lakeside Drive  
 Mobile, AL 36693  
 Phone: (251) 666-6693  
 Fax: (251) 666-6693

PROJECT REFERENCE: **QMS-28** PROJECT NO.: **0908-503-05** PROJECT LOCATION (STATE): **AL** CONTRACT NO.: **AL**

CLIENT (SITE) PM: **Marshall Eschete** CLIENT PHONE: **251-432-2664** CLIENT FAX: **251-432-2685**

CLIENT NAME: **Merston Env.** CLIENT EMAIL: **meschete@merston.net**

CLIENT ADDRESS: **Merston Env.**

LAB PROJECT MANAGER: **QMS-28** P.O. NUMBER: **0908-503-05**

COMPANY CONTRACTING THIS WORK (if applicable): **Merston Env.** SAMPLER'S SIGNATURE: **[Signature]**

DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	REQUIRED ANALYSES	STANDARD REPORT DELIVERY	EXPEDITED REPORT DELIVERY (SURCHARGE)	DATE DUE
3/27/08	0845	QMS-28-2(0-5)	G					8260 B			
3/27/08	0850	QMS-28-2(5-10)	G								
3/27/08	0855	QMS-28-2(15-20)	G								

RECEIVED FOR LABORATORY BY: **[Signature]** DATE: **3/27/08** TIME: **14153** CUSTODY INTACT:  YES  NO SEAL NO: **20-28354** LOG NO: **20-28354** LABORATORY REMARKS: **2.20C**

Original - Return to Laboratory with Sample(s)

**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

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#	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



<b>GCAL ID</b> 20804012004	<b>Client ID</b> OMS-28-5 (0-5)	<b>Matrix</b> Solid	<b>Collect Date/Time</b> 03/27/2008 10:45	<b>Receive Date/Time</b> 04/01/2008 11:41
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SW-846 8260B DOD Solid

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

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#	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)	0.000985U	0.00666	0.000985	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



<b>GCAL ID</b> 20804012008	<b>Client ID</b> OMS-28-4 (5-10)	<b>Matrix</b> Solid	<b>Collect Date/Time</b> 03/27/2008 13:30	<b>Receive Date/Time</b> 04/01/2008 11:41
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SW-846 8260B DOD Solid

<b>Prep Date</b>	<b>Prep Batch</b>	<b>Prep Method</b>	<b>Dilution</b> 1	<b>Analyzed</b> 04/06/2008 15:36	<b>By</b> JCK	<b>Analytical Batch</b> 371626
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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

<b>GCAL ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Collect Date/Time</b>	<b>Receive Date/Time</b>
20804012008	OMS-28-4 (5-10)	Solid	03/27/2008 13:30	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 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

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#	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> 20804012011	<b>Client ID</b> DUP 1	<b>Matrix</b> Solid	<b>Collect Date/Time</b> 03/27/2008 08:45	<b>Receive Date/Time</b> 04/01/2008 11:41
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SW-846 8260B DOD Solid

<b>Prep Date</b>	<b>Prep Batch</b>	<b>Prep Method</b>	<b>Dilution</b> 1	<b>Analyzed</b> 04/06/2008 16:44	<b>By</b> JCK	<b>Analytical Batch</b> 371626
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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> 20804012012	<b>Client ID</b> DUP 2	<b>Matrix</b> Solid	<b>Collect Date/Time</b> 03/27/2008 10:45	<b>Receive Date/Time</b> 04/01/2008 11:41
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SW-846 8260B DOD Solid

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

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

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/06/2008 17:30	JCK	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

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

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			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

<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#	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

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#	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

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

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/06/2008 03:33	JCK	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

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

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			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

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

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			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

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

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/06/2008 20:30	JCK	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



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#	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

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

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/08/2008 19:44	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>0.000202J</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 Prep Batch N/A		Client ID MB371626 GCAL ID 595446 Sample Type Method Blank Analytical Date 04/06/2008 12:21 Matrix Solid		LCS371626 595447 LCS 04/06/2008 11:13 Solid			LCSD371626 595510 LCSD 04/06/2008 11:36 Solid				
SW-846 8260B DOD Solid		Units Result	mg/kg RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD 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 Prep Batch N/A		Client ID MB371626 GCAL ID 595446 Sample Type Method Blank Analytical Date 04/06/2008 12:21 Matrix Solid		LCS371626 595447 LCS 04/06/2008 11:13 Solid			LCSD371626 595510 LCSD 04/06/2008 11:36 Solid				
SW-846 8260B DOD Solid		Units Result	mg/kg RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD 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 Prep Batch N/A		Client ID MB371628 GCAL ID 595452 Sample Type Method Blank Analytical Date 04/05/2008 19:07 Matrix Solid		LCS371628 595453 LCS 04/05/2008 17:07 Solid			
SW-846 8260B DOD Solid		Units Result	mg/kg RDL	Spike Added	Result	% R	Control 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 Prep Batch N/A		Client ID MB371628 GCAL ID 595452 Sample Type Method Blank Analytical Date 04/05/2008 19:07 Matrix Solid	LCS371628 595453 LCS 04/05/2008 17:07 Solid				
SW-846 8260B DOD Solid		Units Result	mg/kg RDL	Spike Added	Result	% R	Control 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 Prep Batch N/A		Client ID MB371628 GCAL ID 595452 Sample Type Method Blank Analytical Date 04/05/2008 19:07 Matrix Solid		LCS371628 595453 LCS 04/05/2008 17:07 Solid			
SW-846 8260B DOD Solid		Units Result	mg/kg RDL	Spike Added	Result	% R	Control 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 Prep Batch N/A		Client ID MB371633 GCAL ID 595469 Sample Type Method Blank Analytical Date 04/08/2008 19:22 Matrix Water		LCS371633 595470 LCS 04/08/2008 18:17 Water			LCSD371633 595508 LCSD 04/08/2008 18:39 Water				
SW-846 8260B DOD Water		Units Result	mg/L RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD 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 Prep Batch N/A		Client ID MB371633 GCAL ID 595469 Sample Type Method Blank Analytical Date 04/08/2008 19:22 Matrix Water			LCS371633 595470 LCS 04/08/2008 18:17 Water			LCSD371633 595508 LCSD 04/08/2008 18:39 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 Prep Batch N/A		Client ID MB371633 GCAL ID 595469 Sample Type Method Blank Analytical Date 04/08/2008 19:22 Matrix Water		LCS371633 595470 LCS 04/08/2008 18:17 Water			LCSD371633 595508 LCSD 04/08/2008 18:39 Water				
SW-846 8260B DOD Water		Units Result	mg/L RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD 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 Prep Batch N/A		Client ID MB371712 GCAL ID 595972 Sample Type Method Blank Analytical Date 04/07/2008 01:47 Matrix Solid		LCS371712 595973 LCS 04/07/2008 00:39 Solid			LCSD371712 595974 LCSD 04/07/2008 01:02 Solid				
SW-846 8260B		Units Result	mg/kg RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD 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 Prep Batch N/A		Client ID MB370779 GCAL ID 591251 Sample Type Method Blank Analytical Date 04/07/2008 12:18 Matrix Water		LCS370779 591252 LCS 04/07/2008 10:34 Water			
SW-846 8260B TCLP		Units Result	mg/L RDL	Spike Added	Result	% R	Control 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 Prep Batch N/A		Client ID SPENT HYDROTREATING (TCLP) GCAL ID 20804012502 Sample Type SAMPLE Analytical Date 04/07/2008 17:22 Matrix Solid		589209MS 591362 MS 04/07/2008 17:45 Solid			589209MSD 591363 MSD 04/07/2008 18:07 Solid				
SW-846 8260B TCLP		Units Result	mg/L RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD 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 <b>Prep Batch</b> N/A		<b>Client ID</b> SPENT HYDROTREATING (TCLP) <b>GCAL ID</b> 20804012502 <b>Sample Type</b> SAMPLE <b>Analytical Date</b> 04/07/2008 17:22 <b>Matrix</b> Solid			589209MS 591362 MS 04/07/2008 17:45 Solid			589209MSD 591363 MSD 04/07/2008 18:07 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  $\pm 20\%$  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  $\pm 20\%$  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  $\pm 20\%$  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/4565/2010/0120/4908

Company: <b>AEROSTAR</b>	<b>Gulf Coast LabNet, Inc.</b> An Environmental Lab Services Co.	Modified from DEP Form #: 62-770.900(2)	Page   of <b>2</b>
Address: <b>803 GOVT. ST., STE. A</b> <b>MOBILE, AL 36602</b>	Phone: (251) 625-1331 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 <b>William "Prent" Dewis/Jenston</b>		Sampler Signature <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>grab</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 <b>Brookley data package</b>			<b>FEDEX b/cw</b>		<b>5-31-08</b>	<b>1700</b>	<b>FEDEX b/cw</b>		<b>3/31/08</b>	<b>1700</b>	
					<b>4-1-08</b>	<b>1141</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/14869/20804020/4-9-08

# Chain of Custody Record

Lab Report No.:

Company: <b>AEROSTAR</b>	<b>Gulf Coast LabNet, Inc.</b> An Environmental Lab Services Co.	Modified from DEP Form #: 62-770.900(2)	Page 2 of 2
Address:	Phone: (251) 625-1331 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:		%		H		← Preservative		
Sampled by [Print Name]/Affiliation <b>William "Prent" Davis/Aerostar</b>		Sampler Signature <i>[Signature]</i>		Fax:		I		← Analysis		
								<b>REQUESTED DUE DATE</b>		
Item No.	Field ID No.	Date	Time	Grab or Comp.	Matrix Codes	No. Cont.			Remarks	Lab. No.
	<b>OMS-28-4 (70-75)</b>	<b>3/27/08</b>	<b>1430</b>	<b>Grab</b>	<b>SO</b>	<b>4</b>	<b>✓</b>	<b>✓</b>	<b>REPORT in ppm on DRY WT. BASIS.</b>	<b>10</b>
	<b>Dup 1</b>	<b>↓</b>	<b>0845</b>	<b>↓</b>	<b>↓</b>	<b>↓</b>	<b>✓</b>	<b>✓</b>		<b>11</b>
	<b>Dup 2</b>	<b>↓</b>	<b>1045</b>	<b>↓</b>	<b>↓</b>	<b>↓</b>	<b>✓</b>	<b>✓</b>		<b>12</b>
	<b>Dup 3</b>	<b>↓</b>	<b>1320</b>	<b>↓</b>	<b>↓</b>	<b>↓</b>	<b>✓</b>	<b>✓</b>		<b>13</b>

Shipment Method		← Total Number of Containers						
Out: / /	Via:	Item #	Relinquished by / Affiliation	Date	Time	Accepted by / Affiliation	Date	Time
Returned: / /	Via:		<b>Marshall Eschete</b>	<b>3-28-08</b>	<b>10:30</b>	<i>[Signature]</i>	<b>3/28/08</b>	<b>1030</b>
Additional Comments			<i>[Signature]</i>	<b>3/31/08</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>	<i>[Signature]</i>	<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) **CA<sub>2</sub>OH + NaHSO<sub>4</sub>**



# Chain of Custody Record

Lab Report No.:

Labnet 14569/208040120/4408

Company: <b>AEROSTAR</b>	<b>Gulf Coast LabNet, Inc.</b> An Environmental Lab Services Co.	Modified from DEP Form #: 62-770.900(2)	Page   of
Address: <b>803 GOVT. ST., STE. A MOBILE, AL 36602</b>	Phone: (251) 625-1331 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 ESCARTE</b>		Phone:		Sampler Signature		TCLP		← Preservative	
Sampled by [Print Name]/Affiliation <b>William "Prest" Davis/Aerostar</b>		Fax:		Sampler Signature		TCLP		← Analysis	
								<b>REQUESTED DUE DATE</b>	
Item No.	Field ID No.	Date	Time	Grab or Comp.	Matrix Codes	No. Cont.		Remarks	Lab. No.
	<b>OMS-28-3(0-5)</b>	<b>3/26/08</b>	<b>1320</b>	<b>Grab</b>	<b>SO</b>	<b>4</b>	<b>✓</b>	<b>REPORT in ppm ON DRY WT-BASIS. 14</b>	
	<b>OMS-28-3(5-10)</b>	<b>3/26/08</b>	<b>1325</b>	<b>Grab</b>	<b>SO</b>	<b>4</b>	<b>✓</b>		<b>15</b>
	<b>OMS-28-3(10-15)</b>	<b>3/26/08</b>	<b>1330</b>	<b>↓</b>	<b>↓</b>	<b>4</b>	<b>✓</b>		<b>16</b>
	<b>OMS-28-7(0-5)</b>	<b>3/26/08</b>	<b>1345</b>	<b>↓</b>	<b>↓</b>	<b>4</b>	<b>✓</b>		<b>17</b>
	<b>OMS-28-7(5-10)</b>	<b>3/26/08</b>	<b>1350</b>	<b>↓</b>	<b>↓</b>	<b>4</b>	<b>✓</b>		<b>18</b>
	<b>OMS-28-7(15-20)</b>	<b>3/26/08</b>	<b>1600</b>	<b>↓</b>	<b>↓</b>	<b>4</b>	<b>✓</b>		<b>19</b>

Shipment Method		← Total Number of Containers							
Out: / /	Via:	Item #	Relinquished by / Affiliation	Date	Time	Accepted by / Affiliation	Date	Time	
Returned: / /	Via:		<b>Marshall Escarte/AES</b>	<b>3-28-08</b>	<b>10:30</b>	<b>[Signature]</b>	<b>3/28/08</b>	<b>1030</b>	
Additional Comments <b>Brookley DATA PACKAGE</b>				<b>3-31-08</b>	<b>1700</b>	<b>FEDEx by CW</b>	<b>3/31/08</b>	<b>1700</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>1358</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>**







**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> 20807094001	<b>Client ID</b> OMS28-1	<b>Matrix</b> Water	<b>Collect Date/Time</b> 07/08/2008 09:52	<b>Receive Date/Time</b> 07/09/2008 09:30
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SW-846 8260B

<b>Prep Date</b>	<b>Prep Batch</b>	<b>Prep Method</b>	<b>Dilution</b> 1	<b>Analyzed</b> 07/14/2008 01:49	<b>By</b> ADI	<b>Analytical Batch</b> 392648
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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> 20807094002	<b>Client ID</b> OMS28-6	<b>Matrix</b> Water	<b>Collect Date/Time</b> 07/08/2008 11:45	<b>Receive Date/Time</b> 07/09/2008 09:30
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SW-846 8260B

<b>Prep Date</b>	<b>Prep Batch</b>	<b>Prep Method</b>	<b>Dilution</b> 1	<b>Analyzed</b> 07/14/2008 02:12	<b>By</b> ADI	<b>Analytical Batch</b> 392648
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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> 20807094003	<b>Client ID</b> OMS28-4	<b>Matrix</b> Water	<b>Collect Date/Time</b> 07/08/2008 13:56	<b>Receive Date/Time</b> 07/09/2008 09:30
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SW-846 8260B

<b>Prep Date</b>	<b>Prep Batch</b>	<b>Prep Method</b>	<b>Dilution</b> 1	<b>Analyzed</b> 07/14/2008 02:34	<b>By</b> ADI	<b>Analytical Batch</b> 392648
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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> 20807094004	<b>Client ID</b> IDW	<b>Matrix</b> Water	<b>Collect Date/Time</b> 07/08/2008 14:00	<b>Receive Date/Time</b> 07/09/2008 09:30
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SW-846 8260B

<b>Prep Date</b>	<b>Prep Batch</b>	<b>Prep Method</b>	<b>Dilution</b> 1	<b>Analyzed</b> 07/14/2008 02:56	<b>By</b> ADI	<b>Analytical Batch</b> 392648
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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> 20807094005	<b>Client ID</b> RINSATE-2	<b>Matrix</b> Water	<b>Collect Date/Time</b> 07/08/2008 08:05	<b>Receive Date/Time</b> 07/09/2008 09:30
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SW-846 8260B

<b>Prep Date</b>	<b>Prep Batch</b>	<b>Prep Method</b>	<b>Dilution</b> 1	<b>Analyzed</b> 07/14/2008 03:18	<b>By</b> ADI	<b>Analytical Batch</b> 392648
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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> 20807094006	<b>Client ID</b> DUP-2	<b>Matrix</b> Water	<b>Collect Date/Time</b> 07/08/2008 00:00	<b>Receive Date/Time</b> 07/09/2008 09:30
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SW-846 8260B

<b>Prep Date</b>	<b>Prep Batch</b>	<b>Prep Method</b>	<b>Dilution</b> 1	<b>Analyzed</b> 07/14/2008 03:40	<b>By</b> ADI	<b>Analytical Batch</b> 392648
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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> 20807094007	<b>Client ID</b> TRIP BLANK	<b>Matrix</b> Water	<b>Collect Date/Time</b> 07/08/2008 00:00	<b>Receive Date/Time</b> 07/09/2008 09:30
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SW-846 8260B

<b>Prep Date</b>	<b>Prep Batch</b>	<b>Prep Method</b>	<b>Dilution</b> 1	<b>Analyzed</b> 07/14/2008 04:03	<b>By</b> ADI	<b>Analytical Batch</b> 392648
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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 Prep Batch N/A		Client ID MB392648 GCAL ID 625109 Sample Type Method Blank Analytical Date 07/13/2008 19:44 Matrix Water		LCS392648 625110 LCS 07/13/2008 18:23 Water			LCSD392648 625111 LCSD 07/13/2008 18:45 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 Prep Batch N/A		Client ID MB392648 GCAL ID 625109 Sample Type Method Blank Analytical Date 07/13/2008 19:44 Matrix Water		LCS392648 625110 LCS 07/13/2008 18:23 Water			LCSD392648 625111 LCSD 07/13/2008 18:45 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 Prep Batch N/A		Client ID MW-12 GCAL ID 20807032001 Sample Type SAMPLE Analytical Date 07/13/2008 21:23 Matrix Water		621273MS 625247 MS 07/13/2008 22:52 Water			621273MSD 625248 MSD 07/13/2008 23:14 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 Prep Batch N/A		Client ID MW-12 GCAL ID 20807032001 Sample Type SAMPLE Analytical Date 07/13/2008 21:23 Matrix Water			621273MS 625247 MS 07/13/2008 22:52 Water			621273MSD 625248 MSD 07/13/2008 23:14 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 Prep Batch N/A		Client ID GCAL ID Sample Type Analytical Date Matrix		MW-12 20807032001 SAMPLE 07/13/2008 21:23 Water			621273MS 625247 MS 07/13/2008 22:52 Water		621273MSD 625248 MSD 07/13/2008 23:14 Water			
<b>SW-846 8260B</b>		Units Result	mg/L RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD 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.



Labnet/4569/208070940/7-1608

# Chain of Custody Record

Lab Report No.:

Company: **AEROSTAR**  
 Address: **803 GOV. ST., STE. A**  
**MOBILE, AL 36602**

**Gulf Coast LabNet, Inc.**  
**An Environmental Lab Services Co.**

Phone: (251) 625-1331

Fax: (251) 625-1299

Modified from DEP Form #: 62-770.900(2)

Page **1/1**

FDEP Facility No.:

Project Name: **BROOKLEY FIELD OMS-28**

Location: **MOBILE, AL**

Project No.:

Attn: **MARSHALL ESCHEDE**  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_

Sampled by [Print Name]/Affiliation: **Adam Davis/AEROSTAR**  
 Sampler Signature:

Item No.	Field ID No.	Sampled		Grab or Comp.	Matrix Codes	No. Cont.	TCL H 8260
		Date	Time				
1	OMS28-1	7/8/08	0952	G	GW	3	✓
1	OMS28-6		1145	G	GW	3	✓
1	OMS28-4		1356	G	GW	3	✓
1	IDW		1400	C	GW	3	✓
1	Rinstate-2		0805	C	-	3	✓
1	Trip Blank		-	C	-	3	✓
1	Dup-2		-	G	GW	3	✓
NOTHING FOLLOWS							


← Preservative
← Analysis
<b>REQUESTED DUE DATE</b>
Remarks: <b>REPORT IN ppm</b>
Lab. No. 1
Lab. No. 2
Lab. No. 3
Lab. No. 4
Lab. No. 5
Lab. No. 7
Lab. No. 6

Shipment Method: **20** ← Total Number of Containers

Out: / /	Via:	Item #	Relinquished by / Affiliation	Date	Time	Accepted by / Affiliation	Date	Time
Returned: / /	Via:	1	/AEROSTAR	7/8/08	1425	/GCA	7-8-08	1425
Additional Comments			/GCA	7-8-08	1800	FedEx g.d.m.	7-8-08	1800
			FedEx g.d.m.	7-9-08	930	←	7-9-08	930

Cooler No.(s) / Temperature(s) (°C): \_\_\_\_\_ Sampling Kit No.: **7358** Equipment ID No.: **2'**

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)

**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/ 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/ 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- BLANK	07/02/2008 07/08/2008	TRIP-BLANK	NA	Groundwater	TCL 8260

NA = Not applicable

