thompson
ENGINEERING

Alabama Risk-Based Corrective Action Report Organizational Maintenance Shop - 28

MARCH 2011

Prepared for:

U.S. Army Corp of Engineers – Mobile District
Mobile, Alabama, Contract Number W91278-06-D-0066
Task Order 0015, Modification 001

On behalf of:

AEROSTAR
ENVIRONMENTAL SERVICES INC

Aerostar Environmental Services, Inc.

Project Number: 10-2116-0112

Prepared by:
Melissa M Montgomery
Environmental Scientist

Reviewed By:
William K. Parrish, P.G.
Senior Scientist

2970 Cottage Hill Road, Suite 190
Mobile, AL 36606
251.666.2443 ph. / 251.666.6422 fax
www.thompsonengineering.com

A THOMPSON HOLDINGS, INC. COMPANY

TABLE OF CONTENTS

1.0 INTRODUCTION 1-1

2.0 SITE CHARACTERIZATION 2-1

2.1 Chronology of Events 2-1
2.2 Site Description and Land Use 2-2
2.2.1 Location and Vicinity 2-2
2.2.2 Topography 2-2
2.2.3 Current Land Use 2-2
2.2.4 Future Land Use 2-2
2.3 Site Geology, Hydrogeology and Stratigraphy 2-3
2.3.1 Regional and Site Geology 2-3
2.3.2 Regional and Site Hydrogeology 2-4
2.3.3 Regional and Site Stratigraphy 2-5
2.4 Water Use 2-6
2.4.1 Current Water Use 2-6
2.4.2 Future Water Use 2-6
2.5 Release Scenario and Source Characterization 2-6
2.5.1 Chemicals of Concern 2-6
2.5.2 Distribution of COCs 2-6

3.0 PRELIMINARY SCREENING LEVEL EVALUATION 3-1

3.1.1 Surface Soil 3-1
3.1.2 Subsurface Soil 3-1
3.1.3 Groundwater 3-1
3.1.4 Surface Water 3-2
3.1.5 Sediments 3-2
3.2 Comparison with Preliminary Screening Levels 3-2
3.3 Recommendations 3-2

4.0 EXPOSURE ASSESSMENT 4-1

4.1 Introduction 4-1
4.1.1 Sources 4-1
4.1.2 Release Mechanisms 4-1
4.1.3 Transport Media 4-1
4.1.4 Receptors 4-1
4.1.5 Pathways of Exposure 4-2
4.2 Site Descretization into Exposure Domains 4-2
4.3 Site Conceptual Exposure Models for Exposure Domains 4-3
4.3.1 Site Conceptual Exposure Models for Current Conditions 4-3
4.3.2 Site Conceptual Exposure Models for Future Conditions 4-3
4.4 Groundwater Resource Protection 4-3
4.5 Surface Water and Stream Protection 4-3
4.6 Ecological Exposure 4-3

5.0 RM-1 EVALUATION 5-1
5.1 Exposure Domain Concentrations 5-1
5.1.1 Surface Soil 5-1
5.1.2 Subsurface Soil 5-1
5.1.3 Groundwater 5-1
5.1.4 Surface Water 5-1
5.1.5 Sediments 5-1
5.2 Cumulative Risk Evaluation 5-1
5.3 Development of RM-1 Levels 5-1
5.4 Comparison of RM-1 Levels 5-2
5.5 Risk Management Recommendations 5-2
6.0 RM-2 EVALUATION 6-1
6.1 Exposure Domain Concentrations 6-1
6.1.1 Surface Soil 6-1
6.1.2 Subsurface Soil 6-1
6.1.3 Groundwater 6-1
6.1.4 Surface Water 6-1
6.1.5 Sediments 6-1
6.2 Toxicological Properties 6-1
6.3 Physical and Chemical Properties 6-1
6.4 Exposure Factors 6-2
6.5 Fate and Transport Parameters 6-2
6.6 Models and Equations 6-2
6.7 Chemicals with Missing Data 6-2
6.8 Cumulative Risk Evaluation 6-2
6.9 Calculation of RM-2 Levels 6-2
6.10 Risk Management Recommendations 6-3
7.0 CONCLUSIONS AND RECOMMENDATIONS 7-1
8.0 REFERENCES 8-1

TABLE OF CONTENTS (CONT)

List of Figures

Figure 1 Site Vicinity Map
Figure 2 Site Map
Figure 3 Site Source and Resource Protection Map
Figure 4 Site Conceptual Exposure Model
Figure 5 Topographic Map
Figure 6 Land Use Map for at Least a 500-Foot Radius
Figure 7 Soil Boring Logs and Monitor Well Construction Diagrams
Figure 8 Geologic Cross-Section
Figure 9 Area Geology Map
Figure 10 Water Supply Well Locations and Surface Waters
Figure 11 Groundwater Potentiometric Surface Map, November 2009
Figure 12 Groundwater Potentiometric Surface Map, March 2010
Figure 13 Groundwater Potentiometric Surface Map, November 2010
Figure 14 Monitoring Well and Soil Boring Locations
Figure 15 Current and Historical Groundwater COC Trend Graphs (Natural Attenuation Monitoring Report)

List of Tables

Table 1 Analytical Data Summary of Surficial and Subsurface Soil with Comparison to ADEM PSVs
Table 2 Analytical Data Summary of Groundwater with Comparison to ADEM PSVs
Table 3 Soil Geotechnical Data
Table 4 Calculations of Representative Concentrations
Table 5 RM-1 Calculated Cumulative Risk within Each Exposure Domain
Table 6 Calculations of RM-1 RBTLs
Table 7 RM-2 Calculated Cumulative Risk within Each Exposure Domain
Table 8 Calculations of RM-2 RBTLs

List of Appendices

Appendix A Laboratory Analytical Data for Soil and Groundwater Chemicals of Concern
Appendix B Laboratory Data for Soil Geotechnical Analysis

LIST OF ACRONYMS

AANG	Alabama Army National Guard
ADEM	Alabama Department of Environmental Management
ARBCA	Alabama Risk Based Corrective Action
bgs	below ground surface
COCs	Chemicals of Concern
COPC	Chemicals of Potential Concern
DoD	Department of Defense
FAA	Federal Aviation Administration
HI	Hazard Index
I-10	Interstate Highway 10
LUC	land use controls
MAA	Mobile Airport Authority
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MSL	Mean Sea Level
NAMR	Natural Attenuation Monitoring Report
OMS-28	Organizational Maintenance Shop 28
PCE	tetrachloroethene
PI	Preliminary Investigation
POE	Point of Exposure
PSVs	Preliminary Screening Values
RBTLs	Risk-Based Target Levels
RMP	Risk Management Plan
SCEM	Site Conceptual Exposure Model
SI	Secondary Investigation
SSTLs	Site Specific Target Levels
TCE	trichloroethene
USA	University of South Alabama
UST	Underground Storage Tank

1.0 INTRODUCTION

Thompson Engineering Inc. (Thompson Engineering) has completed an Alabama Risk-Based Corrective Action (ARBCA) Report for the U.S. Army Corps of Engineers (USACE) Mobile district on behalf of Aerostar Environmental Services, Inc. (AEROSTAR) of the Organizational Maintenance Shop 28 (OMS-28) Site. Figure 1, Site Vicinity Map, identifies the location of the OMS-28 Site and surrounding area topography while Figure 2, is an aerial photograph of the OMS-28 Site. Figure 3, Site Source and Resource Protection Map, identifies the Exposure Domains and property boundaries as well as existing monitor wells. All figures are located in the Figures section at the end of this report.

The objective of the assessment was to perform the ARBCA for the OMS-28 Site to provide a risk-based approach for the assessment of cumulative risk and development and selection of appropriate Risk-Based Target Levels (RBTLs) for the site. In order to achieve the objective, AEROSTAR provided documentation to include historical and current soil and groundwater data, identification of chemicals of potential concern (COPCs) and using preliminary screening values (PSVs) to identify chemicals of concern (COCs). COCs were identified as tetrachloroethene (PCE) and trichloroethene (TCE).

The ARBCA was conducted in accordance with the Alabama Department of Environmental Management (ADEM) Alabama Risk-Based Corrective Action Guidance Manual, April 2008 – Revision 2. The software used is the ARBCA Computational Software Version 2.1R, developed by Risk Assessment and Management Group, Inc., May 2009.

A Site Conceptual Exposure Model (SCEM) is provided in Figure 4. For an ARBCA evaluation, human receptors to be considered should include persons who live or work within at least a 500-foot radius of the site boundary. The SCEM is discussed in greater detail in Section 4.0, Exposure Assessment.

Based upon the soil sample concentrations and continuing groundwater exceedences of PCE and TCE, it was AEROSTAR's recommendation in the Supplemental Comprehensive Investigation Groundwater Monitoring Report, Revision 1, December 2010, that an ARBCA be performed for the groundwater impacts at OMS-28.

2.0 SITE CHARACTERIZATION

2.1 Chronology of Events

Description	Date	Findings/Recommendations
UST Closure	October 1992	A 2000 gallon gas/diesel underground storage tank (UST) was removed from the site.
UST Preliminary Investigation (PI)	October 1993	The PI identified petroleum contaminated soil and groundwater associated with the former UST.
UST Secondary Investigation (SI)	December 1994	The SI completely delineated the presence of petroleum contamination in soil and groundwater associated with the former UST. Quarterly groundwater monitoring was begun.
UST SI Addendum	August 2005	Groundwater sampling at a new well installation, (MW-8), identified the presence of TCE. The TCE was determined to be an unknown release not associated with the presence of the former UST.
UST ARBCA Assessment	August 2005	Site Specific Target Levels (SSTLs) were developed and approved in November 2006.
TCE Comprehensive Investigation	April 2007	Soils contaminated by TCE were defined. TCE in groundwater was generally defined however it was recommended that additional wells be installed for horizontal delineation and vertical delineation down gradient.
Supplemental Comprehensive Investigation	November 2008	Additional monitor wells were installed for horizontal and vertical delineation. TCE is delineated vertically and horizontally in groundwater.
Groundwater Monitoring Report	April 2009	Groundwater Compliance Monitoring
Groundwater Monitoring Report	August 2009	Groundwater Compliance Monitoring
Groundwater Monitoring Report	December 2009	Groundwater Compliance Monitoring
Groundwater Monitoring Report	June 2010	Groundwater Compliance Monitoring
Groundwater Monitoring Report	January 2011	Groundwater Compliance Monitoring

2.2 Site Description and Land Use

2.2.1 Location and Vicinity

OMS-28 is located in Mobile County, near downtown Mobile at 1622 South Broad Street, between Interstate 10 (I-10) and Mobile Bay, Figure 1, Site Vicinity Map. 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. The OMS-28 site is surrounded by I-10 to the west and north, the Fort Floyd A. McCorkle Alabama Army National Guard (AANG) facility building to the east, and Farmer Fresh Produce, Masonite, Inc., and SpillTech, Inc. to the south on Nowlin Street.

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 majority of the property is owned by the Mobile Airport Authority (MAA), an entity of the City of Mobile. The Brookley Complex is currently used as an industrial complex and airport by the MAA.

2.2.2 Topography

The property is relatively flat with an elevation of 20 to 30 feet above mean sea level (MSL), Figure 5, Topographic Map. Surface flow from stormwater runoff across the site varies due to surface grade, vegetation, and porous surface medium.

2.2.3 Current Land Use

Current land use is commercial. 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 area, i.e., on the source soils or over the groundwater plume. The AANG facility building is located approximately 250 feet east of the site. The nearest residential structure is approximately 250 feet northeast of the site. Figure 6 illustrates the current land use for the study area.

2.2.4 Future Land Use

At this time the land use designation is designated commercial. The department of defense (DoD) owns the OMS #28 portion of the property, the MAA owns the property directly in back of the OMS #28 and private landowners own the reminder. There are no other known future land uses designated for this location. The use of the property will likely remain commercial due to its immediate proximity to the railroad tracks and the interstate and because it is adjacent to a growing National Guard, Airport, and Industrial Complex. However, the ARBCA will consider residential land use to identify the risks associated with that potential future use scenario.

2.3 Site Geology, Hydrogeology and Stratigraphy

2.3.1 Regional and Site Geology

Information about the site geology was provided from AEROSTAR. The information identified that with some exceptions, a dark red to brown and gray silty clay loam was encountered from just below ground surface (bgs) to a depth of 5 to 10 feet 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 depths in the deep borings that varied from 76 to 90 feet bgs where light gray sandy clay, clayey sand, and silty clayey sand extended to a depth of 104 feet bgs where light gray clay and silty clay was encountered from 104 feet bgs to 120 feet bgs. Soil boring logs and monitoring well construction diagrams are provided as Figure 7 while Figure 8 is a geologic cross section through the study area.

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 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. The 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.

Figure 9 is a geologic map of the area surrounding the site.

2.3.2 Regional and Site 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^3/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.

2.3.3 Regional and Site Stratigraphy

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.

2.4 Water Use

2.4.1 Current Water Use

No public wells are located within the 1 mile survey. Figure 10, Water Supply Well Locations and Surface Waters, illustrate that there are no water supply wells or surface water located within a 1,000 foot radius of the subject site.

2.4.2 Future Water Use

It is not foreseen that a public well will be installed for future use potential. As a precaution a hypothetical well (Point of Exposure –POE) was placed at the closest downgradient residential property boundary. The POE is located approximately 155 feet from the downgradient edge of the soil source (Figure 3).

2.5 Release Scenario and Source Characterization

The release scenario and source characterization is performed from available site specific data, provided by AEROSTAR, and does not include any additional sampling for performing the ARBCA.

2.5.1 Chemicals of Concern

Based on adequately characterized exposure domains, both soil and groundwater maximum representative concentrations identified PCE and TCE as COCs, i.e., that exceed the ADEM PSVs. The surficial and subsurface soils and historical and current groundwater data tables are attached as Tables 1 and 2, respectively. Both PCE and TCE are COCs in surficial soils and groundwater. TCE is the only COC identified in subsurface soils. These COCs are discussed in further detail in Section 3.0, Preliminary Screening Level Evaluation.

2.5.2 Distribution of COCs

2.5.2.1 Soil

The estimated dimensions of the primary soil source, (soil exposure domain), is 66 feet in length, 48 feet in width, and 7 feet in depth or approximately 800 cubic yards of soil and is illustrated on Figure 3. The primary soil exposure domain lies entirely within the OMS-28 property limits. One smaller isolated soil exposure domain is identified just to the west northwest of the primary soil exposure domain at soil sample location B-17 and is estimated as 10 feet in length, 10 feet in width, and 8 feet in depth or approximately 28 cubic yards and

is illustrated on Figure 3. This smaller exposure domain has a PCE concentration at the surface and at the 8-10 foot interval that exceeds the residential PSV. Soil samples were not collected from 1-8 feet. The 8-10 foot sample was collected within groundwater and therefore it cannot be determined if the soil is contaminated from the surface to this depth or if contaminated groundwater contributed to the exceedence.

2.5.2.2 Groundwater

The estimated dimensions of the groundwater contaminant extent, (groundwater exposure domain), is 180 feet in length, 120 feet in width, and 14 feet in depth and is illustrated on Figure 3. The groundwater contamination extent is a thin elliptical feature oriented northwest from the primary soil exposure domain on OMS-28 property onto MAA property to the west. The vertical extent of groundwater contamination is determined by vertical groundwater sample delineation. A review of the groundwater data from six consecutive groundwater sample events have demonstrated the groundwater exposure domain remains relatively static, i.e., no longer expanding.

Measurements of groundwater elevation data, provided by AEROSTAR, identify groundwater flow direction as generally north-northwest and along the same axis of the groundwater contamination extent. Figures, 11, 12 and 13 illustrate groundwater flow direction for measurements made in November 2009, March 2010, and November 2010.

2.5.2.3 Surface Water

There are no surface waters within 1,000 feet of the subject site as illustrated by Figure 10, and no surface water data has collected.

2.5.2.4 Soil Vapors

Soil vapor measurements have not been collected at the subject site. No physical structures exist on either the soil or groundwater exposure domains.

2.5.2.5 Sediments

Sediments were not evaluated for this ARBCA.

2.5.2.6 Geotechnical Data

Geotechnical data, available from Aerostar, is provided as Table 3. Data for porosity, dry bulk density and water content were used for the ARBCA model.

3.0 PRELIMINARY SCREENING LEVEL EVALUATION

3.1.1 Surface Soil

The concentration of PCE exceeded the residential PSV of 0.48 milligrams per kilograms (mg/kg) in the surface sample collected from boring B-17 (0.933 mg/kg), Figure 14, Monitoring Wells and Soil Boring Locations Map. The concentrations of TCE exceeded both the residential and commercial PSVs of 0.0530 mg/kg and 0.110 mg/kg, respectively in surface samples collected from borings HA-2 (0.241 mg/kg) and HA-15 (0.586 mg/kg). All other surface samples were either non-detect for VOCs or were detected below their respective PSVs for VOCs. Surface soil sample analytical results from soil borings are presented on Table 1 with comparison to ADEM PSVs. The concentration of 0.933 mg/kg for PCE and 0.586 mg/kg for TCE was selected as the maximum representative concentrations in surficial soils for the exposure domain(s). Table 4 identifies the representative concentrations.

3.1.2 Subsurface Soil

The concentrations of PCE in the subsurface samples collected were either non-detect or were detected below the residential and commercial PSVs except at one location. PCE was reported above the residential PSV of 0.005 mg/kg in the 8'-10' soil sample collected from boring B-17 (0.186 mg/kg). TCE was reported above the residential PSV of 0.053 mg/kg in the soil boring OMS-28-6 10'-15' (0.107 mg/kg) and in HA-7 8'-10' (0.069 mg/kg), Figure 14, Monitoring Wells and Soil Boring Locations Map. TCE was reported above the residential (0.053 mg/kg) and commercial (0.110 mg/kg) PSVs in soil borings HA-6 8'-10' (0.15 mg/kg), HA-15 8'-10' (0.132 mg/kg), and OMS-28-3 10'-15' (0.211 mg/kg). All other subsurface samples collected at the site were either non-detect for VOCs or were detected below their respective PSVs for VOCs. Subsurface soil sample analytical results from soil borings are presented on Table 1 with comparison to ADEM PSVs. The concentration of 0.211 mg/kg for TCE was selected as the maximum representative concentrations in subsurface soil for the exposure domain. Table 4 identifies the representative concentrations.

3.1.3 Groundwater

From July 2008 to September 2010, there have been six groundwater sampling events that have included the sampling of TCE and PCE. PCE has been reported above the PSV of 0.005 milligrams per liter (mg/L) in monitor well OMS-28-5 during the previous six sampling events, Figure 14, Monitoring Wells and Soil Boring Locations Map. TCE has been reported above the PSV of 0.005 mg/L in monitor wells MW-8, OMS-28-3, and OMS-28-5 during the previous six sampling events. Current, (September 2010), and historical groundwater sample analytical results from monitor wells are presented on Table 2 with comparison to ADEM PSVs. The concentration of 0.234 mg/L for PCE (OMS-28-5 reported in May 2009) and 0.162 mg/L for TCE (OMS-28-5 reported in May 2009) was selected as the maximum representative concentrations in groundwater for the groundwater exposure domain based on the most recent four consecutive groundwater sample events. Table 4 identifies the

representative concentrations. Current and historical groundwater COC trends are provided as Figure 15, Natural Attenuation Monitoring Report (NAMR).

3.1.4 Surface Water

No surface water samples have been collected as part of this evaluation and there are no surface waters within 1,000 feet of the site.

3.1.5 Sediments

No sediment samples have been collected as part of this evaluation.

3.2 Comparison with Preliminary Screening Levels

As noted in the previous section, surface soil PSVs were exceeded in one sample location for PCE and two sample locations for TCE. The surface PCE exceedence was in the same order of magnitude as the residential PSV. The surface TCE exceedences were one order of magnitude above the residential PSV and the same order of magnitude as the commercial PSV.

PCE was reported above the residential PSV at one location in the subsurface samples collected. The sample was detected two orders of magnitude above the PSV. TCE was reported above the residential PSV at two locations in the subsurface samples collected. One subsurface sample was reported one order of magnitude above the PSV and the other was reported in the same order of magnitude as the PSV. TCE was reported above the residential and commercial PSVs at three locations in the subsurface samples collected. The three subsurface samples were reported one order of magnitude above the residential PSV and in the same order of magnitude as the commercial PSV.

PCE and TCE have been reported above the groundwater PSV in groundwater samples from monitor well OMS-28-5 during the previous six sampling events. TCE has historically been detected above the PSV in monitor wells MW-8 and OMS-28-3. MW-8, OMS-28-3 and OMS-28-5 define the groundwater contaminant extent.

3.3 Recommendations

An RM-1 was recommended based upon the PSV evaluation which identified COCs and exposure domains for both soil and groundwater. An RM-2 evaluation will also be performed since the RM-1 evaluation identified site concentrations exceeding target cumulative risk levels. The RM-1 results are discussed in greater detail in Section 5.0, RM-1 Evaluation. The RM-2 evaluation will use available site fate and transport values and is discussed in greater detail in Section 6.0, RM-2 Evaluation.

4.0 EXPOSURE ASSESSMENT

4.1 Introduction

The ARBCA was performed with the use of Alabama Risk-Based Corrective Action Computation Software developed by Risk Assessment and Management Group, Inc. Version 2.1-R, May 2009.

4.1.1 Sources

Based on analytical data collected during the December 1994 SI, the presence of TCE was determined in groundwater samples. The TCE was reported to not be associated with the presence of the former UST but to be a separate "solvent spill" downgradient of the former UST. The presence of TCE has been fully delineated in soils. A release date for the presence of the TCE is not determined based on available information. Therefore the contaminated soil is the source. It was noted that two separate soils domains were identified. However because the contamination is similar and levels in both are similar the model recognizes one soil source. The smaller soil exposure domain has a PCE concentration at the surface and at the 8' to 10' interval that exceeds the residential PSV. Soil samples were not collected from 1' to 8' at this location. The 8' to 10' sample was collected within groundwater and therefore it cannot be determined if the soil is contaminated from the surface to this depth or if contaminated groundwater contributed to the exceedance. For these reasons the ARBCA evaluation will focus on both these soil exposure domains as one and use the maximum contaminant level for both TCE and PCE.

4.1.2 Release Mechanisms

The release mechanism is not known since there is no reporting or documentation of a release, only the presence of the chemicals. There is no apparent potential above ground source at the site, therefore the soil itself is the current source for further release of TCE/PCE from the soil matrix either through mechanical or chemical disturbance.

4.1.3 Transport Media

The release of TCE and PCE has shown impact to surficial and subsurface soils as well as the groundwater below the soil source. TCE and PCE was transported by leaching from recharge events and transported through the subsurface to the groundwater below the source soils. Groundwater movement has transported the TCE and PCE over time to represent the current groundwater contaminant extent, i.e., groundwater exposure domain, Figure 3.

4.1.4 Receptors

Based on the current use of the site the receptors are identified as follows:

- Commercial Worker-Adult
- Construction Worker-Adult

- Trespasser (Adolescent)
- Resident Child (within 500-feet)
- Resident Adult (within 500-feet)

The Resident Adult and Child are addressed as a requirement of the ARBCA and that evaluation should consider human receptors living or working within at least a 500-foot radius of the site boundary. For future use a Resident Child and Resident Adult were also assessed.

4.1.5 Pathways of Exposure

The entire OMS #28 facility is a limited access facility and on-site personnel are limited to the larger source area of exposure, i.e., surficial soils. The surface area of the soil exposure domain is grassed and maintained year round. A fence is erected across the eastern and southern area. The area is open (no fence) along the northern (on Duval Street) and western (on the Railroad tracks) side and although heavily over grown with underbrush, a trespasser could be considered a potential receptor if contacting surficial soils. A commercial worker or construction worker has access to the area on a limited basis. The soil exposure domain(s) are in the rear area of the OMS-28 facility and not in the everyday operations area.

Subsurface soils are not expected to be encountered unless construction occurs within the exposure domains.

Water is supplied to the OMS-28 facility through the City of Mobile municipal water supply and there are no private wells located within the study and survey location. Groundwater is at a depth of approximately 7 feet below the land surface and is not likely to be encountered even during most construction activities.

4.2 Site Descretization into Exposure Domains

As described in Section 2.5.2, soil and groundwater analytical data was evaluated and used to determine the exposure domains. Both soil and groundwater exposure domains are located on the OMS-28 facility and MAA, within the Brookley Complex, and currently do not exist under buildings on-site or off-site on adjoining properties.

It was noted previously that two separate soils domains were identified. The larger primary soil source, (soil exposure domain), is 66 feet in length, 48 feet in width, and 7 feet in depth or approximately 800 cubic yards of soil and is illustrated on Figure 3. The primary soil exposure domain lies entirely within the OMS-28 property limits. The smaller soil exposure domain is isolated to the surface only and is identified just to the west northwest of the primary soil exposure domain at soil sample location B-17. It is estimated as 10 feet in length, 10 feet in width, and 8 foot in depth or approximately 28 cubic yards and lies entirely within the MAA property limits as illustrated on Figure 3.

The contaminant and the contamination levels at the two soil exposure domains are similar. For these reasons the ARBCA evaluation will focus on both these soil

exposure domains as one exposure domain and use the maximum contaminant level for both TCE and PCE.

The estimated dimensions of the groundwater contaminant extent, (groundwater exposure domain), is 180 feet in length, 120 feet in width, and 14 feet in depth and is illustrated on Figure 3. The groundwater contamination extent is a thin elliptical feature oriented northwest from the primary soil exposure domain on OMS-28 property onto MAA property to the west. The vertical extent of groundwater contamination is determined by vertical groundwater sample delineation.

4.3 Site Conceptual Exposure Models for Exposure Domains

4.3.1 Site Conceptual Exposure Models for Current Conditions

Current use of the site includes commercial and occasional construction workers. Trespassers are also included as potential receptors. The ARBCA also requires human receptors within 500 feet of the site boundary to be evaluated. This would include a Resident Adult and Resident Child.

4.3.2 Site Conceptual Exposure Models for Future Conditions

The DoD owns the property where the primary source still exists in soils however the smaller soil exposure domain and groundwater contamination extends onto the MAA property. Future use of the site is currently determined to be the same as current use. However, for the purpose of evaluating a future residential use of the site as unrestricted, the resident adult and resident child were evaluated.

4.4 Groundwater Resource Protection

The use of groundwater as a current and future drinking water is the basis of the groundwater resource component of the ARBCA evaluation. The maximum representative concentrations for PCE and TCE from the soil source were used as input data for the groundwater resource protection evaluation.

4.5 Surface Water and Stream Protection

There are no surface waters or streams within 1,000 feet of the site; therefore, surface water and stream protection were not evaluated.

4.6 Ecological Exposure

Since there are no surface waters or streams and a sensitive population is not present, an ecological exposure pathway was not evaluated.

5.0 RM-1 EVALUATION

5.1 Exposure Domain Concentrations

5.1.1 Surface Soil

The concentrations of 0.933 mg/kg for PCE and 0.586 mg/kg for TCE were selected as the maximum representative concentrations in surficial soils for the exposure domain.

5.1.2 Subsurface Soil

Subsurface pathways for indoor inhalation of vapor emissions and outdoor inhalation of vapor emissions were considered not complete. Outdoor inhalation of particulates was considered a potential exposure for a construction worker. The concentrations of 0.933 mg/kg for PCE and 0.586 mg/kg for TCE were selected as the maximum representative concentrations in subsurface soil for the exposure domain.

5.1.3 Groundwater

The concentration of 0.234 mg/L for PCE and 0.162 mg/L for TCE was selected as the maximum representative concentrations in groundwater for the groundwater exposure domain.

5.1.4 Surface Water

There are no surface waters or streams within 1,000 feet of the site therefore surface water and stream protection were not evaluated.

5.1.5 Sediments

Sediments were not evaluated for this ARBCA.

5.2 Cumulative Risk Evaluation

The results of the ARBCA RM-1 evaluation using default parameters did not identify a cumulative risk that exceeded appropriate risk levels for a commercial worker, construction worker or trespasser. A cumulative risk that exceeds risk levels is present for future use scenario for a resident child or resident adult for surface soil dermal contact, inhalation of particulates or ingestion of particulates or groundwater. The ARBCA recognizes risk when the cumulative risk value is greater than 1×10^{-5} and a HI is greater than 1. Table 5 is provided to represent RM-1 Calculated Cumulative Risk within each exposure domain.

5.3 Development of RM-1 Levels

RM-1 clean up levels were calculated for those receptors where a cumulative risk or hazard index exists. The clean-up levels for a receptor are calculated only if the cumulative risk exceeds the acceptable risk. Table 6 identifies the RBTLs for each receptor evaluated. A cumulative risk and a hazard index (HI) are present for future

use scenario for a resident child and resident adult for dermal contact, ingestion of particulates and ingestion of groundwater.

5.4 Comparison of RM-1 Levels

RM-1 RBTLs were compared to the representative concentrations. This comparison identifies the representative concentrations for a resident child and resident adult for surface soil dermal contact, inhalation of particulates or ingestion of particulates or groundwater ingestion exceed the RBTLs.

5.5 Risk Management Recommendations

RM-1 RBTLs are exceeded therefore an RM-2 is recommended using site-specific fate and transport and toxicological information that is available.

6.0 RM-2 EVALUATION

Based on the RM-1 evaluation, an RM-2 evaluation was performed and the results are addressed below.

6.1 Exposure Domain Concentrations

6.1.1 Surface Soil

The same concentrations used for the RM-1 evaluation were used in the RM-2 evaluation. The concentrations of 0.933 mg/kg for PCE and 0.586 mg/kg for TCE were selected as the maximum representative concentrations in surficial soils for the exposure domain.

6.1.2 Subsurface Soil

Subsurface pathways for indoor inhalation of vapor emissions and outdoor inhalation of vapor emissions were considered not complete. Outdoor inhalation of particulates was considered a potential exposure for a construction worker. The concentrations of 0.933 mg/kg for PCE and 0.586 mg/kg for TCE were selected as the maximum representative concentrations in subsurface soil for the exposure domain.

6.1.3 Groundwater

The same concentrations used for the RM-1 evaluation were used in the RM-2 evaluation. The concentrations of 0.234 mg/L for PCE and 0.133 mg/L for TCE were selected as the maximum representative concentrations in groundwater for the exposure domain.

6.1.4 Surface Water

There are no surface waters or streams within 1,000 feet of the site; therefore, surface water and stream protection were not evaluated

6.1.5 Sediments

Sediments were not evaluated for the ARBCA.

6.2 Toxicological Properties

The toxicological properties for PCE and TCE are the default values provided by the program.

6.3 Physical and Chemical Properties

The physical and chemical properties used for the RM-2 are the default parameters provided in the ARBCA software program, with some exceptions. Porosity, water content, soil bulk density and length and width of the exposure domains were utilized.

6.4 Exposure Factors

The exposure factors used for the RM-2 are default provided in the software program.

6.5 Fate and Transport Parameters

Some site specific data was available for input of the fate and transport parameters. Fate and transport information such as the length of soil source area, thickness of vadose zone, depth to top of groundwater, length and width of groundwater source, total soil porosity, dry soil bulk density and infiltration rate were used rather than default parameters.

6.6 Models and Equations

No other models or equations were used other than the RM-1/RM-2 evaluation software.

6.7 Chemicals with Missing Data

Data was provided by AEROSTAR.

6.8 Cumulative Risk Evaluation

The results of the ARBCA RM-2 evaluation using default and site specific fate and transport parameters did not identify a cumulative risk that exceeded appropriate risk levels for a commercial worker, construction worker or trespasser. A cumulative risk that exceeds risk levels is present for future use scenario for a resident child or resident adult who may ingest groundwater. The ARBCA recognizes risk when the cumulative risk value greater that 1×10^{-5} and a HI is greater than 1.

Based on the current exposure domains and commercial land use, a corrective action using RBTLs is not required because there is no risk. The cumulative risk for a trespasser is 1.74×10^{-7} and HI is 4.61×10^{-4}, the cumulative risk for a commercial worker is 1.54×10^{-7} and HI is 1.61×10^{-4}, the cumulative risk for a construction worker is 1.35×10^{-8} and HI is 3.56×10^{-4}. Please note that the HIs are for PCE only because the sum of the IELCR is less than 1×10^{-6}.

Table 7 is provided to represent RM-2 Calculated Cumulative Risk within each exposure domain.

6.9 Calculation of RM-2 Levels

RM-2 clean up levels were calculated for those receptors where a cumulative risk or hazard index exists. Table 8 identifies the RBTLs for each receptor evaluated. The cumulative risk for a resident child is 7.04×10^{-4} and Hazard Index (HI) is 3.22. The cumulative risk and HI for a resident adult are 1.51×10^{-3} and 1.38, respectively.

If a future use scenario were to be an unrestricted use, i.e., residential scenario, RBTLs for corrective action would be required. The residential child RBTL for surficial soil (dermal contact, ingestion, and inhalation) is calculated as 0.00832 mg/kg for TCE and 0.0132 mg/kg for PCE. The resident adult/resident RBTL for surficial soil (dermal contact, ingestion, and inhalation) is calculated as 0.00388 mg/kg for TCE and 0.00618 mg/kg for PCE. These RBTLs are lower than the ADEM residential soil PSVs of 0.0530 mg/kg for TCE and 0.480 mg/kg for PCE. For reducing and eliminating exposure risk to groundwater, the residential child RBTL is 0.0023 mg/L for TCE and 0.00332 mg/L for PCE. The groundwater resident adult/resident RBTL is 0.0017 mg/L for TCE and 0.00155 mg/L for PCE. These RBTLs are lower than the ADEM groundwater/tap water PSVs of 0.005 mg/kg for TCE and 0.005 for PCE.

Currently, there are no groundwater supply wells within a 1 mile radius, Figure 10. The use of groundwater in this area as potable water source is unlikely due to its shallow nature, its proximity to Mobile Bay, and due to the fact that all residential water for drinking and other uses is provided by the public water supply system. It is not foreseen that a public groundwater well will be installed for future use potential. As a precaution a hypothetical well for potential exposure (POE) was placed at the closest downgradient residential property boundary. The POE is located approximately 155 feet from the downgradient edge of the soil source, Figure 3. The RM-2 model, for protection of groundwater use without biodegradation, identified allowable concentrations of TCE at the soil source, groundwater source, sentry well and POE. Allowable concentrations for TCE are identified as 1.12 mg/kg at the soil source, 2.58 x 10^{-2} mg/L at the groundwater source and sentry well, and 5.00 x 10^{-3} mg/L at the POE. Allowable concentrations for PCE are identified as 1.16 mg/kg at the soil source, 2.58 x 10^{-2} mg/L at the groundwater source and sentry well, and 5.00 x 10^{-3} mg/L at the POE. The groundwater source and the sentry well are both the same well in the model and would be identified as MW-8. Therefore, in order to be protective at the POE, the source soils would need to achieve a clean up level of 1.12 mg/kg for TCE and 1.16 mg/kg for PCE, and groundwater would need to achieve levels of 2.58 x 10^{-2} mg/L at the source, i.e., MW-8. If the future POE is the source, then 5.00 x 10^{-3} mg/L will be the allowable concentration at MW-8. Table 8 provides allowable concentrations for TCE and PCE at the soil source protective at the POE.

Table 8 also provides allowable concentrations for the soil source and POE with biodegradation. The allowable concentrations are only slightly less restrictive and are the same order of magnitude.

6.10 Risk Management Recommendations

A Risk Management Plan (RMP) is recommended to manage or remediate risk at the site. The RMP should be developed to determine the use of institutional land use controls (LUCs) to manage the potential risk.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Current use of the site is acceptable for the commercial worker, construction worker and trespasser. Residents may be at risk if ingestion of groundwater were to occur at a POE.

The soil source domain will continue to be a source for groundwater as long as recharge events can occur. Grass and other vegetative growth over the soils prevent dermal contact and inhalation of particulates as long as the area is maintained as a grass cover and mowing or other landscaping activities are kept to a minimum so as not to disturb the surface soils. Further, LUCs such as asphalt paving or concrete would preclude recharge moving through the source soils and thus reduce potential for further leaching and release. Evidence that the groundwater exposure domain is static, i.e., no longer expanding, indicates the ground cover minimizes recharge to subsurface and thus reduces contaminant migration.

If the future use of the property changes or LUCs cannot be instituted, corrective action may be required.

It is recommended that a RMP be prepared. The RMP should be developed to address a corrective action plan, if necessary. The plan should also identify remediation goals, monitoring, LUCs and objectives for no further action (NFA).

8.0 REFERENCES

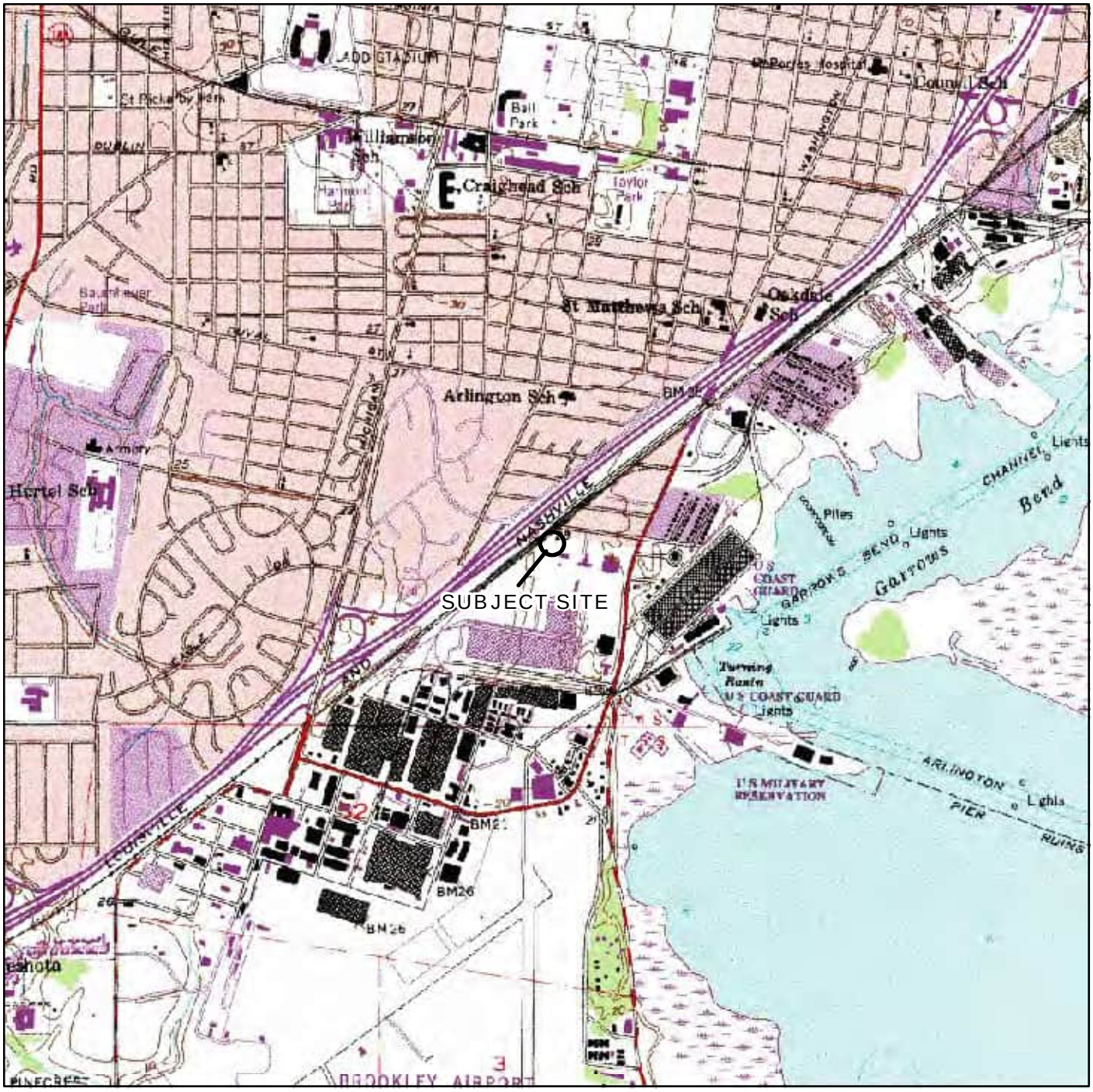
Alabama Risk-Based Corrective Action Guidance Manual, Alabama Department of Environmental Management, April 2008-Revision 2.

Howard, Phillip H., Handbook of Environmental Degradation Rates, 1991

OMS-28 GW Monitoring Report, Aerostar Environmental Services, Inc, December 2010.

TCE Comprehensive Investigation Report at Organization Maintenance Shop 28, Aerostar Environmental Services, Inc, April 2007.

FIGURES



1:24,000

2,000 0 2,000 4,000 6,000 Feet

0 0.5 1 1.5 2 Miles

CONTOUR INTERVAL 10 FEET

N

(NOTE: EXTRACTED FROM MOBILE, ALABAMA QUADRANGLE, 7.5 MINUTE SERIES.)

OMS-28 SITE
FORMER BROOKLEY FIELD
MOBILE, MOBILE COUNTY,
ALABAMA

thompson ENGINEERING

FIGURE 1
SITE VICINITY MAP

PROJECT NO.: 10-2116-0112

DATE: JANUARY 2011

P:\2010\2116\10-2116-0112\DRAWINGS\FIG1.mxd

1:6,000

500 0 500 1,000 1,500 Feet

0 0.1 0.2 0.3 0.4 Miles

N

(NOTE: EXTRACTED FROM MOBILE COUNTY, ALABAMA NAIP AERIAL PHOTOGRAPHS, 2009.)

OMS-28 SITE
FORMER BROOKLEY FIELD
MOBILE, MOBILE COUNTY,
ALABAMA

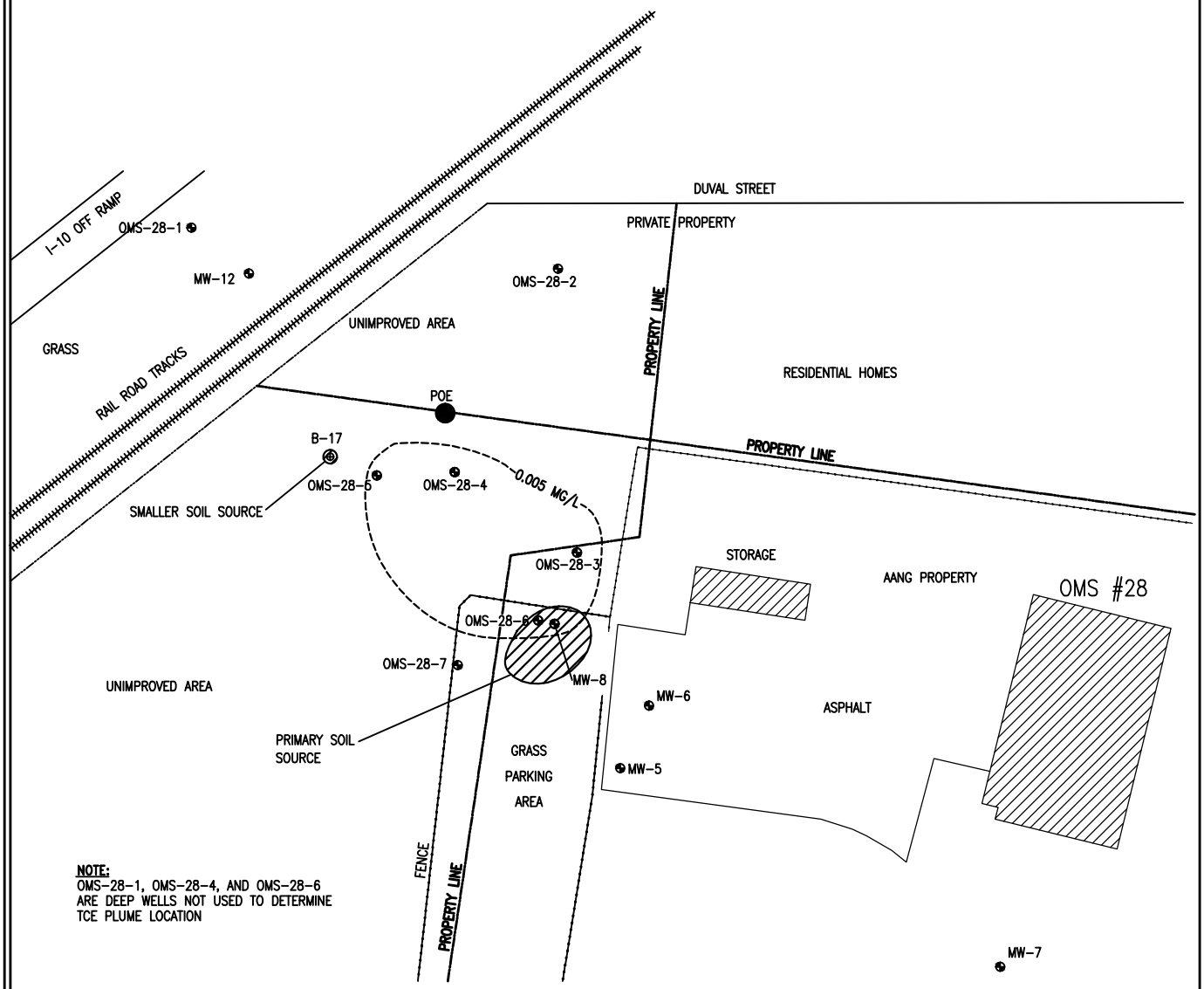
thompson ENGINEERING

FIGURE 2
SITE MAP

PROJECT NO.: 10-2116-0112

DATE: JANUARY 2011

P:\2010\2116\10-2116-0112\DRAWINGS\FIG2.mxd



NOTE:
The information depicted is intended to provide visual aid within the context of this report and should not be used as a sole reference in precise dimensioning of features indicated.

OMS-28 SITE
FORMER BROOKLEY FIELD
MOBILE, MOBILE COUNTY, ALABAMA

thompson
ENGINEERING

FIGURE 3
SITE SOURCE AND
RESOURCE PROTECTION MAP

PROJECT NO: 10-2116-0112

DATE: JANUARY 2011

FIGURE 4

SITE CONCEPTUAL EXPOSURE MODEL

EXPOSURE MODEL

SITE:

Source and Exposure Pathways	Resident *	Commercial Worker	Trespasser	Construction Worker **
Air				
Indoor Air	☐	☐	☐	N/A
Outdoor Air	☐	☐	☐	☐
Surficial Soil (0 to 1 ft.)				
Dermal Contact	☑	☑	☑	☑
Ingestion	☑	☑	☑	☑
Outdoor Inhalation of Vapor Emissions	☐	☐	☐	☐
Outdoor Inhalation of Particulates	☑	☑	☑	☑
or				
Combined Pathway: Outdoor Inhalation of vapor emissions and particulates, Ingestion, and Dermal Contact	☐	☐	☐	☐
Subsurface Soil (> 1 ft. to watertable)				
Indoor Inhalation of Vapor Emissions	☐	☐	☐	N/A
Outdoor Inhalation of Vapor Emission	☐	☐	☐	N/A
Soil Vapor				
Indoor Inhalation of Vapor Emissions	☐	☐	☐	N/A
Outdoor Inhalation of Vapor Emissions	☐	☐	☐	☐
Groundwater (First Encountered Zone)				
Indoor Inhalation of Vapor Emissions	☐	☐	☐	N/A
Outdoor Inhalation of Vapor Emissions	☐	☐	☐	☐
Ingestion	☑	N/A	N/A	N/A

Other Exposure Pathways

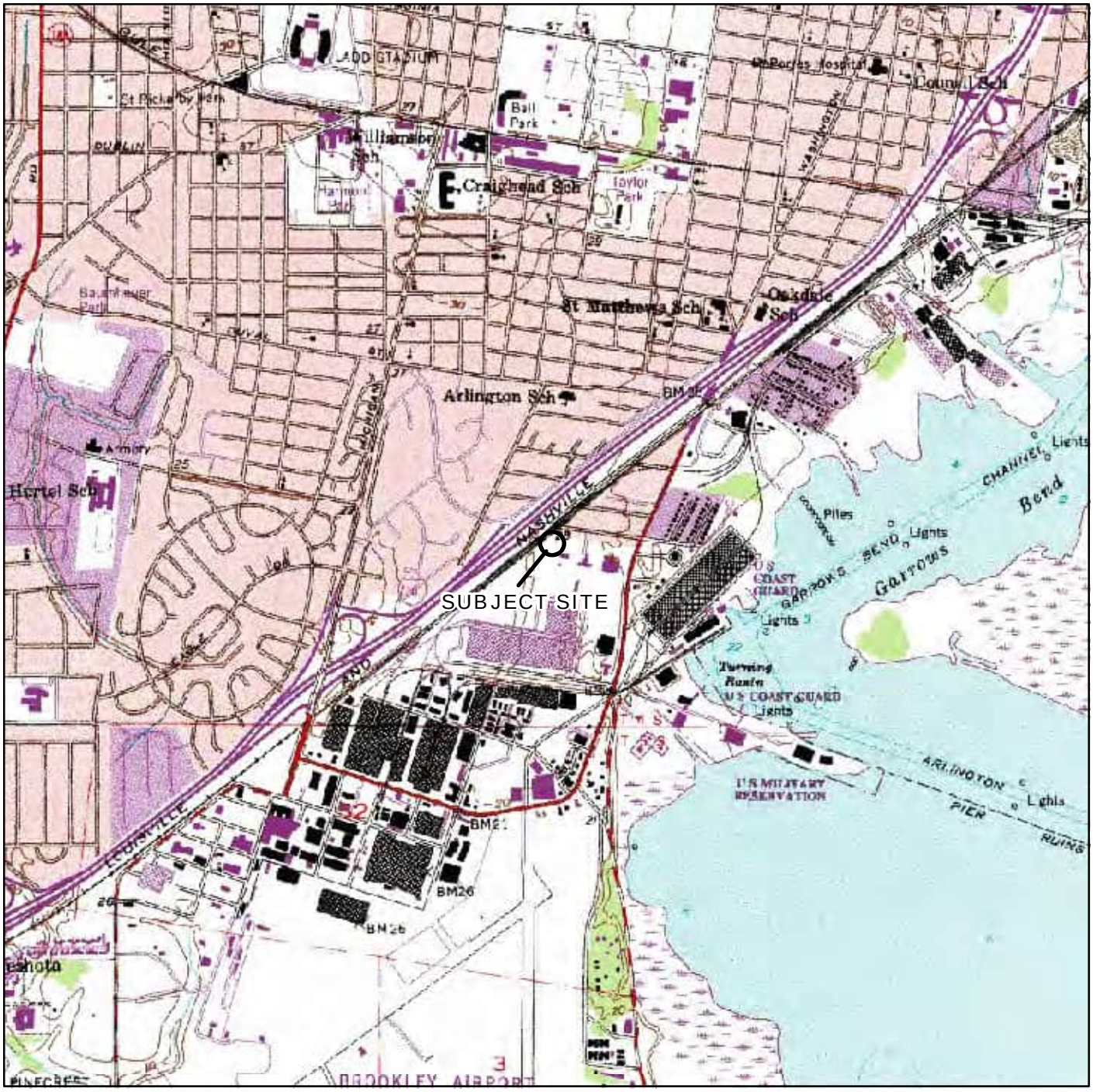
Protection of Groundwater Use	☑
Protection of Surface Water	☐
Soil & Groundwater Protective of Indoor Inhalation	
Resident	☐
Commercial Worker	☐
Trespasser	☐

* Includes calculations for child, and adult.

** For construction worker, thickness of surficial soil is from ground surface to depth of construction.

N/A Not Applicable

For exclusive use by Melissa Montgomery of Thompson Engineering, Inc.



1:24,000

2,000 0 2,000 4,000 6,000 Feet

0 0.5 1 1.5 2 Miles

CONTOUR INTERVAL 10 FEET

N

(NOTE: EXTRACTED FROM MOBILE, ALABAMA QUADRANGLE, 7.5 MINUTE SERIES.)

OMS-28 SITE
FORMER BROOKLEY FIELD
MOBILE, MOBILE COUNTY,
ALABAMA

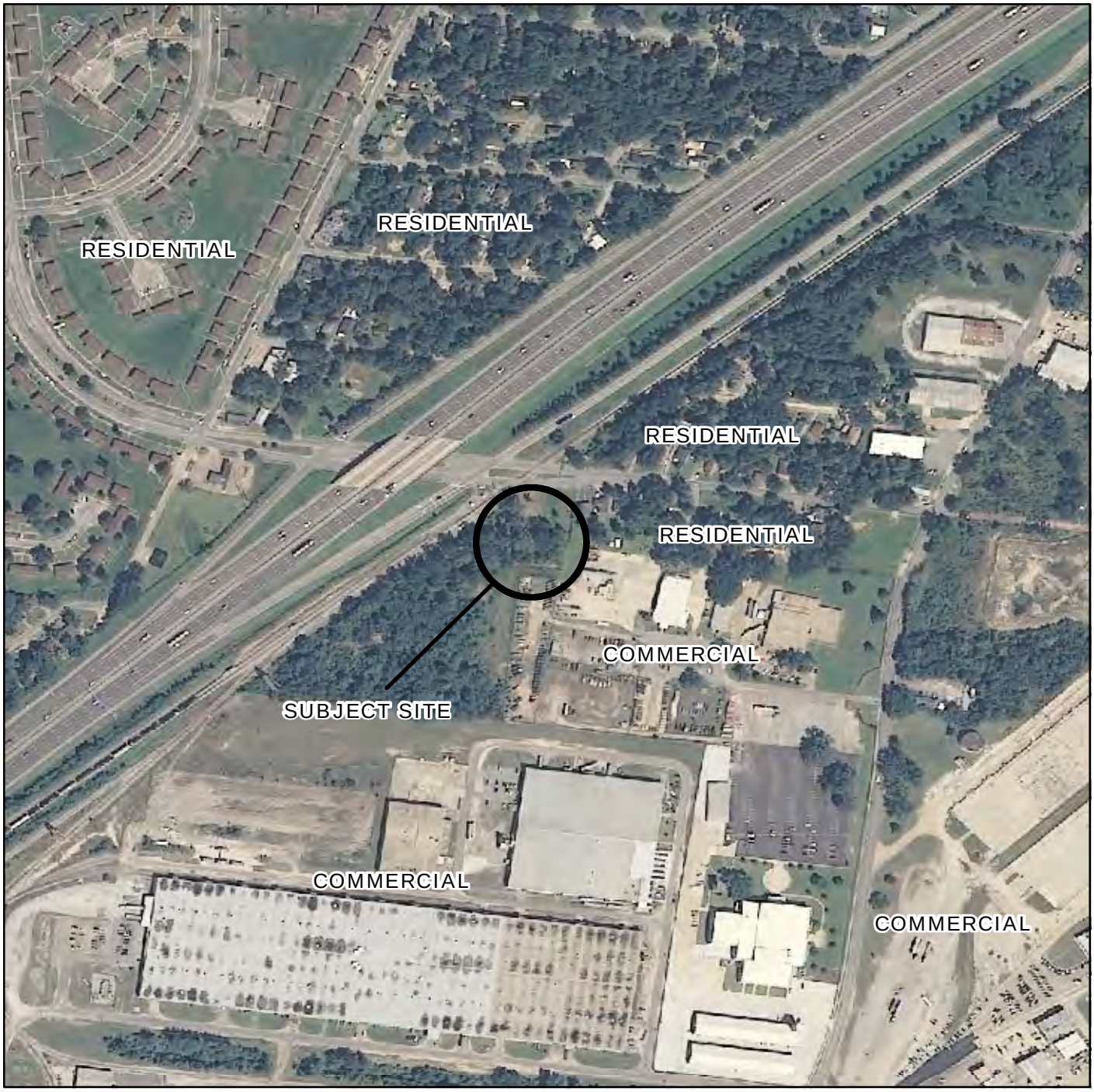
thompson ENGINEERING

FIGURE 5
TOPOGRAPHIC MAP

PROJECT NO.: 10-2116-0112

DATE: JANUARY 2011

P:\2010\2116\10-2116-0112\DRAWINGS\FIG5.mxd



1:6,000

500 0 500 1,000 1,500 Feet

0 0.1 0.2 0.3 0.4 Miles

N

(NOTE: EXTRACTED FROM MOBILE COUNTY, ALABAMA NAIP AERIAL PHOTOGRAPHS, 2009.)

OMS-28 SITE
FORMER BROOKLEY FIELD
MOBILE, MOBILE COUNTY,
ALABAMA

thompson ENGINEERING

FIGURE 6
LAND USE MAP

PROJECT NO.: 10-2116-0112

DATE: JANUARY 2011

P:\2010\2116\10-2116-0112\DRAWINGS\FIG6_011011.mxd

FIGURE 7

SOIL BORING LOGS AND
MONITORING WELL CONSTRUCTION DIAGRAMS

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

AEROSTAR ENVIRONMENTAL SERVICES, INC.

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 End Date: 6/6/08	Borehole Start Time: 0730 ☑ AM ☐ PM End Time: 1400 ☐ AM ☑ 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 ☑ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☑ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other
(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☑ Grout ☑ Bentonite ☐ Backfill ☐ 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

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

AEROSTAR ENVIRONMENTAL SERVICES, INC.

SOIL BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:	6/6/08
OMS-28-1	N/A	OMS-28	End Date:	6/6/08

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	13 — 14	Red-brown clayey sand	Grout	Riser	
SC				0	--	0	15 — 16	Light gray clayey sand			
SC				0	--	0	17 — 18	Light gray clayey sand			
SC				0	--	0	19 — 20	Light gray clayey sand			
SC				0	--	0	21 — 22	Light gray clayey sand			
SC				0	--	0	23 — 24	Light gray clayey sand			
SC				0	--	0	25 — 26	Light gray clayey sand			
SC				0	--	0	27 — 28	Light gray clayey sand			
SC				0	--	0	29 — 30	Light 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

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

AEROSTAR ENVIRONMENTAL SERVICES, INC.

SOIL BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:	6/6/08
OMS-28-1	N/A	OMS-28	End Date:	6/6/08

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	31 32	Red-brown clayey sand	Grout	Riser	
SC				0	--	0	33 34	Light gray clayey sand			
SC				0	--	0	35 36	Light gray clayey sand			
SC				0	--	0	37 38	Light gray clayey sand			
SC				0	--	0	39 40	Light gray clayey sand			
SC				0	--	0	41 42	Light gray clayey sand			
SC				0	--	0	43 44	Light gray clayey sand			
SC				0	--	0	45 46	Light gray clayey sand			
SC				0	--	0	47 48	Light 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

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

AEROSTAR ENVIRONMENTAL SERVICES, INC.

SOIL BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:	6/6/08
OMS-28-1	N/A	OMS-28	End Date:	6/6/08

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 Grouudwater Samples (list sample number and depth or temporary screen interval)
SC				0	--	0	49 50	Red-brown clayey sand	Grout	Riser	
SC				0	--	0	51 52	Light gray clayey sand			
SC				0	--	0	53 54	Light gray clayey sand			
SC				0	--	0	55 56	Light gray clayey sand			
SC				0	--	0	57 58	Light gray clayey sand			
SC				0	--	0	59 60	Light gray clayey sand			
SC				0	--	0	61 62	Light gray clayey sand			
SC				0	--	0	63 64	Light gray clayey sand	Bentonite		
SC				0	--	0	65 66	Light 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

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

AEROSTAR ENVIRONMENTAL SERVICES, INC.

SOIL BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:	6/6/08
OMS-28-1	N/A	OMS-28	End Date:	6/6/08

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	67 68	Red-brown clayey sand	Sand	Riser	
SC				0	--	0	69 70	Light gray clayey sand			
SC				0	--	0	71 72	Light gray clayey sand		Screen	
SC				0	--	0	73 74	Light gray clayey sand			Sample taken from the 70-75 foot interval at 11:30
SC				0	--	0	75 76	No recovery			
SC				0	--	0	77 78	No recovery			
SC				0	--	0	79 80	No recovery			
SC								End of Boring			
SC											

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

AEROSTAR ENVIRONMENTAL SERVICES, INC.

SOIL BORING LOG

Boring/Well Number:	Permit Number:	FDEP Facility Identification Number:
OMS-28-2	N/A	N/A

Site Name:	Borehole Start Date: 3/27/08	Borehole Start Time: 0830 ☑ AM ☐ PM
OMS-28	End Date: 3/27/08	End Time: 0845 ☑ AM ☐ PM

Environmental Contractor:	Geologist's Name:	Environmental Technician's Name:
AEROSTAR	W.P. Davis	

Drilling Company:	Pavement Thickness (inches):	Borehole Diameter (inches):	Borehole Depth (feet):
WDC	N/A	4"	20

Drilling Method(s):	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type):
SC	15'		Photovac MicroFID ☑ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☑ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other
(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☑ Grout ☑ Bentonite ☐ Backfill ☐ 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

AEROSTAR ENVIRONMENTAL SERVICES, INC.

SOIL BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:	3/26/08
OMS-28-2	N/A	OMS-28	End Date:	3/26/08

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	13 — 14	Light brown clay. Very moist	Sand	Screen	
SC				0	--	0	15 — 16	Light gray clayey sand			
SC				0	--	0	17 — 18	Light gray clayey sand			Sample taken from the 15-20 foot interval at 08:55-- Split Sample also taken
SC				0	--	0	19 — 20	Light gray clayey sand			
SC							21 — 22	End of Boring			
SC							23 — 24				
SC							25 — 26				
SC							27 — 28				
SC							29 — 30				

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

AEROSTAR ENVIRONMENTAL SERVICES, INC.

SOIL BORING LOG

Boring/Well Number:	Permit Number:	FDEP Facility Identification Number:
OMS-28-3	N/A	N/A

Site Name:	Borehole Start Date: 3/26/08	Borehole Start Time: 1315 ☐ AM ☑ PM
OMS-28	End Date: 3/26/08	End Time: 1345 ☐ AM ☑ PM

Environmental Contractor:	Geologist's Name:	Environmental Technician's Name:
AEROSTAR	W.P. Davis	

Drilling Company:	Pavement Thickness (inches):	Borehole Diameter (inches):	Borehole Depth (feet):
WDC	N/A	4"	20

Drilling Method(s):	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type):
SC	12'		Photovac MicroFID ☑ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☑ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other
(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☑ Grout ☑ Bentonite ☐ Backfill ☐ 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		
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		
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

AEROSTAR ENVIRONMENTAL SERVICES, INC.

SOIL BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:	3/26/08
OMS-28-3	N/A	OMS-28	End Date:	3/26/08

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	13 – 14	Mottled gray and orange clayey sand. Wet	Sand	Screen	Sample taken from the 10-15 foot interval at 13:30
SC				0	--	0	15 – 16	Light gray, medium-grained clayey sand. Wet.			
SC				0	--	0	17 – 18	Light gray, medium-grained clayey sand. Wet.			
SC				0	--	0	19 – 20	Light gray, medium-grained clayey sand. Wet.			
SC							21 – 22	End of Boring			
SC							23 – 24				
SC							25 – 26				
SC							27 – 28				
SC							29 – 30				

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

AEROSTAR ENVIRONMENTAL SERVICES, INC.

SOIL BORING LOG

Boring/Well Number:	Permit Number:	FDEP Facility Identification Number:
OMS-28-4	N/A	N/A

Site Name:	Borehole Start Date: 3/27/08	Borehole Start Time: 1300 ☐ AM ☑ PM
OMS-28	End Date: 3/27/08	End Time: 1440 ☐ AM ☑ PM

Environmental Contractor:	Geologist's Name:	Environmental Technician's Name:
AEROSTAR	W.P. Davis	

Drilling Company:	Pavement Thickness (inches):	Borehole Diameter (inches):	Borehole Depth (feet):
WDC	N/A	4"	75'

Drilling Method(s):	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type):
SC	12'		Photovac MicroFID ☑ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☑ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other
(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☑ Grout ☑ Bentonite ☐ Backfill ☐ 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

AEROSTAR ENVIRONMENTAL SERVICES, INC.

SOIL BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:	3/27/08
OMS-28-4	N/A	OMS-28	End Date:	3/27/08

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 Grouudwater Samples (list sample nnmber and depth or temporary screen interval)
SC				2.9	0.0	2.9	13 — 14	Gray clayey sand.	Grout	Riser	Sample taken from the 10-15 foot interval at 13:40
SC				6.2	0.0	6.2	15 — 16	Tan clayey sand			
SC				6.2	0.0	6.2	17 — 18	Tan clayey sand			
SC				6.2	0.0	6.2	19 — 20	Tan clayey sand			
SC				17.1	1.8	15.3	21 — 22	Tan clayey sand			
SC				17.1	1.8	15.3	23 — 24	Tan clayey sand			
SC				17.1	1.8	15.3	25 — 26	Tan clayey sand			
SC				5.9	0.6	5.3	27 — 28	Dark gray silty clay			
SC				5.9	0.6	5.3	29 — 30	Dark 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

AEROSTAR ENVIRONMENTAL SERVICES, INC.

SOIL BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:	3/27/08
OMS-28-4	N/A	OMS-28	End Date:	3/27/08

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				29.9	2.8	27.1	31 32	Stiff dark gray clay.	Grout	Riser	
SC				29.9	2.8	27.1	33 34	Stiff dark gray clay.			
SC				5.0	1.0	4.0	35 36	Light gray very stiff clay			
SC				5.0	1.0	4.0	37 38	Light gray very stiff clay			
SC				5.0	1.0	4.0	39 40	Light gray very stiff clay			
SC				9.8	1.0	8.8	41 42	Light gray very stiff clay			
SC				9.8	1.0	8.8	43 44	Light gray very stiff clay			
SC				18.1	1.5	16.6	45 46	Light gray very stiff clay			
SC				18.1	1.5	16.6	47 48	Light gray very stiff 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

AEROSTAR ENVIRONMENTAL SERVICES, INC.

SOIL BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:	3/27/08
OMS-28-4	N/A	OMS-28	End Date:	3/27/08

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				18.1	1.5	16.6	49 – 50	Light gray very stiff clay	Grout	Riser	
SC				38.7	1.5	37.2	51 – 52	Light gray very stiff clay			
SC				38.7	1.5	37.2	53 – 54	Light gray very stiff clay			
SC				51.0	3.0	48.0	55 – 56	Light gray very stiff clay			
SC				51.0	3.0	48.0	57 – 58	Light gray very stiff clay			
SC				51.0	3.0	48.0	59 – 60	Light gray very stiff clay			
SC				40.0	2.5	37.5	61 – 62	Light gray very stiff clay	Bentonite		
SC				40.0	2.5	37.5	63 – 64	Light gray very stiff clay			
SC				100.0	3.4	96.6	65 – 66	Light gray very stiff clay	Sand		

AEROSTAR ENVIRONMENTAL SERVICES, INC.

SOIL BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:	3/27/08
OMS-28-4	N/A	OMS-28	End Date:	3/27/08

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				100.0	3.4	96.6	67 — 68	Light gray very stiff clay	Sand	Screen	
SC				100.0	3.4	96.6	69 — 70	Light gray very stiff clay			
SC				380.0	5.1	374.9	71 — 72	Pale gray coarse-grained sand			
SC				380.0	5.1	374.9	73 — 74	Pale gray coarse-grained sand			Sample taken at the 70-75 foot interval at 14:30
SC				380.0	5.1	374.9	75 — 76	Pale gray coarse-grained sand			
SC							77 — 78	End of Boring			
SC							79 — 80				
SC							81 — 82				
SC							83 — 84				

AEROSTAR ENVIRONMENTAL SERVICES, INC.

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 End Date: 3/27/08	Borehole Start Time: 1025 ☑ AM ☐ PM End Time: 1100 ☑ AM ☐ 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 ☑ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☑ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other
(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☑ Grout ☑ Bentonite ☐ Backfill ☐ 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			Sample taken from the 0-5 foot interval at 10:45--Dup #2 also taken
SC				0	--	0	5–6	Stiff red-brown clay	Bentonite		
SC				0	--	0	7–8	Stiff red-brown clay			Sample taken from the 5-10 foot interval at 10:50
SC				0	--	0	9–10	Stiff red-brown clay	Sand		
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

AEROSTAR ENVIRONMENTAL SERVICES, INC.

SOIL BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:	3/26/08
OMS-28-5	N/A	OMS-28	End Date:	3/26/08

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	13 — 14	Stiff red-brown clay	Sand	Screen	
SC				0	--	0	15 — 16	Light gray clayey sand			
SC				0	--	0	17 — 18	Light gray clayey sand			Sample taken from the 15-20 foot interval at 11:00
SC				0	--	0	19 — 20	Light gray clayey sand			
SC							21 — 22	End of Boring			
SC							23 — 24				
SC							25 — 26				
SC							27 — 28				
SC							29 — 30				

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

AEROSTAR ENVIRONMENTAL SERVICES, INC.

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 ☐ AM ☑ PM	
	End Date: 3/28/08	End Time: 1440 ☐ AM ☑ 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 ☑ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☑ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other
(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☑ Grout ☑ Bentonite ☐ Backfill ☐ 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

AEROSTAR ENVIRONMENTAL SERVICES, INC.

SOIL BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:	3/28/08
OMS-28-6	N/A	OMS-28	End Date:	3/28/08

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (inclnde 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				23.0	2.0	21.0	13 — 14	Medium gray silty clay	Grout	Riser	Sample taken from the 10-15 foot interval at 11:15
SC				3.2	0.0	3.2	15 — 16	Dark gray sandy clay			
SC				3.2	0.0	3.2	17 — 18	Dark gray sandy clay			
SC				3.2	0.0	3.2	19 — 20	Dark gray sandy clay			
SC				8.0	0.0	8.0	21 — 22	Dark gray sandy clay			
SC				8.0	0.0	8.0	23 — 24	Dark gray sandy clay			
SC				8.0	0.0	8.0	25 — 26	Dark gray sandy clay			
SC				9.3	0.0	9.3	27 — 28	Dark gray sandy clay			
SC				9.3	0.0	9.3	29 — 30	Dark gray sandy 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

AEROSTAR ENVIRONMENTAL SERVICES, INC.

SOIL BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:	3/28/08
OMS-28-6	N/A	OMS-28	End Date:	3/28/08

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				9.3	0.0	9.3	31 — 32	Dark gray sandy clay	Grout	Riser	
SC				10.0	0.0	10.0	33 — 34	Dark gray sandy clay			
SC				10.0	0.0	10.0	35 — 36	Dark gray sandy clay			
SC				42.0	2.0	40.0	37 — 38	Very stiff, dense, light gray clay			
SC				42.0	2.0	40.0	39 — 40	Very stiff, dense, light gray clay			
SC				42.0	2.0	40.0	41 — 42	Very stiff, dense, light gray clay			
SC				63.0	1.3	61.7	43 — 44	Very stiff, dense, light gray clay			
SC				63.0	1.3	61.7	45 — 46	Very stiff, dense, light gray clay			
SC				67.0	2.1	64.9	47 — 48	Very stiff, dense, light gray 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

AEROSTAR ENVIRONMENTAL SERVICES, INC.

SOIL BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:	3/28/08
OMS-28-6	N/A	OMS-28	End Date:	3/28/08

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				67.0	2.1	64.9	49 50	Very stiff, dense, light gray clay	Grout	Riser	
SC				116.0	5.0	111.0	51 52	Very stiff, dense, light gray clay			
SC				116.0	5.0	111.0	53 54	Very stiff, dense, light gray clay			
SC				116.0	5.0	111.0	55 56	Very stiff, dense, light gray clay			
SC				57.0	3.0	54.0	57 58	Very stiff, dense, light gray clay			
SC				57.0	3.0	54.0	59 60	Very stiff, dense, light gray clay			
SC				67.0	2.5	64.5	61 62	Very stiff, dense, light gray clay	Bentonite		
SC				61.0	2.5	58.5	63 64	Very stiff, dense, light gray clay			
SC				61.0	2.5	58.5	65 66	Very stiff, dense, light gray clay	Sand		

AEROSTAR ENVIRONMENTAL SERVICES, INC.

SOIL BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:	3/28/08
OMS-28-6	N/A	OMS-28	End Date:	3/28/08

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				81.0	3.1	77.9	67 — 68	Very stiff, dense, light gray clay	Sand	Screen	
SC				81.0	3.1	77.9	69 — 70	Very stiff, dense, light gray clay			
SC				890.0	6.3	883.7	71 — 72	Pale gray coarse-grained sand			
SC				890.0	6.3	883.7	73 — 74	Pale gray coarse-grained sand			Sample taken at the 70-75 foot interval at 12:40
SC				890.0	6.3	883.7	75 — 76	Pale gray coarse-grained sand			
SC							77 — 78	End of Boring			
SC							79 — 80				
SC							81 — 82				
SC							83 — 84				

AEROSTAR ENVIRONMENTAL SERVICES, INC.

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 ☐ AM ☑ PM	
	End Date: 3/26/08	End Time: 1605 ☐ AM ☑ 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 ☑ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☑ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other
(describe if other or multiple items are checked):

Borehole Completion (check one): ☑ Well ☑ Grout ☑ Bentonite ☐ Backfill ☐ 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

AEROSTAR ENVIRONMENTAL SERVICES, INC.

SOIL BORING LOG

Boring/Well Number:	FDEP Facility Identification Number:	Site Name:	Borehole Start Date:	3/26/08
OMS-28-7	N/A	OMS-28	End Date:	3/26/08

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	13 – 14	Stiff, light brown silty clay	Sand	Screen	
SC				0	--	0	15 – 16	Light gray coarse-grained sand			
SC				0	--	0	17 – 18	Light gray coarse-grained sand			Sample taken from the 15-20 foot interval at 16:00
SC				0	--	0	19 – 20	Light gray coarse-grained sand			
SC							21 – 22	End of Boring			
SC							23 – 24				
SC							25 – 26				
SC							27 – 28				
SC							29 – 30				

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

BORING LOG

Boring/Well Number: B-1/ TW-6			
Site Name: OMS 28 Mobile, Alabama	4/18/2006 4/18/2006	Borehole Start Time: 9:40 ☐ AM ☐ PM End Time: 10:05 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Keith Dasinger	
Drilling Company: Not Applicable	Borehole Diameter (inches): 4"	Borehole Depth (feet): 20'	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 12	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check metho ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	0	1 2	Moist, brown, medium grained, slightly clayey sand Same as above	SM	10	0
	2-4	24	NA	0	3 4	Dry, red and tan, stiff, clay Same as above	SM	25	0
	4-6	24	NA	10	5 6	Same as above Same as above	SM	25	0
	6-8	24	NA	0	7 8	Same as above Same as above	SM	75	0
	8-10	24	NA	0	9 10	Same as above Moist, oraange. stif, clay	SM	100	0
	10-12	24	NA	0	11 12	Wet, gray, medium grained, sand Saturated, tan, medium grained, sand	SM	100	0
	12-14	0	NA	X	13 14	Same as above; No sample recovered Same as above; No sample recovered	SM	100	0
	14-16	24	NA	X	15 16	Saturated, tan, medium grained, sand Same as above	SM	100	0
	16-18	24	NA	0	17 18	Same as above Saturated, gray, clay	SM	100	0
	18-20	24	NA	0	19 20	Saturated, orange, medium-coarse grained, sand Same as above	SM	100	B-1/TW-6

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill

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

BORING LOG

Boring/Well Number: B-2/ TW-7			
Site Name: OMS 28 Mobile, Alabama	4/18/2006 4/18/2006	Borehole Start Time: 10:10 ☐ AM ☐ PM End Time: 10:50 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Keith Dasinger	
Drilling Company: Not Applicable	Borehole Diameter (inches): 4"	Borehole Depth (feet): 20'	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 12	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check metho: ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	0	1 2	Moist, brown, medium grained, sand Same as above	SM	10	0
	2-4	24	NA	5	3 4	Moist, red and tan, stiff, clay Same as above	SM	25	0
	4-6	24	NA	10	5 6	Moist, brown, clay Same as above	SM	25	0
	6-8	24	NA	0	7 8	Same as above Same as above	SM	75	0
	8-10	24	NA	0	9 10	Same as above Same as above	SM	75	0
	10-12	24	NA	0	11 12	Wet, Same as above Saturated, gray, medium grained, sand	SM	60	0
	12-14	24	NA	X	13 14	Same as above Moist, gray, clay	SM	100	0
	14-16	24	NA	X	15 16	Saturated, gray, medium-coarse grained, sand Saturated, gray, sandy clay	SM	100	0
	16-18	24	NA	0	17 18	Same as above Same as above	SM	100	0
	18-20	24	NA	0	19 20	Same as above Same as above	SM	100	B-2/TW-7

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill

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

BORING LOG

Boring/Well Number: B-3/ TW-8			
Site Name: OMS 28 Mobile, Alabama	4/18/2006 4/18/2006	Borehole Start Time: 11:00 ☐ AM ☐ PM End Time: 11:40 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Keith Dasinger	
Drilling Company: Not Applicable	Borehole Diameter (inches): 4"	Borehole Depth (feet): 20'	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 12	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check method] ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	5	1 2	Moist, black, medium grained, sand Same as above	SM	10	0
	2-4	24	NA	0	3 4	Moist, orange, stiff, clay Same as above	SM	25	0
	4-6	24	NA	0	5 6	Moist, brown, clay Same as above	SM	25	0
	6-8	24	NA	0	7 8	Same as above Same as above	SM	75	0
	8-10	24	NA	0	9 10	Same as above Same as above	SM	75	0
	10-12	24	NA	0	11 12	Wet, Same as above Saturated, gray, medium grained, sand	SM	80	0
	12-14	24	NA	0	13 14	Same as above Same as above	SM	100	0
	14-16	24	NA	0	15 16	Same as above Saturated, gray, sandy clay	SM	100	0
	16-18	24	NA	0	17 18	Same as above Same as above	SM	100	0
	18-20	24	NA	0	19 20	Same as above Same as above	SM	100	B-3/TW-8

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill

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

BORING LOG

Boring/Well Number: B-4/ TW-9			
Site Name: OMS 28 Mobile, Alabama	4/18/2006 4/18/2006	Borehole Start Time: 11:45 ☐ AM ☐ PM End Time: 12:25 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien		Geologist's Name: Keith Dasinger
Drilling Company: Not Applicable		Borehole Diameter (inches): 4"	Borehole Depth (feet): 20'
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 12	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check method: ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	0	1 2	Dry, brown, medium grained, slightly clayey sand Same as above	SM	10	0
	2-4	24	NA	55	3 4	Moist, orange, stiff, clay Same as above	SM	25	0
	4-6	24	NA	50	5 6	Same as above Same as above	SM	25	0
	6-8	24	NA	45	7 8	Same as above Same as above	SM	75	0
	8-10	24	NA	45	9 10	Same as above Same as above	SM	75	0
	10-12	24	NA	45	11 12	Saturated, gray, medium grained, sand Same as above	SM	80	0
	12-14	24	NA	50	13 14	Same as above Same as above	SM	100	0
	14-16	24	NA	40	15 16	Same as above Same as above	SM	100	0
	16-18	24	NA	0	17 18	Same as above Same as above	SM	100	0
	18-20	24	NA	0	19 20	Same as above Same as above	SM	100	B-4/TW-9

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill

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

BORING LOG

Boring/Well Number: B-5/ TW-10			
Site Name: OMS 28 Mobile, Alabama	4/18/2006 4/18/2006	Borehole Start Time: 13:55 ☐ AM ☐ PM End Time: 14:30 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Keith Dasinger	
Drilling Company: Not Applicable	Borehole Diameter (inches): 4"	Borehole Depth (feet): 20'	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 12	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check method]: ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	65	1 2	Moist, dark brown, medium grained, slightly clayey sand Same as above	SM	10	0
	2-4	24	NA	65	3 4	Moist, orange, medium grained sandy clay Same as above	SM	25	0
	4-6	24	NA	45	5 6	Same as above Same as above	SM	25	0
	6-8	24	NA	X	7 8	Same as above Moist, tan-gray, sandy clay	SM	75	0
	8-10	24	NA	85	9 10	Moist, light gray, sandy clay Same as above	SM	75	0
	10-12	24	NA	X	11 12	Saturated, orange, medium grained, sand Same as above	SM	80	0
	12-14	24	NA	100	13 14	Saturated, dark gray, clay Same as above	SM	100	0
	14-16	24	NA	85	15 16	Same as above Same as above	SM	100	0
	16-18	24	NA	50	17 18	Same as above Same as above	SM	100	0
	18-20	24	NA	0	19 20	Same as above Same as above	SM	100	B-5/TW-10

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill

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

BORING LOG

Boring/Well Number: B-6/ TW-11			
Site Name: OMS 28 Mobile, Alabama	4/18/2006 4/18/2006	Borehole Start Time: 14:30 AM PM End Time: 14:45 AM PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Keith Dasinger	
Drilling Company: Not Applicable	Borehole Diameter (inches): 4"	Borehole Depth (feet): 20'	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 12	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): FID PID
Disposition of Drill Cuttings [check metho: Drum Spread Backfill Stockpile Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): Grout Bentonite Backfill Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	20	1 2	Dry, dark brown, medium grained, sand Dry, tan, sandy clay	SM	10	0
	2-4	24	NA	0	3 4	Dry, tan, sandy clay Same as above	SM	25	0
	4-6	24	NA	0	5 6	Same as above Same as above	SM	25	0
	6-8	24	NA	0	7 8	Same as above Moist, brown, sandy clay	SM	75	0
	8-10	24	NA	0	9 10	Same as above Same as above	SM	75	0
	10-12	24	NA	0	11 12	Saturated, orange, medium grained, sand Same as above	SM	80	0
	12-14	24	NA	0	13 14	Same as above Wet, gray, medium grained, sand	SM	100	0
	14-16	24	NA	0	15 16	Same as above Same as above	SM	100	0
	16-18	24	NA	0	17 18	Same as above Same as above	SM	100	0
	18-20	24	NA	0	19 20	Same as above Same as above	SM	100	B-6/TW-11

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cut

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

BORING LOG

Boring/Well Number: B-7/ TW-12			
Site Name: OMS 28 Mobile, Alabama	4/18/2006 4/18/2006	Borehole Start Time: 16:25 ☐ AM ☐ PM End Time: 16:50 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien		Geologist's Name: Keith Dasinger
Drilling Company: Not Applicable		Borehole Diameter (inches): 4"	Borehole Depth (feet): 20'
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 12	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID

Disposition of Drill Cuttings (check method): ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other
(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	25	1 2	Dry, dark brown, medium grained, sand Same as above	SM	10	0
	2-4	24	NA	25	3 4	Dry, tan, sandy clay Same as above	SM	10	0
	4-6	24	NA	15	5 6	Dry, orange, sandy clay Same as above	SM	10	0
	6-8	24	NA	15	7 8	Same as above Same as above	SM	10	0
	6-10	24	NA	85	9 10	Same as above Dry, tan, sandy clay	SM	10	0
	10-12	24	NA	85	11 12	Same as above Same as above	SM	15	0
	12-14	24	NA	45	13 14	Same as above Same as above	SM	20	0
	14-16	24	NA	45	15 16	Same as above Same as above	SM	20	0
	16-18	0	NA	X	17 18	Same as above; No sample recovered Same as above; No sample recovered	SM	40	0
	18-20	24	NA	X	19 20	Wet, gray, clay Wet, gray, clay	SM	50	B-7/TW-12

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

BORING LOG

Boring/Well Number: B-8/ TW-13			
Site Name: OMS 28 Mobile, Alabama	4/18/2006 4/18/2006	Borehole Start Time: 14:50 ☐ AM ☐ PM End Time: 15:20 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Keith Dasinger	
Drilling Company: Not Applicable	Borehole Diameter (inches): 4"	Borehole Depth (feet): 20'	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 18	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check metho☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	55	1 2	Dry, dark brown, medium grained, sand Same as above	SM	10	0
	2-4	24	NA	55	3 4	Dry, tan, sandy clay Same as above	SM	10	0
	4-6	24	NA	30	5 6	Same as above Same as above	SM	10	0
	6-8	24	NA	30	7 8	Same as above Moist, brown, sandy clay	SM	20	0
	8-10	24	NA	65	9 10	Same as above Same as above	SM	30	0
	10-12	24	NA	65	11 12	Moist, dark brown and gray, sandy clay Same as above	SM	30	0
	12-14	24	NA	55	13 14	Same as above Same as above	SM	40	0
	14-16	24	NA	55	15 16	Wet, tan, medium grained, clayey sand Wet, gray, sandy clay	SM	60	0
	16-18	24	NA	75	17 18	Same as above Same as above	SM	60	0
	18-20	24	NA	75	19 20	Wet, gray, clayey sand Same as above	SM	80	B-8/TW-13

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cut

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

BORING LOG

Boring/Well Number: B-9/ TW-14			
Site Name: OMS 28 Mobile, Alabama	5/11/2006 5/11/2006	Borehole Start Time: 10:00 AM PM End Time: 10:50 AM PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Curtis Mills	
Drilling Company: Not Applicable	Borehole Diameter (inches): 4"	Borehole Depth (feet): 20'	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 18	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): FID PID
Disposition of Drill Cuttings [check metho Drum Spread Backfill Stockpile Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): Grout Bentonite Backfill Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	Depth (feet)	Sample Description (include grain size based on USCS, colors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth)
	0-2	24	NA	10	1 2	Moist, dark brown, medium grained, sand Same as above	SM	10	0
	2-4	24	NA	0	3 4	Moist, dark brown, soft clay Same as above	SM	10	0
	4-6	24	NA	0	5 6	Same as above Moist, red and tan, stiff, clay	SM	10	0
	6-8	24	NA	0	7 8	Same as above Same as above	SM	20	0
	8-10	24	NA	0	9 10	Same as above Same as above	SM	30	0
	10-12	24	NA	0	11 12	Same as above Same as above	SM	30	0
	12-14	24	NA	0	13 14	Same as above Same as above	SM	40	0
	14-16	24	NA	0	15 16	Moist, gray, clay Moist, tan and red, clay	SM	60	0
	16-18	24	NA	0	17 18	Same as above Same as above	SM	60	0
	18-20	24	NA	0	19 20	Wet, gray, clay Same as above	SM	80	B-9/TW-14

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cut

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

BORING LOG

Boring/Well Number: B-10/ TW-15			
Site Name: OMS 28 Mobile, Alabama	5/11/2006 5/11/2006	Borehole Start Time: 11:20 ☐ AM ☐ PM End Time: 12:05 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Curtis Mills	
Drilling Company: Not Applicable	Borehole Diameter (inches): 4"	Borehole Depth (feet): 20'	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 18	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check method(☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	0	1 2	Moist, dark brown, medium grained, slightly clayey sand Same as above	SM	10	0
	2-4	24	NA	0	3 4	Moist, light brown, fine grained, soft sandy clay Same as above	SM	20	0
	4-6	24	NA	0	5 6	Moist, red and tan, stiff, clay Same as above	SM	40	0
	6-8	24	NA	0	7 8	Same as above Same as above	SM	40	0
	8-10	24	NA	0	9 10	Wet, light gray, sandy clay Wet, light gray, clayey sand	SM	70	0
	10-12	24	NA	0	11 12	Saturated, light gray, fine grained, sand Same as above	SM	100	0
	12-14	24	NA	0	13 14	Same as above Same as above	SM	100	0
	14-16	24	NA	0	15 16	Saturated, tan, coarse grained, sand Same as above	SM	100	0
	16-18	24	NA	0	17 18	Same as above Same as above	SM	100	0
	18-20	24	NA	0	19 20	Same as above Same as above	SM	100	B-10/TW-15

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cutt

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

BORING LOG

Boring/Well Number: B-11/ TW-16			
Site Name: OMS 28 Mobile, Alabama	5/11/2006	Borehole Start Time: 12:10 ☐ AM ☐ PM	
	5/11/2006	End Time: 13:20 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Curtis Mills	
Drilling Company: Not Applicable	Borehole Diameter (inches): 4"	Borehole Depth (feet): 16'	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 15	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check method(☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	0	1 2	Moist, brown, medium grained, slightly clayey sand Same as above	SM	10	0
	2-4	24	NA	0	3 4	Moist-wet, dark brown, soft clay Same as above	SM	20	0
	4-6	24	NA	0	5 6	Same as above Same as above	SM	40	0
	6-8	24	NA	0	7 8	Same as above Same as above	SM	40	0
	8-10	24	NA	0	9 10	Wet, light gray, clay Same as above	SM	70	0
	10-12	24	NA	0	11 12	Saturated, light gray, clay Same as above	SM	100	0
	12-14	24	NA	0	13 14	Same as above Same as above	SM	100	0
	14-16	24	NA	0	15 16	Same as above Same as above	SM	100	B-11/TW-16

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill C

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

BORING LOG

Boring/Well Number: B-12			
Site Name: OMS 28 Mobile, Alabama	5/11/2006 5/11/2006	Borehole Start Time: 11:00 ☐ AM ☐ PM End Time: 13:30 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Curtis Mills	
Drilling Company: Not Applicable	Borehole Diameter (inches): 4"	Borehole Depth (feet): 20	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture: 11	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	NA	NA	NA	1 — 2	The boring was advanced to 20 ft BGS. The flute liner was installed into the metal rods at 11:30. The metal rods were detached from the point and pulled out of the hole. The flute liner remained inside of the boring until 13:30. No change in color was noted on the flute liner.	NA	NA	NA
	2-4	NA	NA	NA	3 — 4		NA	NA	NA
	4-6	NA	NA	NA	5 — 6		NA	NA	NA
	6-8	NA	NA	NA	7 — 8		NA	NA	NA
	8-10	NA	NA	NA	9 — 10		NA	NA	NA
	10-12	NA	NA	NA	11 — 12		NA	NA	NA
	12-14	NA	NA	NA	13 — 14		NA	NA	NA
	14-16	NA	NA	NA	15 — 16		NA	NA	NA
	16-18	NA	NA	NA	17 — 18		NA	NA	NA
	18-20	NA	NA	NA	19 — 20		NA	NA	NA

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

BORING LOG

Boring/Well Number: B-13/MW-9			
Site Name: OMS 28 Mobile, Alabama	10/18/2006	Borehole Start Time: 10:30 ☐ AM ☐ PM	
	10/18/2006	End Time: 12:20 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Curtis Mills	
Drilling Company: Not Applicable	Borehole Diameter (inches): 4"	Borehole Depth (feet): 16	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 9	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check method(☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	11	1 2	1" grass; moist, brown, fine grained, clayey sand Same as above	SM	10	B-13 (0-12")
	2-4	24	NA	0	3 4	Moist, red and gray, clay Same as above	SM	20	0
	4-6	24	NA	6	5 6	Same as above Same as above	SM	40	0
	6-8	24	NA	1	7 8	Same as above Same as above	SM	40	0
	8-10	24	NA	0	9 10	Wet, brown, medium grained, sand Saturated, tan, medium grained, sand	SM	70	B-13 (8-10')
	10-12	24	NA	0	11 12	Same as above Saturated, tan and gray, clay	SM	100	0
	12-14	24	NA	0	13 14	Same as above Same as above	SM	100	0
	14-16	24	NA	0	15 16	Same as above Same as above	SM	100	0

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill C

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

BORING LOG

Boring/Well Number: B-14/MW-10			
Site Name: OMS 28 Mobile, Alabama	10/18/2006 10/18/2006	Borehole Start Time: 12:30 ☐ AM ☐ PM End Time: 13:00 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien		Geologist's Name: Curtis Mills
Drilling Company: Not Applicable	Borehole Diameter (inches): 4"		Borehole Depth (feet): 15
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 10	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check method(☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	0	1 2	Moist, dark gray, fine grained, sand Same as above	SM	10	B-14 (0-12")
	2-4	24	NA	0	3 4	Moist, red, stiff, clayey sand Same as above	SM	20	0
	4-6	24	NA	0	5 6	Moist, tan, fine grained, sand Same as above	SM	40	0
	6-8	24	NA	0	7 8	Moist, tan and red, stiff, clay Same as above	SM	40	0
	8-10	24	NA	0	9 10	Same as above Moist-wet, red and tan, clayey sand	SM	70	B-14 (8-10')
	10-12	24	NA	0	11 12	Same as above Same as above	SM	100	0
	12-14	24	NA	0	13 14	Same as above Same as above	SM	100	0
	14-16	24	NA	0	15 16	Same as above Same as above	SM	100	0

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill C

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

BORING LOG

Boring/Well Number: B-15/MW-11			
Site Name: OMS 28 Mobile, Alabama	10/18/2006 10/18/2006	Borehole Start Time: 14:20 ☐ AM ☐ PM End Time: 15:30 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Curtis Mills	
Drilling Company: Not Applicable	Borehole Diameter (inches): 4"	Borehole Depth (feet): 15	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 10	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check method(☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	0	1 2	Moist, brown, fine grained, sand Same as above	SM	10	B-15 (0-12")
	2-4	24	NA	0	3 4	Moist, tan, fine grained, sand Same as above	SM	20	0
	4-6	24	NA	0	5 6	Moist, red and tan, clay Same as above	SM	40	0
	6-8	24	NA	0	7 8	Same as above Same as above	SM	40	0
	8-10	24	NA	0	9 10	Same as above Moist-wet, brown, clayey sand	SM	70	B-15 (8-10')
	10-12	24	NA	0	11 12	Same as above Same as above	SM	100	0
	12-14	24	NA	0	13 14	Saturated, Same as above Same as above	SM	100	0
	14-16	24	NA	0	15 16	Same as above Same as above	SM	100	0

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill C

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

BORING LOG

Boring/Well Number: B-16/MW-12			
Site Name: OMS 28 Mobile, Alabama	10/18/2006 10/18/2006	Borehole Start Time: 15:30 ☐ AM ☐ PM End Time: 16:30 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Curtis Mills	
Drilling Company: Not Applicable	Borehole Diameter (inches): 4"	Borehole Depth (feet): 15	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 10	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check method(☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked)*:			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	0	1 2	1" grass; moist, brown, medium-fine grained, sand Same as above	SM	10	B-16 (0-12")
	2-4	24	NA	0	3 4	Moist, tan, fine grained, sand Same as above	SM	20	0
	4-6	24	NA	0	5 6	Same as above Same as above	SM	40	0
	6-8	24	NA	0	7 8	Moist, red, medium grained, sand Same as above	SM	40	0
	8-10	24	NA	0	9 10	Same as above Wet, red, medium grained, sand	SM	70	B-16 (8-10')
	10-12	24	NA	0	11 12	Saturated, Same as above Same as above	SM	100	0
	12-14	24	NA	0	13 14	Same as above Same as above	SM	100	0
	14-16	24	NA	0	15 16	Same as above Same as above	SM	100	0

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill C

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

BORING LOG

Boring/Well Number: B-17			
Site Name: OMS 28 Mobile, Alabama	3/19/2007 3/19/2007	Borehole Start Time: 10:00 ☐ AM ☐ PM End Time: 10:30 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Curtis Mills	
Drilling Company: Not Applicable	Borehole Diameter (inches): 4"	Borehole Depth (feet): 15	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture: 10	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID

Disposition of Drill Cuttings [check method(☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other
(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	0	1 2	1" grass; moist, brown, medium-fine grained, sand Same as above	SM	10	B-17 (0-12")
	2-4	24	NA	0	3 4	Moist, tan, fine grained, sand Same as above	SM	20	0
	4-6	24	NA	0	5 6	Same as above Same as above	SM	40	0
	6-8	24	NA	0	7 8	Moist, red, medium grained, sand Same as above	SM	40	0
	8-10	24	NA	0	9 10	Same as above Wet, red, medium grainad, sand	SM	70	B-17 (8-10')
	10-12	24	NA	0	11 12	Saturated, Same as above Same as above	SM	100	0
	12-14	24	NA	0	13 14	Same as above Same as above	SM	100	0
	14-16	24	NA	0	15 16	Same as above Same as above	SM	100	0

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

BORING LOG

Boring/Well Number: HA-1			
Site Name: OMS 28 Mobile, Alabama	4/19/2006 4/19/2006	Borehole Start Time: 9:40 ☐ AM ☐ PM End Time: 10:00 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Keith Dasinger	
Drilling Company: Not Applicable	Borehole Diameter (inches): 3"	Borehole Depth (feet): 10'	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 9.0'	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check metho ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	180	1 2	1" of grass; dry, reddish brown, medium grained, slightly clayey sand Same as above	SM	10	HA-1 (0-12")
	2-4	24	NA	200	3 4	Same as above Dry, tan, fine grained, sand	SM	25	0
	4-6	24	NA	180	5 6	Moist, brown, fine grained, sand Same as above	SM	25	0
	6-8	24	NA	220	7 8	Same as above Wet, red and tan, clay	SM	75	HA-1 (6-8')
	8-10	24	NA	120	9 10	Same as above Saturated, tan, medium grained, sand	SM	100	0

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = D

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

BORING LOG

Boring/Well Number: HA-2			
Site Name: OMS 28 Mobile, Alabama	4/19/2006 4/19/2006	Borehole Start Time: 10:10 ☐ AM ☐ PM End Time: 10:30 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Keith Dasinger	
Drilling Company: Not Applicable	Borehole Diameter (inches): 3"	Borehole Depth (feet): 10'	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture >10	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check metho ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked)*:			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	140	1 2	1" of grass; dry, tan, fine grained, sand Same as above	SM	10	HA-2 (0-12")
	2-4	24	NA	14	3 4	Same as above Same as above	SM	25	0
	4-6	24	NA	160	5 6	Moist, red and tan, clay Same as above	SM	25	0
	6-8	24	NA	160	7 8	Same as above Wet, tan, sandy clay	SM	60	0
	8-10	24	NA	200	9 10	Same as above Same as above	SM	75	HA-2 (8-10')

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = D

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

BORING LOG

Boring/Well Number: HA-3			
Site Name: OMS 28 Mobile, Alabama	4/19/2006 4/19/2006	Borehole Start Time: 10:35 ☐ AM ☐ PM End Time: 10:45 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Keith Dasinger	
Drilling Company: Not Applicable	Borehole Diameter (inches): 3"	Borehole Depth (feet): 10'	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 10.0	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check metho ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	100	1 2	1" of grass; moist, brown, medium grained, sand Same as above	SM	10	HA-3 (0-12")
	2-4	24	NA	95	3 4	Same as above Same as above	SM	25	0
	4-6	24	NA	130	5 6	Moist, red and tan, clay Same as above	SM	25	0
	6-8	24	NA	110	7 8	Same as above Wet, orange, medium grained, clayey sand	SM	50	0
	8-10	24	NA	140	9 10	Same as above Wet, tan, fine-medium grained, sand	SM	75	HA-3 (8-10')

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = D

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

BORING LOG

Boring/Well Number: HA-4			
Site Name: OMS 28 Mobile, Alabama	4/19/2006 4/19/2006	Borehole Start Time: 10:50 ☐ AM ☐ PM End Time: 11:00 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien		Geologist's Name: Keith Dasinger
Drilling Company: Not Applicable	Borehole Diameter (inches): 3"		Borehole Depth (feet): 10'
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 10.0	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check metho ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	25	1 2	1" of grass; moist, tan, fine grained, sand Same as above	SM	10	HA-4 (0-12")
	2-4	24	NA	45	3 4	Same as above Same as above	SM	25	0
	4-6	24	NA	60	5 6	Moist, tan, clay Same as above	SM	25	0
	6-8	24	NA	60	7 8	Same as above Wet, grayish white, medium grained, clayey sand	SM	50	0
	8-10	24	NA	85	9 10	Wet, Same as above Sat, tan, fine-medium grained, sand	SM	75 100	HA-4 (7-9')
						Flute liner inserted into boring at 11:00; flute liner removed from boring at 12:30			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = D

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

BORING LOG

Boring/Well Number: HA-5			
Site Name: OMS 28 Mobile, Alabama	4/19/2006 4/19/2006	Borehole Start Time: 11:05 ☐ AM ☐ PM End Time: 11:20 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Keith Dasinger	
Drilling Company: Not Applicable	Borehole Diameter (inches): 3"	Borehole Depth (feet): 10'	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 10.0	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check metho ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	35	1 2	1" of grass and gravel; moist, tan, fine grained, sand Same as above	SM	10	HA-5 (0-12")
	2-4	24	NA	5	3 4	Same as above Same as above	SM	25	0
	4-6	24	NA	5	5 6	Moist, red and tan, clay Same as above	SM	25	0
	6-8	24	NA	0	7 8	Same as above Moist, tan, fine grained, sand	SM	50	0
	8-10	24	NA	10	9 10	Same as above Wet, tan, fine-medium grained, sand	SM	75	HA-5 (7-9')

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = D

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

BORING LOG

Boring/Well Number: HA-6			
Site Name: OMS 28 Mobile, Alabama	4/19/2006 4/19/2006	Borehole Start Time: 11:25 ☐ AM ☐ PM End Time: 11:35 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien		Geologist's Name: Keith Dasinger
Drilling Company: Not Applicable	Borehole Diameter (inches): 3"		Borehole Depth (feet): 10'
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture >10	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check metho ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	55	1 2	1" of grass and gravel; dry, brown, medium grained, sand Same as above	SM	10	HA-6 (0-12")
	2-4	24	NA	120	3 4	Same as above Same as above	SM	25	0
	4-6	24	NA	110	5 6	Moist, dark gray, fine grained, sand Same as above	SM	25	0
	6-8	24	NA	160	7 8	Same as above Moist, red, fine grained, slightly clayey sand	SM	50	0
	8-10	24	NA	280	9 10	Same as above Moist, tan, fine grained, slightly clayey sand	SM	50	HA-6 (8-10")

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = D

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

BORING LOG

Boring/Well Number: HA-7			
Site Name: OMS 28 Mobile, Alabama	4/19/2006 4/19/2006	Borehole Start Time: 11:40 ☐ AM ☐ PM End Time: 11:55 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Keith Dasinger	
Drilling Company: Not Applicable	Borehole Diameter (inches): 3"	Borehole Depth (feet): 10'	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture >10	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check metho ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	10	1 2	1" of grass and gravel; dry, tan, medium grained, sand Same as above	SM	10	HA-7 (0-12")
	2-4	24	NA	140	3 4	Dry, brown, fine grained, sand Same as above	SM	25	0
	4-6	24	NA	690	5 6	Same as above Same as above	SM	25	0
	6-8	24	NA	650	7 8	Moist, red and tan, clay Same as above	SM	50	0
	8-10	24	NA	700	9 10	Same as above Same as above	SM	50	HA-7 (8-10')

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = D

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

BORING LOG

Boring/Well Number: HA-8			
Site Name: OMS 28 Mobile, Alabama	4/19/2006 4/19/2006	Borehole Start Time: 12:00 ☐ AM ☐ PM End Time: 12:10 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Keith Dasinger	
Drilling Company: Not Applicable	Borehole Diameter (inches): 3"	Borehole Depth (feet): 10'	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 10	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check metho ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	55	1 2	1" of grass and gravel; dry, red, coarse grained, sand Same as above	SM	10	HA-8 (0-12")
	2-4	24	NA	45	3 4	Moist, orange, fine grained, sand Same as above	SM	25	0
	4-6	24	NA	45	5 6	Same as above Same as above	SM	25	0
	6-8	24	NA	65	7 8	Moist, orange and tan, clay Same as above	SM	50	0
	8-10	24	NA	1,800	9 10	Same as above Wet, orange, medium grained, sand	SM	75	HA-8 (8-10')

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = D

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

BORING LOG

Boring/Well Number: HA-9			
Site Name: OMS 28 Mobile, Alabama	4/19/2006 4/19/2006	Borehole Start Time: 12:15 ☐ AM ☐ PM End Time: 12:25 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien		Geologist's Name: Keith Dasinger
Drilling Company: Not Applicable	Borehole Diameter (inches): 3"		Borehole Depth (feet): 10'
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 9.5	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check metho ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	75	1 2	1" of grass and gravel; dry, red, coarse grained, sand Same as above	SM	10	HA-9 (0-12")
	2-4	24	NA	0	3 4	Moist, tan, fine grained, sand Moist, brown, fine grained, slightly clayey sand	SM	25	0
	4-6	24	NA	45	5 6	Same as above Same as above	SM	25	0
	6-8	24	NA	55	7 8	Moist, red and tan, clay Same as above	SM	50	0
	8-10	24	NA	60	9 10	Moist, red, fine grained, clayey sand Wet, Same as above	SM	60	HA-9 (8-10')

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = D

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

BORING LOG

Boring/Well Number: HA-10			
Site Name: OMS 28 Mobile, Alabama	4/19/2006 4/19/2006	Borehole Start Time: 12:30 ☐ AM ☐ PM End Time: 12:45 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Keith Dasinger	
Drilling Company: Not Applicable	Borehole Diameter (inches): 3"	Borehole Depth (feet): 10'	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture >10	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check metho ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	65	1 2	1" of grass and gravel; dry, red, coarse grained, sand Same as above	SM	10	HA-10 (0-12")
	2-4	24	NA	110	3 4	Moist, tan, fine grained, sand Moist, brown, fine grained, sand	SM	25	0
	4-6	24	NA	100	5 6	Same as above Same as above	SM	25	0
	6-8	24	NA	80	7 8	Moist, red and tan, clay Same as above	SM	50	0
	8-10	24	NA	120	9 10	Same as above Same as above	SM	50	HA-10 (8-10')

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = D

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

BORING LOG

Boring/Well Number: HA-11			
Site Name: OMS 28 Mobile, Alabama	5/11/2006 5/11/2006	Borehole Start Time: 13:40 ☐ AM ☐ PM End Time: 13:50 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien		Geologist's Name: Curtis Mills
Drilling Company: Not Applicable	Borehole Diameter (inches): 3"		Borehole Depth (feet): 10'
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture 10	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check metho ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	0	1 2	1" of grass and gravel; dry, orange, fine grained, silty sand Same as above	SM	10	0
	2-4	24	NA	0	3 4	Moist, red and tan, fine grained, clayey sand Same as above	SM	25	0
	4-6	24	NA	0	5 6	Same as above Same as above	SM	25	0
	6-8	24	NA	0	7 8	Same as above Same as above	SM	50	0
	8-10	24	NA	150	9 10	Same as above Wet, orange, medium grained, sand	SM	70	HA-11 (8-10')

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = D

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

BORING LOG

Boring/Well Number: HA-12			
Site Name: OMS 28 Mobile, Alabama	5/11/2006 5/11/2006	Borehole Start Time: 13:55 ☐ AM ☐ PM End Time: 14:05 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien		Geologist's Name: Curtis Mills
Drilling Company: Not Applicable	Borehole Diameter (inches): 3"		Borehole Depth (feet): 10'
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture >10	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check metho ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	0	1 2	1" of grass and gravel; dry, red, medium grained, clayey sand Same as above	SM	10	0
	2-4	24	NA	0	3 4	Moist, light brown, fine grained, clayey sand Same as above	SM	25	0
	4-6	24	NA	0	5 6	Same as above Moist, red and tan, clay	SM	25	0
	6-8	24	NA	0	7 8	Same as above Same as above	SM	50	0
	8-10	24	NA	0	9 10	Same as above Same as above	SM	50	HA-12 (8-10')

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

BORING LOG

Boring/Well Number: HA-13			
Site Name: OMS 28 Mobile, Alabama	5/11/2006 5/11/2006	Borehole Start Time: 14:10 ☐ AM ☐ PM End Time: 14:20 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien		Geologist's Name: Curtis Mills
Drilling Company: Not Applicable	Borehole Diameter (inches): 3"		Borehole Depth (feet): 10'
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture >10	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check metho ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	0	1 2	1" of grass and gravel; dry, brown, fine grained, clayey sand Same as above	SM	10	0
	2-4	24	NA	0	3 4	Dry, red, medium grained, sand Same as above	SM	25	0
	4-6	24	NA	0	5 6	Moist, light brown, fine-medium grained, slightly clayey sand Same as above	SM	25	0
	6-8	24	NA	0	7 8	Same as above Moist, orange, fine grained, clayey sand	SM	50	0
	8-10	24	NA	0	9 10	Same as above Same as above	SM	50	HA-13 (8-10')

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = D

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

BORING LOG

Boring/Well Number: HA-14			
Site Name: OMS 28 Mobile, Alabama	3/19/2007 3/19/2007	Borehole Start Time: 8:30 ☐ AM ☐ PM End Time: 9:00 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Curtis Mills	
Drilling Company: Not Applicable	Borehole Diameter (inches): 3"	Borehole Depth (feet): 10'	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture >10	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check metho ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	0	1 2	1" of grass and gravel; dry, brown, fine grained, clayey sand Same as above	SM	10	HA-14 (0-1')
	2-4	24	NA	0	3 4	Dry, red, medium grained, sand Same as above	SM	25	0
	4-6	24	NA	0	5 6	Moist, light brown, fine-medium grained, slightly clayey sand Same as above	SM	25	0
	6-8	24	NA	0	7 8	Same as above Moist, orange, fine grained, clayey sand	SM	50	0
	8-10	24	NA	0	9 10	Same as above Same as above	SM	50	HA-14 (8-10')

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

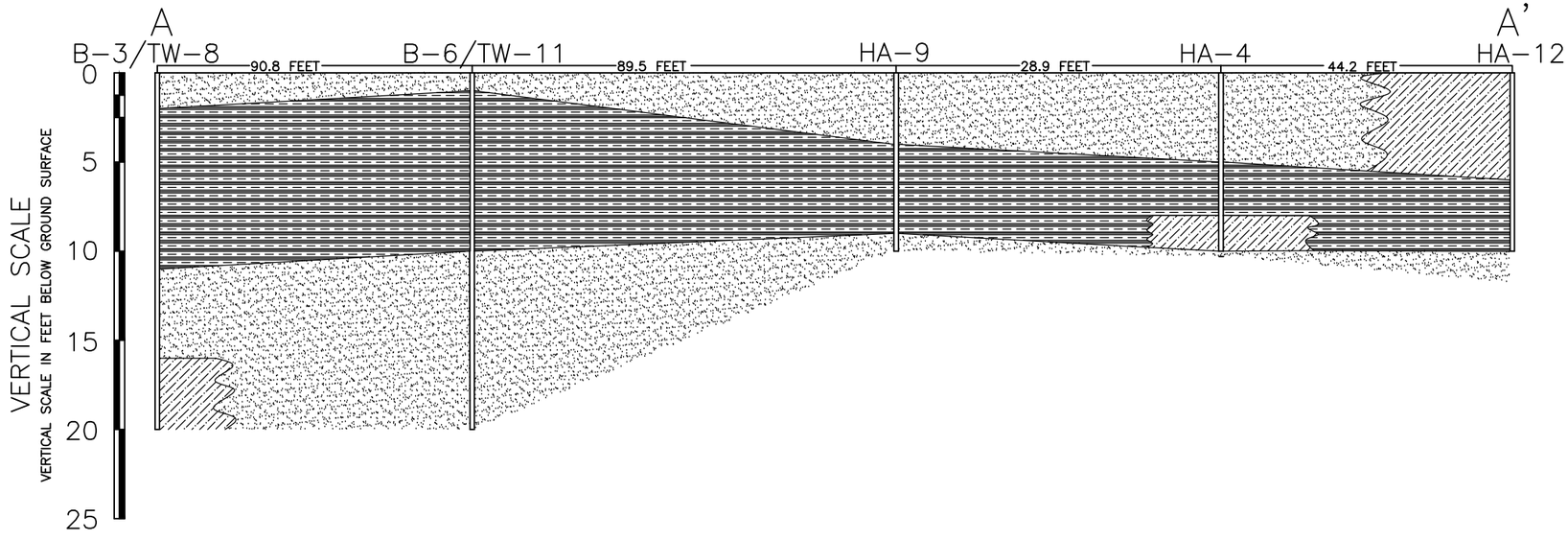
BORING LOG

Boring/Well Number: HA-15			
Site Name: OMS 28 Mobile, Alabama	3/19/2007 3/19/2007	Borehole Start Time: 9:20 ☐ AM ☐ PM End Time: 10:00 ☐ AM ☐ PM	
Environmental Contractor: Aerostar Environmental Services	Geologist's Name: Emilie Wien	Geologist's Name: Curtis Mills	
Drilling Company: Not Applicable	Borehole Diameter (inches): 3"	Borehole Depth (feet): 10'	
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture >10	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): ☐ FID ☐ PID
Disposition of Drill Cuttings [check metho ☐ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other *(describe if other or multiple items are checked):*			
Borehole Completion (check one): ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered	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)
	0-2	24	NA	0	1 2	1" of grass and gravel; dry, brown, fine grained, clayey sand Same as above	SM	10	HA-15 (0-1')
	2-4	24	NA	0	3 4	Dry, red, medium grained, sand Same as above	SM	25	0
	4-6	24	NA	0	5 6	Moist, light brown, fine-medium grained, slightly clayey sand Same as above	SM	25	0
	6-8	24	NA	0	7 8	Same as above Moist, orange, fine grained, clayey sand	SM	50	0
	8-10	24	NA	0	9 10	Same as above Same as above	SM	50	HA-15 (8-10')

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = D

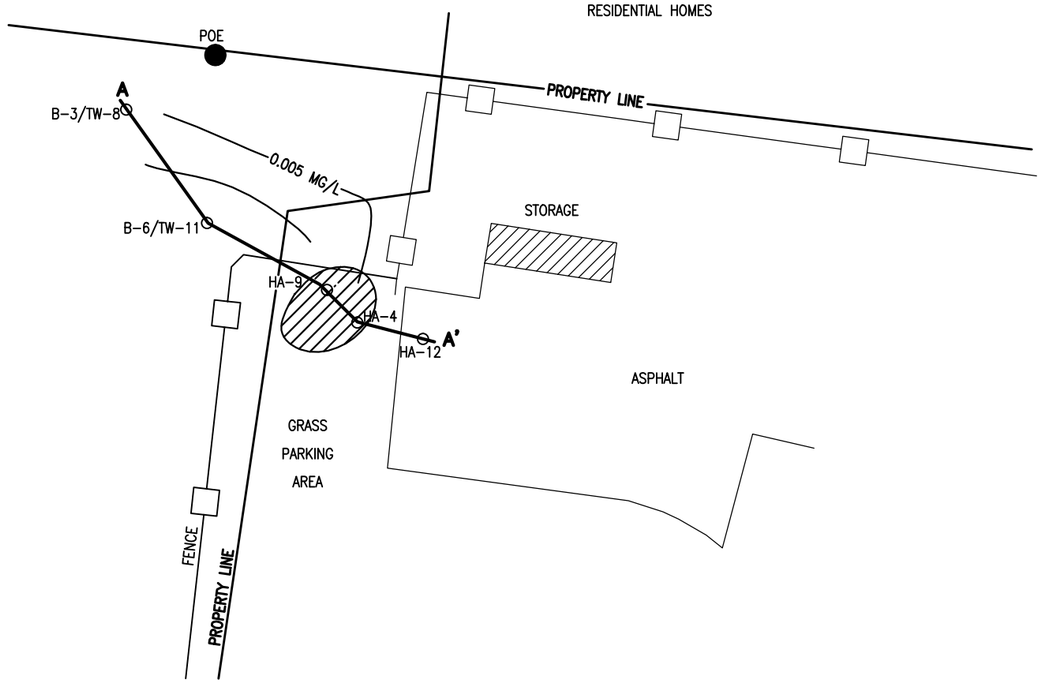
Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated



CLAYEY SAND

SANDY CLAY TO CLAY

SAND



thompson ENGINEERING

OMS-28
FORMER BROOKLEY FIELD
MOBILE, MOBILE COUNTY, ALABAMA

FIGURE 8
GEOLOGIC CROSS-SECTION
A TO A'

PROJECT NO: 10-2116-0112

DATE: JANUARY 2011

(NOTE: EXTRACTED FROM HYDROGEOLOGY AND VULNERABILITY TO CONTAMINATION OF MAJOR AQUIFERS IN ALABAMA: AREA 13.)

OMS-28 SITE
FORMER BROOKLEY FIELD
MOBILE, MOBILE COUNTY,
ALABAMA

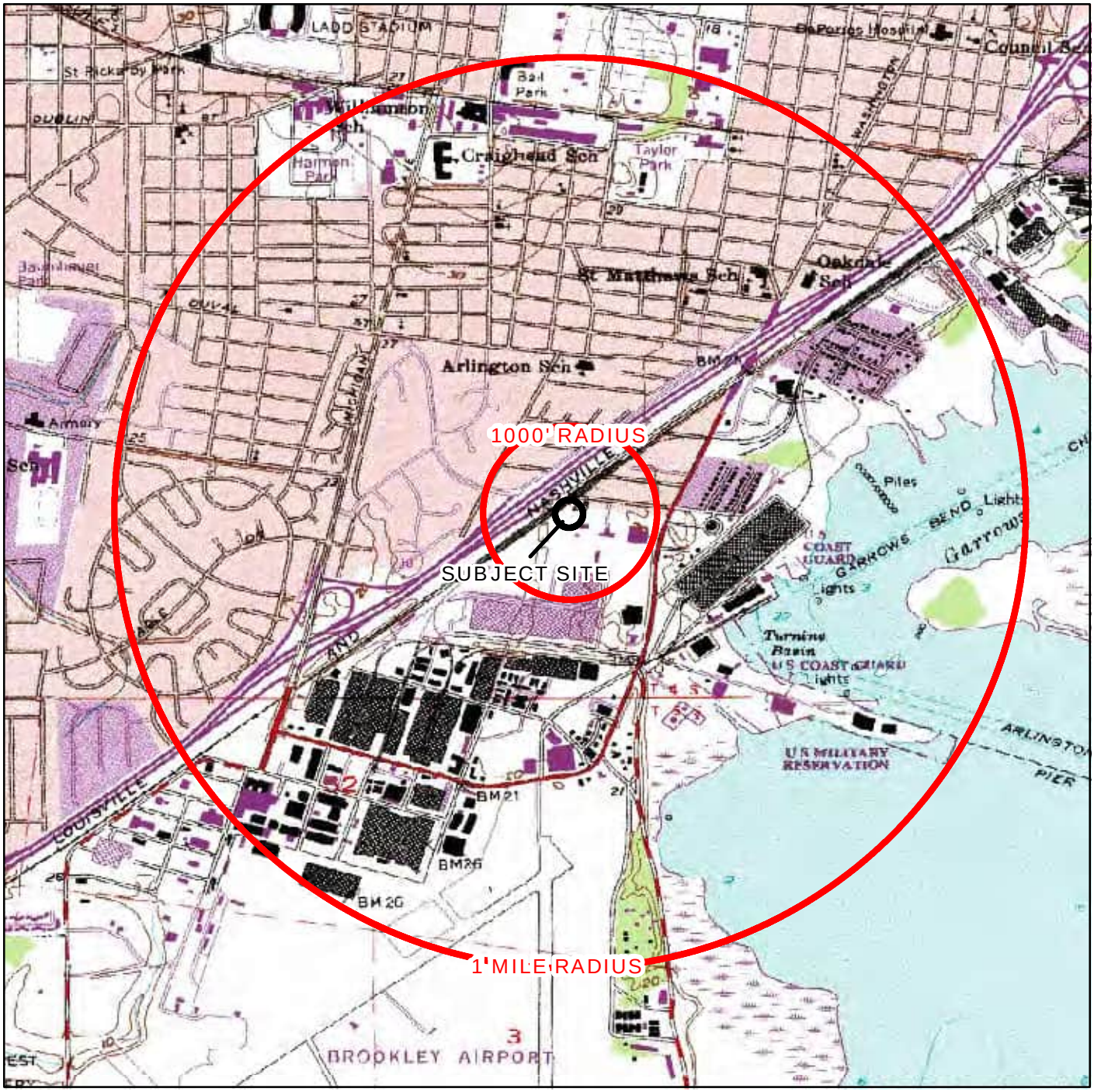
thompson ENGINEERING

FIGURE 9
AREA GEOLOGY MAP

PROJECT NO.: 10-2116-0112

DATE: JANUARY 2011

P:\2010\2116\10-2116-0112\DRAWINGS\FIG9_011011.mxd



1:24,000

2,000 0 2,000 4,000 6,000 Feet

0 0.5 1 1.5 2 Miles

CONTOUR INTERVAL 10 FEET

N

(NOTE: EXTRACTED FROM MOBILE, ALABAMA QUADRANGLE, 7.5 MINUTE SERIES.)

OMS-28 SITE
FORMER BROOKLEY FIELD
MOBILE, MOBILE COUNTY,
ALABAMA

thompson ENGINEERING

FIGURE 10
WATER SUPPLY WELL LOCATIONS
AND SURFACE WATERS

PROJECT NO.: 10-2116-0112

DATE: JANUARY 2011

P:\2010\2116\10-2116-0112\DRAWINGS\FIG10_011011.mxd

FIGURE 11

GROUNDWATER POTENTIOMETRIC SURFACE MAP
NOVEMBER 2009
PROVIDED BY AEROSTAR

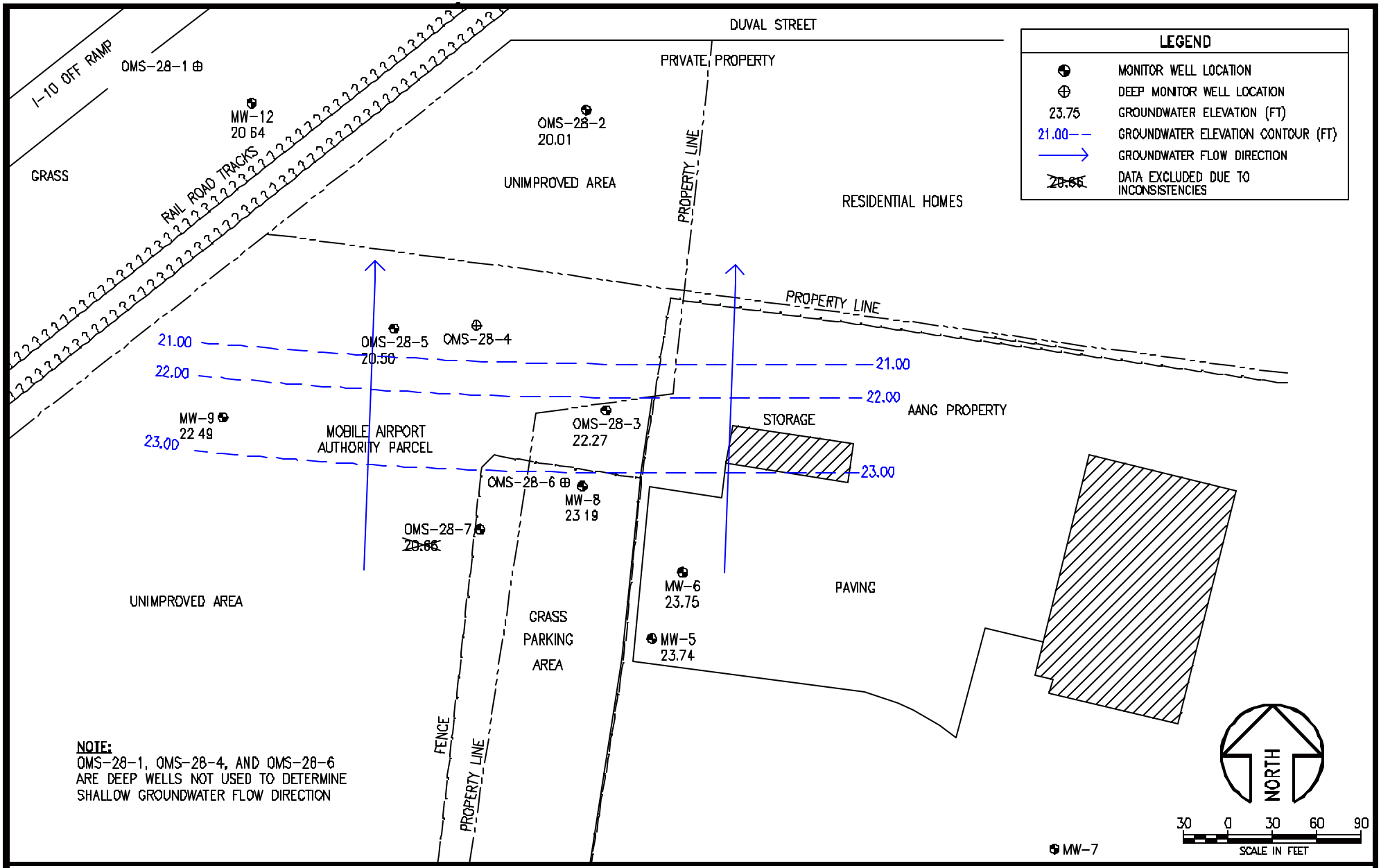


FIGURE 3B - SHALLOW POTENTIOMETRIC SURFACE MAP, NOVEMBER 2009

AEROSTAR ENVIRONMENTAL SERVICES, INC.

OMS - 28
FORMER BROOKLEY FIELD
MOBILE, ALABAMA

JOB # 0407-523-05
DATE: NOVEMBER 2009
DRAWN BY: ROGERS

FIGURE 12

GROUNDWATER POTENTIOMETRIC SURFACE MAP
MARCH 2010
PROVIDED BY AEROSTAR

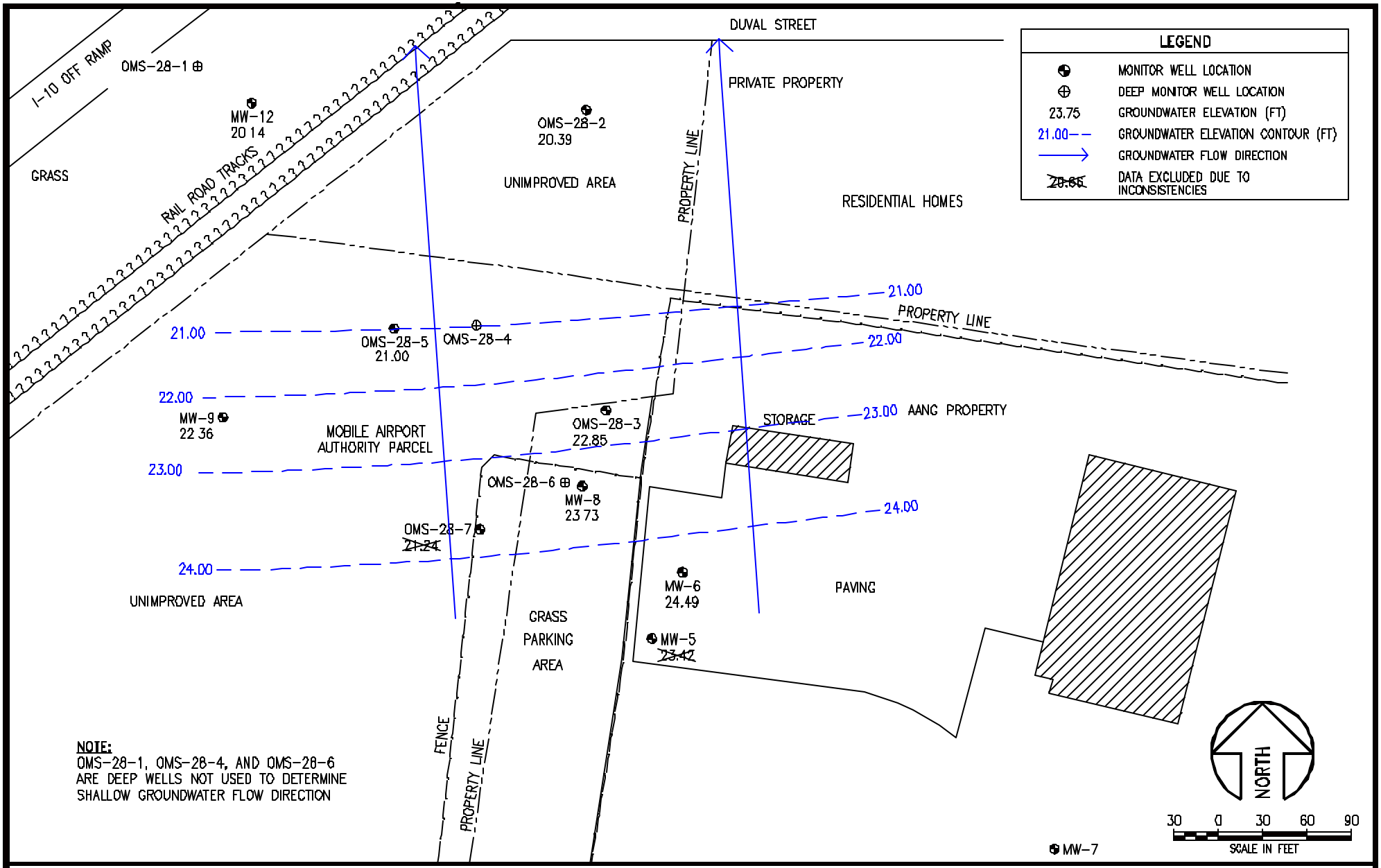


FIGURE 3A - SHALLOW POTENTIOMETRIC SURFACE MAP, MARCH 2010

AEROSTAR ENVIRONMENTAL SERVICES, INC.

OMS - 28
FORMER BROOKLEY FIELD
MOBILE, ALABAMA

JOB # 0407-523-05
DATE: MARCH 2010
DRAWN BY: STUART

FIGURE 13

GROUNDWATER POTENTIOMETRIC SURFACE MAP
NOVEMBER 2010
PROVIDED BY AEROSTAR

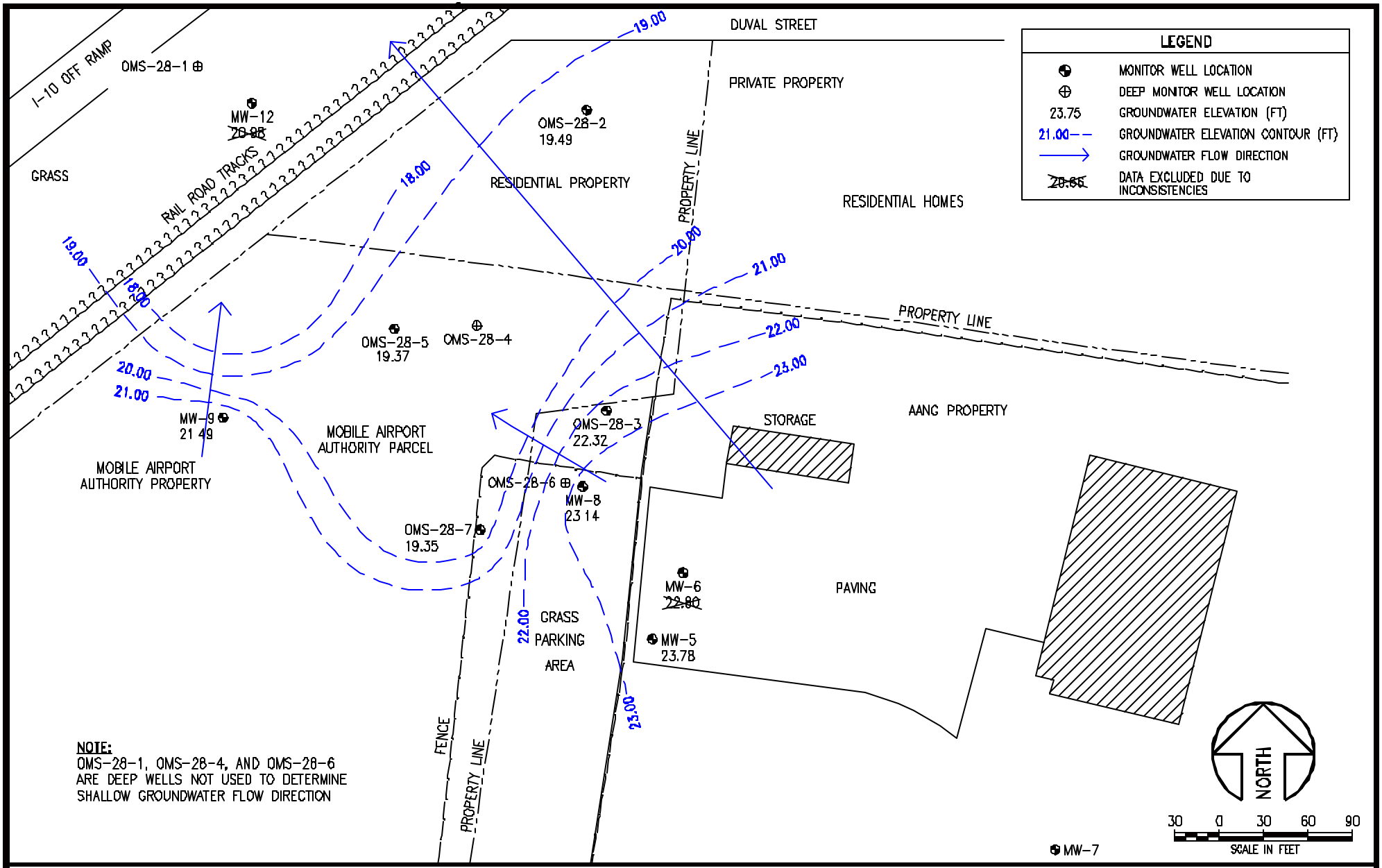
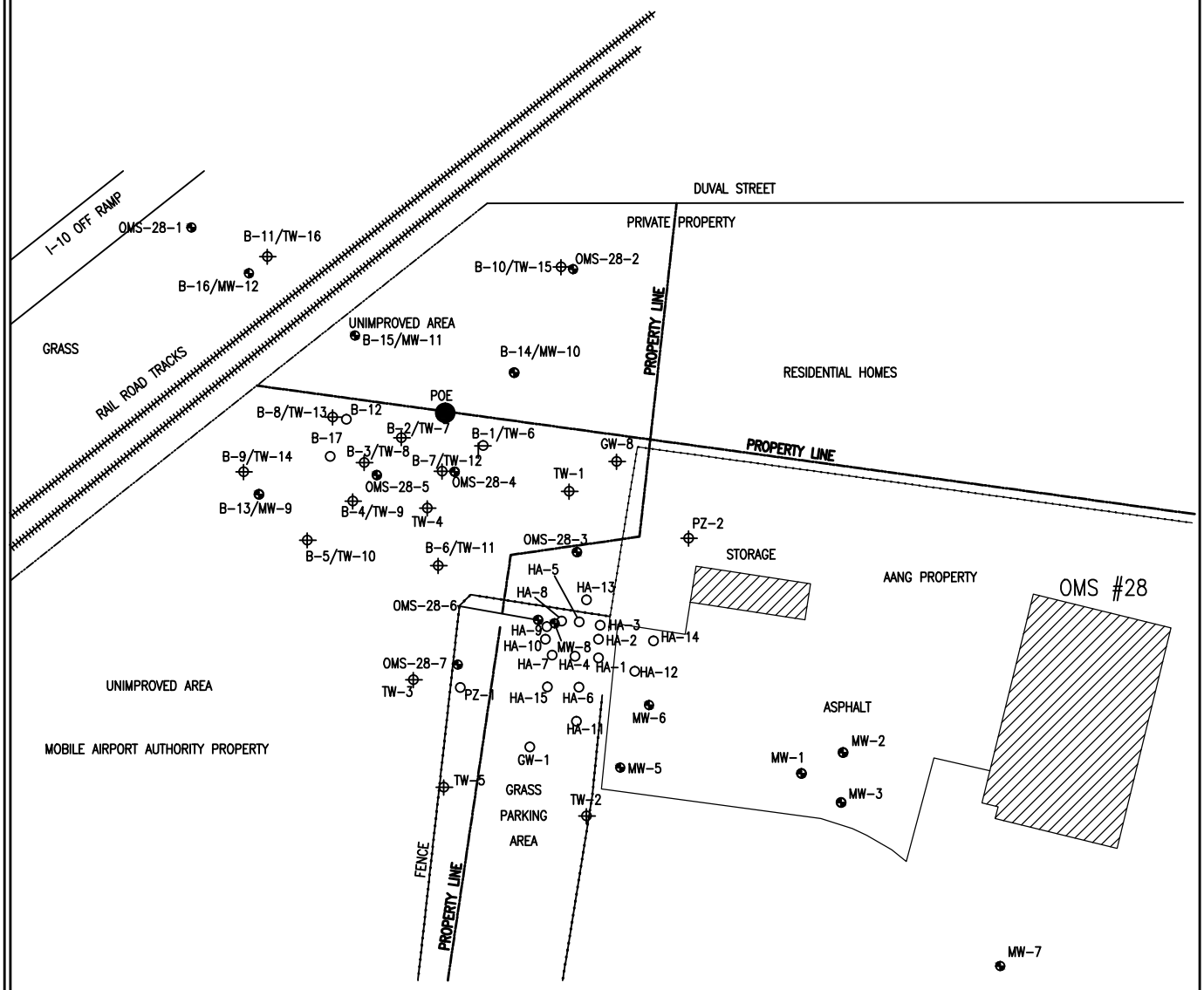


FIGURE 3A - SHALLOW POTENTIOMETRIC SURFACE MAP, SEPTEMBER 2010

AEROSTAR ENVIRONMENTAL SERVICES, INC.

OMS - 28
FORMER BROOKLEY FIELD
MOBILE, ALABAMA

JOB # 0407-523-05
DATE: NOVEMBER 2010
DRAWN BY: STUART



NOTE:
The information depicted is intended to provide visual aid within the context of this report and should not be used as a sole reference in precise dimensioning of features indicated.

OMS-28 SITE
FORMER BROOKLEY FIELD
MOBILE, MOBILE COUNTY, ALABAMA

thompson
ENGINEERING

FIGURE 14
MONITORING WELL AND
SOIL BORING LOCATIONS

PROJECT NO: 10-2116-0112

DATE: JANUARY 2011

FIGURE 15

CURRENT AND HISTORICAL GROUNDWATER COC TREND GRAPHS
NATURAL ATTENUATION MONITORING REPORT
NOVEMBER 2010
PROVIDED BY AEROSTAR

NATURAL ATTENUATION MONITORING REPORT

Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 1 - Site Summary

Purpose of Monitoring:

[X] Plume Characterization

[ ] Confirmation Monitoring

[ ] Remediation by Natural Attenuation (Approved Corrective Action Plan)

Site Status:

[ ] Assessment Complete

[ ] ARBCA Evaluation Conducted

[ ] Active UST's

[ ] Site Classification

[ ] Free Product ever present

Number of Groundwater Monitoring Wells:

[ ] Piezometers

[9] Type II

[3] Type III

[ ] Other

Number of Water Supply Wells:

[0] Public (within 1 mile radius of site)

[0] Private (within 1000 foot radius of site)

[ ] Other (Explain) _____

Status of Waste Water Disposal:

[ ] Quantity (gallons)

[ ] Disposal Method

[ ] Stored On-site

[ ] Disposal Documentation

Comments:

ATTACH A BRIEF SUMMARY OF THE ARBCA EVALUATION INCLUDING THE SSTL'S DEVELOPED FOR THE SITE AND THE LOCATION OF THE POINT OF COMPLIANCE.

NATURAL ATTENUATION MONITORING REPORT

Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 2 - Site Maps

Attach site map(s) illustrating all well locations, location of former and/or current UST system(s), utilities, adjacent properties, receptors, current and most likely future land use of site and adjacent properties, Point of Compliance, buildings and other pertinent features. All maps should contain a north arrow and should be to scale.

Section 3 - Well Inventory Tables

Monitoring Wells

Well ID	Date Installed	Diameter (inches)	Screened Interval (feet bgs)		Depth to Water (feet bgs)
MW-5	1994	2.0	3.3	13.3	4.36
MW-6	1994	2.0	2.3	12.3	5.35
MW-8	1994	2.0	4.8	14.8	5.10
MW-9	2006	2.0	7.4	17.4	10.40
MW-12	2006	2.0	5.6	15.6	4.96
OMS-28-1	2008	2.0	70.0	80.0	22.16
OMS-28-2	2008	2.0	10.0	20.0	11.39
OMS-28-3	2008	2.0	10.0	20.0	8.38
OMS-28-4	2008	2.0	66.0	76.0	26.03
OMS-28-5	2008	2.0	10.0	20.0	10.75
OMS-28-6	2008	2.0	66.0	76.0	26.10
OMS-28-7	2008	2.0	10.0	20.0	8.21

Water Supply Wells

Well ID	Date Installed	Diameter (inches)	Screened Interval (feet bgs)		Depth to Water (feet bgs)	Well Use

NATURAL ATTENUATION MONITORING REPORT

Facility Name: USACE OMS-28
Facility I. D. No.: NA
Incident No.: GW 07-01-02
Consulting Firm: Aerostar, Inc.

Year: 2010
Quarter: 2nd biannual
Reporting Period: 07/01/10 - 12/31/10
Project Manager: Geoff Reichold, P.G.

Section 4 - History of Sampling

Date	Sampling Parameters										Sampled By		
Sampled	VOCs	BTEX	MTBE	PAH	Metals	D.O.	Nitrate	Fe^{+2}	Sulfate	Methane	Name	Company	Title
07/01/08	X										Prent Davis	Aerostar	Geologist
07/08/08	X										Prent Davis	Aerostar	Geologist
12/10/08	X										Marshall Eschete	Aerostar	Geologist
12/11/08	X										Marshall Eschete	Aerostar	Geologist
05/08/09	X										Adam Davis	Aerostar	Technician
09/24/09	X										Curtis Mills	Aerostar	Geologist
03/18/10	X										Sam Stuart	Aerostar	Geologist
09/07/10	X										Curtis Mills	Aerostar	Geologist

INDICATE SAMPLING PARAMETERS COLLECTED/MEASURED DURING EACH MONITORING EVENT. CHECK APPROPRIATE BOXES INDICATING SAMPLING PARAMETERS.

NATURAL ATTENUATION MONITORING REPORT

Facility Name: USACE OMS-28
Facility I. D. No.: NA
Incident No.: GW 07-01-02
Consulting Firm: Aerostar, Inc.

Year: 2010
Quarter: 2nd biannual
Reporting Period: 07/01/10 - 12/31/10
Project Manager: Geoff Reichold, P.G.

Section 5 - Sampling Methodology

Date	Analytical Methods										Sampled By		
Sampled	VOCs	BTEX	MTBE	PAH	Metals	D.O.	Nitrate	Fe^{+2}	Sulfate	Methane	Name	Company	Title
07/01/08	8260										Prent Davis	Aerostar	Geologist
07/08/08	8260										Prent Davis	Aerostar	Geologist
12/10/08	8260										Marshall Eschete	Aerostar	Geologist
12/11/08	8260										Marshall Eschete	Aerostar	Geologist
05/08/09	8260										Adam Davis	Aerostar	Technician
09/24/09	8260										Curtis Mills	Aerostar	Geologist
03/18/10	8260										Sam Stuart	Aerostar	Geologist
09/07/10	8260										Curtis Mills	Aerostar	Geologist

ATTACH CHAIN OF CUSTODY'S AND ORIGINAL LABORATORY SHEETS FOR THIS MONITORING EVENT. ENTER EPA METHOD NUMBER FOR LABORATORY METHODS. PROVIDE DETAILED SAMPLING METHODOLOGY FOR ALL FIELD ANALYTICAL METHODS. ATTACH ADDITIONAL PAGES AS NECESSARY TO DESCRIBE FIELD METHODS.

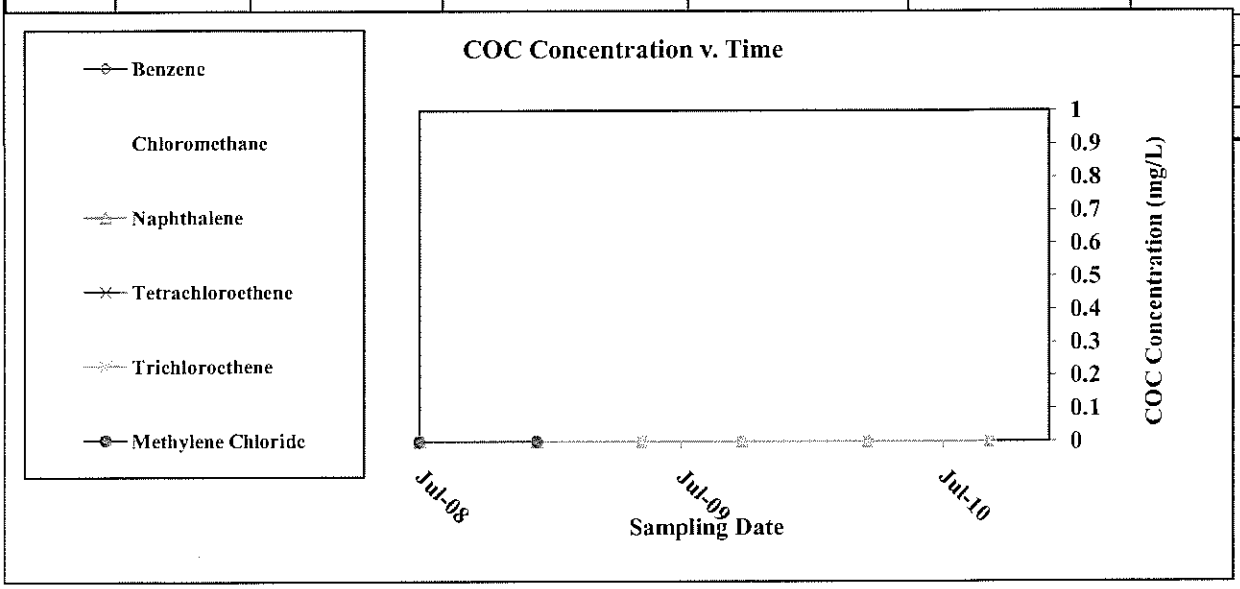
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	USACE OMS-28	Year:	###
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID MW-5

	Historical Chemicals of Concern Data					
DATE	Benzene	Chloromethane	Naphthalene	Tetrachloroethene	Trichloroethene	Methylene Chloride
07/01/08	0.0000624U	0.000249U	0.00464J	0.000200U	0.000164U	0.0000765U
12/11/08	0.0000649U	0.000101U	0.000118U	0.000153U	0.000118U	0.0000959U
05/08/09	0.0000747U	0.000116U	0.000101U	0.0000998U	0.0000974U	0.000142U
09/24/09	0.0000747U	0.000116U	0.000101U	0.0000998U	0.0000974U	0.000142U
03/18/10	0.0000542U	0.0000886U	0.0000817U	0.000121U	0.0000618U	0.000327U
09/07/10	0.0000542U	0.0000886U	0.0000817U	0.000121U	0.0000618U	0.000327U



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

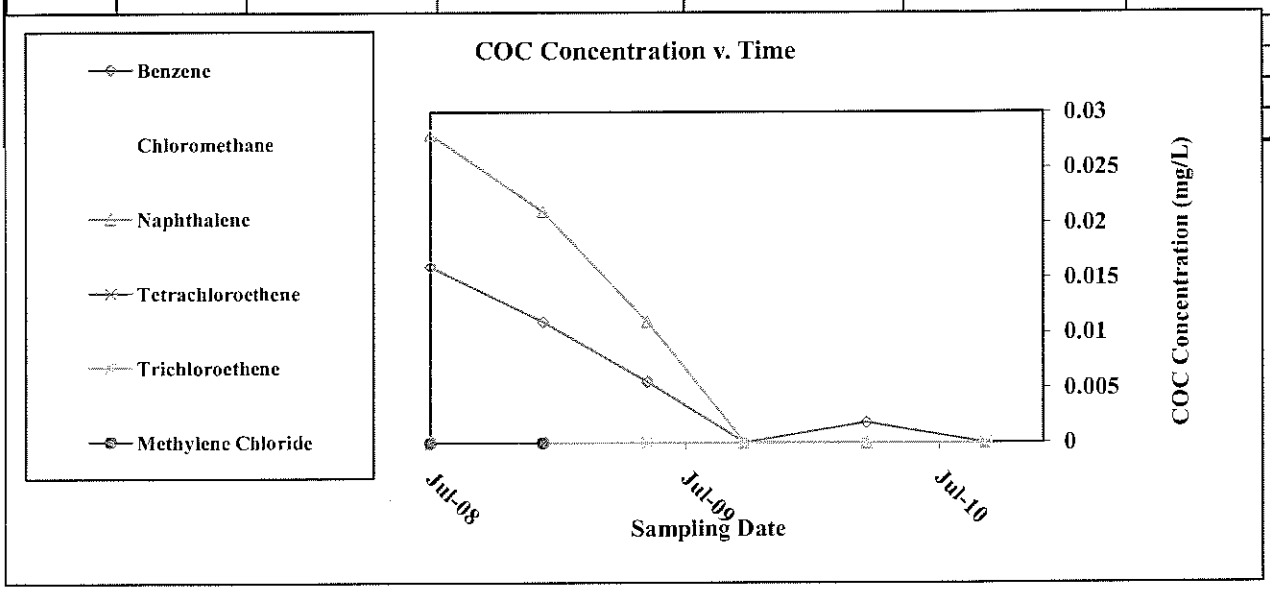
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID MW-6

	Historical Chemicals of Concern Data					
DATE	Benzene	Chloromethane	Naphthalene	Tetrachloroethene	Trichloroethene	Methylene Chloride
07/01/08	0.016	0.000249U	0.028	0.000200U	0.000164U	0.0000765U
12/11/08	0.011	0.000101U	0.021	0.000153U	0.000118U	0.0000959U
05/08/09	0.00555	0.000116U	0.011	0.0000998U	0.0000974U	0.000142U
09/24/09	0.0000747U	0.000116U	0.000101U	0.0000998U	0.0000974U	0.000142U
03/18/10	0.00184	0.0000886U	0.0000817U	0.000121U	0.0000618U	0.000327U
09/07/10	0.0000542U	0.0000886U	0.0000817U	0.000121U	0.0000618U	0.000327U



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

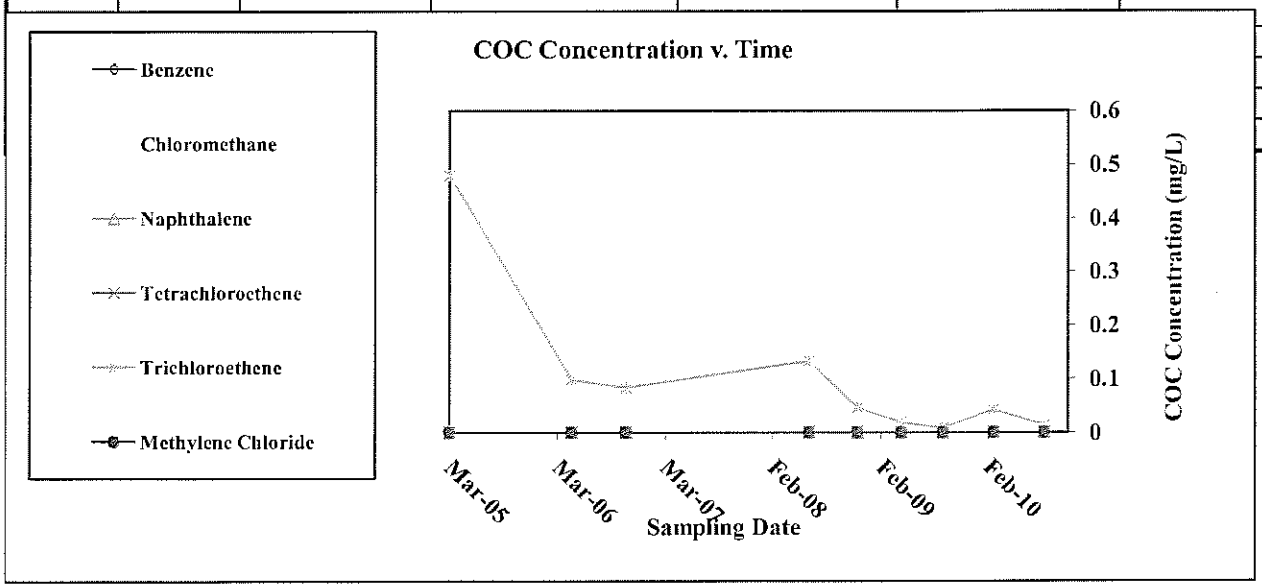
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID MW-8

	Historical Chemicals of Concern Data					
DATE	Benzene	Chloromethane	Naphthalene	Tetrachloroethene	Trichloroethene	Methylene Chloride
03/01/05	NA	NA	NA	NA	0.48	NA
04/18/06	0.000225U	NA	0.000304U	NA	0.0979	NA
10/18/06	0.000225U	NA	0.000304U	NA	0.083	NA
07/01/08	0.0000624U	0.00210J	0.000245U	0.000200U	0.133	0.0000765U
12/11/08	0.0000649U	0.000101U	0.000118U	0.000153U	0.046	0.0000959U
05/08/09	0.0000747U	0.000116U	0.000101U	0.0000998U	0.018	0.000142U
09/24/09	0.0000747U	0.000116U	0.000101U	0.0000998U	0.00841	0.000142U
03/19/10	0.0000542U	0.0000886U	0.0000817U	0.000121U	0.041	0.000327U
09/08/10	0.0000542U	0.0000886U	0.0000817U	0.000121U	0.013	0.000327U



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

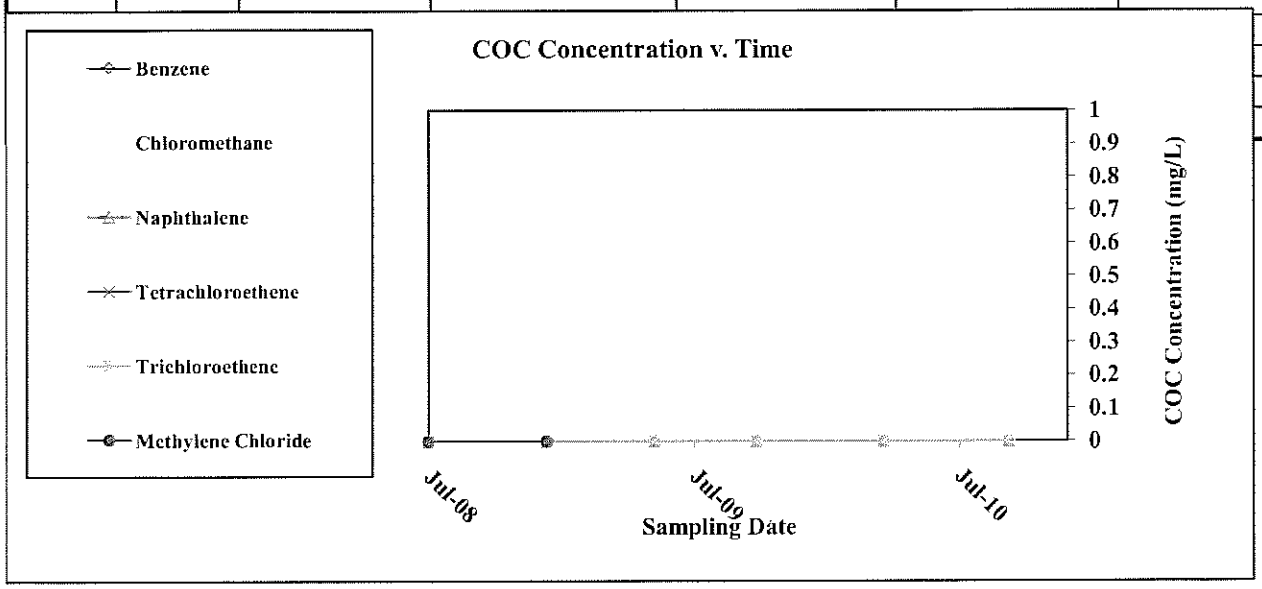
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID MW-9

	Historical Chemicals of Concern Data					
DATE	Benzene	Chloromethane	Naphthalene	Tetrachloroethene	Trichloroethene	Methylene Chloride
07/01/08	0.0000624U	0.000249U	0.000245U	0.000200U	0.000164U	0.0000765U
12/11/08	0.0000649U	0.000101U	0.000118U	0.000153U	0.000118U	0.0000959U
05/08/09	0.0000747U	0.000116U	0.000101U	0.0000998U	0.0000974U	0.000142U
09/24/09	0.0000747U	0.000116U	0.000101U	0.0000998U	0.0000974U	0.000142U
03/18/10	0.0000542U	0.0000886U	0.0000817U	0.000121U	0.0000618U	0.000327U
09/08/10	0.0000542U	0.0000886U	0.0000817U	0.000121U	0.0000618U	0.000327U



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

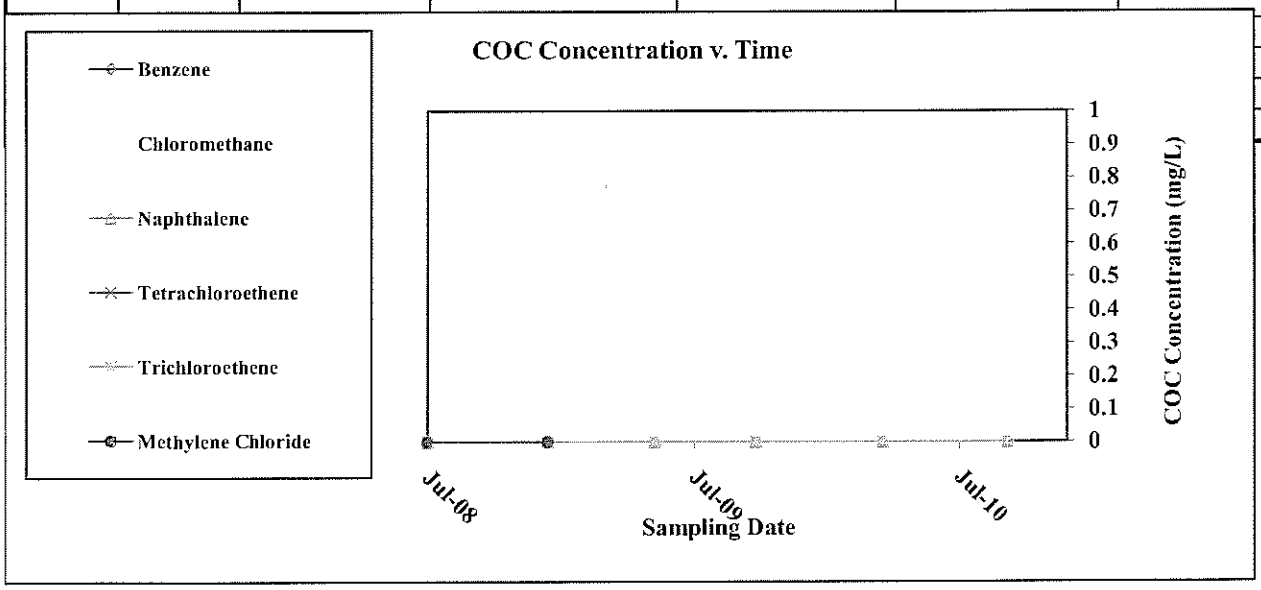
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID MW-12

	Historical Chemicals of Concern Data					
DATE	Benzene	Chloromethane	Naphthalene	Tetrachloroethene	Trichloroethene	Methylene Chloride
07/01/08	0.0000624U	0.000249U	0.000245U	0.000200U	0.000164U	0.0000765U
12/11/08	0.0000649U	0.000101U	0.000118U	0.000153U	0.000118U	0.0000959U
05/08/09	0.0000747U	0.000116U	0.000101U	0.0000998U	0.0000974U	0.000142U
09/24/09	0.0000747U	0.000116U	0.000101U	0.0000998U	0.0000974U	0.000142U
03/18/10	0.0000542U	0.0000886U	0.0000817U	0.000121U	0.0000618U	0.000327U
09/07/10	0.0000542U	0.0000886U	0.0000817U	0.000121U	0.0000618U	0.000327U



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

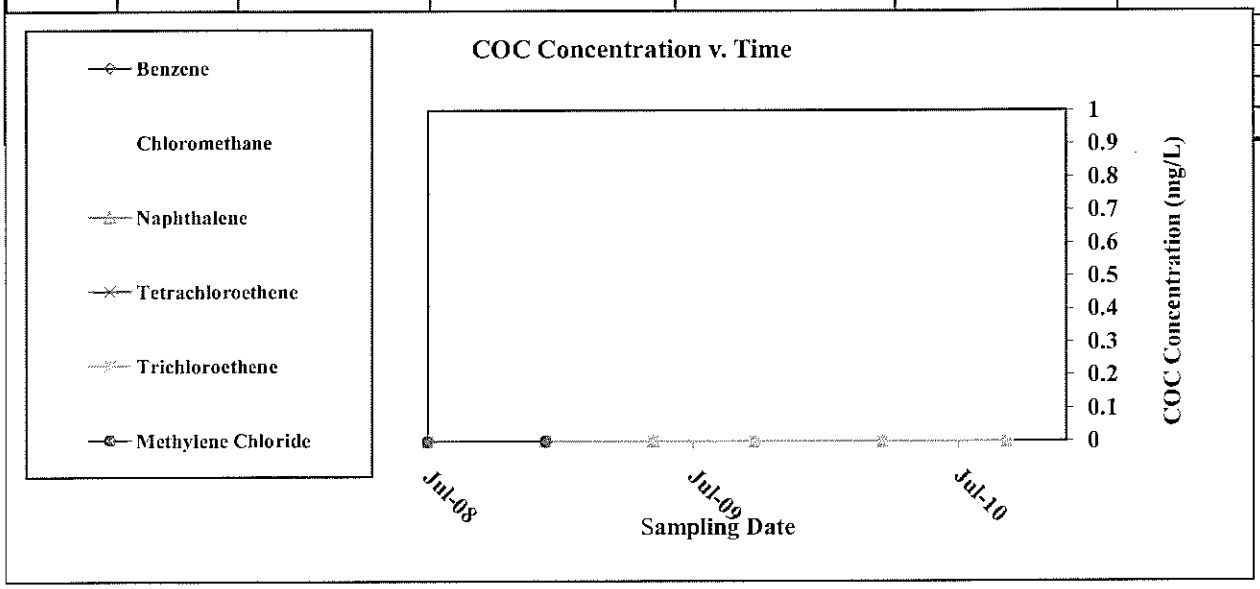
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID OMS-28-1

	Historical Chemicals of Concern Data					
DATE	Benzene	Chloromethane	Naphthalene	Tetrachloroethene	Trichloroethene	Methylene Chloride
07/01/08	0.0000624U	0.00151J	0.000245U	0.000200U	0.000164U	0.00905J
12/11/08	0.0000649U	0.000101U	0.00451J	0.000153U	0.000118U	0.0000959U
05/08/09	0.0000747U	0.000116U	0.000101U	0.0000998U	0.0000974U	0.000142U
09/24/09	0.0000747U	0.000116U	0.000101U	0.0000998U	0.0000974U	0.000142U
03/18/10	0.0000542U	0.0000886U	0.0000817U	0.000121U	0.0000618U	0.000327U
09/07/10	0.0000542U	0.0000886U	0.0000817U	0.000121U	0.0000618U	0.000327U



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

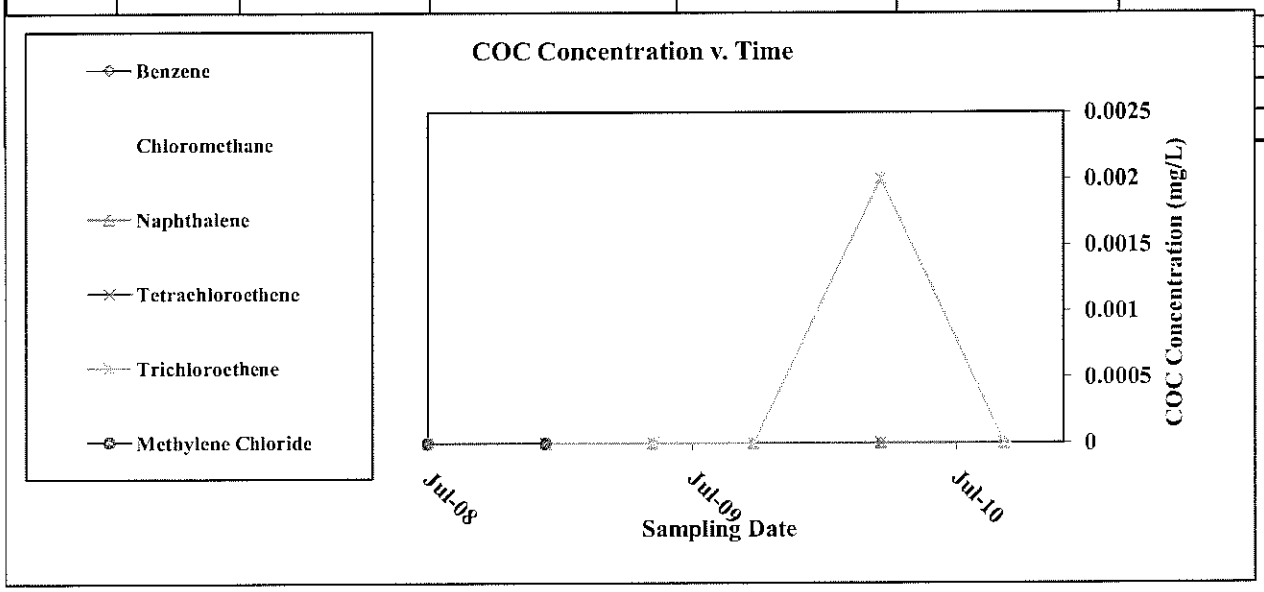
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID OMS-28-2

	Historical Chemicals of Concern Data					
DATE	Benzene	Chloromethane	Naphthalene	Tetrachloroethene	Trichloroethene	Methylene Chloride
07/01/08	0.0000624U	0.00111J	0.000245U	0.000200U	0.000164U	0.0000765U
12/11/08	0.0000649U	0.000101U	0.000118U	0.000153U	0.000118U	0.0000959U
05/08/09	0.0000747U	0.000116U	0.000101U	0.0000998U	0.0000974U	0.000142U
09/24/09	0.0000747U	0.000116U	0.000101U	0.0000998U	0.0000974U	0.000142U
03/18/10	0.0000542U	0.0000886U	0.0000817U	0.000121U	0.002	0.000327U
09/07/10	0.0000542U	0.0000886U	0.0000817U	0.000121U	0.0000618U	0.000327U



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

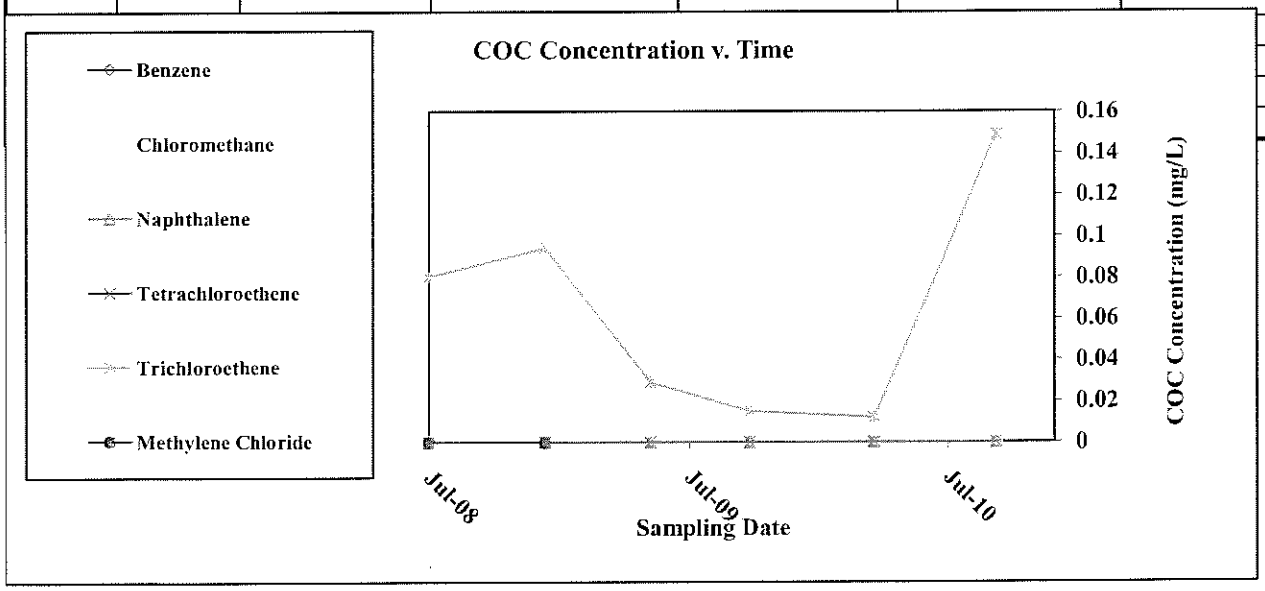
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID OMS-28-3

	Historical Chemicals of Concern Data					
DATE	Benzene	Chloromethane	Naphthalene	Tetrachloroethene	Trichloroethene	Methylene Chloride
07/01/08	0.0000624U	0.000835J	0.000245U	0.000200U	0.08	0.0000765U
12/11/08	0.0000649U	0.000101U	0.000118U	0.000153U	0.094	0.0000959U
05/08/09	0.0000747U	0.000116U	0.000101U	0.0000998U	0.029	0.000142U
09/24/09	0.0000747U	0.000116U	0.000101U	0.0000998U	0.015	0.000142U
03/18/10	0.0000542U	0.0000886U	0.0000817U	0.000121U	0.012	0.000327U
09/08/10	0.0000542U	0.0000886U	0.0000817U	0.000121U	0.149	0.000327U



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

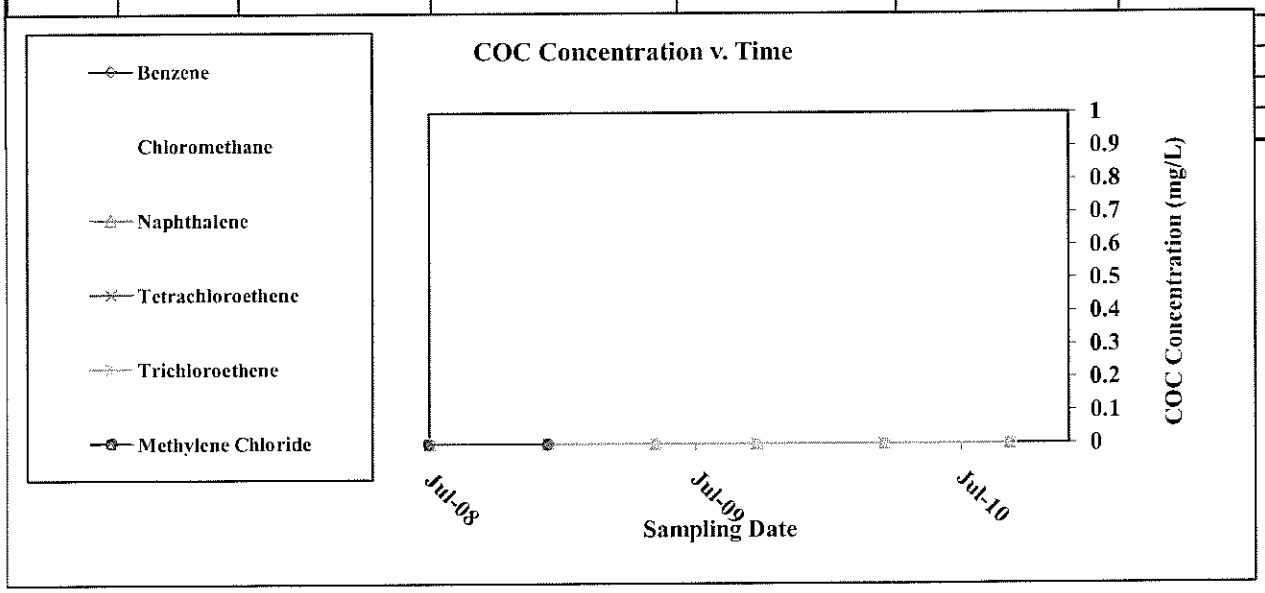
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID OMS-28-4

	Historical Chemicals of Concern Data					
DATE	Benzene	Chloromethane	Naphthalene	Tetrachloroethene	Trichloroethene	Methylene Chloride
07/01/08	0.0000624U	0.000249U	0.000245U	0.000200U	0.000164U	0.0000765U
12/11/08	0.0000649U	0.000101U	0.000118U	0.000153U	0.000118U	0.0000959U
05/08/09	0.0000747U	0.000116U	0.000101U	0.0000998U	0.0000974U	0.000142U
09/24/09	0.0000747U	0.000116U	0.000101U	0.0000998U	0.0000974U	0.000142U
03/18/10	0.0000542U	0.0000886U	0.0000817U	0.000121U	0.0000618U	0.000327U
09/08/10	0.0000542U	0.0000886U	0.0000817U	0.000121U	0.0000618U	0.000327U



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

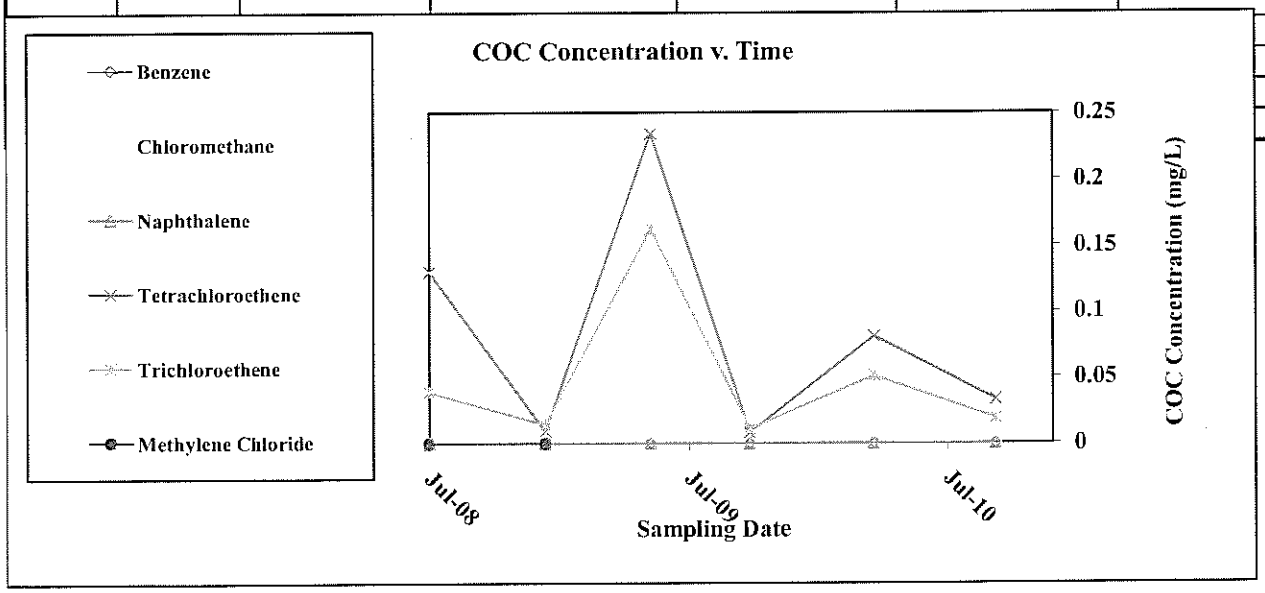
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID OMS-28-5

	Historical Chemicals of Concern Data					
DATE	Benzene	Chloromethane	Naphthalene	Tetrachloroethene	Trichloroethene	Methylene Chloride
07/01/08	0.0000624U	0.000249U	0.000245U	0.13	0.039	0.0000765U
12/11/08	0.0000649U	0.000101U	0.000118U	0.0092	0.014	0.0000959U
05/08/09	0.0000747U	0.000116U	0.000245U	0.234	0.162	0.000142U
09/24/09	0.0000747U	0.000116U	0.000101U	0.00802	0.011	0.000142U
03/18/10	0.0000542U	0.0000886U	0.0000817U	0.081	0.051	0.000327U
09/08/10	0.0000542U	0.0000886U	0.0000817U	0.033	0.019	0.000327U



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

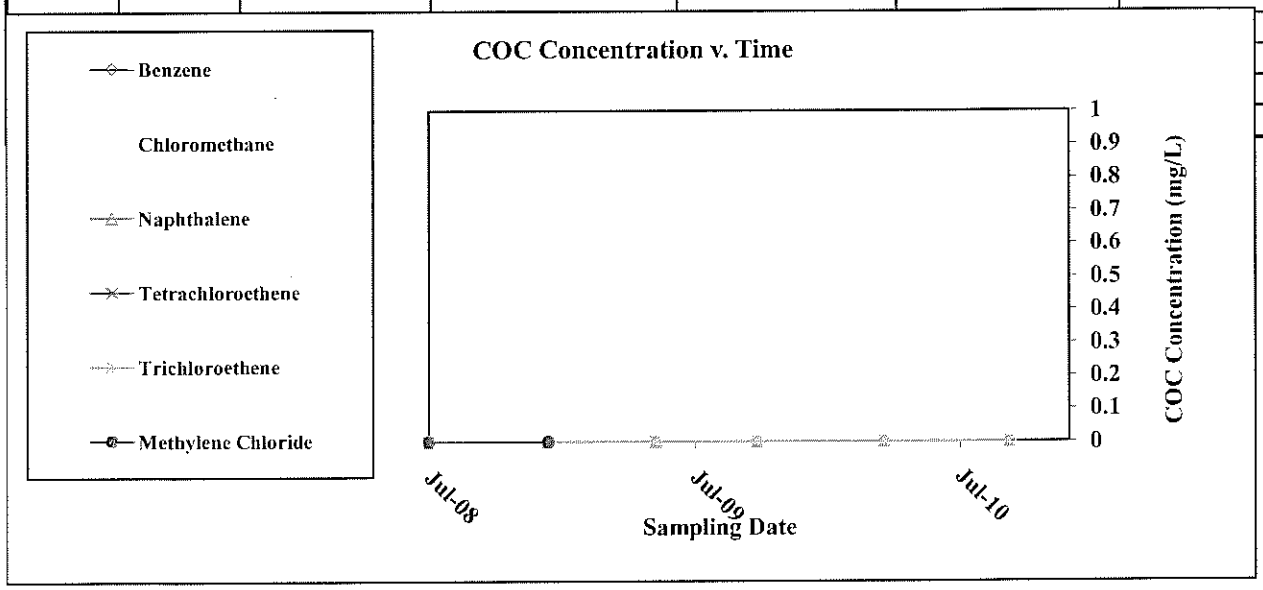
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID OMS-28-6

	Historical Chemicals of Concern Data					
DATE	Benzene	Chloromethane	Naphthalene	Tetrachloroethene	Trichloroethene	Methylene Chloride
07/01/08	0.0000624U	0.000249U	0.000245U	0.000200U	0.000164U	0.0000765U
12/11/08	0.0000649U	0.000101U	0.000118U	0.000153U	0.000118U	0.0000959U
05/08/09	0.0000747U	0.000116U	0.000101U	0.0000998U	0.0000974U	0.000142U
09/24/09	0.0000747U	0.000116U	0.000101U	0.0000998U	0.0000974U	0.000142U
03/18/10	0.0000542U	0.0000886U	0.0000817U	0.000121U	0.0000618U	0.000327U
09/08/10	0.0000542U	0.0000886U	0.0000817U	0.000121U	0.0000618U	0.000327U



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

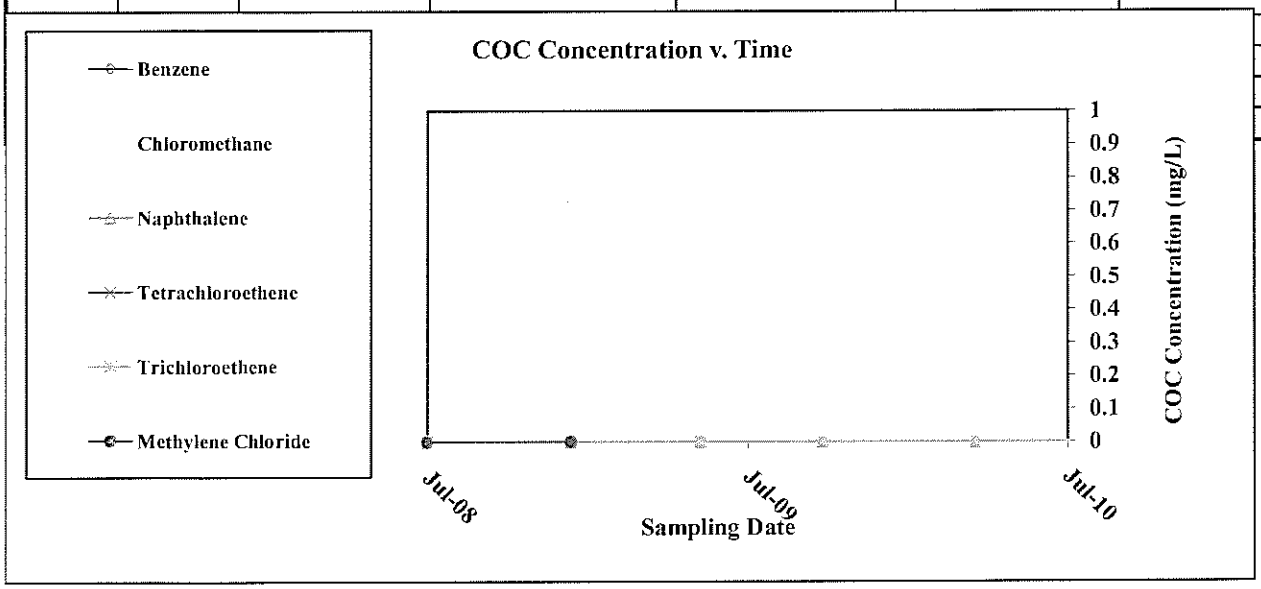
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/L)

Well ID OMS-28-7

	Historical Chemicals of Concern Data					
DATE	Benzene	Chloromethane	Naphthalene	Tetrachloroethene	Trichloroethene	Methylene Chloride
07/01/08	0.0000624U	0.000249U	0.000245U	0.000200U	0.00173J	0.0000765U
12/11/08	0.0000649U	0.000101U	0.00428J	0.000153U	0.000118U	0.0000959U
05/08/09	0.0000747U	0.000116U	0.000101U	0.0000998U	0.000684J	0.000142U
09/24/09	0.0000747U	0.000116U	0.000101U	0.0000998U	0.000974U	0.000142U
03/18/10	0.0000542U	0.0000886U	0.0000817U	0.000121U	0.0000618U	0.000327U
09/08/10	0.0000542U	0.0000886U	0.0000817U	0.000121U	0.0000618U	0.000327U



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL GROUNDWATER COC DATA.

NATURAL ATTENUATION MONITORING REPORT

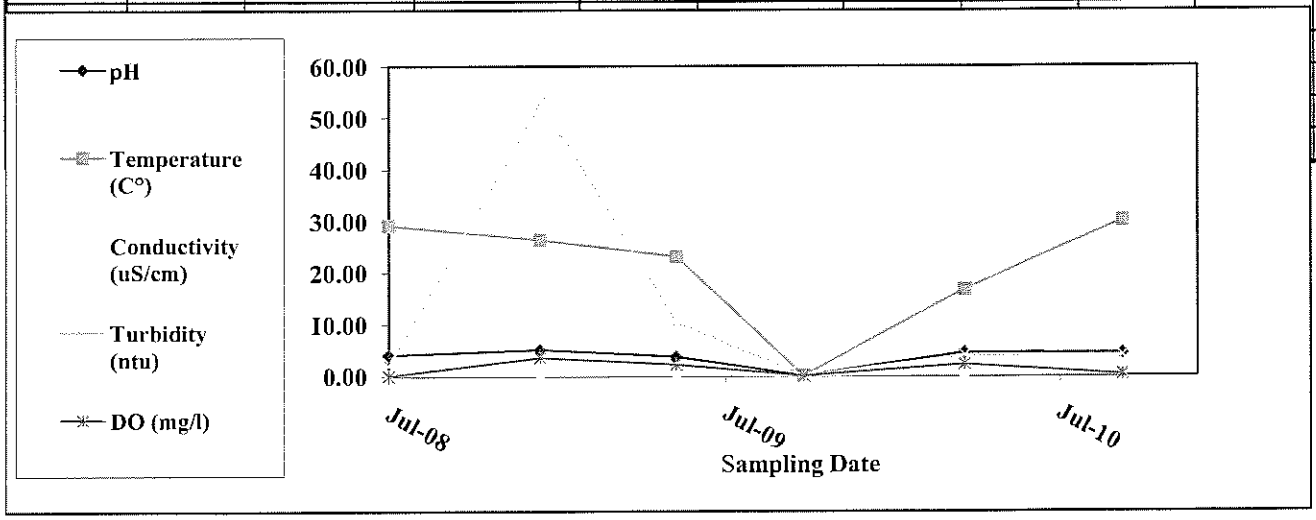
Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID MW-5

Historical Intrinsic Groundwater Data

DATE	pH	Temperature (C°)	Conductivity (uS/cm)	Turbidity (ntu)	DO (mg/l)
07/01/08	4.1	29.2	0.153	2	NM
12/11/08	5.1	26.4	0.106	53	3.56
05/08/09	3.7	23.2	0.179	10	2.20
09/24/09	NA	NA	NA	NA	NA
03/18/10	4.5	16.8	0.255	4	2.24
09/07/10	4.4	30.1	0.250	4	0.31



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL RELEVANT INTRINSIC GROUNDWATER DATA.

NATURAL ATTENUATION MONITORING REPORT

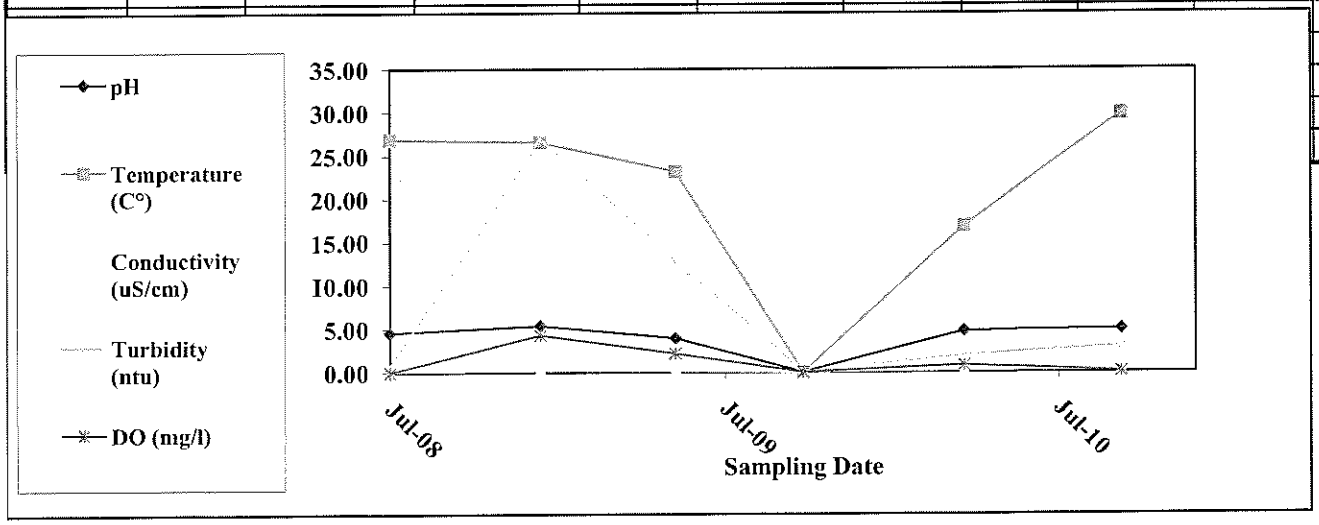
Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID MW-6

Historical Intrinsic Groundwater Data

DATE	pH	Temperature (C°)	Conductivity (uS/cm)	Turbidity (ntu)	DO (mg/l)
07/01/08	4.6	26.9	0.112	1	NM
12/11/08	5.4	26.6	0.284	27	4.33
05/08/09	4.0	23.2	0.180	13	2.20
09/24/09	NA	NA	NA	NA	NA
03/18/10	4.8	16.9	0.232	2	0.80
09/07/10	5.0	29.8	0.156	3	0.08



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL RELEVANT INTRINSIC GROUNDWATER DATA.

NATURAL ATTENUATION MONITORING REPORT

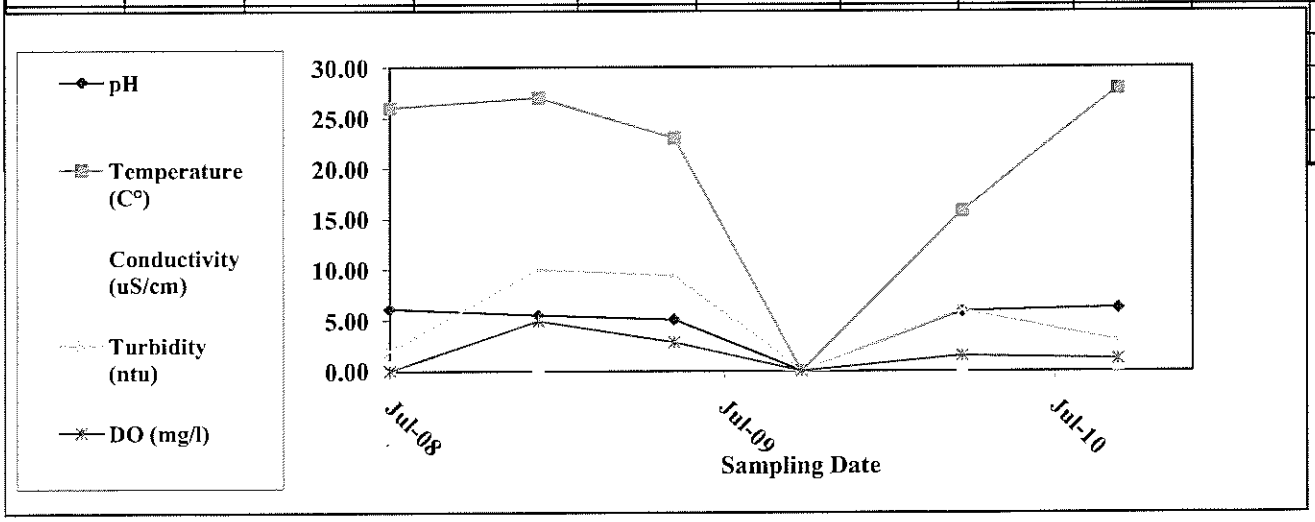
Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID MW-8

Historical Intrinsic Groundwater Data

DATE	pH	Temperature (C°)	Conductivity (uS/cm)	Turbidity (ntu)	DO (mg/l)
07/01/08	6.1	26.0	0.477	2	NM
12/11/08	5.5	27.0	0.437	10	4.93
05/08/09	5.1	23.0	0.777	9	2.82
09/24/09	NA	NA	NA	NA	NA
03/19/10	5.9	15.8	0.499	6	1.49
09/08/10	6.2	27.9	0.544	3	1.17



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL RELEVANT INTRINSIC GROUNDWATER DATA.

NATURAL ATTENUATION MONITORING REPORT

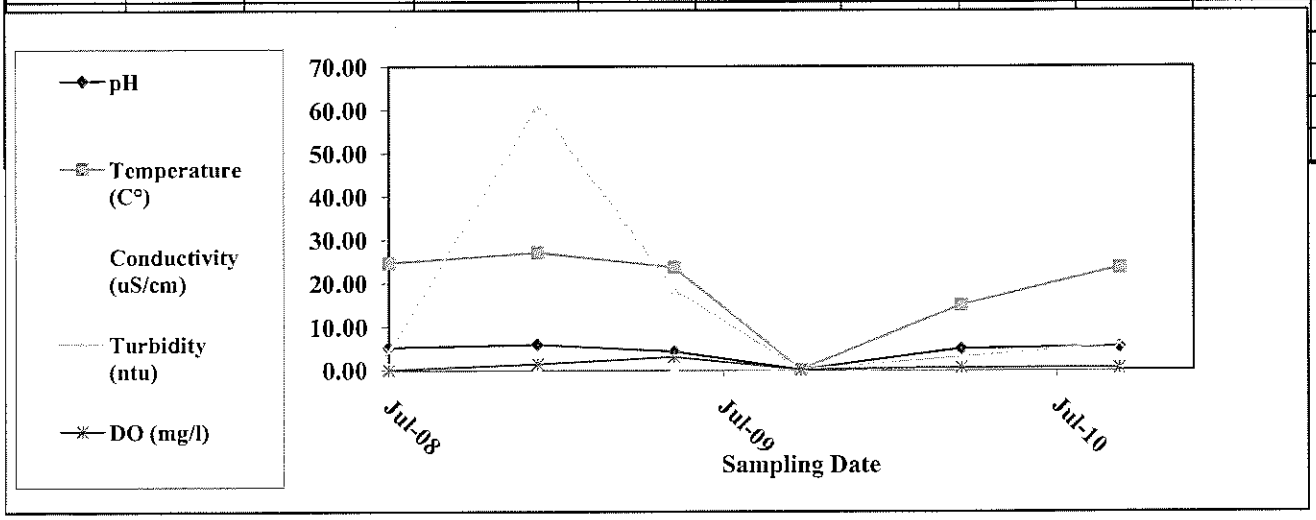
Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID MW-9

Historical Intrinsic Groundwater Data

DATE	pH	Temperature (C°)	Conductivity (uS/cm)	Turbidity (ntu)	DO (mg/l)
07/01/08	5.2	24.7	0.125	4	NM
12/10/08	5.9	27.1	0.198	61	1.34
05/08/09	4.3	23.7	0.131	18	2.98
09/24/09	NA	NA	NA	NA	NA
03/18/10	4.9	15.0	0.155	3	0.53
09/08/10	5.3	23.6	0.123	6	0.42



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL RELEVANT INTRINSIC GROUNDWATER DATA.

NATURAL ATTENUATION MONITORING REPORT

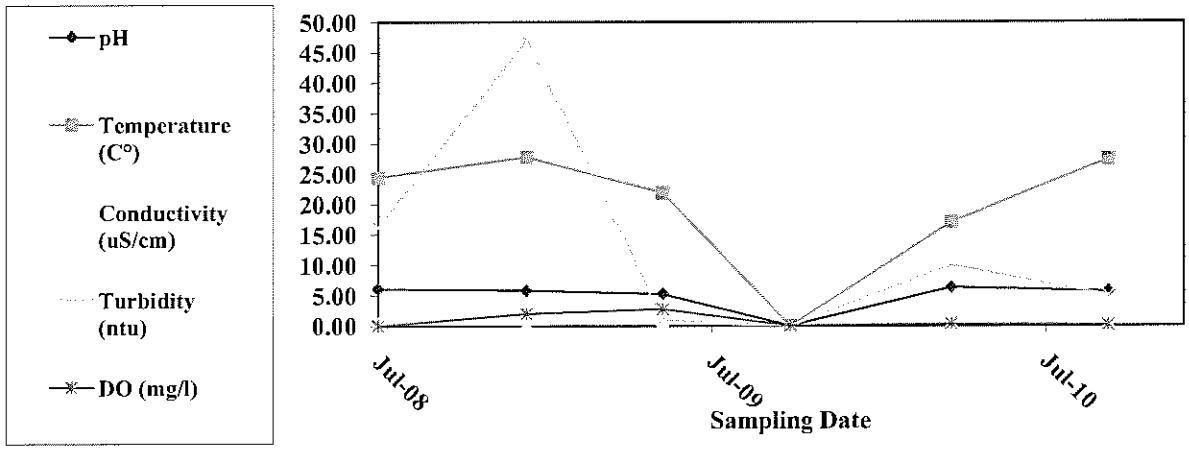
Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID MW-12

Historical Intrinsic Groundwater Data

DATE	pH	Temperature (C°)	Conductivity (uS/cm)	Turbidity (ntu)	DO (mg/l)
07/01/08	6.1	24.4	0.439	16	NM
12/10/08	5.8	27.8	0.232	47	1.97
05/08/09	5.3	21.9	0.528	1	2.75
09/24/09	NA	NA	NA	NA	NA
03/18/10	6.3	17.1	0.515	10	0.31
09/07/10	5.6	27.4	0.433	5	0.10



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL RELEVANT INTRINSIC GROUNDWATER DATA.

NATURAL ATTENUATION MONITORING REPORT

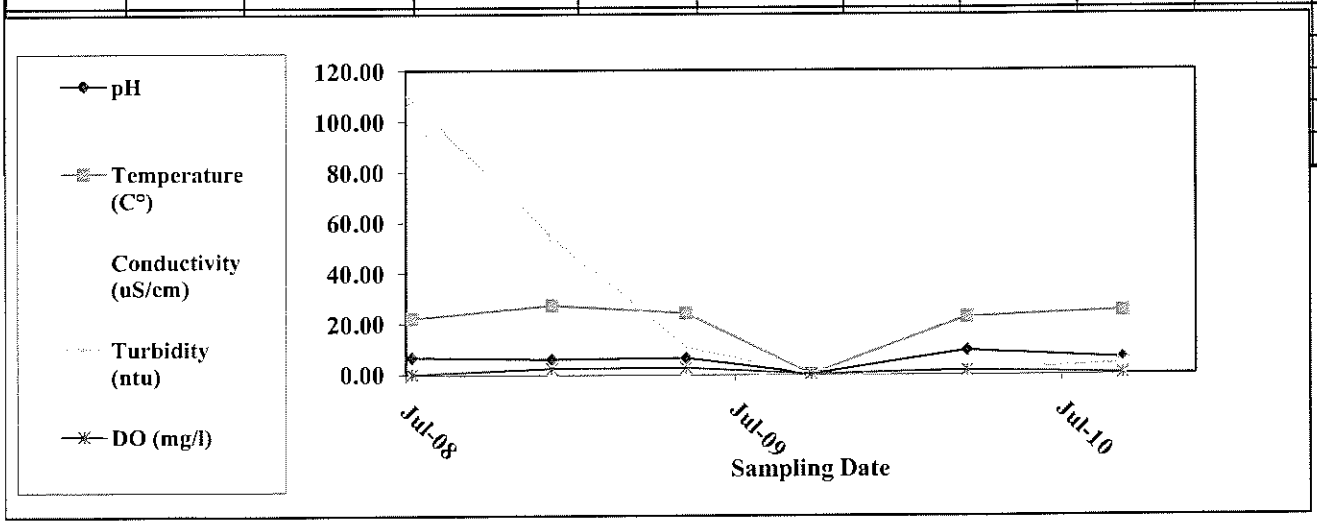
Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID OMS-28-1

Historical Intrinsic Groundwater Data

DATE	pH	Temperature (C°)	Conductivity (uS/cm)	Turbidity (ntu)	DO (mg/l)
07/08/08	6.6	22.1	0.110	108	NM
12/11/08	5.8	27.2	0.211	54	2.12
05/08/09	6.3	24.0	0.121	10	2.41
09/24/09	NA	NA	NA	NA	NA
03/18/10	9.2	22.5	0.105	1	1.40
09/07/10	6.1	24.8	0.128	4	0.20



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL RELEVANT INTRINSIC GROUNDWATER DATA.

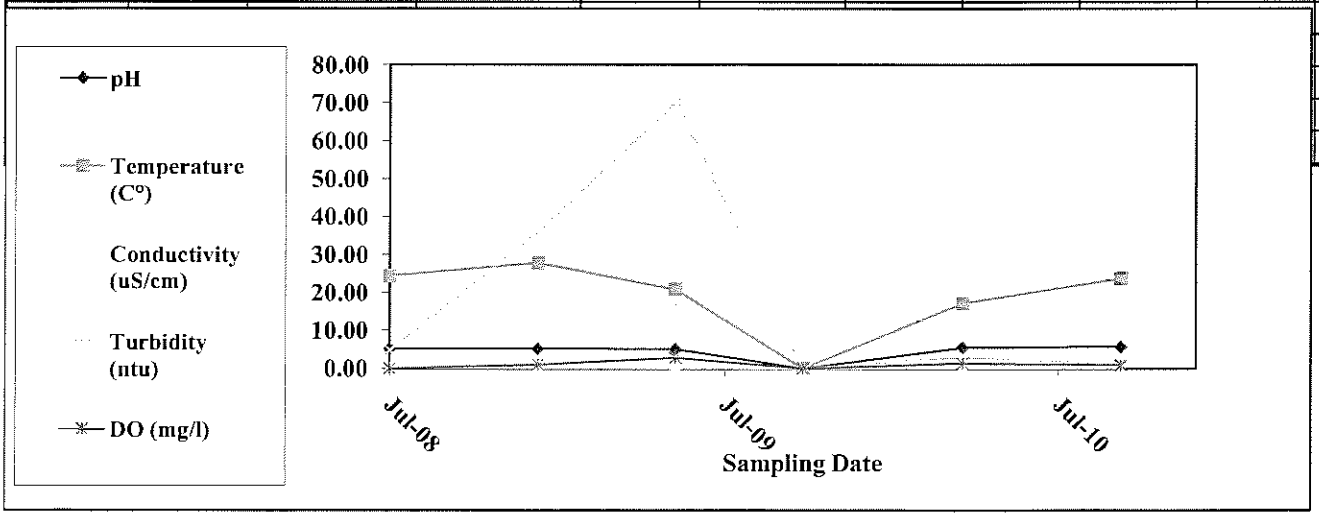
NATURAL ATTENUATION MONITORING REPORT

Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID OMS-28-2

	Historical Intrinsic Groundwater Data									
DATE	pH	Temperature (C°)	Conductivity (uS/cm)	Turbidity (ntu)	DO (mg/l)					
07/01/08	5.2	24.4	0.123	5	NM					
12/10/08	5.2	27.8	0.118	36	0.98					
05/08/09	5.1	20.9	0.139	70	2.79					
09/24/09	NA	NA	NA	NA	NA					
03/18/10	5.5	17.2	0.162	3	1.35					
09/07/10	5.7	23.7	0.145	1	0.83					



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL RELEVANT INTRINSIC GROUNDWATER DATA.

NATURAL ATTENUATION MONITORING REPORT

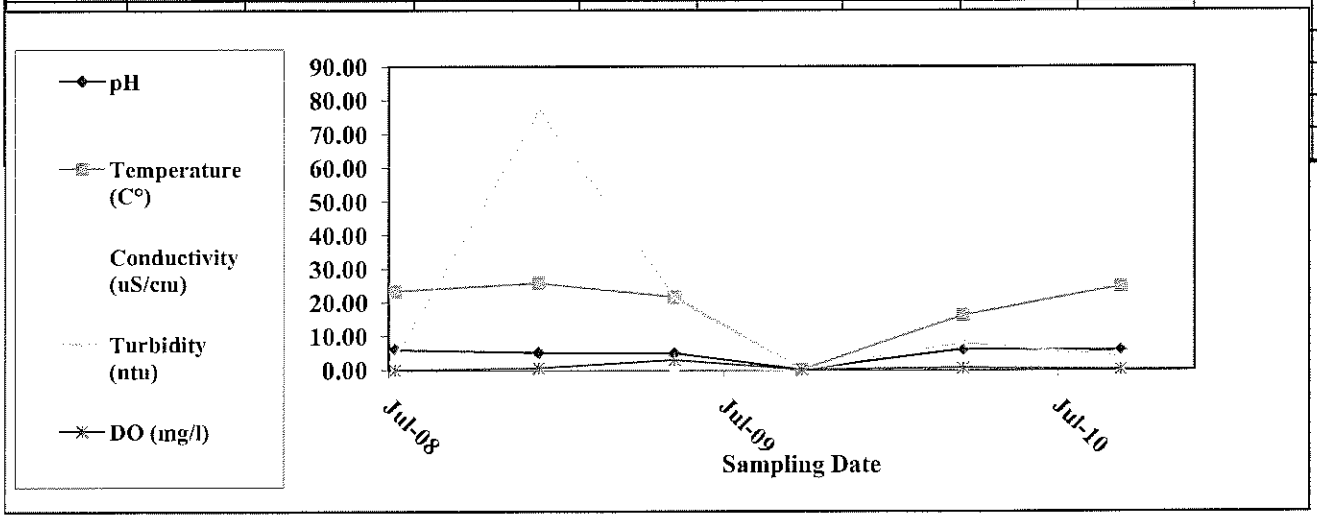
Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID OMS-28-3

Historical Intrinsic Groundwater Data

DATE	pH	Temperature (C°)	Conductivity (uS/cm)	Turbidity (ntu)	DO (mg/l)
07/08/08	6.0	23.4	0.311	4	NM
12/11/08	5.1	25.8	0.241	77	0.54
05/08/09	4.9	21.6	0.308	21	2.92
09/24/09	NA	NA	NA	NA	NA
03/19/10	6.2	16.2	0.352	8	0.59
09/08/10	5.7	24.8	0.293	4	0.11



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL RELEVANT INTRINSIC GROUNDWATER DATA.

NATURAL ATTENUATION MONITORING REPORT

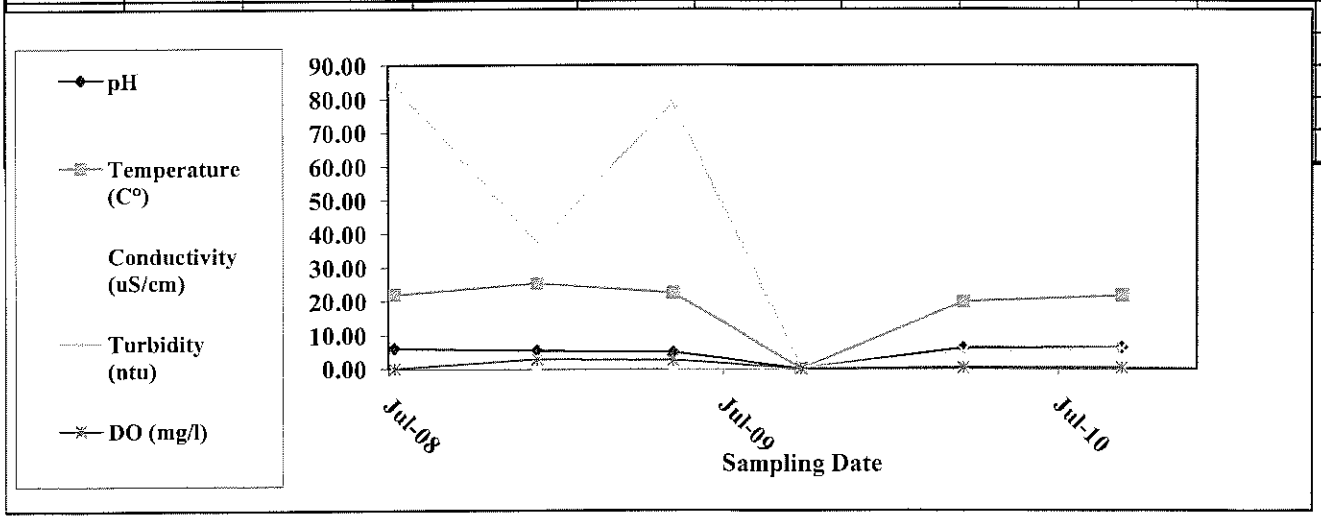
Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID OMS-28-4

Historical Intrinsic Groundwater Data

DATE	pH	Temperature (C°)	Conductivity (uS/cm)	Turbidity (ntu)	DO (mg/l)
07/08/08	6.1	22.0	0.130	84	NM
12/10/08	5.4	25.3	0.222	37	2.74
05/08/09	4.8	22.5	0.101	79	2.43
09/24/09	NA	NA	NA	NA	NA
03/19/10	6.1	19.9	0.141	5	0.26
09/08/10	6.3	21.7	0.125	6	0.29



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL RELEVANT INTRINSIC GROUNDWATER DATA.

NATURAL ATTENUATION MONITORING REPORT

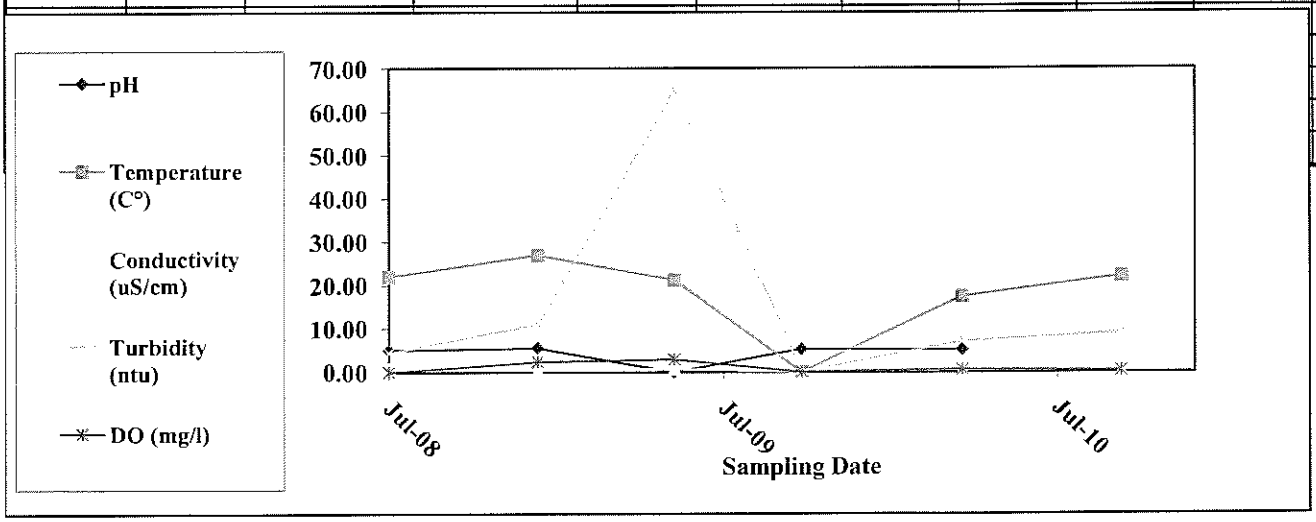
Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID OMS-28-5

Historical Intrinsic Groundwater Data

DATE	pH	Temperature (C°)	Conductivity (uS/cm)	Turbidity (ntu)	DO (mg/l)
07/01/08	5.0	22.0	0.880	4	NM
12/11/08	5.5	27.0	0.386	11	2.30
05/08/09	4.2	21.2	0.697	65	2.88
09/24/09	NA	NA	NA	NA	NA
03/19/10	5.2	17.4	0.485	7	0.61
09/08/10	5.1	22.1	0.239	9	0.25



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL RELEVANT INTRINSIC GROUNDWATER DATA.

NATURAL ATTENUATION MONITORING REPORT

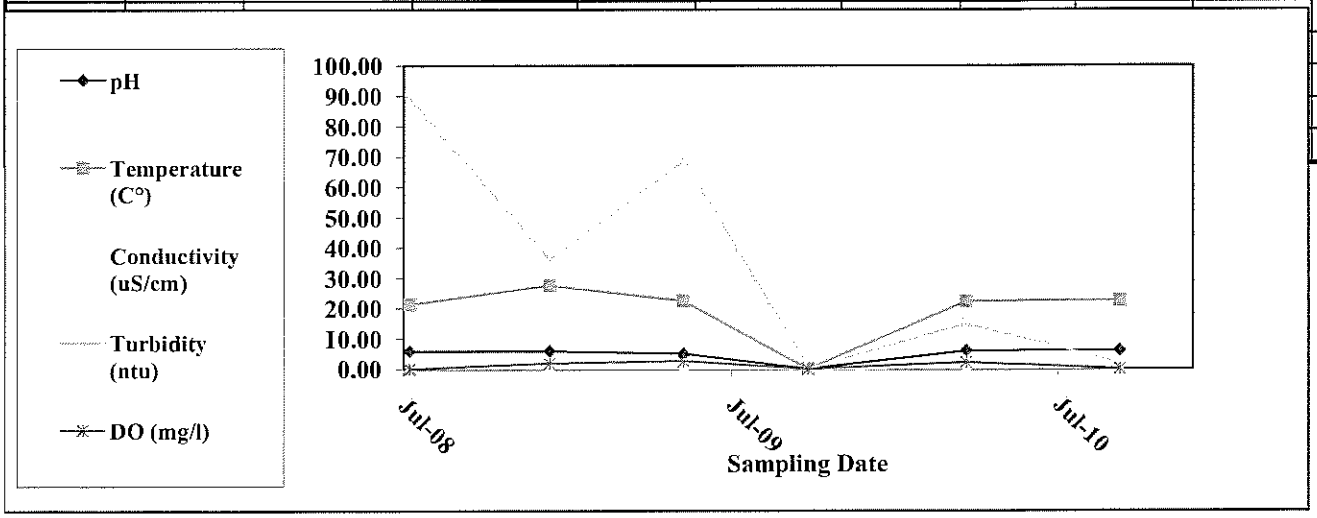
Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID OMS-28-6

Historical Intrinsic Groundwater Data

DATE	pH	Temperature (C°)	Conductivity (uS/cm)	Turbidity (ntu)	DO (mg/l)
07/08/08	5.9	21.4	0.130	89	NM
12/10/08	6.0	27.6	0.214	36	1.88
05/08/09	5.1	22.5	0.127	69	2.59
09/24/09	NA	NA	NA	NA	NA
03/18/10	6.1	22.4	0.163	15	2.23
09/08/10	6.2	22.7	0.133	2	0.04



ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL RELEVANT INTRINSIC GROUNDWATER DATA.

NATURAL ATTENUATION MONITORING REPORT

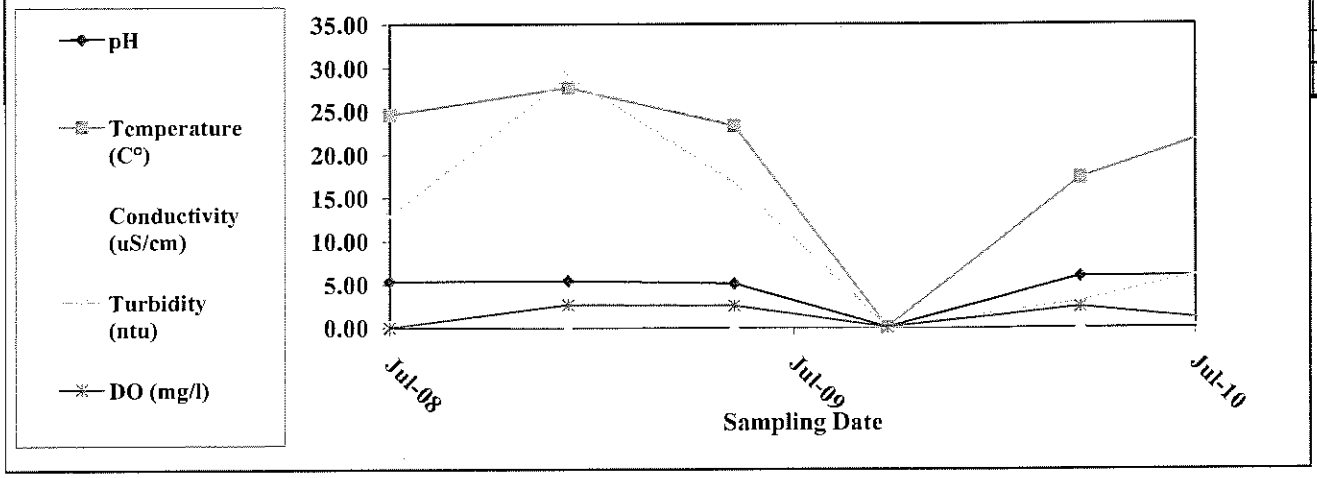
Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 7 - Historical Monitoring Well Intrinsic Groundwater Data

Well ID OMS-28-7

Historical Intrinsic Groundwater Data

DATE	pH	Temperature (C°)	Conductivity (uS/cm)	Turbidity (ntu)	DO (mg/l)
07/01/08	5.3	24.6	0.214	13	NM
12/10/08	5.4	27.7	0.099	29	2.63
05/08/09	5.1	23.3	0.225	17	2.52
09/24/09	NA	NA	NA	NA	NA
03/18/10	5.9	17.3	0.237	3	2.38
09/08/10	6.0	24.6	0.225	8	0.24



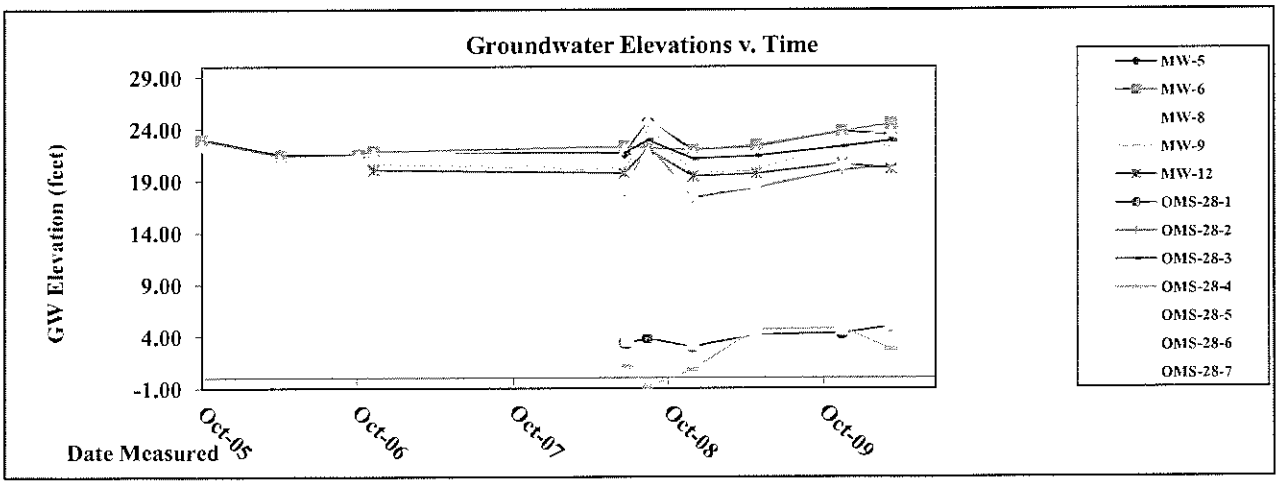
ATTACH SITE MAPS FOR THE THREE (3) MOST RECENT MONITORING EVENTS ILLUSTRATING THE DISTRIBUTION OF ALL RELEVANT INTRINSIC GROUNDWATER DATA.

NATURAL ATTENUATION MONITORING REPORT

Facility Name:	USACE OMS-28	Year:	2010
Facility I. D. No.:	NA	Quarter:	2nd biannual
Incident No.:	GW 07-01-02	Reporting Period:	07/01/10 - 12/31/10
Consulting Firm:	Aerostar, Inc.	Project Manager:	Geoff Reichold, P.G.

Section 8 - Groundwater Elevation Data

DATE	Well ID/Corrected Groundwater Elevation (feet)											
	MW-5	MW-6	MW-8	MW-9	MW-12	OMS-28-1	OMS-28-2	OMS-28-3	OMS-28-4	OMS-28-5	OMS-28-6	OMS-28-7
10/13/05	23.04	22.93	22.40									
04/18/06	21.54	21.39	21.04									
10/18/06	21.54	21.45	21.44									
11/22/06	21.83	21.82	21.66	20.59	20.04							
07/01/08	21.67	22.31	22.04	20.05	19.74	3.40	17.97	21.65	--	18.22	--	18.35
07/08/08	--	--	--	--	--	3.36	--	--	1.14	--	3.61	--
08/25/08	24.79	--	24.89	24.04	22.06	3.81	22.57	22.92	-0.90	21.33	4.80	21.74
12/10/08	21.99	21.96	21.57	19.64	19.42	2.97	17.33	21.10	0.80	17.68	3.24	17.67
05/08/09	22.31	22.38	21.72	19.99	19.69	4.16	18.32	21.38	4.68	18.52	4.23	18.38
11/24/09	23.74	23.75	23.19	22.49	20.64	4.26	20.01	22.27	4.79	20.50	4.64	20.66
03/18/10	23.42	24.49	23.73	22.36	20.14	4.96	20.39	22.85	2.78	21.00	5.10	21.24
09/08/10	23.78	22.80	23.14	17.05	20.98	4.10	19.49	22.32	1.96	19.37	4.21	19.35



ATTACH THE THREE (3) MOST RECENT GROUNDWATER ELEVATION MAPS INDICATING THE DIRECTION OF GROUNDWATER FLOW. THE GROUNDWATER ELEVATION DATA MUST ALSO BE PRESENTED IN TABULAR FORM AND CORRECTED FOR FREE PRODUCT, IF PRESENT.

TABLES

TABLE 1

ANALYTICAL DATA SUMMARY OF SURFICIAL
AND SUBSURFACE SOILS WITH COMPARISON
TO ADEM PSVS

TABLES PROVIDED BY AEROSTAR

Table 2
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)					SAMPLE LOCATIONS											
Chemical of Concern	**CAS Number**	**Units**	**Residential Soil**	**Commercial Soil**	OMS-28-1 (0-5) 06/06/08	OMS-28-1 (5-10) 06/06/08	OMS-28-1 (10-15) 06/06/08	OMS-28-1 (65-70) 06/06/08	OMS-28-2 (0-5) 03/27/08	OMS-28-2 (5-10) 03/27/08	OMS-28-2 (15-20) 03/27/08	OMS-28-3 (0-5) 03/26/08	OMS-28-3 (5-10) 03/26/08	OMS-28-3 (10-15) 03/26/08	OMS-28-4 (0-5) 03/27/08	OMS-28-4 (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	0.0000435U	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	**0.00485J**	**0.016**	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	**0.031**	**0.103**	**0.030J**	**0.011J**	**0.013J**	**0.021J**	**0.00616J**	**0.013J**	**0.094**	**0.062**	**0.025J**	**0.012J**
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	**0.012**	**0.033**	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	**0.00395J**	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
Cyclohexane	110-82-7	mg/Kg	140[a]	30,000[a]	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	0.0000933U	0.000121U	0.000168U	0.000148U	0.000156U	0.000192U	0.000163U	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
cis-1,3-Dichloropropene	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
trans-1,3-Dichloropropene	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	**0.000265**	0.000327U	0.000277U	0.000202U	0.000338U	0.000296U	0.000204U	0.000227U
Methyl Acetate	79-20-9	mg/Kg	22000[a]	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
Methylcyclohexane	108-87-2	mg/Kg	2600[a]	14000[a]	0.000384U	0.000496U	0.000693U	0.000608U	0.000641U	0.000790U	**0.000671**	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	**0.017**	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	***0.211J***	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
Trichlorotrifluoroethane	76-13-1	mg/Kg	43000[a]	180000[a]	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
cis-1,2-Dichloroethene	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	0.00912J	0.000168U	0.000187U
tert-Butl methyl ether (MTBE)	1634-04-4	mg/Kg	32	70	0.0000767U	0.0000992U	0.000139U	0.000122U	0.000128U	0.000158U	0.000134U	0.0000975U	0.000164U	0.000143U	0.000985U	0.000110U
trans-1,2-Dichloroethene	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.
[a] – 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 2
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)					SAMPLE LOCATIONS													
Chemical of Concern	**CAS Number**	**Units**	**Residential Soil**	**Commercial Soil**	OMS-28-4 (10-15) 03/27/08	OMS-28-4 (70-75) 03/27/08	OMS-28-5 (0-5) 03/27/08	OMS-28-5 (5-10) 03/27/08	OMS-28-5 (15-20) 03/27/08	OMS-28-6 (0-5) 03/28/08	OMS-28-6 (5-10) 03/28/08	OMS-28-6 (10-15) 03/28/08	OMS-28-6 (70-75) 03/28/08	OMS-28-7 (0-5) 03/26/08	OMS-28-7 (5-10) 03/26/08	OMS-28-7 (15-20) 03/26/08	DUP 1 [OMS-28-2 (0-5) 03/27/08]	DUP 2 [OMS-28-5 (0-5) 03/27/08]
1,1,1-Trichloroethane	71-55-6	mg/Kg	1200	1200	0.000232U	0.000152U	0.000230U	0.000215U	0.000217U	0.000180U	0.000142U	0.000167U	0.000126U	0.000175U	0.000199U	0.000177U	0.000178U	0.000193U
1,1,2,2-Tetrachloroethane	79-34-5	mg/Kg	0.41	0.93	0.000340U	0.000222U	0.000337U	0.000315U	0.000318U	0.000263U	0.000208U	0.000245U	0.000184U	0.000256U	0.000291U	0.000260U	0.000260U	0.000283U
1,1,2-Trichloroethane	79-00-5	mg/Kg	0.73	1.6	0.000215U	0.000141U	0.000213U	0.000199U	0.000201U	0.000167U	0.000132U	0.000155U	0.000117U	0.000162U	0.000184U	0.000164U	0.000165U	0.000179U
1,1-Dichloroethane	75-34-3	mg/Kg	51	170	0.000301U	0.000196U	0.000297U	0.000278U	0.000281U	0.000233U	0.000183U	0.000217U	0.000163U	0.000226U	0.000257U	0.000229U	0.000230U	0.000250U
1,1-Dichloroethene	75-35-4	mg/Kg	12	41	0.000679U	0.000443U	0.000671U	0.000628U	0.000634U	0.000525U	0.000414U	0.000489U	0.000367U	0.000510U	0.000580U	0.000518U	0.000519U	0.000265U
1,2,4-Trichlorobenzene	120-82-1	mg/Kg	6.2	22	0.000618U	0.000403U	0.000612U	0.000572U	0.000578U	0.000479U	0.000377U	0.000445U	0.000334U	0.000465U	0.000529U	0.000472U	0.000473U	0.000514U
1,2-Dibromo-3-chloropropane	96-12-8	mg/Kg	0.46	2	0.00164U	0.00107U	0.00162U	0.00152U	0.000153U	0.00127U	0.000999U	0.00118U	0.000885U	0.00123U	0.00140U	0.00125U	0.00125U	0.00136U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	mg/Kg	0.032	0.073	0.000284U	0.000185U	0.000281U	0.000262U	0.000265U	0.000220U	0.000173U	0.000204U	0.000153U	0.000213U	0.000243U	0.000216U	0.000217U	0.000236U
1,2-Dichlorobenzene	95-50-1	mg/Kg	600	600	0.000215U	0.000141U	0.000213U	0.000199U	0.000201U	0.000167U	0.000132U	0.000155U	0.000117U	0.000162U	0.000184U	0.000164U	0.000165U	0.000179U
1,2-Dichloroethane (EDC)	107-06-2	mg/Kg	0.28	0.60	0.000215U	0.000141U	0.000213U	0.000199U	0.000201U	0.000167U	0.000132U	0.000155U	0.000117U	0.000162U	0.000184U	0.000164U	0.000165U	0.000179U
1,2-Dichloropropane	78-87-5	mg/Kg	0.34	0.74	0.000212U	0.000138U	0.000209U	0.000196U	0.000198U	0.000164U	0.000129U	0.000153U	0.000115U	0.000159U	0.000181U	0.000162U	0.000162U	0.000176U
1,3-Dichlorobenzene	541-73-1	mg/Kg	53	600	0.000446U	0.000291U	0.000441U	0.000413U	0.000417U	0.000345U	0.000272U	0.000321U	0.000241U	0.000336U	0.000382U	0.000340U	0.000341U	0.000371U
1,4-Dichlorobenzene	106-46-7	mg/Kg	3.4	7.9	0.000796U	0.000519U	0.000787U	0.000737U	0.000744U	0.000616U	0.000486U	0.000573U	0.000430U	0.000599U	0.000681U	0.000607U	0.000609U	0.000662U
2-Butanone	78-93-3	mg/Kg	2200	11000	0.000590U	0.000385U	0.000584U	0.000546U	0.000551U	0.000457U	0.000360U	0.000425U	0.000319U	0.000444U	0.000504U	0.000450U	0.000451U	0.000491U
2-Hexanone (Methyl n-Butyl ketone)	591-78-6	mg/Kg	NE	NE	0.00156U	0.00102U	0.00154U	0.00145U	0.00146U	0.00121U	0.000953U	0.00112U	0.000845U	0.00117U	0.00134U	0.00119U	0.00119U	0.00130U
4-Methyl-2-pentanone (Hexone)	108-10-1	mg/Kg	530	4700	0.000327U	0.000213U	0.000324U	0.000303U	0.000306U	0.000253U	0.000200U	0.000236U	0.000177U	0.000246U	0.000280U	0.000250U	0.000250U	0.000272U
Acetone	67-64-1	mg/Kg	1400	5400	**0.028J**	**0.010J**	**0.013J**	**0.015J**	**0.031J**	**0.00625J**	**0.000431U**	**0.037**	**0.00505J**	**0.029J**	**0.012J**	**0.00722J**	**0.00932J**	**0.012J**
Benzene	71-43-2	mg/Kg	0.64	1.4	0.000197U	0.000128U	0.000195U	0.000182U	0.000184U	0.000152U	0.000120U	0.000142U	0.000106U	0.000148U	0.000168U	0.000150U	0.000150U	0.000164U
Bromodichloromethane	75-27-4	mg/Kg	0.82	1.8	0.000255U	0.000166U	0.000252U	0.000236U	0.000238U	0.000198U	0.000156U	0.000184U	0.000138U	0.000192U	0.000218U	0.000195U	0.000195U	0.000212U
Bromoform	75-25-2	mg/Kg	62	220	0.000319U	0.000208U	0.000316U	0.000296U	0.000298U	0.000247U	0.000195U	0.000230U	0.000173U	0.000240U	0.000273U	0.000244U	0.000244U	0.000266U
Bromomethane	74-83-9	mg/Kg	0.39	1.3	0.00284U	0.00186U	0.00281U	0.00263U	0.00266U	0.00220U	0.00174U	0.00205U	0.000154U	0.00214U	0.00243U	0.00217U	0.00218U	0.00237U
Carbon Disulfide	75-15-0	mg/Kg	36	720	0.000206U	0.000134U	0.000204U	0.000191U	0.000193U	0.000160U	0.000126U	**0.00342J**	0.000111U	0.000155U	0.000176U	0.000157U	0.000158U	0.000171U
Carbon Tetrachloride	56-23-5	mg/Kg	0.25	0.55	0.000227U	0.000148U	0.000224U	0.000210U	0.000212U	0.000178U	0.000138U	0.000163U	0.000123U	0.000171U	0.000194U	0.000173U	0.000174U	0.000189U
Chlorobenzene	108-90-7	mg/Kg	15	53	0.000312U	0.000203U	0.000309U	0.000289U	0.000291U	0.000241U	0.000190U	0.000225U	0.000169U	0.000235U	0.000267U	0.000238U	0.000239U	0.000260U
Chloroethane	75-00-3	mg/Kg	3	6.5	0.00115U	0.000747U	0.00113U	0.00106U	0.00107U	0.000887U	0.000699U	0.000825U	0.000620U	0.000862U	0.000980U	0.000874U	0.000877U	0.000953U
Chloroform	67-66-3	mg/Kg	0.22	0.47	0.000267U	0.000174U	0.000264U	0.000247U	0.000249U	0.000206U	0.000163U	0.000192U	0.000144U	0.000201U	0.000228U	0.000203U	0.000204U	0000222U
Chloromethane (Methyl chloride)	74-87-3	mg/Kg	47	160	0.000877U	0.000572U	0.000868U	0.000812U	0.000820U	0.000679U	0.000535U	0.000632U	0.000474U	0.000660U	0.000750U	0.000669U	0.000671U	0.000730U
Cyclohexane	110-82-7	mg/Kg	140[a]	30,000[a]	0.00209U	0.00136U	0.00207U	0.00193U	0.00195U	0.00162U	0.00128U	0.00151U	0.001130U	0.00157U	0.00179U	0.00160U	0.00160U	0.00174U
Dibromochloromethane	124-48-1	mg/Kg	1.1	2.6	0.000170U	0.000111U	0.000168U	0.000157U	0.000159U	0.000132U	0.000104U	0.000123U	0.0000920U	0.000128U	0.000146U	0.000130U	0.000130U	0.000142U
Dichlorodifluoromethane	75-71-8	mg/Kg	9.4	31	0.000688U	0.000449U	0.000681U	0.000637U	0.000643U	0.000533U	0.000420U	0.000496U	0.000372U	0.000518U	0.000589U	0.000525U	0.000527U	0.000573U
cis-1,3-Dichloropropene	10061-01-5	mg/Kg	NE	NE	0.000217U	.0.000142U	0.000215U	0.000201U	0.000203U	0.000168U	0.000133U	0.000157U	0.000118U	0.000164U	0.000186U	0.000166U	0.000166U	0.000181U
trans-1,3-Dichloropropene	10061-02-6	mg/Kg	NE	NE	0.000267U	0.000174U	0.000264U	0.000247U	0.000249U	0.000206U	0.000163U	0.000192U	0.000144U	0.000201U	0.000228U	0.000203U	0.000204U	0.000222U
Ethylbenzene	100-41-4	mg/Kg	400	400	0.000391U	0.000255U	0.000387U	0.000362U	0.000366U	0.000303U	0.000239U	0.000282U	0.000212U	0.000294U	0.000335U	0.000299U	0.000299U	0.000326U
Isopropylbenzene (Cumene)	98-82-8	mg/Kg	57	200	0.000289U	0.000189U	0.000286U	0.000268U	0.000270U	0.000224U	0.000177U	0.000208U	0.000156U	0.000218U	0.000247U	0.000221U	0.000221U	0.000241U
Methyl Acetate	79-20-9	mg/Kg	22000[a]	NE	0.00289U	0.00189U	0.00286U	0.00268U	0.00270U	0.00224U	0.00176U	**0.022**	0.00156U	0.00217U	0.00247U	0.00221U	0.00221U	0.00240U
Methylcyclohexane	108-87-2	mg/Kg	2600[a]	14000[a]	0.000699U	0.000456U	0.000692U	0.000647U	0.000654U	0.000541U	0.000427U	0.000504U	0.000378U	0.000526U	0.000598U	0.000534U	0.000535U	0.000582U
Methylene Chloride (Dichloromethane)	75-09-2	mg/Kg	9.1	21	0.000905U	0.000591U	0.000896U	0.000838U	0.000846U	0.000701U	0.000553U	0.000652U	0.000490U	0.000681U	0.000775U	0.000691U	0.000693U	0.000753U
Naphthalene	91-20-3	mg/KG	5.6	19	0.000711U	0.000464U	0.000703U	0.000658U	0.000664U	0.000550U	0.000434U	0.000512U	0.000384U	0.000535U	0.000608U	0.000542U	0.000544U	0.000591U
Styrene	100-42-5	mg/Kg	1700	1700	0.000287U	0.000187U	0.000284U	0.000266U	0.000268U	0.000222U	0.000175U	0.000207U	0.000155U	0.000216U	0.000246U	0.000219U	0.000220U	0.000239U
Tetrachloroethene (PCE)	127-18-4	mg/Kg	0.48	1.3	0.000363U	0.000237U	0.000359U	0.000336U	0.000339U	0.000281U	0.000222U	0.000261U	0.000196U	0.000273U	0.000310U	0.000277U	0.000278U	0.000302U
Toluene	108-88-3	mg/Kg	520	520	0.00104U	0.000678U	0.00103U	0.000962U	0.000971U	0.000805U	0.000635U	0.000749U	0.000562U	0.000782U	0.000889U	0.000794U	0.000796U	0.000865U
Trichloroethene (TCE)	79-01-6	mg/Kg	0.053	0.11	**0.027**	0.000218U	0.000331U	0.000310U	**0.00783J**	0.000259U	***0.076***	***0.107J***	0.000181U	0.000252U	0.000286U	0.000255U	0.000256U	0.000278U
Trichlorofluoromethane	75-69-4	mg/Kg	39	200	0.000476U	0.000311U	0.000471U	0.000441U	000445U	0.000369U	**0.000291**	0.000343U	0.000258U	0.000358U	0.000407U	0.000364U	0.000365U	0.000396U
Trichlorotrifluoroethane	76-13-1	mg/Kg	43000[a]	180000[a]	0.000355U	0.000232U	0.000352U	0.000329U	0.000332U	0.000275U	0.000217U	0.000256U	0.000192U	0.000267U	0.000304U	0.000271U	0.000272U	0.000296U
Vinyl Chloride (child/adult & adult)	75-01-4	mg/Kg	0.079	0.75	0.000663U	0.000433U	0.000656U	0.000614U	0.000620U	0.000514U	0.000405U	0.000478U	0.000359U	0.000499U	0.000568U	0.000506U	0.000508U	0.000552U
Xylenes (Total)	1330-20-7	mg/Kg	27	420	0.00108U	0.000705U	0.00107U	0.00100U	0.00101U	0.000837U	0.000660U	0.00779U	0.000585U	0.000813U	0.000925U	0.000825U	0.000827U	0.000900U
cis-1,2-Dichloroethene	156-59-2	mg/Mk	4.3	15	**0.00546J**	0.000155U	0.000236U	0.000220U	**0.00643J**	0.000184U	0.000145U	**0.00709**	0.000129U	0.000179U	0.000204U	0.000182U	0.000182U	0.000198U
tert-Butl methyl ether (MTBE)	1634-04-4	mg/Kg	32	70	0.000140U	0.0000913U	0.000138U	0.000129U	0.000131U	0.000108U	0.0000854U	0.000101U	0.0000757U	0.000105U	0.000120U	0.000107U	0.000107U	0.000116U
trans-1,2-Dichloroethene	156-60-5	mg/Kg	6.9	23	0.000310U	0.000202U	0.000307U	0.000287U	0.000290U	0.000240U	0.000189U	0.000223U	0.000168U	0.000233U	0.000265U	0.000237U	0.000237U	0.000258U

Footnotes

- ARBCA Preliminary Screening Values (PSVs) for Residential/Commercial Soil, June 2007.
- Italicized contaminant – no ARBCA PSV available.
[a] – 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 Lev
- 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 2
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	**0.00404J**	0.000690U	0.000690U	0.000690U	**0.040J**	N/A
Benzene	71-43-2	mg/Kg	0.64	1.4	0.000186U	0.000184U	0.000184U	0.000184U	0.000271U	**0.055J**
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
Cyclohexane	110-82-7	mg/Kg	140[a]	30,000[a]	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
cis-1,3-Dichloropropene	10061-01-5	mg/Kg	NE	NE	0.000206U	0.0000648U	0.000648U	0.0000648U	0.000299U	N/A
trans-1,3-Dichloropropene	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
Methyl Acetate	79-20-9	mg/Kg	22000[a]	NE	0.00274U	0.000431U	0.000431U	0.000431U	0.00398U	N/A
Methylcyclohexane	108-87-2	mg/Kg	2600[a]	14000[a]	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	**0.000243J**	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
Trichlorotrifluoroethane	76-13-1	mg/Kg	43000[a]	180000[a]	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
cis-1,2-Dichloroethene	156-59-2	mg/Mk	4.3	15	0.000226U	0.000154U	0.000154U	0.000154U	0.000328U	N/A
tert-Butl methyl ether (MTBE)	1634-04-4	mg/Kg	32	70	0.000133U	0.000110U	0.000110U	0.000110U	0.000193U	N/A
trans-1,2-Dichloroethene	156-60-5	mg/Kg	6.9	23	0.000294U	0.000113U	**0.000113**	0.000113U	0.000427U	N/A

Footnotes

- ARBCA Preliminary Screening Values (PSVs) for Residential/Commercial Soil, June 2007.
- Italicized contaminant – no ARBCA PSV available.
[a] – 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 Lev
- 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 3
SOIL ANALYTICAL SUMMARY

Facility Name: Brookley Field

SAMPLE		EPA METHOD 8260B
BORING/ TEMPORARY WELL NO.	DATE	Trichloroethene (TCE)
HA-1 (0-1)	4/19/2006	0.00311 J
HA-1 (6-8)	4/19/2006	0.017
HA-2 (0-1)	4/19/2006	**0.241 J**
HA-2 (8-10)	4/19/2006	0.027
HA-3 (0-1)	4/19/2006	0.019 J
HA-3 (8-10)	4/19/2006	0.00353 J
HA-4 (0-1)	4/19/2006	<0.000249
HA-4 (7-9)	4/19/2006	<0.000211
HA-5 (0-1)	4/19/2006	<0.000429
HA-5 (7-9)	4/19/2006	<0.00944
HA-6 (0-1)	4/19/2006	<0.000207
HA-6 (8-10)	4/19/2006	**0.150**
HA-7 (0-1)	4/19/2006	<0.000437
HA-7 (8-10)	4/19/2006	**0.069 J**
HA-8 (0-1)	4/19/2006	0.00286 J
HA-8 (8-10)	4/19/2006	<0.00998
HA-9 (0-1)	4/19/2006	<0.000359
HA-9 (8-10)	4/19/2006	<0.012
HA-10 (0-1)	4/19/2006	<0.000267
HA-10 (8-10)	4/19/2006	<0.000146
HA-11 (8-10)	5/11/2006	<0.000169
HA-12(8-10)	5/11/2006	0.00353 J
HA-13(8-10)	5/11/2006	<0.000451
HA-14 (0-1)	3/19/2007	0.017
HA-14 (8-10)	3/19/2007	0.00962
HA-15 (0-1)	3/19/2007	**0.586**
HA-15 (8-10)	3/19/2007	**0.132 J**
B-13 (0-1)	10/19/2006	0.0171
B-13 (8-10)	10/19/2006	<0.012
B-14 (0-1)	10/19/2006	<0.511
B-14 (8-10)	10/19/2006	<0.025
B-15 (0-1)	10/19/2006	<0.539
B-15 (6-8)	10/19/2006	<0.027
B-16 (0-1)	10/19/2006	<0.015
B-16 (6-8)	10/19/2006	<0.015
B-17 (0-1)	3/19/2007	<0.013
B-17 (8-10)	3/19/2007	<0.000315
ADEM PSV Residential mg/kg		**0.053**
ADEM PSV Industrial mg/kg		**0.110**

Notes: *J = Indicates an estimated value*
mg/kg = milligrams per kilogram
**No value published, not applicable, or parameter specific*
Shaded values exceed a PSV for residential or industrial.
Shallow samples were collected from 0 to 12 inches BGS
U= Indicates the compound was analyzed but not detected

TABLE 5: SOIL ANALYTICAL SUMMARY

(Detected Volatiles)

Facility Name: OMS 28

SAMPLE		Detected VOC's (mg/kg)								
BORING/ TEMPORARY WELL NO.	DATE	Trichloroethene	Tetrachloroethene	Acetone	2-Butanone	Toluene	cis-1,2-Dichloroethene	Methylene chloride	Carbon disulfide	Bromomethane
HA-1 (0-1)	4/19/2006	0.00311 J	0.00121 J	0.151 J	0.00638 J	0.00207 J	0.000125 U	0.000475 U	0.000108 U	NA
HA-1 (6-8)	4/19/2006	0.017	0.000822 J	0.000137 J	0.00247 U	0.00435 U	0.00387 J	0.00379 U	0.0000863 U	NA
HA-2 (0-1)	4/19/2006	**0.241 J**	0.011 U	0.022 U	0.018 U	0.032 U	0.00734 U	0.130 J	0.00635 U	NA
HA-2 (8-10)	4/19/2006	0.027	0.000191 U	0.00600 J	0.000310 U	0.000547 U	0.000125 U	0.000476 U	0.000108 U	NA
HA-3 (0-1)	4/19/2006	0.019 J	0.000476 U	0.119 J	0.00912 J	0.00136 U	0.000312 U	0.00119 U	0.000270 U	NA
HA-3 (8-10)	4/19/2006	0.00353 J	0.000137 U	0.00283 J	0.000223 U	0.000392 U	0.0000899 U	0.000342 U	0.0000778 U	NA
HA-4 (0-1)	4/19/2006	0.000249 U	0.000271 U	0.025 J	0.00279 J	0.000775 U	0.000178 U	0.000675 U	0.000154 U	NA
HA-4 (7-9)	4/19/2006	0.000211 U	0.000229 U	0.000446 U	0.000372 U	0.000656 U	0.000150 U	0.000571 U	0.000130 U	NA
HA-5 (0-1)	4/19/2006	0.000429 U	0.00252 J	0.063 J	0.000756 U	0.00335 J	0.000306 U	0.00116 U	0.000264 U	NA
HA-5 (7-9)	4/19/2006	0.00944 U	0.010 U	0.020 U	0.017 U	0.053 J	0.00672 U	0.096 J	0.00581 U	NA
HA-6 (0-1)	4/19/2006	0.000207 U	0.000225 U	0.035	0.000366 U	0.000645 U	0.000148 U	0.000562 U	0.00179 J	NA
HA-6 (8-10)	4/19/2006	**0.15**	0.000203 U	0.00453 J	0.000330 U	0.000583 U	0.046	0.000507 U	0.000115 U	NA
HA-7 (0-1)	4/19/2006	0.000437 U	0.00253 J	0.024 J	0.00391 J	0.00136 U	0.000311 U	0.00118 U	0.000269 U	NA
HA-7 (8-10)	4/19/2006	**0.069 J**	0.00711 U	0.014 U	0.012 U	0.020 U	0.00467 U	0.061 J	0.00404 U	NA
HA-8 (0-1)	4/19/2006	0.00286 J	0.00266 U	0.000518 U	0.00153 J	0.000761 U	0.000174 U	0.000663 U	0.00299 J	NA
HA-8 (8-10)	4/19/2006	0.00998 U	0.011 U	0.021 U	0.018 U	0.031 U	0.00710 U	0.106 J	0.00614 U	NA
HA-9 (0-1)	4/19/2006	0.000359 U	0.000389 U	0.065 J	0.00249 J	0.00348 JJ	0.000255 U	0.000971 U	0.000221 U	NA
HA-9 (8-10)	4/19/2006	0.012 U	0.013 U	0.025 U	0.021 U	0.037 U	0.00855 U	0.117 J	0.00740 U	NA
HA-10 (0-1)	4/19/2006	0.000267 U	0.00154 J	0.054 J	0.00291 J	0.000829 U	0.000190 U	0.000722 U	0.00441 J	NA
HA-10 (8-10)	4/19/2006	0.000146 U	0.000159 U	0.00215 J	0.000258 U	0.000454 U	0.000104 U	0.000396 U	0.0000901 U	NA
HA-11 (8-10)	5/11/2006	0.000169 U	0.000184 U	N/A	N/A	N/A	0.000121 U	0.000458 U	N/A	NA
HA-12(8-10)	5/11/2006	0.00353 J	0.00191 J	N/A	N/A	N/A	0.000184 U	0.000701 U	N/A	NA
HA-13(8-10)	5/11/2006	0.000451 U	**0.00505 J**	N/A	N/A	N/A	0.000321 U	0.000122 U	N/A	NA
HA-14 (0-1)	3/19/2007	0.017	0.000243 U	0.036	0.000396 U	0.000697 U	0.000160 U	0.000607 U	0.000138 U	0.00191 U
HA-14 (8-10)	3/19/2007	0.00962	0.000332 U	0.022 J	0.028	0.000952 U	0.00678 J	0.000829 U	0.000189 U	0.012
HA-15 (0-1)	3/19/2007	**0.586**	0.015 U	<0.028	0.024 U	0.042 U	0.00958 U	0.036 U	0.00829 U	0.010 U
HA-15 (8-10)	3/19/2007	**0.132 J**	0.000326 U	0.011 J	0.00053 U	0.000934 U	0.036	0.000813 U	0.000185 U	0.000229 U
B-13 (0-1)	10/19/2006	0.0171	0.539 U	<2.70	0.539 U	0.539 U	0.539 U	0.098 J	0.539 U	0.539 U
B-13 (6-8)	10/19/2006	0.000432 U	0.027 U	0.013 J	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U	0.027 U
B-14 (0-1)	10/19/2006	0.018 U	0.015 U	0.030 J	0.015 U	0.015 U	0.015 U	0.030 U	0.015 U	0.015 U
B-14 (8-10)	10/19/2006	0.000887 U	0.015 U	<0.074	0.015 U	0.015 U	0.015 U	0.030 U	0.015 U	0.015 U
B-15 (0-1)	10/19/2006	0.019 U	NA	NA	NA	NA	NA	NA	NA	NA
B-15 (6-8)	10/19/2006	0.000958 U	NA	NA	NA	NA	NA	NA	NA	NA
B-16 (0-1)	10/19/2006	0.000537 U	NA	NA	NA	NA	NA	NA	NA	NA
B-16 (6-8)	10/19/2006	0.000257 U	NA	NA	NA	NA	NA	NA	NA	NA
B-17 (0-1)	3/19/2007	0.017 U	**0.933**	0.00765 U	0.023 U	0.040 U	0.00927 U	0.035 U	0.00802 U	0.011 U
B-17 (8-10)	3/19/2007	0.000315 U	**0.186**	0.000667 U	0.000556 U	0.00098 U	0.000225 U	0.000854 U	0.000194 U	0.000268 U
ADEM PSV (Residential Soil)		**0.053**	**0.005**	**1,400**	**2,200**	**520**	**4.30**	**9.10**	**36.0**	**0.39**
ADEM PSV (Commercial Soil)		**0.110**	**0.480**	**5,400**	**11,000**	**520**	**15.0**	**21.0**	**720**	**1.30**

Notes: *J = Indicates an estimated value*
mg/kg = milligrams per kilogram
**No value published, not applicable, or parameter specific*
U= Indicates the compound was analyzed but not detected

Shaded values exceed a PSV for residential or industrial.
Shallow samples were collected from 0 to 12 inches BGS
U= Indicates the compound was analyzed but not detected
NA- Not analyzed

TABLE 2

ANALYTICAL DATA SUMMARY OF
GROUNDWATER WITH COMPARISON TO ADEM PSVs

TABLES PROVIDED BY AEROSTAR

TABLE 3
Groundwater Sample Results
OMS 28
Brookley Air Force Base

ARBCA PRELIMINARY SCREENING VALUES (PSVs)				Sample Location																	
CONTAMINANT Volatile Organic Compounds (VOCs)	CAS Number	Units	Tap Water	MW-5						MW-6						MW-8					
				07/01/08	12/11/08	05/08/09	09/24/09	03/18/10	09/07/10	07/01/08	12/11/08	05/08/09	09/24/09	03/18/10	09/07/10	07/01/08	12/11/08	05/08/09	09/24/09	03/19/10	09/07/10
1,1,1-Trichloroethane	71-55-6	mg/L	0.02	0.0000683U	0.0000963U	0.0000432U	0.0000432U	0.000106U	0.000106U	0.0000683U	0.0000963U	0.0000432U	0.0000432U	0.000106U	0.000106U	0.0000683U	0.0000963U	0.0000432U	0.0000432U	0.000106U	0.000106U
1,1,2,2-Tetrachloroethane	79-34-5	mg/L	0.000055	0.000148U	0.000154U	0.000105U	0.000105U	0.0000728U	0.0000728U	0.000148U	0.000154U	0.000105U	0.000105U	0.0000728U	0.0000728U	0.000148U	0.000154U	0.000105U	0.000105U	0.0000728U	0.0000728U
1,1,2-Trichloroethane	79-00-5	mg/L	0.005	0.000146U	0.0000928U	0.0000547U	0.0000547U	0.0000951U	0.0000951U	0.000146U	0.0000928U	0.0000547U	0.0000547U	0.0000951U	0.0000951U	0.000146U	0.0000928U	0.0000547U	0.0000547U	0.0000951U	0.0000951U
1,1-Dichloroethane	75-34-3	mg/L	0.081	0.0000801U	0.0000859U	0.0000346U	0.0000346U	0.0000305U	0.0000305U	0.0000801U	0.0000859U	0.0000346U	0.0000346U	0.0000305U	0.0000305U	0.0000601U	0.0000859U	0.0000346U	0.0000346U	0.0000305U	0.0000305U
1,1-Dichloroethene	75-35-4	mg/L	0.007	0.0000961U	0.000201U	0.000119U	0.000119U	0.000164U	0.000164U	0.0000961U	0.000201U	0.000119U	0.000119U	0.000164U	0.000164U	0.0000961U	0.000201U	0.000119U	0.000119U	0.000164U	0.000164U
1,2,4-Trichlorobenzene	120-82-1	mg/L	0.07	0.000223U	0.0000912U	0.000107U	0.000107U	0.000119U	0.000119U	0.000223U	0.0000912U	0.000107U	0.000107U	0.000119U	0.000119U	0.000223U	0.0000912U	0.000107U	0.000107U	0.000119U	0.000119U
1,2-Dibromo-3-chloropropane	96-12-8	mg/L	0.0002	0.000356U	0.000129U	0.000129U	0.000129U	0.0000823U	0.0000823U	0.000356U	0.000129U	0.000129U	0.000129U	0.0000823U	0.0000823U	0.000356U	0.000129U	0.000129U	0.000129U	0.0000823U	0.0000823U
1,2-Dibromoethane	106-93-4	mg/L	0.00005	0.000158U	0.000202U	0.0000651U	0.0000651U	0.0000468U	0.0000468U	0.000158U	0.000202U	0.0000651U	0.0000651U	0.0000468U	0.0000468U	0.000158U	0.000202U	0.0000651U	0.0000651U	0.0000468U	0.0000468U
1,2-Dichlorobenzene	95-50-1	mg/L	0.60	0.000109U	0.0000690U	0.000102U	0.000102U	0.0000789U	0.0000789U	0.000109U	0.0000690U	0.000102U	0.000102U	0.0000789U	0.0000789U	0.000109U	0.0000690U	0.000102U	0.000102U	0.0000789U	0.0000789U
1,2-Dichloroethane	107-06-2	mg/L	0.01	0.0000663U	0.0000898U	0.0000640U	0.0000640U	0.0000860U	0.0000860U	**0.000548J**	0.0000898U	0.0000640U	0.0000640U	0.0000860U	0.0000860U	0.0000663U	0.0000898U	0.0000640U	0.0000640U	0.0000860U	0.0000860U
1,2-Dichloropropane	78-87-5	mg/L	0.01	0.0000555U	0.0000960U	0.0000559U	0.0000559U	0.0000641U	0.0000641U	0.0000555U	0.0000960U	0.0000559U	0.0000559U	0.0000641U	0.0000641U	0.0000555U	0.0000960U	0.0000559U	0.0000559U	0.0000641U	0.0000641U
1,3-Dichlorobenzene	541-73-1	mg/L	0.018	0.0000861U	0.000132U	0.0000937U	0.0000937U	0.0000988U	0.0000988U	0.0000661U	0.000132U	0.0000937U	0.0000937U	0.0000988U	0.0000988U	0.0000861U	0.000132U	0.0000937U	0.0000937U	0.0000988U	0.0000988U
1,4-Dichlorobenzene	106-46-7	mg/L	0.075	0.0000961U	0.0000572U	0.000129U	0.000129U	0.000118U	0.000118U	0.0000961U	0.0000572U	0.000129U	0.000129U	0.000118U	0.000118U	0.0000961U	0.0000572U	0.000129U	0.000129U	0.000118U	0.000118U
2-Butanone (MEK)	78-93-3	mg/L	0.70	0.000487U	0.000176U	0.000405U	0.000405U	0.0000933U	0.0000933U	0.000487U	0.000176U	0.000405U	0.000405U	0.0000933U	0.0000933U	0.000487U	0.000176U	0.000405U	0.000405U	0.0000933U	0.0000933U
2-Hexanone	591-78-6	mg/L	NE	0.000308U	0.000105U	0.0000661U	0.0000661U	0.000503U	0.000503U	0.000308U	0.000105U	0.0000661U	0.0000661U	0.000503U	0.000503U	0.000308U	0.000105U	0.0000661U	0.0000661U	0.000503U	0.000503U
4-Methyl-2-pentanone (Hexone)	108-10-1	mg/L	0.20	0.000113U	0.0000781U	0.000123U	0.000123U	0.0000654U	0.0000654U	0.000113U	0.0000781U	0.000123U	0.000123U	0.0000654U	0.0000654U	0.000113U	0.0000781U	0.000123U	0.000123U	0.0000654U	0.0000654U
Acetone	67-64-1	mg/L	0.55	**0.00780J**	0.000914U	0.000791U	0.000791U	0.00115U	0.00115U	**0.00317J**	0.000914U	0.000791U	0.000791U	0.00115U	0.00115U	**0.011J**	0.000914U	**0.00617J**	0.000791U	**0.022J**	0.00115U
Benzene	71-43-2	mg/L	0.005	0.0000624U	0.0000649U	0.0000747U	0.0000747U	0.0000542U	0.0000542U	***0.016***	***0.011***	***0.00555***	0.0000747U	**0.00184J**	0.0000542U	0.0000624U	0.0000649U	0.0000747U	0.0000747U	0.0000542U	0.0000542U
Bromodichloromethane	75-27-4	mg/L	0.08	0.0000875U	0.000144U	0.0000574U	0.0000574U	0.0000531U	0.0000531U	0.0000875U	0.000144U	0.0000574U	0.0000574U	0.0000531U	0.0000531U	0.0000875U	0.000144U	0.0000574U	0.0000574U	0.0000531U	0.0000531U
Bromoform	75-25-2	mg/L	0.08	0.0000947U	0.000172U	0.000198U	0.000198U	0.000104U	0.000104U	0.0000947U	0.000172U	0.000198U	0.000198U	0.000104U	0.000104U	0.0000947U	0.000172U	0.000198U	0.000198U	0.000104U	0.000104U
Bromomethane (Methyl bromide)	74-83-9	mg/L	0.00087	0.000252U	0.000271U	0.000141U	0.000141U	0.000264U	0.000264U	0.000252U	0.000271U	0.000141U	0.000141U	0.000264U	0.000264U	0.000252U	0.000271U	0.000141U	0.000141U	0.000264U	0.000264U
Carbon Disulfide	75-15-0	mg/L	0.10	0.000184U	0.0000774U	0.000179U	0.000179U	0.000143U	0.000143U	0.000184U	0.0000774U	0.000179U	0.000179U	0.000143U	0.000143U	0.000184U	0.0000774U	0.000179U	0.000179U	0.000143U	0.000143U
Carbon Tetrachloride	56-23-5	mg/L	0.01	0.0000825U	0.000156U	0.0000825U	0.0000825U	0.000148U	0.000148U	0.0000825U	0.000156U	0.0000825U	0.0000825U	0.000148U	0.000148U	0.0000825U	0.000156U	0.0000825U	0.0000825U	0.000148U	0.000148U
Chlorobenzene	108-90-7	mg/L	0.10	0.0000631U	0.000287U	0.0000715U	0.0000715U	0.0000274U	0.0000274U	0.0000631U	0.000287U	0.0000715U	0.0000715U	0.0000274U	0.0000274U	0.0000631U	0.000287U	0.0000715U	0.0000715U	0.0000274U	0.0000274U
Chloroethane	75-00-3	mg/L	0.0046	0.0000618U	0.000181U	0.000140U	0.000140U	0.000351U	0.000351U	0.0000618U	0.000181U	0.000140U	0.000140U	0.000351U	0.000351U	0.0000618U	0.000181U	0.000140U	0.000140U	0.000351U	0.000351U
Chloroform	67-66-3	mg/L	0.08	0.0000426U	0.000164U	0.000287U	0.000287U	0.0000565U	0.0000565U	0.0000426U	0.000164U	0.000287U	0.000287U	0.0000565U	0.0000565U	0.0000426U	0.000164U	0.000287U	0.000287U	0.0000565U	0.0000565U
Chloromethane (Methyl chloride)	74-87-3	mg/L	0.0016	0.000249U	0.000101U	0.000116U	0.000116U	0.0000886U	0.0000886U	0.000249U	0.000101U	0.000116U	0.000116U	0.0000886U	0.0000886U	***0.00210J***	0.000101U	0.000116U	0.000116U	0.0000886U	0.0000886U
Cyclohexane	110-82-7	mg/L	100[a]	0.0000722U	0.000105U	0.0000722U	0.0000722U	0.0000644U	0.0000644U	**0.00418J**	**0.00139J**	**0.00270J**	0.0000722U	0.0000644U	0.0000644U	0.0000722U	0.000105U	0.0000722U	0.0000722U	0.0000644U	0.0000644U
Dibromochloromenthane	124-48-1	mg/L	0.08	0.0000637U	0.0000975U	0.0000326U	0.0000326U	0.0000407U	0.0000407U	0.0000637U	0.0000975U	0.0000326U	0.0000326U	0.0000407U	0.0000407U	0.0000637U	0.0000975U	0.0000326U	0.0000326U	0.0000407U	0.0000407U
Dibromodifluromenthane	75-71-8	mg/L	0.039	0.0000680U	NA	NA	NA	NA	0.0000960U	0.0000680U	NA	NA	NA	NA	0.0000960U	0.0000680U	NA	NA	NA	NA	0.0000960U
cis-1,3-Dichloropropene	542-75-6	mg/L	0.0004	0.0000746U	0.000116U	0.0000315U	0.0000315U	0.0000312U	0.0000312U	0.0000746U	0.000116U	0.0000315U	0.0000315U	0.0000312U	0.0000312U	0.0000746U	0.000116U	0.0000315U	0.0000315U	0.0000312U	0.0000312U
trans-1,3-Dichloropropene	542-75-6	mg/L	0.0004	0.0000702U	0.0000623U	0.0000561U	0.0000561U	0.0000542U	0.0000542U	0.0000702U	0.0000623U	0.0000561U	0.0000561U	0.0000542U	0.0000542U	0.0000702U	0.0000623U	0.0000561U	0.0000561U	0.0000542U	0.0000542U
Ethylbenzene	100-41-4	mg/L	0.70	0.0000924U	0.0000652U	0.0000522U	0.0000522U	0.0000627U	0.0000627U	0.0000924U	0.0000652U	0.0000522U	0.0000522U	0.0000627U	0.0000627U	0.0000924U	0.0000652U	0.0000522U	0.0000522U	0.0000627U	0.0000627U
Isopropylbenzene (Cumene)	98-82-8	mg/L	0.66	0.0000569U	0.000135U	0.0000708U	0.0000708U	0.0000347U	0.0000347U	**0.00533**	**0.00406J**	**0.00341J**	0.0000708U	**0.00103J**	0.0000347U	0.0000569U	0.000135U	0.0000708U	0.0000708U	0.0000347U	0.0000347U
Methyl acetate	79-20-9	mg/L	6100[a]	0.000375U	0.000994U	0.000373U	0.000373U	0.00142U	0.00142U	0.000375U	0.000994U	0.000373U	0.000373U	0.00142U	0.00142U	0.000375U	0.000994U	0.000373U	0.000373U	0.00142U	0.00142U
Methylcyclohexane	108-87-2	mg/L	2600[a]	0.0000921U	0.0000754U	0.0000456U	0.0000456U	0.0000722U	0.0000722U	**0.00299J**	0.0000754U	0.0000456U	0.0000456U	0.0000722U	0.0000722U	0.0000921U	0.0000754U	0.0000456U	0.0000456U	0.0000722U	0.0000722U
Methylene Chloride	75-09-2	mg/L	0.005	0.0000765U	0.0000959U	0.000142U	0.000142U	0.000327U	0.000327U	0.0000765U	0.0000959U	0.000142U	0.000142U	0.000327U	0.000327U	0.0000765U	0.0000959U	0.000142U	0.000142U	0.000327U	0.000327U
Naphthalene	91-20-3	mg/L	0.00062	***0.00464J***	0.000118U	0.000101U	0.000101U	0.0000817U	0.0000817U	***0.028***	***0.021***	***0.011***	0.000101U	0.0000817U	0.0000817U	0.000245U	0.000118U	0.000101U	0.000101U	0.0000817U	0.0000817U
Styrene	100-42-5	mg/L	0.1	0.0000821U	0.0000579U	0.0000453U	0.0000453U	0.0000507U	0.0000507U	0.0000821U	0.0000579U	0.0000453U	0.0000453U	0.0000507U	0.0000507U	0.0000821U	0.0000579U	0.0000453U	0.0000453U	0.0000507U	0.0000507U
Tetrachloroethene (PCE)	127-18-4	mg/L	0.005	0.000200U	0.000153U	0.0000998U	0.0000998U	0.000121U	0.000121U	0.000200U	0.000153U	0.0000998U	0.0000998U	0.000121U	0.000121U	0.000200U	0.000153U	0.0000998U	0.0000998U	0.000121U	0.000121U
Toluene	108-88-3	mg/L	1.00	0.0000675U	0.0000755U	0.0000820U	0.0000820U	0.0000590U	0.0000590U	0.0000675U	0.0000755U	0.0000820U	0.0000820U	0.0000590U	0.0000590U	0.0000675U	0.0000755U	0.0000820U	0.0000820U	0.0000590U	0.0000590U
Trichloroethene (TCE)	79-01-6	mg/L	0.005	0.000164U	0.000118U	0.0000974U	0.0000974U	0.0000618U	0.0000618U	0.000164U	0.000118U	0.0000974U	0.0000974U	0.0000618U	0.0000618U	***0.133***	***0.046***	***0.018***	***0.00841***	***0.041***	***0.013***
Trichlorofloromethane	75-69-4	mg/L	0.13	0.0000638U	0.000138U	0.0000720U	0.0000720U	0.000123U	0.000123U	0.0000638U	0.000138U	0.0000720U	0.0000720U	0.000123U	0.000123U	0.0000638U	0.000138U	0.0000720U	0.0000720U	0.000123U	0.000123U
Trichlorotrifloroethane	76-13-1	mg/L	NE	0.000168U	0.000230U	0.0000682U	0.0000682U	0.000127U	0.000127U	0.000168U	0.000230U	0.0000682U	0.0000682U	0.000127U	0.000127U	0.000168U	0.000230U	0.0000682U	0.0000682U	0.000127U	0.000127U
Vinyl chloride (child/adult)	75-01-4	mg/L	0.002	0.0000538U	0.000155U	0.0000767U	0.0000767U	0.0000930U	0.0000930U	0.0000538U	0.000155U	0.0000767U	0.0000767U	0.0000930U	0.0000930U	0.0000538U	0.000155U	0.0000767U	0.0000767U	0.0000930U	0.0000930U
Xylenes (total)	1330-20-7	mg/L	10	0.000194U	0.000183U	0.000334U	0.000334U	0.0000502U	0.0000502U	**0.00701J**	**0.00523J**	0.000334U	0.000334U	0.0000502U	0.0000502U	0.000194U	0.000183U	0.000334U	0.000334U	0.0000502U	0.0000502U
(cis)-1,2-Dichloroethene	156-59-2	mg/L	0.07	0.0000745U	0.000162U	0.000103U	0.000103U	0.0000613U	0.0000613U	0.0000745U	0.000162U	0.000103U	0.000103U	0.0000613U	0.0000613U	**0.00397J**	**0.00324J**	**0.000812J**	0.000103U	**0.00207J**	0.0000613U
Methyl tert-butyl ether (MTBE)	1634-04-4	mg/L	0.011	0.0000756U	0.0000769U	0.0000972U	0.0000770U	0.0000517U	0.0000517U	0.0000756U	0.0000769U	0.0000972U	0.0000770U	0.0000517U	0.0000517U	0.0000756U	0.0000769U	0.0000972U	0.0000770U	0.0000517U	0.0000517U
(trans)-1,2-Dichloroethene	156-60-5	mg/L	0.10	0.0000573U	0.000122U	0.0000955U	0.0000955U	0.000107U	0.000107U	0.0000573U	0.000122U	0.0000955U	0.0000955U	0.000107U	0.000107U	0.0000573U	0.000122U	0.0000955U	0.0000955U	0.000107U	0.000107U
Dichlorodifluoromethane				NA	NA	0.0000608U	0.0000608U	0.0000960U	NA	NA	NA	0.0000608U	0.0000608U	0.0000960U	NA	NA	NA	0.0000608U	0.0000608U	0.0000960U	NA

Footnotes

- ARBCA Preliminary Screening Values (PSVs) for Groundwater/Tap Water, June 2007
- Italicized contaminant – no ARBCA PSV available.
[a] – 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
NA = Not analyzed

TABLE 3
Groundwater Sample Results
OMS 28
Brookley Air Force Base

ARBCA PRELIMINARY SCREENING VALUES (PSVs)				Sample Location																	
CONTAMINANT Volatile Organic Compounds (VOCs)	CAS Number	Units	Tap Water	MW-9						MW-12						OMS-28-1 (Deep Well)					
				07/01/08	12/10/08	05/08/09	09/24/09	03/18/10	09/07/10	07/01/08	12/10/08	05/08/09	09/24/09	03/18/10	09/07/10	07/08/08	12/11/08	05/08/09	09/24/09	03/18/10	09/07/10
1,1,1-Trichloroethane	71-55-6	mg/L	0.02	0.0000683U	0.0000963U	0.0000432U	0.0000432U	0.000106U	0.000106U	0.0000683U	0.0000963U	0.0000432U	0.0000432U	0.000106U	0.000106U	0.0000683U	0.0000963U	0.0000432U	0.0000432U	0.000106U	0.000106U
1,1,2,2-Tetrachloroethane	79-34-5	mg/L	0.000055	0.000148U	0.000154U	0.000105U	0.000105U	0.0000728U	0.0000728U	0.000148U	0.000154U	0.000105U	0.000105U	0.0000728U	0.0000728U	0.000148U	0.000154U	0.000105U	0.000105U	0.0000728U	0.0000728U
1,1,2-Trichloroethane	79-00-5	mg/L	0.005	0.000146U	0.0000928U	0.0000547U	0.0000547U	0.0000951U	0.0000951U	0.000146U	0.0000928U	0.0000547U	0.0000547U	0.0000951U	0.0000951U	0.000146U	0.0000928U	0.0000547U	0.0000547U	0.0000951U	0.0000951U
1,1-Dichloroethane	75-34-3	mg/L	0.081	0.0000801U	0.0000859U	0.0000346U	0.0000346U	0.0000305U	0.0000305U	0.0000801U	0.0000859U	0.0000346U	0.0000346U	0.0000305U	0.0000305U	0.0000801U	0.0000859U	0.0000346U	0.0000346U	0.0000305U	0.0000305U
1,1-Dichloroethene	75-35-4	mg/L	0.007	0.0000961U	0.000201U	0.000119U	0.000119U	0.000164U	0.000164U	0.0000961U	0.000201U	0.000119U	0.000119U	0.000164U	0.000164U	0.0000961U	0.000201U	0.000119U	0.000119U	0.000164U	0.000164U
1,2,4-Trichlorobenzene	120-82-1	mg/L	0.07	0.000223U	0.0000912U	0.000107U	0.000107U	0.000119U	0.000119U	0.000223U	0.0000912U	0.000107U	0.000107U	0.000119U	0.000119U	0.000223U	0.0000912U	0.000107U	0.000107U	0.000119U	0.000119U
1,2-Dibromo-3-chloropropane	96-12-8	mg/L	0.0002	0.000356U	0.000129U	0.000129U	0.000129U	0.0000823U	0.0000823U	0.000356U	0.000129U	0.000129U	0.000129U	0.0000823U	0.0000823U	0.000356U	0.000129U	0.000129U	0.000129U	0.0000823U	0.0000823U
1,2-Dibromoethane	106-93-4	mg/L	0.00005	0.000158U	0.000202U	0.0000651U	0.0000651U	0.0000468U	0.0000468U	0.000158U	0.000202U	0.0000651U	0.0000651U	0.0000468U	0.0000468U	0.000158U	0.000202U	0.0000651U	0.0000651U	0.0000468U	0.0000468U
1,2-Dichlorobenzene	95-50-1	mg/L	0.60	0.000109U	0.0000690U	0.000102U	0.000102U	0.0000789U	0.0000789U	0.000109U	0.0000690U	0.000102U	0.000102U	0.0000789U	0.0000789U	0.000109U	0.0000690U	0.000102U	0.000102U	0.0000789U	0.0000789U
1,2-Dichloroethane	107-06-2	mg/L	0.01	0.0000663U	0.0000898U	0.0000640U	0.0000640U	0.0000860U	0.0000860U	0.0000663U	0.0000898U	0.0000640U	0.0000640U	0.0000860U	0.0000860U	0.0000663U	0.0000898U	0.0000640U	0.0000640U	0.0000860U	0.0000860U
1,2-Dichloropropane	78-87-5	mg/L	0.01	0.0000555U	0.0000960U	0.0000559U	0.0000559U	0.0000641U	0.0000641U	0.0000555U	0.0000960U	0.0000559U	0.0000559U	0.0000641U	0.0000641U	0.0000555U	0.0000960U	0.0000559U	0.0000559U	0.0000641U	0.0000641U
1,3-Dichlorobenzene	541-73-1	mg/L	0.018	0.0000861U	0.000132U	0.0000937U	0.0000937U	0.0000988U	0.0000988U	0.0000861U	0.000132U	0.0000937U	0.0000937U	0.0000988U	0.0000988U	0.0000861U	0.000132U	0.0000937U	0.0000937U	0.0000988U	0.0000988U
1,4-Dichlorobenzene	106-46-7	mg/L	0.075	0.0000961U	0.0000572U	0.000129U	0.000129U	0.000118U	0.000118U	0.0000961U	0.0000572U	0.000129U	0.000129U	0.000118U	0.000118U	0.0000961U	0.0000572U	0.000129U	0.000129U	0.000118U	0.000118U
2-Butanone (MEK)	78-93-3	mg/L	0.70	0.000487U	0.000176U	0.000405U	0.000405U	0.0000933U	0.0000933U	0.000487U	0.000176U	0.000405U	0.000405U	0.0000933U	0.0000933U	0.000487U	0.000176U	0.000405U	0.000405U	0.0000933U	0.0000933U
2-Hexanone	591-78-6	mg/L	NE	0.000308U	0.000105U	0.0000661U	0.0000661U	0.000503U	0.000503U	0.000308U	0.000105U	0.0000661U	0.0000661U	0.000503U	0.000503U	0.000308U	0.000105U	0.0000661U	0.0000661U	0.000503U	0.000503U
4-Methyl-2-pentanone (Hexone)	108-10-1	mg/L	0.20	0.000113U	0.0000781U	0.000123U	0.000123U	0.0000654U	0.0000654U	0.000113U	0.0000781U	0.000123U	0.000123U	0.0000654U	0.0000654U	0.000113U	0.0000781U	0.000123U	0.000123U	0.0000654U	0.0000654U
Acetone	67-64-1	mg/L	0.55	**0.00472J**	0.000914U	0.000791U	0.000791U	0.00115U	0.00115U	**0.00363J**	0.000914U	0.000791U	0.000791U	0.00115U	0.00115U	**0.00905J**	0.000914U	0.000791U	0.000791U	0.00115U	0.00115U
Benzene	71-43-2	mg/L	0.005	0.0000624U	0.0000649U	0.0000747U	0.0000747U	0.0000542U	0.0000542U	0.0000624U	0.0000649U	0.0000747U	0.0000747U	0.0000542U	0.0000542U	0.0000624U	0.0000649U	0.0000747U	0.0000747U	0.0000542U	0.0000542U
Bromodichloromethane	75-27-4	mg/L	0.08	0.0000675U	0.000144U	0.0000574U	0.0000574U	0.0000531U	0.0000531U	0.0000875U	0.000144U	0.0000574U	0.0000574U	0.0000531U	0.0000531U	0.0000875U	0.000144U	0.0000574U	0.0000574U	0.0000531U	0.0000531U
Bromoform	75-25-2	mg/L	0.08	0.0000947U	0.000172U	0.000198U	0.000198U	0.000104U	0.000104U	0.0000947U	0.000172U	0.000198U	0.000198U	0.000104U	0.000104U	0.0000947U	0.000172U	0.000198U	0.000198U	0.000104U	0.000104U
Bromomethane (Methyl bromide)	74-83-9	mg/L	0.00087	0.000252U	0.000271U	0.000141U	0.000141U	0.000264U	0.000264U	0.000252U	0.000271U	0.000141U	0.000141U	0.000264U	0.000264U	0.000252U	0.000271U	0.000141U	0.000141U	0.000264U	0.000264U
Carbon Disulfide	75-15-0	mg/L	0.10	0.000184U	0.0000774U	0.000179U	0.000179U	0.000143U	0.000143U	0.000184U	0.0000774U	0.000179U	0.000179U	0.000143U	0.000143U	0.000184U	0.0000774U	0.000179U	0.000179U	0.000143U	0.000143U
Carbon Tetrachloride	56-23-5	mg/L	0.01	0.0000825U	0.000156U	0.0000825U	0.0000825U	0.000148U	0.000148U	0.0000825U	0.000156U	0.0000825U	0.0000825U	0.000148U	0.000148U	0.0000825U	0.000156U	0.0000825U	0.0000825U	0.000148U	0.000148U
Chlorobenzene	108-90-7	mg/L	0.10	0.0000631U	0.000287U	0.0000715U	0.0000715U	0.0000274U	0.0000274U	0.0000631U	0.000287U	0.0000715U	0.0000715U	0.0000274U	0.0000274U	0.0000631U	0.000287U	0.0000715U	0.0000715U	0.0000274U	0.0000274U
Chloroethane	75-00-3	mg/L	0.0046	0.0000618U	0.000181U	0.000140U	0.000140U	0.000351U	0.000351U	0.0000618U	0.000181U	0.000140U	0.000140U	0.000351U	0.000351U	0.0000618U	0.000181U	0.000140U	0.000140U	0.000351U	0.000351U
Chloroform	67-66-3	mg/L	0.08	0.0000426U	0.000164U	0.000287U	0.000287U	0.0000565U	0.0000565U	0.0000426U	0.000164U	0.000287U	0.000287U	0.0000565U	0.0000565U	**0.044**	0.000164U	**0.00333J**	**0.000582J**	0.0000565U	0.0000565U
Chloromethane (Methyl chloride)	74-87-3	mg/L	0.0016	0.000249U	0.000101U	0.000116U	0.000116U	0.0000886U	0.0000886U	0.000249U	0.000101U	0.000116U	0.000116U	0.0000886U	0.0000886U	**0.00151J**	0.000101U	0.000116U	0.000116U	0.0000886U	0.0000886U
Cyclohexane	110-82-7	mg/L	100[a]	0.0000722U	0.000105U	0.0000722U	0.0000722U	0.0000644U	0.0000644U	0.0000722U	0.000105U	0.0000722U	0.0000722U	0.0000644U	0.0000644U	0.0000722U	0.000105U	0.0000722U	0.0000722U	0.0000644U	0.0000644U
Dibromochloromenthane	124-48-1	mg/L	0.08	0.0000637U	0.0000975U	0.0000326U	0.0000326U	0.0000407U	0.0000407U	0.00006377U	0.0000975U	0.0000326U	0.0000326U	0.0000407U	0.0000407U	0.0000637U	0.0000975U	0.0000326U	0.0000326U	0.0000407U	0.0000407U
Dibromodifluromenthane	75-71-8	mg/L	0.039	0.0000680U	NA	NA	NA	NA	0.0000960U	0.0000680U	NA	NA	NA	NA	0.0000960U	0.0000680U	NA	NA	NA	NA	0.0000960U
cis-1,3-Dichloropropene	542-75-6	mg/L	0.0004	0.0000746U	0.000116U	0.0000315U	0.0000315U	0.0000312U	0.0000312U	0.0000746U	0.000116U	0.0000315U	0.0000315U	0.0000312U	0.0000312U	0.0000746U	0.000116U	0.0000315U	0.0000315U	0.0000312U	0.0000312U
trans-1,3-Dichloropropene	542-75-6	mg/L	0.0004	0.0000702U	0.0000623U	0.0000561U	0.0000561U	0.0000542U	0.0000542U	0.0000702U	0.0000623U	0.0000561U	0.0000561U	0.0000542U	0.0000542U	0.0000702U	0.0000623U	0.0000561U	0.0000561U	0.0000542U	0.0000542U
Ethylbenzene	100-41-4	mg/L	0.70	0.0000924U	0.0000652U	0.0000522U	0.0000522U	0.0000627U	0.0000627U	0.0000924U	0.0000652U	0.0000522U	0.0000522U	0.0000627U	0.0000627U	0.0000924U	0.0000652U	0.0000522U	0.0000522U	0.0000627U	0.0000627U
Isopropylbenzene (Cumene)	98-82-8	mg/L	0.66	0.0000569U	0.000135U	0.0000708U	0.0000708U	0.0000347U	0.0000347U	0.0000569U	0.000135U	0.0000708U	0.0000708U	0.0000347U	0.0000347U	0.0000569U	0.000135U	0.0000708U	0.0000708U	0.0000347U	0.0000347U
Methyl acetate	79-20-9	mg/L	6100[a]	0.000375U	0.000994U	0.000373U	0.000373U	0.00142U	0.00142U	0.000375U	0.000994U	0.000373U	0.000373U	0.00142U	0.00142U	0.000375U	0.000994U	0.000373U	0.000373U	0.00142U	0.00142U
Methylcyclohexane	108-87-2	mg/L	2600[a]	0.0000921U	0.0000754U	0.0000456U	0.0000456U	0.0000722U	0.0000722U	0.0000921U	0.0000754U	0.0000456U	0.0000456U	0.0000722U	0.0000722U	0.0000921U	0.0000754U	0.0000456U	0.0000456U	0.0000722U	0.0000722U
Methylene Chloride	75-09-2	mg/L	0.005	0.0000765U	0.0000959U	0.000142U	0.000142U	0.000327U	0.000327U	0.0000765U	0.0000959U	0.000142U	0.000142U	0.000327U	0.000327U	***0.00905J***	0.0000959U	0.000142U	0.000142U	0.000327U	0.000327U
Naphthalene	91-20-3	mg/L	0.00062	0.000245U	0.000118U	0.000101U	0.000101U	0.0000817U	0.0000817U	0.000245U	0.000118U	0.000101U	0.000101U	0.0000817U	0.0000817U	0.000245U	***0.00451J***	0.000101U	0.000101U	0.0000817U	0.0000817U
Styrene	100-42-5	mg/L	0.1	0.0000821U	0.0000579U	0.0000453U	0.0000453U	0.0000507U	0.0000507U	0.0000821U	0.0000579U	0.0000453U	0.0000453U	0.0000507U	0.0000507U	0.0000821U	0.0000579U	0.0000453U	0.0000453U	0.0000507U	0.0000507U
Tetrachloroethene (PCE)	127-18-4	mg/L	0.005	0.000200U	0.000153U	0.0000998U	0.0000998U	0.000121U	0.000121U	0.000200U	0.000153U	0.0000998U	0.0000998U	0.000121U	0.000121U	0.000200U	0.000153U	0.0000998U	0.0000998U	0.000121U	0.000121U
Toluene	108-88-3	mg/L	1.00	0.0000675U	0.0000755U	0.0000820U	0.0000820U	0.0000590U	0.0000590U	0.0000675U	0.0000755U	0.0000820U	0.0000820U	0.0000590U	0.0000590U	0.0000675U	0.0000755U	0.0000820U	0.0000820U	0.0000590U	0.0000590U
Trichloroethene (TCE)	79-01-6	mg/L	0.005	0.000164U	0.000118U	0.0000974U	0.0000974U	0.0000618U	0.0000618U	0.000164U	0.000118U	0.0000974U	0.0000974U	0.0000618U	0.0000618U	0.000164U	0.000118U	0.0000974U	0.0000974U	0.0000618U	0.0000618U
Trichlorofloromethane	75-69-4	mg/L	0.13	0.0000638U	0.000138U	0.0000720U	0.0000720U	0.000123U	0.000123U	0.0000638U	0.000138U	0.0000720U	0.0000720U	0.000123U	0.000123U	0.0000638U	0.000138U	0.0000720U	0.0000720U	0.000123U	0.000123U
Trichlorotrifloroethane	76-13-1	mg/L	NE	0.000168U	0.000230U	0.0000682U	0.0000682U	0.000127U	0.000127U	0.000168U	0.000230U	0.0000682U	0.0000682U	0.000127U	0.000127U	0.000168U	0.000230U	0.0000682U	0.0000682U	0.000127U	0.000127U
Vinyl chloride (child/adult)	75-01-4	mg/L	0.002	0.0000538U	0.000155U	0.0000767U	0.0000767U	0.0000930U	0.0000930U	0.0000538U	0.000155U	0.0000767U	0.0000767U	0.0000930U	0.0000930U	0.0000538U	0.000155U	0.0000767U	0.0000767U	0.0000930U	0.0000930U
Xylenes (total)	1330-20-7	mg/L	10	0.000194U	0.000183U	0.000334U	0.000334U	0.0000502U	0.0000502U	0.000194U	0.000183U	0.000334U	0.000334U	0.0000502U	0.0000502U	0.000194U	0.000183U	0.000334U	0.000334U	0.0000502U	0.0000502U
(cis)-1,2-Dichloroethene	156-59-2	mg/L	0.07	0.0000745U	0.000162U	0.000103U	0.000103U	0.0000613U	0.0000613U	0.0000745U	0.000162U	0.000103U	0.000103U	0.0000613U	0.0000613U	0.0000745U	0.000162U	0.000103U	0.000103U	0.0000613U	0.0000613U
Methyl tert-butyl ether (MTBE)	1634-04-4	mg/L	0.011	0.0000756U	0.0000769U	0.0000972U	0.0000770U	0.0000517U	0.0000517U	0.0000756U	0.0000769U	0.0000972U	0.0000770U	0.0000517U	0.0000517U	0.0000756U	0.0000769U	0.0000972U	0.0000770U	0.0000517U	0.0000517U
(trans)-1,2-Dichloroethene	156-60-5	mg/L	0.10	0.0000573U	0.000122U	0.0000955U	0.0000955U	0.000107U	0.000107U	0.0000573U	0.000122U	0.0000955U	0.0000955U	0.000107U	0.000107U	0.0000573U	0.000122U	0.0000955U	0.0000955U	0.000107U	0.000107U
Dichlorodifluoromethane				NA	NA	0.0000608U	0.0000608U	0.0000960U	NA	NA	NA	0.0000608U	0.0000608U	0.0000960U	NA	NA	NA	0.0000608U	0.0000608U	0.0000960U	NA

Footnotes

- ARBCA Preliminary Screening Values (PSVs) for Groundwater/Tap Water, June 2007
- Italicized contaminant – no ARBCA PSV available.
[a] – EPA Regional Screening Level for Chemical Contaminants at Superfund Sites
- Bold font indicates a detected concentration
- Bold, italicized, and underlined font indicates that a concentration exceeds an ARBCA PS
- 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
NA = Not analyzed

TABLE 3
Groundwater Sample Results
OMS 28
Brookley Air Force Base

ARBCA PRELIMINARY SCREENING VALUES (PSVs)				Sample Location																	
CONTAMINANT Volatile Organic Compounds (VOCs)	CAS Number	Units	Tap Water	OMS-28-2						OMS-28-3						OMS-28-4 (Deep Well)					
				07/01/08	12/10/08	05/08/09	09/24/09	03/18/10	09/07/10	07/01/08	12/11/08	05/08/09	09/24/09	03/19/10	09/07/10	07/08/08	12/10/08	05/08/09	09/24/09	03/19/10	09/07/10
1,1,1-Trichloroethane	71-55-6	mg/L	0.02	0.0000683U	0.0000963U	0.0000432U	0.0000432U	0.000106U	0.000106U	0.0000683U	0.0000963U	0.0000432U	0.0000432U	0.000106U	0.000106U	0.0000683U	0.0000963U	0.0000432U	0.0000432U	0.000106U	0.000106U
1,1,2,2-Tetrachloroethane	79-34-5	mg/L	0.000055	0.000148U	0.000154U	0.000105U	0.000105U	0.0000728U	0.0000728U	0.000148U	0.000154U	0.000105U	0.000105U	0.0000728U	0.0000728U	0.000148U	0.000154U	0.000105U	0.000105U	0.0000728U	0.0000728U
1,1,2-Trichloroethane	79-00-5	mg/L	0.005	0.000146U	0.0000928U	0.0000547U	0.0000547U	0.0000951U	0.0000951U	0.000146U	0.0000928U	0.0000547U	0.0000547U	0.0000951U	0.0000951U	0.000146U	0.0000928U	0.0000547U	0.0000547U	0.0000951U	0.0000951U
1,1-Dichloroethane	75-34-3	mg/L	0.081	0.0000801U	0.0000859U	0.0000346U	0.0000346U	0.0000305U	0.0000305U	0.0000801U	0.0000859U	0.0000346U	0.0000346U	0.0000305U	0.0000305U	0.0000801U	0.0000859U	0.0000346U	0.0000346U	0.0000305U	0.0000305U
1,1-Dichloroethene	75-35-4	mg/L	0.007	0.0000961U	0.000201U	0.000119U	0.000119U	0.000164U	0.000164U	0.0000961U	0.000201U	0.000119U	0.000119U	0.000164U	0.000164U	0.0000961U	0.000201U	0.000119U	0.000119U	0.000164U	0.000164U
1,2,4-Trichlorobenzene	120-82-1	mg/L	0.07	0.000223U	0.0000912U	0.000107U	0.000107U	0.000119U	0.000119U	0.000223U	0.0000912U	0.000107U	0.000107U	0.000119U	0.000119U	0.000223U	0.0000912U	0.000107U	0.000107U	0.000119U	0.000119U
1,2-Dibromo-3-chloropropane	96-12-8	mg/L	0.0002	0.000356U	0.000129U	0.000129U	0.000129U	0.0000823U	0.0000823U	0.000356U	0.000129U	0.000129U	0.000129U	0.0000823U	0.0000823U	0.000356U	0.000129U	0.000129U	0.000129U	0.0000823U	0.0000823U
1,2-Dibromoethane	106-93-4	mg/L	0.00005	0.000158U	0.000202U	0.0000651U	0.0000651U	0.0000468U	0.0000468U	0.000158U	0.000202U	0.0000651U	0.0000651U	0.0000468U	0.0000468U	0.000158U	0.000202U	0.0000651U	0.0000651U	0.0000468U	0.0000468U
1,2-Dichlorobenzene	95-50-1	mg/L	0.60	0.000109U	0.0000690U	0.000102U	0.000102U	0.0000789U	0.0000789U	0.000109U	0.0000690U	0.000102U	0.000102U	0.0000789U	0.0000789U	0.000109U	0.0000690U	0.000102U	0.000102U	0.0000789U	0.0000789U
1,2-Dichloroethane	107-06-2	mg/L	0.01	0.0000663U	0.0000898U	0.0000640U	0.0000640U	0.0000860U	0.0000860U	0.0000663U	0.0000898U	0.0000640U	0.0000640U	0.0000860U	0.0000860U	0.0000663U	0.0000898U	0.0000640U	0.0000640U	0.0000860U	0.0000860U
1,2-Dichloropropane	78-87-5	mg/L	0.01	0.0000555U	0.0000960U	0.0000559U	0.0000559U	0.0000641U	0.0000641U	0.0000555U	0.0000960U	0.0000559U	0.0000559U	0.0000641U	0.0000641U	0.0000555U	0.0000960U	0.0000559U	0.0000559U	0.0000641U	0.0000641U
1,3-Dichlorobenzene	541-73-1	mg/L	0.018	0.0000861U	0.000132U	0.0000937U	0.0000937U	0.0000988U	0.0000988U	0.0000861U	0.000132U	0.0000937U	0.0000937U	0.0000988U	0.0000988U	0.0000861U	0.000132U	0.0000937U	0.0000937U	0.0000988U	0.0000988U
1,4-Dichlorobenzene	106-46-7	mg/L	0.075	0.0000961U	0.0000572U	0.000129U	0.000129U	0.000118U	0.000118U	0.0000961U	0.0000572U	0.000129U	0.000129U	0.000118U	0.000118U	0.0000961U	0.0000572U	0.000129U	0.000129U	0.000118U	0.000118U
2-Butanone (MEK)	78-93-3	mg/L	0.70	0.000487U	0.000176U	0.000405U	0.000405U	0.0000933U	0.0000933U	0.000487U	0.000176U	0.000405U	0.000405U	0.0000933U	0.0000933U	0.000487U	0.000176U	0.000405U	0.000405U	0.0000933U	0.0000933U
2-Hexanone	591-78-6	mg/L	NE	0.000308U	0.000105U	0.0000661U	0.0000661U	0.000503U	0.000503U	0.000308U	0.000105U	0.0000661U	0.0000661U	0.000503U	0.000503U	0.000308U	0.000105U	0.0000661U	0.0000661U	0.000503U	0.000503U
4-Methyl-2-pentanone (Hexone)	108-10-1	mg/L	0.20	0.000113U	0.0000781U	0.000123U	0.000123U	0.0000654U	0.0000654U	0.000113U	0.0000781U	0.000123U	0.000123U	0.0000654U	0.0000654U	0.000113U	0.0000781U	0.000123U	0.000123U	0.0000654U	0.0000654U
Acetone	67-64-1	mg/L	0.55	**0.00338J**	0.000914U	0.000791U	0.000791U	0.00115U	0.00115U	**0.00218J**	0.000914U	0.000791U	0.000791U	**0.00617J**	0.00115U	**0.00207J**	0.000914U	0.000791U	0.000791U	**0.00450J**	0.00115U
Benzene	71-43-2	mg/L	0.005	0.0000624U	0.0000649U	0.0000747U	0.0000747U	0.0000542U	0.0000542U	0.0000624U	0.0000649U	0.0000747U	0.0000747U	0.0000542U	0.0000542U	0.0000624U	0.0000649U	0.0000747U	0.0000747U	0.0000542U	0.0000542U
Bromodichloromethane	75-27-4	mg/L	0.08	0.0000875U	0.000144U	0.0000574U	0.0000574U	0.0000531U	0.0000531U	0.0000875U	0.000144U	0.0000574U	0.0000574U	0.0000531U	0.0000531U	0.0000875U	0.000144U	0.0000574U	0.0000574U	0.0000531U	0.0000531U
Bromoform	75-25-2	mg/L	0.08	0.0000947U	0.000172U	0.000198U	0.000198U	0.000104U	0.000104U	0.0000947U	0.000172U	0.000198U	0.000198U	0.000104U	0.000104U	0.0000947U	0.000172U	0.000198U	0.000198U	0.000104U	0.000104U
Bromomethane (Methyl bromide)	74-83-9	mg/L	0.00087	0.000252U	0.000271U	0.000141U	0.000141U	0.000264U	0.000264U	0.000252U	0.000271U	0.000141U	0.000141U	0.000264U	0.000264U	0.000252U	0.000271U	0.000141U	0.000141U	0.000264U	0.000264U
Carbon Disulfide	75-15-0	mg/L	0.10	0.000184U	0.0000774U	0.000179U	0.000179U	0.000143U	0.000143U	0.000184U	0.0000774U	0.000179U	0.000179U	0.000143U	0.000143U	0.000184U	0.0000774U	0.000179U	0.000179U	0.000143U	0.000143U
Carbon Tetrachloride	56-23-5	mg/L	0.01	0.0000825U	0.000156U	0.0000825U	0.0000825U	0.000148U	0.000148U	0.0000825U	0.000156U	0.0000825U	0.0000825U	0.000148U	0.000148U	0.0000825U	0.000156U	0.0000825U	0.0000825U	0.000148U	0.000148U
Chlorobenzene	108-90-7	mg/L	0.10	0.0000631U	0.000287U	0.0000715U	0.0000715U	0.0000274U	0.0000274U	0.0000631U	0.000287U	0.0000715U	0.0000715U	0.0000274U	0.0000274U	0.0000631U	0.000287U	0.0000715U	0.0000715U	0.0000274U	0.0000274U
Chloroethane	75-00-3	mg/L	0.0046	0.0000618U	0.000181U	0.000140U	0.000140U	0.000351U	0.000351U	0.0000618U	0.000181U	0.000140U	0.000140U	0.000351U	0.000351U	0.0000618U	0.000181U	0.000140U	0.000140U	0.000351U	0.000351U
Chloroform	67-66-3	mg/L	0.08	0.0000426U	0.000164U	0.000287U	0.000287U	0.0000565U	0.0000565U	**0.000252J**	0.000164U	0.000287U	0.000287U	0.0000565U	0.0000565U	**0.000219J**	0.000164U	0.000287U	0.000287U	0.0000565U	0.0000565U
Chloromethane (Methyl chloride)	74-87-3	mg/L	0.0016	**0.00111J**	0.000101U	0.000116U	0.000116U	0.0000886U	0.0000886U	**0.000835J**	0.000101U	0.000116U	0.000116U	0.0000886U	0.0000886U	0.000249U	0.000101U	0.000116U	0.000116U	0.0000886U	0.0000886U
Cyclohexane	110-82-7	mg/L	100[a]	0.0000722U	0.000105U	0.0000722U	0.0000722U	0.0000644U	0.0000644U	0.0000722U	0.000105U	0.0000722U	0.0000722U	0.0000644U	0.0000644U	0.0000722U	0.000105U	0.0000722U	0.0000722U	0.0000644U	0.0000644U
Dibromochloromenthane	124-48-1	mg/L	0.08	0.0000637U	0.0000975U	0.0000326U	0.0000326U	0.0000407U	0.0000407U	0.0000637U	0.0000975U	0.0000326U	0.0000326U	0.0000407U	0.0000407U	0.0000637U	0.0000975U	0.0000326U	0.0000326U	0.0000407U	0.0000407U
Dibromodifluromenthane	75-71-8	mg/L	0.039	0.0000680U	NA	NA	NA	NA	0.0000960U	0.0000680U	NA	NA	NA	NA	0.0000960U	0.0000680U	NA	NA	NA	NA	0.0000960U
cis-1,3-Dichloropropene	542-75-6	mg/L	0.0004	0.0000746U	0.000116U	0.0000315U	0.0000315U	0.0000312U	0.0000312U	0.0000746U	0.000116U	0.0000315U	0.0000315U	0.0000312U	0.0000312U	0.0000746U	0.000116U	0.0000315U	0.0000315U	0.0000312U	0.0000312U
trans-1,3-Dichloropropene	542-75-6	mg/L	0.0004	0.0000702U	0.0000623U	0.0000561U	0.0000561U	0.0000542U	0.0000542U	0.0000702U	0.0000623U	0.0000561U	0.0000561U	0.0000542U	0.0000542U	0.0000702U	0.0000623U	0.0000561U	0.0000561U	0.0000542U	0.0000542U
Ethylbenzene	100-41-4	mg/L	0.70	0.0000924U	0.0000652U	0.0000522U	0.0000522U	0.0000627U	0.0000627U	0.0000924U	0.0000652U	0.0000522U	0.0000522U	0.0000627U	0.0000627U	0.0000924U	0.0000652U	0.0000522U	0.0000522U	0.0000627U	0.0000627U
Isopropylbenzene (Cumene)	98-82-8	mg/L	0.66	0.0000569U	0.000135U	0.0000708U	0.0000708U	0.0000347U	0.0000347U	0.0000569U	0.000135U	0.0000708U	0.0000708U	0.0000347U	0.0000347U	0.0000569U	0.000135U	0.0000708U	0.0000708U	0.0000347U	0.0000347U
Methyl acetate	79-20-9	mg/L	6100[a]	0.000375U	0.000994U	0.000373U	0.000373U	0.00142U	0.00142U	0.000375U	0.000994U	0.000373U	0.000373U	0.00142U	0.00142U	0.000375U	0.000994U	0.000373U	0.000373U	0.00142U	0.00142U
Methylcyclohexane	108-87-2	mg/L	2600[a]	0.0000921U	0.0000754U	0.0000456U	0.0000456U	0.0000722U	0.0000722U	0.0000921U	0.0000754U	0.0000456U	0.0000456U	0.0000722U	0.0000722U	0.0000921U	0.0000754U	0.0000456U	0.0000456U	0.0000722U	0.0000722U
Methylene Chloride	75-09-2	mg/L	0.005	0.0000765U	0.0000959U	0.000142U	0.000142U	0.000327U	0.000327U	0.0000765U	0.0000959U	0.000142U	0.000142U	0.000327U	0.000327U	0.0000765U	0.0000959U	0.000142U	0.000142U	0.000327U	0.000327U
Naphthalene	91-20-3	mg/L	0.00062	0.000245U	0.000118U	0.000101U	0.000101U	0.0000817U	0.0000817U	0.000245U	0.000118U	0.000101U	0.000101U	0.0000817U	0.0000817U	0.000245U	0.000118U	0.000101U	0.000101U	0.0000817U	0.0000817U
Styrene	100-42-5	mg/L	0.1	0.0000821U	0.0000579U	0.0000453U	0.0000453U	0.0000507U	0.0000507U	0.0000821U	0.0000579U	0.0000453U	0.0000453U	0.0000507U	0.0000507U	0.0000821U	0.0000579U	0.0000453U	0.0000453U	0.0000507U	0.0000507U
Tetrachloroethene (PCE)	127-18-4	mg/L	0.005	0.000200U	0.000153U	0.0000998U	0.0000998U	0.000121U	0.000121U	0.000200U	0.000153U	0.0000998U	0.0000998U	0.000121U	0.000121U	0.000200U	0.000153U	0.0000998U	0.0000998U	0.000121U	0.000121U
Toluene	108-88-3	mg/L	1.00	0.0000675U	0.0000755U	0.0000820U	0.0000820U	0.0000590U	0.0000590U	0.0000675U	0.0000755U	0.0000820U	0.0000820U	0.0000590U	0.0000590U	0.0000675U	0.0000755U	0.0000820U	0.0000820U	0.0000590U	0.0000590U
Trichloroethene (TCE)	79-01-6	mg/L	0.005	0.000164U	0.000118U	0.0000974U	0.0000974U	**0.00200J**	0.0000618U	***0.08***	***0.094***	***0.029***	***0.01529***	***0.012***	***0.149***	0.000164U	0.000118U	0.0000974U	0.0000974U	0.0000618U	0.0000618U
Trichlorofloromethane	75-69-4	mg/L	0.13	0.0000638U	0.000138U	0.0000720U	0.0000720U	0.000123U	0.000123U	0.0000638U	0.000138U	0.0000720U	0.0000720U	0.000123U	0.000123U	0.0000638U	0.000138U	0.0000720U	0.0000720U	0.000123U	0.000123U
Trichlorotrifloroethane	76-13-1	mg/L	NE	0.000168U	0.000230U	0.0000682U	0.0000682U	0.000127U	0.000127U	0.000168U	0.000230U	0.0000682U	0.0000682U	0.000127U	0.000127U	0.000168U	0.000230U	0.0000682U	0.0000682U	0.000127U	0.000127U
Vinyl chloride (child/adult)	75-01-4	mg/L	0.002	0.0000538U	0.000155U	0.0000767U	0.0000767U	0.0000930U	0.0000930U	0.0000538U	0.000155U	0.0000767U	0.0000767U	0.0000930U	0.0000930U	0.0000538U	0.000155U	0.0000767U	0.0000767U	0.0000930U	0.0000930U
Xylenes (total)	1330-20-7	mg/L	10	0.000194U	0.000183U	0.000334U	0.000334U	0.0000502U	0.0000502U	0.000194U	0.000183U	0.000334U	0.000334U	0.0000502U	0.0000502U	0.000194U	0.000183U	0.000334U	0.000334U	0.0000502U	0.0000502U
(cis)-1,2-Dichloroethene	156-59-2	mg/L	0.07	0.0000745U	0.000162U	0.000103U	0.000103U	0.0000613U	0.0000613U	**0.00626**	0.00934	**0.00955**	0.000103U	**0.00137J**	0.00943	0.0000745U	0.000162U	0.000103U	0.000103U	0.0000613U	0.0000613U
Methyl tert-butyl ether (MTBE)	1634-04-4	mg/L	0.011	0.0000756U	0.0000769U	0.0000972U	0.0000770U	0.0000517U	0.0000517U	0.0000756U	0.0000769U	0.0000972U	0.0000770U	0.0000517U	0.0000517U	0.0000756U	0.0000769U	0.0000972U	0.0000770U	0.0000517U	0.0000517U
(trans)-1,2-Dichloroethene	156-60-5	mg/L	0.10	0.0000573U	0.000122U	0.0000955U	0.0000955U	0.000107U	0.000107U	0.0000573U	0.000122U	0.0000955U	0.0000955U	0.000107U	0.000107U	0.0000573U	0.000122U	0.0000955U	0.0000955U	0.000107U	0.000107U
Dichlorodifluoromethane				NA	NA	0.0000608U	0.0000608U	0.0000960U	NA	NA	NA	0.0000608U	0.0000608U	0.0000960U	NA	NA	NA	0.0000608U	0.0000608U	0.0000960U	NA

Footnotes

- ARBCA Preliminary Screening Values (PSVs) for Groundwater/Tap Water, June 2007
- Italicized contaminant – no ARBCA PSV available.
[a] – EPA Regional Screening Level for Chemical Contaminants at Superfund Sites
- Bold font indicates a detected concentration
- Bold, italicized, and underlined font indicates that a concentration exceeds an ARBCA PS
- 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
NA = Not analyzed

TABLE 3
Groundwater Sample Results
OMS 28
Brookley Air Force Base

ARBCA PRELIMINARY SCREENING VALUES (PSVs)				Sample Location																	
CONTAMINANT Volatile Organic Compounds (VOCs)	CAS Number	Units	Tap Water	OMS-28-5						OMS-28-6 (Deep Well)						OMS-28-7					
				07/01/08	12/11/08	05/08/09	09/24/09	03/19/10	09/07/10	07/08/08	12/10/08	05/08/09	09/24/09	03/18/10	09/07/10	07/01/08	12/10/08	05/08/09	09/24/09	03/18/10	09/07/10
1,1,1-Trichloroethane	71-55-6	mg/L	0.02	0.0000683U	0.0000963U	0.0000432U	0.0000432U	0.000106U	0.000106U	0.0000683U	0.0000963U	0.0000432U	0.0000432U	0.000106U	0.000106U	0.0000683U	0.0000963U	0.0000432U	0.0000432U	0.000106U	0.000106U
1,1,2,2-Tetrachloroethane	79-34-5	mg/L	0.000055	0.000148U	0.000154U	0.000105U	0.000105U	0.0000728U	0.0000728U	0.000148U	0.000154U	0.000105U	0.000105U	0.0000728U	0.0000728U	0.000148U	0.000154U	0.000105U	0.000105U	0.0000728U	0.0000728U
1,1,2-Trichloroethane	79-00-5	mg/L	0.005	0.000146U	0.0000928U	0.0000547U	0.0000547U	0.0000951U	0.0000951U	0.000146U	0.0000928U	0.0000547U	0.0000547U	0.0000951U	0.0000951U	0.000146U	0.0000928U	0.0000547U	0.0000547U	0.0000951U	0.0000951U
1,1-Dichloroethane	75-34-3	mg/L	0.081	0.0000801U	0.0000859U	0.0000346U	0.0000346U	0.0000305U	0.0000305U	0.0000801U	0.0000859U	0.0000346U	0.0000346U	0.0000305U	0.0000305U	0.0000801U	0.0000859U	0.0000346U	0.0000346U	0.0000305U	0.0000305U
1,1-Dichloroethene	75-35-4	mg/L	0.007	0.0000961U	0.000201U	0.000119U	0.000119U	0.000164U	0.000164U	0.0000961U	0.000201U	0.000119U	0.000119U	0.000164U	0.000164U	0.0000961U	0.000201U	0.000119U	0.000119U	0.000164U	0.000164U
1,2,4-Trichlorobenzene	120-82-1	mg/L	0.07	0.000223U	0.0000912U	0.000107U	0.000107U	0.000119U	0.000119U	0.000223U	0.0000912U	0.000107U	0.000107U	0.000119U	0.000119U	0.000223U	0.0000912U	0.000107U	0.000107U	0.000119U	0.000119U
1,2-Dibromo-3-chloropropane	96-12-8	mg/L	0.0002	0.000356U	0.000129U	0.000129U	0.000129U	0.0000823U	0.0000823U	0.000356U	0.000129U	0.000129U	0.000129U	0.0000823U	0.0000823U	0.000356U	0.000129U	0.000129U	0.000129U	0.0000823U	0.0000823U
1,2-Dibromoethane	106-93-4	mg/L	0.00005	0.000158U	0.000202U	0.0000651U	0.0000651U	0.0000468U	0.0000468U	0.000158U	0.000202U	0.0000651U	0.0000651U	0.0000468U	0.0000468U	0.000158U	0.000202U	0.0000651U	0.0000651U	0.0000468U	0.0000468U
1,2-Dichlorobenzene	95-50-1	mg/L	0.60	0.000109U	0.0000690U	0.000102U	0.000102U	0.0000789U	0.0000789U	0.000109U	0.0000690U	0.000102U	0.000102U	0.0000789U	0.0000789U	0.000109U	0.0000690U	0.000102U	0.000102U	0.0000789U	0.0000789U
1,2-Dichloroethane	107-06-2	mg/L	0.01	0.0000663U	0.0000898U	0.0000640U	0.0000640U	0.0000860U	0.0000860U	0.0000663U	0.0000898U	0.0000640U	0.0000640U	0.0000860U	0.0000860U	0.0000663U	0.0000898U	0.0000640U	0.0000640U	0.0000860U	0.0000860U
1,2-Dichloropropane	78-87-5	mg/L	0.01	0.0000555U	0.0000960U	0.0000559U	0.0000559U	0.0000641U	0.0000641U	0.0000555U	0.0000960U	0.0000559U	0.0000559U	0.0000641U	0.0000641U	0.0000555U	0.0000960U	0.0000559U	0.0000559U	0.0000641U	0.0000641U
1,3-Dichlorobenzene	541-73-1	mg/L	0.018	0.0000861U	0.000132U	0.0000937U	0.0000937U	0.0000988U	0.0000988U	0.0000861U	0.000132U	0.0000937U	0.0000937U	0.0000988U	0.0000988U	0.0000861U	0.000132U	0.0000937U	0.0000937U	0.0000988U	0.0000988U
1,4-Dichlorobenzene	106-46-7	mg/L	0.075	0.000961U	0.0000572U	0.000129U	0.000129U	0.000118U	0.000118U	0.0000961U	0.0000572U	0.000129U	0.000129U	0.000118U	0.000118U	0.0000961U	0.0000572U	0.000129U	0.000129U	0.000118U	0.000118U
2-Butanone (MEK)	78-93-3	mg/L	0.70	0.000487U	0.000176U	0.000405U	0.000405U	0.0000933U	0.0000933U	0.000487U	0.000176U	0.000405U	0.000405U	0.0000933U	0.0000933U	0.000487U	0.000176U	0.000405U	0.000405U	0.0000933U	0.0000933U
2-Hexanone	591-78-6	mg/L	NE	0.000308U	0.000105U	0.0000661U	0.0000661U	0.000503U	0.000503U	0.000308U	0.000105U	0.0000661U	0.0000661U	0.000503U	0.000503U	0.000308U	0.000105U	0.0000661U	0.0000661U	0.000503U	0.000503U
4-Methyl-2-pentanone (Hexone)	108-10-1	mg/L	0.20	0.0100113U	0.0000781U	0.000123U	0.00123U	0.0000654U	0.0000654U	0.000113U	0.0000781U	0.000123U	0.000123U	0.0000654U	0.0000654U	0.000113U	0.0000781U	0.000123U	0.000123U	0.0000654U	0.0000654U
Acetone	67-64-1	mg/L	0.55	**0.00355J**	0.000914U	0.000791U	0.00079U	**0.011J**	0.00115U	**0.00305J**	0.000914U	0.000791U	0.000791U	0.00115U	0.00115U	**0.00487J**	0.000914U	0.000791U	0.000791U	0.00115U	0.00115U
Benzene	71-43-2	mg/L	0.005	0.0000624U	0.0000649U	0.0000747U	0.0000747U	0.0000542U	0.0000542U	0.0000624U	0.0000649U	0.0000747U	0.0000747U	0.0000542U	0.0000542U	0.0000624U	0.0000649U	0.0000747U	0.0000747U	0.0000542U	0.0000542U
Bromodichloromethane	75-27-4	mg/L	0.08	0.0000875U	0.000144U	0.0000574U	0.0000574U	0.0000531U	0.0000531U	0.0000875U	0.000144U	0.0000574U	0.0000574U	0.0000531U	0.0000531U	0.0000875U	0.000144U	0.0000574U	0.0000574U	0.0000531U	0.0000531U
Bromoform	75-25-2	mg/L	0.08	0.0000947U	0.000172U	0.000198U	0.000198U	0.000104U	0.000104U	0.0000947U	0.000172U	0.000198U	0.000198U	0.000104U	0.000104U	0.0000947U	0.000172U	0.000198U	0.000198U	0.000104U	0.000104U
Bromomethane (Methyl bromide)	74-83-9	mg/L	0.00087	0.000252U	0.000271U	0.000141U	0.000141U	0.000264U	0.000264U	0.000252U	0.000271U	0.000141U	0.000141U	0.000264U	0.000264U	0.000252U	0.000271U	0.000141U	0.000141U	0.000264U	0.000264U
Carbon Disulfide	75-15-0	mg/L	0.10	0.000184U	0.0000774U	0.000179U	0.000179U	0.000143U	0.000143U	0.000184U	0.0000774U	0.000179U	0.000179U	0.000143U	0.000143U	0.000184U	0.0000774U	0.000179U	0.000179U	0.000143U	0.000143U
Carbon Tetrachloride	56-23-5	mg/L	0.01	0.0000825U	0.000156U	0.0000825U	0.0000825U	0.000148U	0.000148U	0.0000825U	0.000156U	0.0000825U	0.0000825U	0.000148U	0.000148U	0.0000825U	0.000156U	0.0000825U	0.0000825U	0.000148U	0.000148U
Chlorobenzene	108-90-7	mg/L	0.10	0.0000631U	0.000287U	0.0000715U	0.0000715U	0.0000274U	0.0000274U	0.0000631U	0.000287U	0.0000715U	0.0000715U	0.0000274U	0.0000274U	0.0000631U	0.000287U	0.0000715U	0.0000715U	0.0000274U	0.0000274U
Chloroethane	75-00-3	mg/L	0.0046	0.0000618U	0.000181U	0.000140U	0.000140U	0.000351U	0.000351U	0.0000618U	0.000181U	0.000140U	0.000140U	0.000351U	0.000351U	0.0000618U	0.000181U	0.000140U	0.000140U	0.000351U	0.000351U
Chloroform	67-66-3	mg/L	0.08	0.0000426U	0.000164U	0.000287U	0.000287U	0.0000565U	0.0000565U	0.0000426U	0.000164U	0.000287U	0.000287U	0.0000565U	0.0000565U	0.0000426U	0.000164U	0.000287U	0.000287U	0.0000565U	0.0000565U
Chloromethane (Methyl chloride)	74-87-3	mg/L	0.0016	0.000249U	0.000101U	0.000116U	0.000116U	0.0000886U	0.0000886U	0.000249U	0.000101U	0.000116U	0.000116U	0.0000886U	0.0000886U	0.000249U	0.000101U	0.000116U	0.000116U	0.0000886U	0.0000886U
Cyclohexane	110-82-7	mg/L	100[a]	0.0000722U	0.000105U	0.0000722U	0.0000722U	0.0000644U	0.0000644U	0.0000722U	0.000105U	0.0000722U	0.0000722U	0.0000644U	0.0000644U	0.0000722U	0.000105U	0.0000722U	0.0000722U	0.0000644U	0.0000644U
Dibromochloromenthane	124-48-1	mg/L	0.08	0.0000637U	0.0000975U	0.0000326U	0.0000326U	0.0000407U	0.0000407U	0.0000637U	0.0000975U	0.0000326U	0.0000326U	0.0000407U	0.0000407U	0.0000637U	0.0000975U	0.0000326U	0.0000326U	0.0000407U	0.0000407U
Dibromodifluromenthane	75-71-8	mg/L	0.039	0.0000680U	NA	NA	NA	NA	0.0000960U	0.0000680U	NA	NA	NA	NA	0.0000960U	0.0000680U	NA	NA	NA	NA	0.0000960U
cis-1,3-Dichloropropene	542-75-6	mg/L	0.0004	0.0000746U	0.000116U	0.0000315U	0.0000315U	0.0000312U	0.0000312U	0.0000746U	0.000116U	0.0000315U	0.0000315U	0.0000312U	0.0000312U	0.0000746U	0.000116U	0.0000315U	0.0000315U	0.0000312U	0.0000312U
trans-1,3-Dichloropropene	542-75-6	mg/L	0.0004	0.0000702U	0.0000623U	0.0000561U	0.0000561U	0.0000542U	0.0000542U	0.0000702U	0.0000623U	0.0000561U	0.0000561U	0.0000542U	0.0000542U	0.0000702U	0.0000623U	0.0000561U	0.0000561U	0.0000542U	0.0000542U
Ethylbenzene	100-41-4	mg/L	0.70	0.0000924U	0.0000652U	0.0000522U	0.0000522U	0.0000627U	0.0000627U	0.0000924U	0.0000652U	0.0000522U	0.0000522U	0.0000627U	0.0000627U	0.0000924U	0.0000652U	0.0000522U	0.0000522U	0.0000627U	0.0000627U
Isopropylbenzene (Cumene)	98-82-8	mg/L	0.66	0.0000569U	0.000135U	0.0000708U	0.0000708U	0.0000347U	0.0000347U	0.0000569U	0.000135U	0.0000708U	0.0000708U	0.0000347U	0.0000347U	0.0000569U	0.000135U	0.0000708U	0.0000708U	0.0000347U	0.0000347U
Methyl acetate	79-20-9	mg/L	6100[a]	0.000375U	0.000994U	0.000373U	0.000373U	0.00142U	0.00142U	0.000375U	0.000994U	0.000373U	0.000373U	0.00142U	0.00142U	0.000375U	0.000994U	0.000373U	0.000373U	0.00142U	0.00142U
Methylcyclohexane	108-87-2	mg/L	2600[a]	0.0000921U	0.0000754U	0.0000456U	0.0000456U	0.0000722U	0.0000722U	0.0000921U	0.0000754U	0.0000456U	0.0000456U	0.0000722U	0.0000722U	0.0000921U	0.0000754U	0.0000456U	0.0000456U	0.0000722U	0.0000722U
Methylene Chloride	75-09-2	mg/L	0.005	0.0000765U	0.0000959U	0.000142U	0.000142U	0.000327U	0.000327U	0.0000765U	0.0000959U	0.000142U	0.000142U	0.000327U	0.000327U	0.0000765U	0.0000959U	0.000142U	0.000142U	0.000327U	0.000327U
Naphthalene	91-20-3	mg/L	0.00062	0.000245U	0.000118U	0.000101U	0.000101U	0.0000817U	0.0000817U	0.000245U	0.000118U	0.000101U	0.000101U	0.0000817U	0.0000817U	0.000245U	***0.00428J***	0.000101U	0.000101U	0.0000817U	0.0000817U
Styrene	100-42-5	mg/L	0.1	0.0000821U	0.0000579U	0.0000453U	0.0000453U	0.0000507U	0.0000507U	0.0000821U	0.0000579U	0.0000453U	0.0000453U	0.0000507U	0.0000507U	0.0000821U	0.0000579U	0.0000453U	0.0000453U	0.0000507U	0.0000507U
Tetrachloroethene (PCE)	127-18-4	mg/L	0.005	***0.13***	***0.0092***	***0.234***	***0.00802***	***0.081***	***0.033***	0.000200U	0.000153U	0.0000998U	0.0000998U	0.000121U	0.000121U	0.000200U	0.000153U	0.0000998U	0.0000998U	0.000121U	0.000121U
Toluene	108-88-3	mg/L	1.00	0.0000675U	0.0000755U	0.0000820U	0.0000820U	0.0000590U	0.0000590U	0.0000675U	0.0000755U	0.0000820U	0.0000820U	0.0000590U	0.0000590U	0.0000675U	0.0000755U	0.0000820U	0.0000820U	0.0000590U	0.0000590U
Trichloroethene (TCE)	79-01-6	mg/L	0.005	***0.039***	***0.014***	***0.162***	***0.011***	***0.051***	***0.019***	0.000164U	0.000118U	0.0000974U	0.0000974U	0.0000618U	0.0000618U	**0.00173J**	0.000118U	**0.000684J**	0.0000974U	0.0000618U	0.0000618U
Trichlorofloromethane	75-69-4	mg/L	0.13	0.0000638U	0.000138U	0.0000720U	0.0000720U	0.000123U	0.000123U	0.0000638U	0.000138U	0.0000720U	0.0000720U	0.000123U	0.000123U	0.0000638U	0.000138U	0.0000720U	0.0000720U	0.000123U	0.000123U
Trichlorotrifloroethane	76-13-1	mg/L	NE	0.000168U	0.000230U	0.0000682U	0.0000682U	0.000127U	0.000127U	0.000168U	0.000230U	0.0000682U	0.0000682U	0.000127U	0.000127U	0.000168U	0.000230U	0.0000682U	0.0000682U	0.000127U	0.000127U
Vinyl chloride (child/adult)	75-01-4	mg/L	0.002	0.0000538U	0.0000155U	0.0000767U	0.0000767U	0.0000930U	0.0000930U	0.0000538U	0.0000155U	0.0000767U	0.0000767U	0.0000930U	0.0000930U	0.0000538U	0.0000155U	0.0000767U	0.0000767U	0.0000930U	0.0000930U
Xylenes (total)	1330-20-7	mg/L	10	0.000194U	0.000183U	0.000334U	0.000334U	0.0000502U	0.0000502U	0.000194U	0.000183U	0.000334U	0.000334U	0.0000502U	0.0000502U	0.000194U	0.000183U	0.000334U	0.000334U	0.0000502U	0.0000502U
(cis)-1,2-Dichloroethene	156-59-2	mg/L	0.07	**0.012**	**0.0087**	**0.02**	**0.00912**	**0.00630**	**0.00869**	0.0000745U	0.000162U	0.000103U	0.000103U	0.0000613U	0.0000613U	0.0000745U	0.000162U	0.000103U	0.000103U	0.0000613U	0.0000613U
Methyl tert-butyl ether (MTBE)	1634-04-4	mg/L	0.011	0.0000756U	0.0000769U	0.0000972U	0.0000770U	0.0000517U	0.0000517U	0.0000756U	0.0000769U	0.0000972U	0.0000770U	0.0000517U	0.0000517U	0.0000756U	0.0000769U	0.0000972U	0.0000770U	0.0000517U	0.0000517U
(trans)-1,2-Dichloroethene	156-60-5	mg/L	0.10	**0.005**	0.000122U	**0.00241J**	0.0000955U	0.000107U	0.000107U	0.0000573U	0.000122U	0.0000955U	0.0000955U	0.000107U	0.000107U	0.0000573U	0.000122U	0.0000955U	0.0000955U	0.000107U	0.000107U
Dichlorodifluoromethane				NA	NA	0.0000608U	0.0000608U	0.0000960U	NA	NA	NA	0.0000608U	0.0000608U	0.0000960U	NA	NA	NA	0.0000608U	0.0000608U	0.0000960U	NA

Footnotes

- ARBCA Preliminary Screening Values (PSVs) for Groundwater/Tap Water, June 2007
- Italicized contaminant – no ARBCA PSV available.
[a] – EPA Regional Screening Level for Chemical Contaminants at Superfund Sites
- Bold font indicates a detected concentration
- Bold, italicized, and underlined font indicates that a concentration exceeds an ARBCA PS
- 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
NA = Not analyzed

TABLE 3
Groundwater Sample Results
OMS 28
Brookley Air Force Base

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-1 (OMS-28-4)	DUP-1 (OMS-28-1)	DUP-1 (OMS-28-4)	DUP-1 (OMS-28-3)	DUP-1 (MW-8)
				07/08/08	07/01/08	12/10/08	05/08/09	09/24/09	03/18/10	09/07/10	07/08/08	12/11/08	05/08/09	09/24/09	03/19/10	09/07/10	07/01/08	12/10/08	05/08/09	09/24/09	03/19/10	09/07/10
1,1,1-Trichloroethane	71-55-6	mg/L	0.02	0.0000683U	0.0000683U	0.0000963U	0.0000432U	0.0000432U	0.000106U	0.000106U	0.0000683U	0.0000963U	0.0000432U	0.0000432U	0.000106U	0.000106U	0.0000683U	0.0000963U	0.0000432U	0.0000432U	0.000106U	0.000106U
1,1,2,2-Tetrachloroethane	79-34-5	mg/L	0.000055	0.000148U	0.000148U	0.000154U	0.000105U	0.000105U	0.0000728U	0.0000728U	0.000148U	0.000154U	0.000105U	0.000105U	0.0000728U	0.0000728U	0.000148U	0.000154U	0.000105U	0.000105U	0.0000728U	0.0000728U
1,1,2-Trichloroethane	79-00-5	mg/L	0.005	0.000146U	0.000146U	0.0000928U	0.0000547U	0.0000547U	0.0000951U	0.0000951U	0.000146U	0.0000928U	0.0000547U	0.0000547U	0.0000951U	0.0000951U	0.000146U	0.0000928U	0.0000547U	0.0000547U	0.0000951U	0.0000951U
1,1-Dichloroethane	75-34-3	mg/L	0.081	0.0000801U	0.0000801U	0.0000859U	0.0000346U	0.0000346U	0.0000305U	0.0000305U	0.0000801U	0.0000859U	0.0000346U	0.0000346U	0.0000305U	0.0000305U	0.0000801U	0.0000859U	0.0000346U	0.0000346U	0.0000305U	0.0000305U
1,1-Dichloroethene	75-35-4	mg/L	0.007	0.0000961U	0.0000961U	0.000201U	0.000119U	0.000119U	0.000164U	0.000164U	0.0000961U	0.000201U	0.000119U	0.000119U	0.000164U	0.000164U	0.0000961U	0.000201U	0.000119U	0.000119U	0.000164U	0.000164U
1,2,4-Trichlorobenzene	120-82-1	mg/L	0.07	0.000223U	0.000223U	0.0000912U	0.000107U	0.000107U	0.000119U	0.000119U	0.000223U	0.0000912U	0.000107U	0.000107U	0.000119U	0.000119U	0.000223U	0.0000912U	0.000107U	0.000107U	0.000119U	0.000119U
1,2-Dibromo-3-chloropropane	96-12-8	mg/L	0.0002	0.000356U	0.000356U	0.000129U	0.000129U	0.000129U	0.0000823U	0.0000823U	0.000356U	0.000129U	0.000129U	0.000129U	0.0000823U	0.0000823U	0.000356U	0.000129U	0.000129U	0.000129U	0.0000823U	0.0000823U
1,2-Dibromoethane	106-93-4	mg/L	0.00005	0.000158U	0.000158U	0.000202U	0.0000651U	0.0000651U	0.0000468U	0.0000468U	0.000158U	0.000202U	0.0000651U	0.0000651U	0.0000468U	0.0000468U	0.000158U	0.000202U	0.0000651U	0.0000651U	0.0000468U	0.0000468U
1,2-Dichlorobenzene	95-50-1	mg/L	0.60	0.000109U	0.000109U	0.0000690U	0.000102U	0.000102U	0.0000789U	0.0000789U	0.000109U	0.0000690U	0.000102U	0.000102U	0.0000789U	0.0000789U	0.000109U	0.0000690U	0.000102U	0.000102U	0.0000789U	0.0000789U
1,2-Dichloroethane	107-06-2	mg/L	0.01	0.0000663U	0.0000663U	0.0000898U	0.0000640U	0.0000640U	0.0000860U	0.0000860U	0.0000663U	0.0000898U	0.0000640U	0.0000640U	0.0000860U	0.0000860U	0.0000663U	0.0000898U	0.0000640U	0.0000640U	0.0000860U	0.0000860U
1,2-Dichloropropane	78-87-5	mg/L	0.01	0.0000555U	0.0000555U	0.0000960U	0.0000559U	0.0000559U	0.0000641U	0.0000641U	0.0000555U	0.0000960U	0.0000559U	0.0000559U	0.0000641U	0.0000641U	0.0000555U	0.0000960U	0.0000559U	0.0000559U	0.0000641U	0.0000641U
1,3-Dichlorobenzene	541-73-1	mg/L	0.018	0.0000861U	0.0000861U	0.000132U	0.0000937U	0.0000937U	0.0000988U	0.0000988U	0.0000861U	0.000132U	0.0000937U	0.0000937U	0.0000988U	0.0000988U	0.0000861U	0.000132U	0.0000937U	0.0000937U	0.0000988U	0.0000988U
1,4-Dichlorobenzene	106-46-7	mg/L	0.075	0.0000961U	0.0000961U	0.0000572U	0.000129U	0.000129U	0.000118U	0.000118U	0.0000961U	0.0000572U	0.000129U	0.000129U	0.000118U	0.000118U	0.0000961U	0.0000572U	0.000129U	0.000129U	0.000118U	0.000118U
2-Butanone (MEK)	78-93-3	mg/L	0.70	0.000487U	0.000487U	0.000176U	0.000405U	0.000405U	0.0000933U	0.0000933U	0.000487U	0.000176U	0.000405U	0.000405U	0.0000933U	0.0000933U	0.0000487U	0.000176U	0.000405U	0.000405U	0.0000933U	0.0000933U
2-Hexanone	591-78-6	mg/L	NE	0.000308U	0.000308U	0.000105U	0.0000661U	0.0000661U	0.000503U	0.000503U	0.000308U	0.000105U	0.0000661U	0.0000661U	0.000503U	0.000503U	0.000308U	0.000105U	0.0000661U	0.0000661U	0.000503U	0.000503U
4-Methyl-2-pentanone (Hexone)	108-10-1	mg/L	0.20	0.000113U	0.000113U	0.0000781U	0.000123U	0.000123U	0.0000654U	0.0000654U	0.000113U	0.0000781U	0.000123U	0.000123U	0.0000654U	0.0000654U	0.000113U	0.0000781U	0.000123U	0.000123U	0.0000654U	0.0000654U
Acetone	67-64-1	mg/L	0.55	**0.00563J**	**0.00366J**	0.000914U	0.000791U	0.000791U	0.00115U	0.00115U	**0.00345J**	0.000914U	0.000791U	0.000791U	0.00115U	0.00115U	**0.00430J**	0.000914U	0.000791U	0.000791U	**0.00529J**	0.00115U
Benzene	71-43-2	mg/L	0.005	0.0000624U	0.0000624U	0.0000649U	0.0000747U	0.0000747U	0.0000542U	0.0000542U	0.0000624U	0.0000649U	0.0000747U	0.0000747U	0.0000542U	0.0000542U	0.0000624U	0.0000649U	0.0000747U	0.0000747U	0.0000542U	0.0000542U
Bromodichloromethane	75-27-4	mg/L	0.08	0.0000875U	0.0000875U	0.000144U	0.0000574U	0.0000574U	0.0000531U	0.0000531U	0.0000875U	0.000144U	0.0000574U	0.0000574U	0.0000531U	0.0000531U	0.0000875U	0.000144U	0.0000574U	0.0000574U	0.0000531U	0.0000531U
Bromoform	75-25-2	mg/L	0.08	0.0000947U	0.0000947U	0.000172U	0.000198U	0.000198U	0.000104U	0.000104U	0.0000947U	0.000172U	0.000198U	0.000198U	0.000104U	0.000104U	0.0000947U	0.000172U	0.000198U	0.000198U	0.000104U	0.000104U
Bromomethane (Methyl bromide)	74-83-9	mg/L	0.00087	0.000252U	0.000252U	0.000271U	0.000141U	0.000141U	0.000264U	0.000264U	0.000252U	0.000271U	0.000141U	0.000141U	0.000264U	0.000264U	0.000252U	0.000271U	0.000141U	0.000141U	0.000264U	0.000264U
Carbon Disulfide	75-15-0	mg/L	0.10	0.000184U	0.000184U	0.0000774U	0.000179U	0.000179U	0.000143U	0.000143U	0.000184U	0.0000774U	0.000179U	0.000179U	0.000143U	0.000292J	0.000184U	0.0000774U	0.000179U	0.000179U	0.000143U	0.000143U
Carbon Tetrachloride	56-23-5	mg/L	0.01	0.0000825U	0.0000825U	0.000156U	0.0000825U	0.0000825U	0.000148U	0.000148U	0.0000825U	0.000156U	0.0000825U	0.0000825U	0.000148U	0.000148U	0.0000825U	0.000156U	0.0000825U	0.0000825U	0.000148U	0.000148U
Chlorobenzene	108-90-7	mg/L	0.10	0.0000631U	0.0000631U	0.000287U	0.0000715U	0.0000715U	0.0000274U	0.0000274U	0.0000631U	0.000287U	0.0000715U	0.0000715U	0.0000274U	0.0000274U	0.0000631U	0.000287U	0.0000715U	0.0000715U	0.0000274U	0.0000274U
Chloroethane	75-00-3	mg/L	0.0046	0.0000618U	0.0000618U	0.000181U	0.000140U	0.000140U	0.000351U	0.000351U	0.0000618U	0.000181U	0.000140U	0.000140U	0.000351U	0.000351U	0.0000618U	0.000181U	0.000140U	0.000140U	0.000351U	0.000351U
Chloroform	67-66-3	mg/L	0.08	**0.014**	0.0000426U	0.000164U	0.000287U	0.000287U	0.0000565U	0.0000565U	0.0000426U	0.000164U	0.000287U	0.000287U	0.0000565U	0.0000565U	0.0000426U	0.000164U	**0.00338J**	0.000287U	0.0000565U	0.0000565U
Chloromethane (Methyl chloride)	74-87-3	mg/L	0.0016	**0.000963J**	**0.000884J**	0.000101U	0.000116U	0.000116U	0.0000886U	0.0000886U	**0.00133J**	0.000101U	0.000116U	0.000116U	0.0000886U	0.0000886U	0.000249U	0.000101U	0.000116U	0.000116U	0.0000886U	0.0000886U
Cyclohexane	110-82-7	mg/L	1000[a]	0.0000722U	0.0000722U	0.000105U	0.0000722U	0.0000722U	0.0000644U	0.0000644U	0.0000722U	0.000105U	0.0000722U	0.0000722U	0.0000644U	0.0000644U	0.0000722U	0.000105U	0.0000722U	0.0000722U	0.0000644U	0.0000644U
Dibromochloromenthane	124-48-1	mg/L	0.08	0.0000637U	0.0000637U	0.0000975U	0.0000326U	0.0000326U	0.0000407U	0.0000407U	0.0000637U	0.0000975U	0.0000326U	0.0000326U	0.0000407U	0.0000407U	0.0000637U	0.0000975U	0.0000326U	0.0000326U	0.0000407U	0.0000407U
Dibromodifluromenthane	75-71-8	mg/L	0.039	0.0000680U	0.0000680U	NA	NA	NA	NA	0.0000960U	0.0000688U	NA	NA	NA	NA	0.0000960U	0.0000680U	NA	NA	NA	NA	0.0000960U
cis-1,3-Dichloropropene	542-75-6	mg/L	0.0004	0.0000746U	0.0000746U	0.000116U	0.0000315U	0.0000315U	0.0000312U	0.0000312U	0.0000746U	0.000116U	0.0000315U	0.0000315U	0.0000312U	0.0000312U	0.0000746U	0.000116U	0.0000315U	0.0000315U	0.0000312U	0.0000312U
trans-1,3-Dichloropropene	542-75-6	mg/L	0.0004	0.0000702U	0.0000702U	0.0000623U	0.0000561U	0.0000561U	0.0000542U	0.0000542U	0.0000702U	0.0000623U	0.0000561U	0.0000561U	0.0000542U	0.0000542U	0.0000702U	0.0000623U	0.0000561U	0.0000561U	0.0000542U	0.0000542U
Ethylbenzene	100-41-4	mg/L	0.70	0.0000924U	0.0000924U	0.0000652U	0.0000522U	0.0000522U	0.0000627U	0.0000627U	0.0000924U	0.0000652U	0.0000522U	0.0000522U	0.0000627U	0.0000627U	0.0000924U	0.0000652U	0.0000522U	0.0000522U	0.0000627U	0.0000627U
Isopropylbenzene (Cumene)	98-82-8	mg/L	0.66	0.0000569U	0.0000569U	0.000135U	0.0000708U	0.0000708U	0.0000347U	0.0000347U	0.0000569U	0.000135U	0.0000708U	0.0000708U	0.0000347U	0.0000347U	0.0000569U	0.000135U	0.0000708U	0.0000708U	0.0000347U	0.0000347U
Methyl acetate	79-20-9	mg/L	6100[a]	0.000375U	0.000375U	0.000994U	0.000373U	0.000373U	0.00142U	0.00142U	0.000375U	0.000994U	0.000373U	0.000373U	0.00142U	0.00142U	0.000375U	0.000994U	0.000373U	0.000373U	0.00142U	0.00142U
Methylcyclohexane	108-87-2	mg/L	2600[a]	0.0000921U	0.0000921U	0.0000754U	0.0000456U	0.0000456U	0.0000722U	0.0000722U	**0.0000921**	0.0000754U	0.0000456U	0.0000456U	0.0000722U	0.0000722U	0.0000921U	0.0000754U	0.0000456U	0.0000456U	0.0000722U	0.0000722U
Methylene Chloride	75-09-2	mg/L	0.005	**0.00278J**	**0.000797J**	0.0000959U	0.000142U	0.000142U	0.000327U	0.000327U	**0.000800J**	0.0000959U	0.000142U	0.000142U	0.000327U	0.000327U	0.0000765U	0.0000959U	0.000142U	0.000142U	0.000327U	0.000327U
Naphthalene	91-20-3	mg/L	0.00062	0.000245U	0.000245U	0.000118U	0.000101U	0.000101U	0.0000817U	0.0000817U	0.000245U	0.000118U	0.000101U	0.000101U	0.0000817U	0.0000817U	0.000245U	0.000118U	0.000101U	0.000101U	0.0000817U	0.0000817U
Styrene	100-42-5	mg/L	0.1	0.0000821U	0.0000821U	0.0000579U	0.0000453U	0.0000453U	0.0000507U	0.0000507U	0.0000821U	0.0000579U	0.0000453U	0.0000453U	0.0000507U	0.0000507U	0.0000821U	0.0000579U	0.0000453U	0.0000453U	0.0000507U	0.0000507U
Tetrachloroethene (PCE)	127-18-4	mg/L	0.005	0.000200U	0.000200U	0.000153U	0.0000998U	0.0000998U	0.000121U	0.000121U	0.000200U	0.000153U	0.0000998U	0.0000998U	0.000121U	0.000121U	0.000200U	0.000153U	0.0000998U	0.0000998U	0.000121U	0.000121U
Toluene	108-88-3	mg/L	1.00	**0.000369J**	0.0000675U	0.0000755U	0.0000820U	0.0000820U	0.0000590U	0.0000590U	0.0000675U	0.0000755U	0.0000820U	0.0000820U	0.0000590U	0.0000590U	0.0000675U	0.0000755U	0.0000820U	0.0000820U	0.0000590U	0.0000590U
Trichloroethene (TCE)	79-01-6	mg/L	0.005	0.000164U	0.000164U	0.000118U	0.0000974U	0.0000974U	0.0000618U	0.0000618U	0.000164U	0.000118U	0.0000974U	0.0000974U	0.0000618U	0.0000618U	***0.129***	0.000118U	0.0000974U	0.0000974U	***0.013***	***0.013***
Trichlorofloromethane	75-69-4	mg/L	0.13	0.0000638U	0.0000638U	0.0000638U	0.000138U	0.0000720U	0.0000720U	0.0000720U	0.0000638U	0.000138U	0.0000720U	0.0000720U	0.000123U	0.000123U	0.0000638U	0.000138U	0.0000720U	0.0000720U	0.000123U	0.000123U
Trichlorotrifloroethane	76-13-1	mg/L	NE	0.000168U	0.000168U	0.000230U	0.0000682U	0.0000682U	0.000127U	0.000127U	0.000168U	0.000230U	0.0000682U	0.0000682U	0.000127U	0.000127U	0.000168U	0.000230U	0.0000682U	0.0000682U	0.000127U	0.000127U
Vinyl chloride (child/adult)	75-01-4	mg/L	0.002	**0.0000538**	0.0000538U	0.000155U	0.0000767U	0.0000767U	0.0000930U	0.0000930U	0.0000538U	0.000155U	0.0000767U	0.0000767U	0.0000930U	0.0000930U	0.0000538U	0.000155U	0.0000767U	0.0000767U	0.0000930U	0.0000930U
Xylenes (total)	1330-20-7	mg/L	10	0.000194U	0.000194U	0.000183U	0.000334U	0.000334U	0.0000502U	0.0000502U	0.000194U	0.000183U	0.000334U	0.000334U	0.0000502U	0.0000502U	0.000194U	0.000183U	0.000334U	0.000334U	0.0000502U	0.0000502U
(cis)-1,2-Dichloroethene	156-59-2	mg/L	0.07	0.0000745U	0.0000745U	0.000162U	0.000103U	0.000103U	0.0000613U	0.0000613U	0.0000745U	0.000162U	0.000103U	0.000103U	0.0000613U	0.0000613U	**0.00437J**	0.000162U	0.000103U	0.000103U	**0.00121J**	0.0000613U
Methyl tert-butyl ether (MTBE)	1634-04-4	mg/L	0.011	0.0000756U	0.0000756U	0.0000769U	0.0000972U	0.0000770U	0.0000517U	0.0000517U	0.0000756U	0.0000769U	0.0000972U	0.0000770U	0.0000517U	0.0000517U	0.0000756U	0.0000769U	0.0000972U	0.0000770U	0.0000517U	0.0000517U
(trans)-1,2-Dichloroethene	156-60-5	mg/L	0.10	0.0000573U	0.0000573U	0.000122U	0.0000955U	0.0000955U	0.000107U	0.000107U	0.0000573U	0.000122U	0.0000955U	0.0000955U	0.000107U	0.000107U	0.0000573U	0.000122U	0.0000955U	0.0000955U	0.000107U	0.000107U
Dichlorodifluoromethane				NA	NA	NA	0.0000608U	0.0000608U	0.0000960U	NA	NA	NA	0.0000608U	0.0000608U	0.0000960U	NA	NA	NA	NA	0.0000608U	0.0000608U	0.0000960U	NA

Footnotes

- ARBCA Preliminary Screening Values (PSVs) for Groundwater/Tap Water, June 2007
- Italicized contaminant – no ARBCA PSV available.
[a] – EPA Regional Screening Level for Chemical Contaminants at Superfund Sites
- Bold font indicates a detected concentration
- Bold, italicized, and underlined font indicates that a concentration exceeds an ARBCA PS
- 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
NA = Not analyzed

TABLE 3
Groundwater Sample Results
OMS 28
Brookley Air Force Base

ARBCA PRELIMINARY SCREENING VALUES (PSVs)				Sample Location									
CONTAMINANT Volatile Organic Compounds (VOCs)	CAS Number	Units	Tap Water	DUP-2 (OMS-28-1)	DUP-2 (MW-8)	DUP-2 (MW-6)	DUP-2 (MW-8)	TRIP BLANK					
				07/08/08	12/11/08	5/8/2009	9/24/2009	07/14/08	07/01/08	12/11/08	5/8/2009	9/24/2009	03/19/10
1,1,1-Trichloroethane	71-55-6	mg/L	0.02	0.0000683U	0.0000963U	0.0000432U	0.0000432U	0.0000683U	0.0000683U	0.0000963U	0.0000432U	0.0000432U	0.000106U
1,1,2,2-Tetrachloroethane	79-34-5	mg/L	0.000055	0.000148U	0.000154U	0.000105U	0.000105U	0.000148U	0.000148U	0.000154U	0.000105U	0.000105U	0.0000728U
1,1,2-Ttrichloroethane	79-00-5	mg/L	0.005	0.000146U	0.0000928U	0.0000547U	0.0000547U	0.000146U	0.000146U	0.0000928U	0.0000547U	0.0000547U	0.0000951U
1,1-Dichloroethane	75-34-3	mg/L	0.081	0.0000801U	0.0000859U	0.0000346U	0.0000346U	0.0000801U	0.0000801U	0.0000859U	0.0000346U	0.0000346U	0.0000305U
1,1-Dichloroethene	75-35-4	mg/L	0.007	0.0000961U	0.000201U	0.000119U	0.000119U	0.0000961U	0.0000961U	0.000201U	0.000119U	0.000119U	0.000164U
1,2,4-Trichlorobenzene	120-82-1	mg/L	0.07	0.0000223U	0.0000912U	0.000107U	0.000107U	0.000223U	0.000223U	0.0000912U	0.000107U	0.000107U	0.000119U
1,2-Dibromo-3-chloropropane	96-12-8	mg/L	0.0002	0.000356U	0.000129U	0.000129U	0.000129U	0.000356U	0.000356U	0.000129U	0.000129U	0.000129U	0.0000823U
1,2-Dibromoethane	106-93-4	mg/L	0.00005	0.000158U	0.000202U	0.0000651U	0.0000651U	0.000158U	0.000158U	0.000202U	0.0000651U	0.0000651U	0.0000468U
1,2-Dichlorobenzene	95-50-1	mg/L	0.60	0.000109U	0.0000690U	0.000102U	0.000102U	0.000109U	0.000109U	0.0000690U	0.000102U	0.000102U	0.0000789U
1,2-Dichloroethane	107-06-2	mg/L	0.01	0.0000663U	0.0000898U	0.0000640U	0.0000640U	0.0000663U	0.0000663U	0.0000898U	0.0000640U	0.0000640U	0.0000860U
1,2-Dichloropropane	78-87-5	mg/L	0.01	0.0000555U	0.0000960U	0.0000559U	0.0000559U	0.0000555U	0.0000555U	0.0000960U	0.0000559U	0.0000559U	0.0000641U
1,3-Dichlorobenzene	541-73-1	mg/L	0.018	0.0000861U	0.000132U	0.0000937U	0.0000937U	0.0000861U	**0.000257J**	0.000132U	0.0000937U	0.0000937U	0.0000988U
1,4-Dichlorobenzene	106-46-7	mg/L	0.075	0.0000961U	0.0000572U	0.000129U	0.000129U	0.0000961U	0.0000961U	0.0000572U	0.000129U	0.000129U	0.000118U
2-Butanone (MEK)	78-93-3	mg/L	0.70	0.000487U	0.000176U	0.000405U	0.000405U	**0.000487**	0.000487U	0.000176U	0.000405U	0.000405U	0.0000933U
2-Hexanone	591-78-6	mg/L	NE	0.000308U	0.000105U	0.0000661U	0.0000661U	0.000308U	0.000308U	0.000105U	0.0000661U	0.0000661U	0.000503U
4-Methyl-2-pentanone (Hexone)	108-10-1	mg/L	0.20	0.000113U	0.0000781U	0.000123U	0.000123U	**0.000113U**	0.000113U	0.0000781U	0.000123U	0.000123U	0.0000654U
Acetone	67-64-1	mg/L	0.55	**0.00678J**	0.000914U	0.000791U	0.000791U	**0.00181J**	**0.010J**	0.000914U	0.000791U	0.000791U	**0.00160J**
Benzene	71-43-2	mg/L	0.005	0.0000624U	0.0000649U	***0.00567***	0.0000747U	0.0000624U	0.0000624U	0.0000649U	0.0000747U	0.0000747U	0.0000542U
Bromodichloromethane	75-27-4	mg/L	0.08	0.0000875U	0.000144U	0.0000574U	0.0000574U	0.0000875U	0.0000875U	0.000144U	0.0000574U	0.0000574U	0.0000531U
Bromoform	75-25-2	mg/L	0.08	0.0000947U	0.000172U	0.000198U	0.000198U	**0.00150J**	0.0000947U	0.000172U	0.000198U	0.000198U	0.000104U
Bromomethane (Methyl bromide)	74-83-9	mg/L	0.00087	0.000252U	0.000271U	0.000141U	0.000141U	0.000252U	0.000252U	0.000271U	0.000141U	0.000141U	0.000264U
Carbon Disulfide	75-15-0	mg/L	0.10	0.000184U	0.0000774U	0.000179U	0.000179U	0.000184U	0.000184U	0.0000774U	0.000179U	0.000179U	0.000143U
Carbon Tetrachloride	56-23-5	mg/L	0.01	0.0000825U	0.000156U	0.0000825U	0.0000825U	0.0000825U	0.0000825U	0.000156U	0.0000825U	0.0000825U	0.000148U
Chlorobenzene	108-90-7	mg/L	0.10	0.0000631U	0.000287U	0.0000715U	0.0000715U	0.0000631U	0.0000631U	0.000287U	0.0000715U	0.0000715U	0.0000274U
Chloroethane	75-00-3	mg/L	0.0046	0.0000618U	0.000181U	0.000140U	0.000140U	0.0000618U	0.0000618U	0.000181U	0.000140U	0.000140U	0.000351U
Chloroform	67-66-3	mg/L	0.08	**0.045**	0.000164U	0.000287U	0.000287U	0.0000426U	0.0000426U	0.000164U	0.000287U	0.000287U	0.0000565U
Chloromethane (Methyl chloride)	74-87-3	mg/L	0.0016	***0.00184J***	0.000101U	0.000116U	0.000116U	0.000249U	0.000249U	0.000101U	0.000116U	0.000116U	0.0000886U
Cyclohexane	110-82-7	mg/L	1000[a]	0.0000722U	0.000105U	**0.00299J**	0.0000722U	0.0000722U	0.0000722U	0.000105U	0.0000722U	0.0000722U	0.0000644U
Dibromochloromenthane	124-48-1	mg/L	0.08	0.0000637U	0.0000975U	0.0000326U	0.0000326U	**0.000939J**	0.0000637U	0.0000975U	0.0000326U	0.0000326U	0.0000407U
Dibromodifluromenthane	75-71-8	mg/L	0.039	0.0000680U	NA	NA	NA	0.0000680U	0.0000680U	NA	NA	NA	NA
cis-1,3-Dichloropropene	542-75-6	mg/L	0.0004	0.0000746U	0.000116U	0.0000315U	0.0000315U	0.0000746U	0.0000746U	0.000116U	0.0000315U	0.0000315U	0.0000312U
trans-1,3-Dichloropropene	542-75-6	mg/L	0.0004	0.0000702U	0.0000623U	0.0000561U	0.0000561U	0.0000702U	0.0000702U	0.0000623U	0.0000561U	0.0000561U	0.0000542U
Ethylbenzene	100-41-4	mg/L	0.70	0.0000924U	0.0000652U	0.0000522U	0.0000522U	0.0000924U	0.0000924U	0.0000652U	0.0000522U	0.0000522U	0.0000627U
Isopropylbenzene (Cumene)	98-82-8	mg/L	0.66	0.0000569U	0.000135U	**0.00340J**	0.0000708U	0.0000569U	0.0000569U	0.000135U	0.0000708U	0.0000708U	0.0000347U
Methyl acetate	79-20-9	mg/L	6100[a]	0.000375U	0.0000994U	0.000373U	0.000373U	0.000375U	0.000375U	0.0000994U	0.000373U	0.000373U	0.00142U
Methylcyclohexane	108-87-2	mg/L	2600[a]	0.0000921U	0.0000754U	0.0000456U	0.0000456U	0.0000921U	0.0000921U	0.0000754U	0.0000456U	0.0000456U	0.0000722U
Methylene Chloride	75-09-2	mg/L	0.005	***0.00907J***	0.0000959U	0.000142U	0.000142U	0.0000765U	0.0000765U	0.0000959U	0.000142U	0.000142U	0.000327U
Naphthalene	91-20-3	mg/L	0.00062	0.000245U	0.000118U	***0.011***	0.000101U	0.000245U	0.000245U	0.000118U	0.000101U	0.000101U	0.0000817U
Styrene	100-42-5	mg/L	0.1	0.0000821U	0.0000579U	0.0000453U	0.0000453U	0.0000821U	0.0000821U	0.0000579U	0.0000453U	0.0000453U	0.0000507U
Tetrachloroethene (PCE)	127-18-4	mg/L	0.005	0.000200U	0.000153U	0.0000998U	0.0000998U	0.000200U	0.000200U	0.000153U	0.0000998U	0.0000998U	0.000121U
Toluene	108-88-3	mg/L	1.00	**0.000434J**	0.0000755U	0.0000820U	0.0000820U	0.0000675U	**0.000290J**	0.0000755U	0.0000820U	0.0000820U	0.0000590U
Trichloroethene (TCE)	79-01-6	mg/L	0.005	0.000164U	***0.046***	0.0000974U	***0.00852***	0.000164U	0.000164U	0.000118U	0.0000974U	0.0000974U	0.0000618U
Trichloroflloromethane	75-69-4	mg/L	0.13	0.0000638U	0.000138U	0.0000720U	0.0000720U	0.0000638U	0.0000638U	0.000138U	0.0000720U	0.0000720U	0.000123U
Trichlorotrifloroethane	76-13-1	mg/L	NE	0.000168U	0.000230U	0.0000682U	0.0000682U	0.000168U	0.000168U	0.000230U	0.0000682U	0.0000682U	0.000127U
Vinyl chloride (child/adult)	75-01-4	mg/L	0.002	0.0000538U	0.000155U	0.0000767U	0.0000767U	0.0000538U	0.0000538U	0.000155U	0.0000767U	0.0000767U	0.0000930U
Xylenes (total)	1330-20-7	mg/L	10	0.000194U	0.000183U	0.000334U	0.000334U	0.000194U	0.000194U	0.000183U	0.000334U	0.000334U	0.0000502U
(cis)-1,2-Dichloroethene	156-59-2	mg/L	0.07	0.0000745U	**0.00316J**	0.000103U	0.000103U	0.0000745U	0.0000745U	0.000162U	0.000103U	0.000103U	0.0000613U
Methyl tert-butyl ether (MTBE)	1634-04-4	mg/L	0.011	0.0000756U	0.0000769U	0.0000972U	0.0000770U	0.0000756U	0.0000756U	0.0000769U	0.0000972U	0.0000770U	0.0000517U
(trans)-1,2-Dichloroethene	156-60-5	mg/L	0.10	0.0000573U	0.000122U	0.0000955U	0.0000955U	0.0000573U	0.0000573U	0.000122U	0.0000955U	0.0000955U	0.000107U
Dichlorodifluoromethane				NA	NA	0.0000608U	0.0000608U	NA	NA	NA	0.0000608U	0.0000608U	0.0000960U

Footnotes

- ARBCA Preliminary Screening Values (PSVs) for Groundwater/Tap Water, June 2007
- Italicized contaminant – no ARBCA PSV available.
[a] – EPA Regional Screening Level for Chemical Contaminants at Superfund Sites
- Bold font indicates a detected concentration
- Bold, italicized, and underlined font indicates that a concentration exceeds an ARBCA PS
- 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
NA = Not analyzed

TABLE 3

SOIL GEOTECHNICAL DATA

INFORMATION PROVIDED BY AEROSTAR

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		TECHNICIAN	
SAMPLED:	3/28/08	SAMPLED:	Client
TESTED:	3/31/08	TESTED:	R.B.

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	13.440
(b): SAMPLE DIAMETER (cm):	6.970
(c): SAMPLE AREA (cm^2):	38.155
(d): SAMPLE VOLUME (cm^3):	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 (%):	**23.04**
(m): WET BULK DENSITY (PCF):	**129.21**
(n): DRY BULK DENSITY (PCF):	**105.02**
(o): SPECIFITY GRAVITY OF SOIL	2.623
(p): VOLUME OF SOIL:	329.03
(q): VOLUME OF VOIDS:	183.78
(r): VOID RATIO:	0.56
(s): POROSITY:	**0.36**

3707 Cottage Hill Road
Mobile, AL 36609
251.666.2443 ph. / 251.665.5491 fax
www.thompsonengineering.com

MATERIALS ENGINEERING LABORATORY

TABLE 4
CALCULATIONS OF REPRESENTATIVE CONCENTRATIONS
OMS 28
BROOKLEY AIR FORCE BASE

Soil Source Representative Concentration	
HA-2 (0'-1')	
TCE (mg/kg)	0.241
PCE (mg/kg)	*0.0055*

Note: *Italics* are half of the non-detect values.

Soil Source Representative Concentration	
HA-6 (8'-10')	
TCE (mg/kg)	0.15
PCE (mg/kg)	*0.00001015*

Note: *Italics* are half of the non-detect values.

Soil Source Representative Concentration	
HA-15 (0'-1')	
TCE (mg/kg)	0.586
PCE (mg/kg)	*0.0075*

Note: *Italics* are half of the non-detect values.

Soil Source Representative Concentration	
HA-15 (8'-10')	
TCE (mg/kg)	0.132
PCE (mg/kg)	*0.000163*

Note: *Italics* are half of the non-detect values.

Soil Source Representative Concentration	
B-13 (0'-1')	
TCE (mg/kg)	0.0171
PCE (mg/kg)	*0.2695*

Note: *Italics* are half of the non-detect values.

Soil Source Representative Concentration	
OMS-28-3(10'-15')	
TCE (mg/kg)	0.211
PCE (mg/kg)	*0.000186*

Note: *Italics* are half of the non-detect values.

Soil Source Representative Concentration	
B-17 (0'-1')	
TCE (mg/kg)	*0.0085*
PCE (mg/kg)	0.933

Note: *Italics* are half of the non-detect values.

Soil Source Representative Concentration	
OMS-28-6 (10'-15')	
TCE (mg/kg)	0.107
PCE (mg/kg)	*0.000111*

Note: *Italics* are half of the non-detect values.

Groundwater Source Representative Concentration							
Source Well No. MW-8							
Recent Trend: Variable							
Sample Date:	Jul-08	Dec-08	May-09	Sep-09	Mar-10	Sep-10	Average
TCE	**0.133**	0.046	0.018	0.00841	0.041	0.013	0.043
PCE	**0.0002**	0.000153	0.0000998	0.0000998	0.000121	0.000121	0.000132

Note: 1. Compliance Well has fluctuating concentrations, so the representative concentration is estimated as the arithmetic average of the recent two years measurements.
2. *Italics* are half of the non-detect values.
3. Bold indicates the maximum value

Representative Concentrations in the Compliance Well							
SOURCE Well No. OMS-28-6							
Recent Trend: Stable							
Sample Date:	Jul-08	Dec-08	May-09	Sep-09	Mar-10	Sep-10	Average
TCE	***0.000082***	*0.000059*	*0.000049*	*0.000049*	*0.000031*	*0.000031*	0.000
PCE	***0.0001***	*0.000077*	*0.000049*	*0.000049*	*0.000061*	*0.000061*	0.000066

Note: 1. The representative concentration is estimated as the arithmetic average of the recent two years measurements.
2. *Italics* are half of the non-detect values.
3. Bold indicates the maximum value

Representative Concentrations in the Compliance Well							
Sentry Well No. OMS-28-3							
Recent Trend: Variable							
Sample Date:	Jul-08	Dec-08	May-09	Sep-09	Mar-10	Sep-10	Average
TCE	0.08	0.094	0.029	0.01529	0.012	**0.149**	0.063
PCE	***0.0001***	*0.000076*	*0.0000499*	*0.0000499*	*0.0000605*	*0.00000605*	0.000057

Note: 1. The representative concentration is estimated as the arithmetic average of the recent two years measurements.
2. *Italics* are half of the non-detect values.
3. Bold indicates the maximum value

Representative Concentrations in the Compliance Well							
Sentry Well No. OMS-28-4							
Recent Trend: Stable							
Sample Date:	Jul-08	Dec-08	May-09	Sep-09	Mar-10	Sep-10	Average
TCE	***0.000082***	*0.000059*	*0.000049*	*0.000049*	*0.000031*	*0.000031*	0.000
PCE	***0.0001***	*0.000074*	*0.000049*	*0.000049*	*0.000061*	*0.000061*	0.000066

Note: 1. The representative concentration is estimated as the arithmetic average of the recent two years measurements.
2. *Italics* are half of the non-detect values.
3. Bold indicates the maximum value

Representative Concentrations in the Compliance Well							
Sentry Well No. OMS-28-5							
Recent Trend: Variable							
Sample Date:	Jul-08	Dec-08	May-09	Sep-09	Mar-10	Sep-10	Average
TCE	0.039	0.014	**0.162**	0.011	0.051	0.019	0.049
PCE	0.13	0.0092	**0.234**	0.00802	0.081	0.033	0.082537

Note: 1. The representative concentration is estimated as the arithmetic average of the recent two years measurements.
2. *Italics* are half of the non-detect values.
3. Bold indicates the maximum value

Table 5
Calculated Cumulative RM-1 Risk

Description	Exposure Domain	Pathway	Resident Child		Resident Adult		Resident		Trespasser		Commerical Worker		Construction Worker	
			TCE	PCE	TCE	PCE	TCE	PCE	TCE	PCE	TCE	PCE	TCE	PCE
IECLR														
	Surface Soil	Dermal	2.34×10^{-10}	1.55×10^{-8}	1.78×10^{-10}	1.18×10^{-8}	2.34×10^{-10}	1.55×10^{-8}	2.64×10^{-10}	1.75×10^{-8}	3.03×10^{-10}	2.01×10^{-8}	1.21×10^{-11}	8.03×10^{-10}
		Ingestion	8.35×10^{-9}	5.52×10^{-7}	4.47×10^{-9}	2.96×10^{-7}	8.35×10^{-9}	5.52×10^{-7}	2.32×10^{-9}	1.53×10^{-7}	2.00×10^{-9}	1.32×10^{-7}	1.88×10^{-10}	1.25×10^{-8}
		Inhalation	2.58×10^{-16}	1.23×10^{-15}	4.61×10^{-16}	2.2×10^{-15}	4.61×10^{-16}	2.2×10^{-15}	4.31×10^{-11}	2.06×10^{-10}	4.95×10^{-16}	2.36×10^{-15}	1.98×10^{-12}	9.45×10^{-12}
	Subsurface Soil		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	Groundwater	Ingestion	1.15×10^{-5}	6.92×10^{-4}	2.47×10^{-5}	1.48×10^{-3}	2.47×10^{-5}	1.48×10^{-3}	NC	NC	NC	NC	NC	NC
Cumulative HQ														
	Surface Soil	Dermal	3.5×10^{-5}	3.34×10^{-5}	5.34×10^{-6}	5.10×10^{-6}	3.5×10^{-5}	3.34×10^{-5}	2.37×10^{-5}	2.27×10^{-5}	1.09×10^{-5}	1.04×10^{-5}	1.09×10^{-5}	1.04×10^{-5}
		Ingestion	1.25×10^{-3}	1.19×10^{-3}	1.34×10^{-4}	1.28×10^{-4}	1.25×10^{-3}	1.19×10^{-3}	2.08×10^{-4}	1.99×10^{-4}	7.17×10^{-5}	6.85×10^{-5}	1.69×10^{-4}	1.62×10^{-4}
		Inhalation	7.60×10^{-11}	4.90×10^{-12}	2.71×10^{-11}	1.75×10^{-12}	4.90×10^{-12}	7.60×10^{-11}	7.60×10^{-6}	4.90×10^{-7}	3.49×10^{-11}	2.25×10^{-12}	3.49×10^{-6}	2.25×10^{-7}
	Subsurface Soil		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	Groundwater	Ingestion	1.73	1.5	0.74	0.641	1.73	1.50	NC	NC	NC	NC	NC	NC

COC	Resident Child		Resident Adult		Resident		Trespasser		Commerical Worker		Construction Worker	
	Sum of IELCR	Sum of HQ (HI)	Sum of IELCR	Sum of HQ (HI)	Sum of IELCR	Sum of HQ (HI)	Sum of IELCR	Sum of HQ (HI)	Sum of IELCR	Sum of HQ (HI)	Sum of IELCR	Sum of HQ (HI)
TCE	1.15×10^{-5}	1.73	2.47×10^{-5}	0.74	2.47×10^{-5}	1.73	2.63×10^{-9}	2.39×10^{-4}	2.30×10^{-9}	8.26×10^{-5}	2.03×10^{-10}	1.84×10^{-4}
PCE	6.93×10^{-4}	1.5	1.48×10^{-3}	0.641	1.48×10^{-3}	1.5	1.71×10^{-7}	2.22×10^{-4}	1.52×10^{-7}	7.89×10^{-5}	1.33×10^{-8}	1.72×10^{-4}
Cumulative Risk	**7.04×10^{-4}**	**3.22**	**1.51×10^{-3}**	**1.38**	**1.51×10^{-3}**	**3.22**	1.74×10^{-7}	4.61×10^{-4}	1.54×10^{-7}	1.61×10^{-4}	1.35×10^{-8}	3.56×10^{-4}

NC - Not Calculated, (Incomplete Pathway).
IELCR - Individual Excess Lifetime Cancer Risk
HQ - Hazard Quotient
HI - Hazard Index
Bold and Highlighted in red- Bold value indicates a IELCR or HI is exceeded.
Highlighted in yellow- Largest IECLR or HQ for receptor.
Within the ARBCA exposure model, the evaluation of the direct contact exposure pathways for subsurface soils is conducted within the surficial soil evaluation. See Appendix A of the ARBCA Guidance Manual for additional details.

Table 6
Calculations of RM-1 Risk Based Target Levels

Description	Exposure Domain	Pathway	Units	Resident Child		Resident Adult		Resident	
				TCE	PCE	TCE	PCE	TCE	PCE
Carcinogen									
	Surface Soil	Dermal	mg/kg	0.00832	0.0132	NA	NA	NA	NA
		Ingestion	mg/kg	0.00832	0.0132	NA	NA	NA	NA
		Inhalation	mg/kg	0.00832	0.0132	NA	NA	NA	NA
	Subsurface Soil		mg/kg	NC	NC	NA	NA	NA	NA
	Groundwater	Ingestion	mg/L	0.0023	0.00332	NA	NA	NA	NA
Non-Carcinogen									
	Surface Soil	Dermal	mg/kg	0.182	0.289	NA	NA	NA	NA
		Ingestion	mg/kg	0.182	0.289	NA	NA	NA	NA
		Inhalation	mg/kg	0.182	0.289	NA	NA	NA	NA
	Subsurface Soil		mg/kg	NC	NC	NA	NA	NA	NA
	Groundwater	Ingestion	mg/L	0.0502	0.0726	NA	NA	NA	NA
Resident									
	Surface Soil	Dermal	mg/kg	0.00832	0.0132	0.00388	0.00618	0.00388	0.00618
		Ingestion	mg/kg	0.00832	0.0132	0.00388	0.00618	0.00388	0.00618
		Inhalation	mg/kg	0.00832	0.0132	0.00388	0.00618	0.00388	0.00618
	Subsurface Soil		mg/kg	NC	NC	NC	NC	NC	NC
	Groundwater	Ingestion	mg/L	0.0023	0.00332	0.00107	0.00155	0.00107	0.00155

NC - Not Calculated, (Incomplete Pathway).
NA- Not a function of the ARBCA model to evaluate resident adult and resident.

Table 7
Calculations Cumulative RM-2 Risk

Description	Exposure Domain	Pathway	Resident Child		Resident Adult		Resident		Trespasser		Commerical Worker		Construction Worker	
			TCE	PCE	TCE	PCE	TCE	PCE	TCE	PCE	TCE	PCE	TCE	PCE
IECLR														
	Surface Soil	Dermal	2.34×10^{-10}	1.55×10^{-8}	1.78×10^{-10}	1.18×10^{-8}	2.34×10^{-10}	1.55×10^{-8}	2.64×10^{-10}	1.75×10^{-8}	3.03×10^{-10}	2.01×10^{-8}	1.21×10^{-11}	8.03×10^{-10}
		Ingestion	8.35×10^{-9}	5.52×10^{-7}	4.47×10^{-9}	2.96×10^{-7}	8.35×10^{-9}	5.52×10^{-7}	2.32×10^{-9}	1.53×10^{-7}	2.00×10^{-9}	1.32×10^{-7}	1.88×10^{-10}	1.25×10^{-8}
		Inhalation	2.52×10^{-16}	1.20×10^{-15}	4.50×10^{-16}	2.15×10^{-15}	4.50×10^{-16}	2.15×10^{-15}	4.20×10^{-11}	2.01×10^{-10}	4.82×10^{-16}	2.30×10^{-15}	1.93×10^{-12}	9.22×10^{-12}
	Subsurface Soil		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	Groundwater	Ingestion	1.15×10^{-2}	6.92×10^{-4}	2.47×10^{-2}	1.48×10^{-3}	2.47×10^{-2}	1.48×10^{-3}	NC	NC	NC	NC	NC	NC
Cumulative HQ														
	Surface Soil	Dermal	3.5×10^{-5}	3.34×10^{-5}	5.34×10^{-6}	5.10×10^{-6}	3.5×10^{-5}	3.34×10^{-5}	2.37×10^{-5}	2.27×10^{-5}	1.09×10^{-5}	1.04×10^{-5}	1.09×10^{-5}	1.04×10^{-5}
		Ingestion	1.25×10^{-3}	1.19×10^{-3}	1.34×10^{-4}	1.28×10^{-4}	1.25×10^{-3}	1.19×10^{-3}	2.08×10^{-4}	1.99×10^{-4}	7.17×10^{-5}	6.85×10^{-5}	1.69×10^{-4}	1.62×10^{-4}
		Inhalation	7.41×10^{-11}	4.78×10^{-12}	2.65×10^{-11}	1.71×10^{-12}	7.41×10^{-11}	4.78×10^{-12}	7.41×10^{-6}	4.78×10^{-7}	3.40×10^{-11}	2.19×10^{-12}	3.40×10^{-6}	2.19×10^{-7}
	Subsurface Soil		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	Groundwater	Ingestion	1.73	1.5	0.74	0.641	1.73	1.5	NC	NC	NC	NC	NC	NC

COC	Resident Child		Resident Adult		Resident		Trespasser		Commerical Worker		Construction Worker	
	Sum of IELCR	Sum of HQ (HI)	Sum of IELCR	Sum of HQ (HI)	Sum of IELCR	Sum of HQ (HI)	Sum of IELCR	Sum of HQ (HI)	Sum of IELCR	Sum of HQ (HI)	Sum of IELCR	Sum of HQ (HI)
TCE	1.15×10^{-5}	1.73	2.47×10^{-5}	0.74	2.47×10^{-5}	1.73	1.71×10^{-7}	2.39×10^{-4}	2.30×10^{-09}	8.26×10^{-5}	2.03×10^{-10}	1.83×10^{-4}
PCE	6.93×10^{-4}	1.5	1.48×10^{-3}	0.641	1.48×10^{-3}	1.5	2.63×10^{-9}	2.22×10^{-4}	1.52×10^{-7}	7.89×10^{-5}	1.33×10^{-8}	1.72×10^{-4}
Cumulative Risk	**7.04×10^{-4}**	**3.22**	**1.51×10^{-3}**	**1.38**	**1.51×10^{-3}**	**3.22**	1.74×10^{-7}	4.61×10^{-4}	1.54×10^{-7}	1.61×10^{-4}	1.35×10^{-8}	3.56×10^{-4}

NC - Not Calculated, (Incomplete Pathway).
IELCR - Individual Excess Lifetime Cancer Risk
HQ - Hazard Quotient
HI - Hazard Index
Bold and Highlighted in red- Bold value indicates a IELCR or HI is exceeded.
Highlighted in yellow- Largest IECLR or HQ for receptor.
Within the ARBCA exposure model, the evaluation of the direct contact exposure pathways for subsurface soils is conducted within the surficial soil evaluation. See Appendix A of the ARBCA Guidance Manual for additional details.

Table 8
RM-2 Risk-Based Target Levels

Description	Exposure Domain	Pathway	Units	Resident Child		Resident Adult		Resident	
				TCE	PCE	TCE	PCE	TCE	PCE
Carcinogen									
	Surface Soil	Dermal	mg/kg	0.00832	0.0132	NA	NA	NA	NA
		Ingestion	mg/kg	0.00832	0.0132	NA	NA	NA	NA
		Inhalation	mg/kg	0.00832	0.0132	NA	NA	NA	NA
	Subsurface Soil		mg/kg	NC	NC	NA	NA	NA	NA
	Groundwater	Ingestion	mg/L	2.30×10^{-3}	3.32×10^{-3}	NA	NA	NA	NA
Non-Carcinogen									
	Surface Soil	Dermal	mg/kg	0.182	0.289	NA	NA	NA	NA
		Ingestion	mg/kg	0.182	0.289	NA	NA	NA	NA
		Inhalation	mg/kg	0.182	0.289	NA	NA	NA	NA
	Subsurface Soil		mg/kg	NC	NC	NA	NA	NA	NA
	Groundwater	Ingestion	mg/L	0.0502	0.0726	NA	NA	NA	NA
Resident									
	Surface Soil	Dermal	mg/kg	0.00832	0.0132	0.00388	0.00618	0.00388	0.00618
		Ingestion	mg/kg	0.00832	0.0132	0.00388	0.00618	0.00388	0.00618
		Inhalation	mg/kg	0.00832	0.0132	0.00388	0.00618	0.00388	0.00618
	Subsurface Soil		mg/kg	NC	NC	NC	NC	NC	NC
	Groundwater	Ingestion	mg/L	2.30×10^{-3}	3.32×10^{-3}	1.07×10^{-3}	1.55×10^{-3}	1.07×10^{-3}	1.55×10^{-3}

NC - Not Calculated, (Incomplete Pathway).
NA- Not a function of the ARBCA model to evaluate resident adult and resident.

Protection of Groundwater without Biodegradation

COC	Allowable Concentration At			
	Soil Source mg/kg	GW Source mg/L	Sentry Well mg/L	POE mg/L
TCE	1.12	2.58×10^{-2}	2.58×10^{-2}	5.00×10^{-3}
PCE	1.16	2.58×10^{-2}	2.58×10^{-2}	5.00×10^{-3}

Protection of Groundwater with Biodegradation

COC	Allowable Concentration At			
	Soil Source mg/kg	GW Source mg/L	Sentry Well mg/L	POE mg/L
TCE	1.45	3.35×10^{-2}	3.35×10^{-2}	5.00×10^{-3}
PCE	1.49	3.32×10^{-2}	3.32×10^{-2}	5.00×10^{-3}

COC = Contaminant of Concern
POE = Point of Exposure

APPENDIX A
Laboratory Analytical Data for Soil and Groundwater Chemicals of Concern

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 03/06/2006

GCAL Report 206022319

Deliver To	Aerostar 803 Government St Suite A Mobile, AL 36602
Attn	Emilie Wien

Customer Aerostar

Project Brookley Field

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

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

Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
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 206022319

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20602231901	TW-1	Water	02/21/2006 11:00	02/22/2006 14:10
20602231902	TW-3	Water	02/21/2006 11:05	02/22/2006 14:10
20602231903	TW-4	Water	02/21/2006 10:10	02/22/2006 14:10
20602231904	TW-5	Water	02/21/2006 12:17	02/22/2006 14:10
20602231905	PZ-1	Water	02/21/2006 12:36	02/22/2006 14:10
20602231906	PZ-2	Water	02/21/2006 11:41	02/22/2006 14:10
20602231907	DUP	Water	02/21/2006 00:00	02/22/2006 14:10
20602231908	TRIP BLANK	Water		02/22/2006 14:10

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20602231901	TW-1	Water	02/21/2006 11:00	02/22/2006 14:10

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/03/2006 18:00	JCK	316909

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.055U	1.00	0.055	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.049U	0.500	0.049	ug/L
79-00-5	1,1,2-Trichloroethane	0.073U	1.00	0.073	ug/L
75-34-3	1,1-Dichloroethane	0.065U	1.00	0.065	ug/L
75-35-4	1,1-Dichloroethene	0.022U	1.00	0.022	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.049U	1.00	0.049	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.109U	2.00	0.109	ug/L
106-93-4	1,2-Dibromoethane	0.045U	1.00	0.045	ug/L
95-50-1	1,2-Dichlorobenzene	0.047U	0.500	0.047	ug/L
107-06-2	1,2-Dichloroethane	0.028U	1.00	0.028	ug/L
78-87-5	1,2-Dichloropropane	0.033U	1.00	0.033	ug/L
541-73-1	1,3-Dichlorobenzene	0.024U	1.00	0.024	ug/L
106-46-7	1,4-Dichlorobenzene	0.055U	0.500	0.055	ug/L
78-93-3	2-Butanone	0.150U	5.00	0.150	ug/L
591-78-6	2-Hexanone	0.063U	5.00	0.063	ug/L
108-10-1	4-Methyl-2-pentanone	0.076U	5.00	0.076	ug/L
67-64-1	Acetone	1.42U	10.0	1.42	ug/L
71-43-2	Benzene	0.023U	0.400	0.023	ug/L
75-27-4	Bromodichloromethane	0.020U	0.500	0.020	ug/L
75-25-2	Bromoform	0.089U	1.00	0.089	ug/L
74-83-9	Bromomethane	0.053U	3.00	0.053	ug/L
75-15-0	Carbon disulfide	0.035U	5.00	0.035	ug/L
56-23-5	Carbon tetrachloride	0.031U	1.00	0.031	ug/L
108-90-7	Chlorobenzene	0.043U	0.500	0.043	ug/L
75-00-3	Chloroethane	0.097U	1.00	0.097	ug/L
67-66-3	Chloroform	0.047U	0.300	0.047	ug/L
74-87-3	Chloromethane	0.093U	1.00	0.093	ug/L
110-82-7	Cyclohexane	0.063U	5.00	0.063	ug/L
124-48-1	Dibromochloromethane	0.022U	0.500	0.022	ug/L
75-71-8	Dichlorodifluoromethane	0.034U	1.00	0.034	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.040U	0.500	0.040	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.032U	1.00	0.032	ug/L
100-41-4	Ethylbenzene	0.029U	1.00	0.029	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.030U	1.00	0.030	ug/L
79-20-9	Methyl Acetate	0.477U	5.00	0.477	ug/L
108-87-2	Methylcyclohexane	0.040U	5.00	0.040	ug/L
75-09-2	Methylene chloride	0.078U	1.00	0.078	ug/L
100-42-5	Styrene	0.023U	1.00	0.023	ug/L
127-18-4	Tetrachloroethene	0.072U	1.00	0.072	ug/L
108-88-3	Toluene	0.022U	1.00	0.022	ug/L
79-01-6	Trichloroethene	0.024U	1.00	0.024	ug/L
75-69-4	Trichlorofluoromethane	0.027U	1.00	0.027	ug/L
76-13-1	Trichlorotrifluoroethane	0.066U	5.00	0.066	ug/L
75-01-4	Vinyl chloride	0.052U	1.00	0.052	ug/L
1330-20-7	Xylene (total)	0.068U	10.0	0.068	ug/L
156-59-2	cis-1,2-Dichloroethene	0.051U	1.00	0.051	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.099U	5.00	0.099	ug/L
156-60-5	trans-1,2-Dichloroethene	0.037U	1.00	0.037	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20602231901	TW-1	Water	02/21/2006 11:00	02/22/2006 14:10

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/03/2006 18:00	JCK	316909

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	10	10.2	ug/L	102	76 - 119
1868-53-7	Dibromofluoromethane	10	10.8	ug/L	108	85 - 115
2037-26-5	Toluene d8	10	10.1	ug/L	101	81 - 120
17060-07-0	1,2-Dichloroethane-d4	10	10.4	ug/L	104	72 - 119

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20602231902	TW-3	Water	02/21/2006 11:05	02/22/2006 14:10

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/03/2006 18:23	JCK	316909

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.055U	1.00	0.055	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.049U	0.500	0.049	ug/L
79-00-5	1,1,2-Trichloroethane	0.073U	1.00	0.073	ug/L
75-34-3	1,1-Dichloroethane	0.065U	1.00	0.065	ug/L
75-35-4	1,1-Dichloroethene	0.022U	1.00	0.022	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.049U	1.00	0.049	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.109U	2.00	0.109	ug/L
106-93-4	1,2-Dibromoethane	0.045U	1.00	0.045	ug/L
95-50-1	1,2-Dichlorobenzene	0.047U	0.500	0.047	ug/L
107-06-2	1,2-Dichloroethane	0.028U	1.00	0.028	ug/L
78-87-5	1,2-Dichloropropane	0.033U	1.00	0.033	ug/L
541-73-1	1,3-Dichlorobenzene	0.024U	1.00	0.024	ug/L
106-46-7	1,4-Dichlorobenzene	0.055U	0.500	0.055	ug/L
78-93-3	2-Butanone	0.150U	5.00	0.150	ug/L
591-78-6	2-Hexanone	0.063U	5.00	0.063	ug/L
108-10-1	4-Methyl-2-pentanone	0.076U	5.00	0.076	ug/L
67-64-1	Acetone	1.42U	10.0	1.42	ug/L
71-43-2	Benzene	0.023U	0.400	0.023	ug/L
75-27-4	Bromodichloromethane	0.020U	0.500	0.020	ug/L
75-25-2	Bromoform	0.089U	1.00	0.089	ug/L
74-83-9	Bromomethane	0.053U	3.00	0.053	ug/L
75-15-0	Carbon disulfide	0.035U	5.00	0.035	ug/L
56-23-5	Carbon tetrachloride	0.031U	1.00	0.031	ug/L
108-90-7	Chlorobenzene	0.043U	0.500	0.043	ug/L
75-00-3	Chloroethane	0.097U	1.00	0.097	ug/L
67-66-3	Chloroform	0.047U	0.300	0.047	ug/L
74-87-3	Chloromethane	0.093U	1.00	0.093	ug/L
110-82-7	Cyclohexane	0.063U	5.00	0.063	ug/L
124-48-1	Dibromochloromethane	0.022U	0.500	0.022	ug/L
75-71-8	Dichlorodifluoromethane	0.034U	1.00	0.034	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.040U	0.500	0.040	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.032U	1.00	0.032	ug/L
100-41-4	Ethylbenzene	0.029U	1.00	0.029	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.030U	1.00	0.030	ug/L
79-20-9	Methyl Acetate	0.477U	5.00	0.477	ug/L
108-87-2	Methylcyclohexane	0.040U	5.00	0.040	ug/L
75-09-2	Methylene chloride	0.078U	1.00	0.078	ug/L
100-42-5	Styrene	0.023U	1.00	0.023	ug/L
127-18-4	Tetrachloroethene	0.072U	1.00	0.072	ug/L
108-88-3	Toluene	0.022U	1.00	0.022	ug/L
79-01-6	Trichloroethene	0.024U	1.00	0.024	ug/L
75-69-4	Trichlorofluoromethane	0.027U	1.00	0.027	ug/L
76-13-1	Trichlorotrifluoroethane	0.066U	5.00	0.066	ug/L
75-01-4	Vinyl chloride	0.052U	1.00	0.052	ug/L
1330-20-7	Xylene (total)	0.068U	10.0	0.068	ug/L
156-59-2	cis-1,2-Dichloroethene	0.051U	1.00	0.051	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.099U	5.00	0.099	ug/L
156-60-5	trans-1,2-Dichloroethene	0.037U	1.00	0.037	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20602231902	TW-3	Water	02/21/2006 11:05	02/22/2006 14:10

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/03/2006 18:23	JCK	316909

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	10	10	ug/L	100	76 - 119
1868-53-7	Dibromofluoromethane	10	11.5	ug/L	115	85 - 115
2037-26-5	Toluene d8	10	10.1	ug/L	101	81 - 120
17060-07-0	1,2-Dichloroethane-d4	10	10.8	ug/L	108	72 - 119

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20602231903	TW-4	Water	02/21/2006 10:10	02/22/2006 14:10

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/03/2006 18:46	JCK	316909

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.055U	1.00	0.055	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.049U	0.500	0.049	ug/L
79-00-5	1,1,2-Trichloroethane	0.073U	1.00	0.073	ug/L
75-34-3	1,1-Dichloroethane	0.065U	1.00	0.065	ug/L
75-35-4	1,1-Dichloroethene	0.022U	1.00	0.022	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.049U	1.00	0.049	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.109U	2.00	0.109	ug/L
106-93-4	1,2-Dibromoethane	0.045U	1.00	0.045	ug/L
95-50-1	1,2-Dichlorobenzene	0.047U	0.500	0.047	ug/L
107-06-2	1,2-Dichloroethane	0.028U	1.00	0.028	ug/L
78-87-5	1,2-Dichloropropane	0.033U	1.00	0.033	ug/L
541-73-1	1,3-Dichlorobenzene	0.024U	1.00	0.024	ug/L
106-46-7	1,4-Dichlorobenzene	0.055U	0.500	0.055	ug/L
78-93-3	2-Butanone	0.150U	5.00	0.150	ug/L
591-78-6	2-Hexanone	0.063U	5.00	0.063	ug/L
108-10-1	4-Methyl-2-pentanone	0.076U	5.00	0.076	ug/L
67-64-1	Acetone	1.42U	10.0	1.42	ug/L
71-43-2	Benzene	0.023U	0.400	0.023	ug/L
75-27-4	Bromodichloromethane	0.020U	0.500	0.020	ug/L
75-25-2	Bromoform	0.089U	1.00	0.089	ug/L
74-83-9	Bromomethane	0.053U	3.00	0.053	ug/L
75-15-0	Carbon disulfide	0.035U	5.00	0.035	ug/L
56-23-5	Carbon tetrachloride	0.031U	1.00	0.031	ug/L
108-90-7	Chlorobenzene	0.043U	0.500	0.043	ug/L
75-00-3	Chloroethane	0.097U	1.00	0.097	ug/L
67-66-3	Chloroform	0.047U	0.300	0.047	ug/L
74-87-3	Chloromethane	0.093U	1.00	0.093	ug/L
110-82-7	Cyclohexane	0.063U	5.00	0.063	ug/L
124-48-1	Dibromochloromethane	0.022U	0.500	0.022	ug/L
75-71-8	Dichlorodifluoromethane	0.034U	1.00	0.034	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.040U	0.500	0.040	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.032U	1.00	0.032	ug/L
100-41-4	Ethylbenzene	0.029U	1.00	0.029	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.030U	1.00	0.030	ug/L
79-20-9	Methyl Acetate	0.477U	5.00	0.477	ug/L
108-87-2	Methylcyclohexane	0.040U	5.00	0.040	ug/L
75-09-2	Methylene chloride	0.078U	1.00	0.078	ug/L
100-42-5	Styrene	0.023U	1.00	0.023	ug/L
127-18-4	Tetrachloroethene	0.072U	1.00	0.072	ug/L
108-88-3	Toluene	0.022U	1.00	0.022	ug/L
79-01-6	**Trichloroethene**	**1.86**	**1.00**	**0.024**	**ug/L**
75-69-4	Trichlorofluoromethane	0.027U	1.00	0.027	ug/L
76-13-1	Trichlorotrifluoroethane	0.066U	5.00	0.066	ug/L
75-01-4	Vinyl chloride	0.052U	1.00	0.052	ug/L
1330-20-7	Xylene (total)	0.068U	10.0	0.068	ug/L
156-59-2	**cis-1,2-Dichloroethene**	**1.50**	**1.00**	**0.051**	**ug/L**
1634-04-4	tert-Butyl methyl ether (MTBE)	0.099U	5.00	0.099	ug/L
156-60-5	trans-1,2-Dichloroethene	0.037U	1.00	0.037	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20602231903	TW-4	Water	02/21/2006 10:10	02/22/2006 14:10

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/03/2006 18:46	JCK	316909

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	10	10.5	ug/L	105	76 - 119
1868-53-7	Dibromofluoromethane	10	9.75	ug/L	98	85 - 115
2037-26-5	Toluene d8	10	10.4	ug/L	104	81 - 120
17060-07-0	1,2-Dichloroethane-d4	10	10.6	ug/L	106	72 - 119

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20602231904	TW-5	Water	02/21/2006 12:17	02/22/2006 14:10

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/03/2006 19:09	JCK	316909

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.055U	1.00	0.055	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.049U	0.500	0.049	ug/L
79-00-5	1,1,2-Trichloroethane	0.073U	1.00	0.073	ug/L
75-34-3	1,1-Dichloroethane	0.065U	1.00	0.065	ug/L
75-35-4	1,1-Dichloroethene	0.022U	1.00	0.022	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.049U	1.00	0.049	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.109U	2.00	0.109	ug/L
106-93-4	1,2-Dibromoethane	0.045U	1.00	0.045	ug/L
95-50-1	1,2-Dichlorobenzene	0.047U	0.500	0.047	ug/L
107-06-2	1,2-Dichloroethane	0.028U	1.00	0.028	ug/L
78-87-5	1,2-Dichloropropane	0.033U	1.00	0.033	ug/L
541-73-1	1,3-Dichlorobenzene	0.024U	1.00	0.024	ug/L
106-46-7	1,4-Dichlorobenzene	0.055U	0.500	0.055	ug/L
78-93-3	2-Butanone	0.150U	5.00	0.150	ug/L
591-78-6	2-Hexanone	0.063U	5.00	0.063	ug/L
108-10-1	4-Methyl-2-pentanone	0.076U	5.00	0.076	ug/L
67-64-1	Acetone	1.42U	10.0	1.42	ug/L
71-43-2	Benzene	0.023U	0.400	0.023	ug/L
75-27-4	Bromodichloromethane	0.020U	0.500	0.020	ug/L
75-25-2	Bromoform	0.089U	1.00	0.089	ug/L
74-83-9	Bromomethane	0.053U	3.00	0.053	ug/L
75-15-0	Carbon disulfide	0.035U	5.00	0.035	ug/L
56-23-5	Carbon tetrachloride	0.031U	1.00	0.031	ug/L
108-90-7	Chlorobenzene	0.043U	0.500	0.043	ug/L
75-00-3	Chloroethane	0.097U	1.00	0.097	ug/L
67-66-3	Chloroform	0.047U	0.300	0.047	ug/L
74-87-3	Chloromethane	0.093U	1.00	0.093	ug/L
110-82-7	Cyclohexane	0.063U	5.00	0.063	ug/L
124-48-1	Dibromochloromethane	0.022U	0.500	0.022	ug/L
75-71-8	Dichlorodifluoromethane	0.034U	1.00	0.034	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.040U	0.500	0.040	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.032U	1.00	0.032	ug/L
100-41-4	Ethylbenzene	0.029U	1.00	0.029	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.030U	1.00	0.030	ug/L
79-20-9	Methyl Acetate	0.477U	5.00	0.477	ug/L
108-87-2	Methylcyclohexane	0.040U	5.00	0.040	ug/L
75-09-2	Methylene chloride	0.078U	1.00	0.078	ug/L
100-42-5	Styrene	0.023U	1.00	0.023	ug/L
127-18-4	Tetrachloroethene	0.072U	1.00	0.072	ug/L
108-88-3	Toluene	0.022U	1.00	0.022	ug/L
79-01-6	Trichloroethene	0.024U	1.00	0.024	ug/L
75-69-4	Trichlorofluoromethane	0.027U	1.00	0.027	ug/L
76-13-1	Trichlorotrifluoroethane	0.066U	5.00	0.066	ug/L
75-01-4	Vinyl chloride	0.052U	1.00	0.052	ug/L
1330-20-7	Xylene (total)	0.068U	10.0	0.068	ug/L
156-59-2	cis-1,2-Dichloroethene	0.051U	1.00	0.051	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.099U	5.00	0.099	ug/L
156-60-5	trans-1,2-Dichloroethene	0.037U	1.00	0.037	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20602231904	TW-5	Water	02/21/2006 12:17	02/22/2006 14:10

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/03/2006 19:09	JCK	316909

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	10	10.2	ug/L	102	76 - 119
1868-53-7	Dibromofluoromethane	10	11.5	ug/L	115	85 - 115
2037-26-5	Toluene d8	10	10.1	ug/L	101	81 - 120
17060-07-0	1,2-Dichloroethane-d4	10	10.5	ug/L	105	72 - 119

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20602231905	PZ-1	Water	02/21/2006 12:36	02/22/2006 14:10

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			4	03/03/2006 20:17	KCB	316909

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.220U	4.00	0.220	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.196U	2.00	0.196	ug/L
79-00-5	1,1,2-Trichloroethane	0.292U	4.00	0.292	ug/L
75-34-3	1,1-Dichloroethane	0.260U	4.00	0.260	ug/L
75-35-4	1,1-Dichloroethene	0.088U	4.00	0.088	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.196U	4.00	0.196	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.436U	8.00	0.436	ug/L
106-93-4	1,2-Dibromoethane	0.180U	4.00	0.180	ug/L
95-50-1	1,2-Dichlorobenzene	0.188U	2.00	0.188	ug/L
107-06-2	1,2-Dichloroethane	0.112U	4.00	0.112	ug/L
78-87-5	1,2-Dichloropropane	0.132U	4.00	0.132	ug/L
541-73-1	1,3-Dichlorobenzene	0.096U	4.00	0.096	ug/L
106-46-7	1,4-Dichlorobenzene	0.220U	2.00	0.220	ug/L
78-93-3	2-Butanone	0.600U	20.0	0.600	ug/L
591-78-6	2-Hexanone	0.252U	20.0	0.252	ug/L
108-10-1	4-Methyl-2-pentanone	0.304U	20.0	0.304	ug/L
67-64-1	**Acetone**	**6.19J**	**40.0**	**5.68**	**ug/L**
71-43-2	**Benzene**	**0.850J**	**1.60**	**0.092**	**ug/L**
75-27-4	Bromodichloromethane	0.080U	2.00	0.080	ug/L
75-25-2	Bromoform	0.356U	4.00	0.356	ug/L
74-83-9	Bromomethane	0.212U	12.0	0.212	ug/L
75-15-0	Carbon disulfide	0.140U	20.0	0.140	ug/L
56-23-5	Carbon tetrachloride	0.124U	4.00	0.124	ug/L
108-90-7	Chlorobenzene	0.172U	2.00	0.172	ug/L
75-00-3	Chloroethane	0.388U	4.00	0.388	ug/L
67-66-3	Chloroform	0.188U	1.20	0.188	ug/L
74-87-3	Chloromethane	0.372U	4.00	0.372	ug/L
110-82-7	Cyclohexane	0.252U	20.0	0.252	ug/L
124-48-1	Dibromochloromethane	0.088U	2.00	0.088	ug/L
75-71-8	Dichlorodifluoromethane	0.136U	4.00	0.136	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.160U	2.00	0.160	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.128U	4.00	0.128	ug/L
100-41-4	**Ethylbenzene**	**36.1**	**4.00**	**0.116**	**ug/L**
98-82-8	**Isopropylbenzene (Cumene)**	**2.91J**	**4.00**	**0.120**	**ug/L**
79-20-9	Methyl Acetate	1.91U	20.0	1.91	ug/L
108-87-2	Methylcyclohexane	0.160U	20.0	0.160	ug/L
75-09-2	**Methylene chloride**	**0.778J**	**4.00**	**0.312**	**ug/L**
100-42-5	Styrene	0.092U	4.00	0.092	ug/L
127-18-4	Tetrachloroethene	0.288U	4.00	0.288	ug/L
108-88-3	Toluene	0.088U	4.00	0.088	ug/L
79-01-6	Trichloroethene	0.096U	4.00	0.096	ug/L
75-69-4	Trichlorofluoromethane	0.108U	4.00	0.108	ug/L
76-13-1	Trichlorotrifluoroethane	0.264U	20.0	0.264	ug/L
75-01-4	Vinyl chloride	0.208U	4.00	0.208	ug/L
1330-20-7	**Xylene (total)**	**38.1J**	**40.0**	**0.272**	**ug/L**
156-59-2	cis-1,2-Dichloroethene	0.204U	4.00	0.204	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.396U	20.0	0.396	ug/L
156-60-5	trans-1,2-Dichloroethene	0.148U	4.00	0.148	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20602231905	PZ-1	Water	02/21/2006 12:36	02/22/2006 14:10

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			4	03/03/2006 20:17	KCB	316909

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	40	38.4	ug/L	96	76 - 119
1868-53-7	Dibromofluoromethane	40	47.1	ug/L	**118***	85 - 115
2037-26-5	Toluene d8	40	39.5	ug/L	99	81 - 120
17060-07-0	1,2-Dichloroethane-d4	40	44	ug/L	110	72 - 119

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20602231906	PZ-2	Water	02/21/2006 11:41	02/22/2006 14:10

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/03/2006 19:32	JCK	316909

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.055U	1.00	0.055	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.049U	0.500	0.049	ug/L
79-00-5	1,1,2-Trichloroethane	0.073U	1.00	0.073	ug/L
75-34-3	1,1-Dichloroethane	0.065U	1.00	0.065	ug/L
75-35-4	1,1-Dichloroethene	0.022U	1.00	0.022	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.049U	1.00	0.049	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.109U	2.00	0.109	ug/L
106-93-4	1,2-Dibromoethane	0.045U	1.00	0.045	ug/L
95-50-1	1,2-Dichlorobenzene	0.047U	0.500	0.047	ug/L
107-06-2	1,2-Dichloroethane	0.028U	1.00	0.028	ug/L
78-87-5	1,2-Dichloropropane	0.033U	1.00	0.033	ug/L
541-73-1	1,3-Dichlorobenzene	0.024U	1.00	0.024	ug/L
106-46-7	1,4-Dichlorobenzene	0.055U	0.500	0.055	ug/L
78-93-3	2-Butanone	0.150U	5.00	0.150	ug/L
591-78-6	2-Hexanone	0.063U	5.00	0.063	ug/L
108-10-1	4-Methyl-2-pentanone	0.076U	5.00	0.076	ug/L
67-64-1	Acetone	1.42U	10.0	1.42	ug/L
71-43-2	**Benzene**	**1.21**	**0.400**	**0.023**	**ug/L**
75-27-4	Bromodichloromethane	0.020U	0.500	0.020	ug/L
75-25-2	Bromoform	0.089U	1.00	0.089	ug/L
74-83-9	Bromomethane	0.053U	3.00	0.053	ug/L
75-15-0	Carbon disulfide	0.035U	5.00	0.035	ug/L
56-23-5	Carbon tetrachloride	0.031U	1.00	0.031	ug/L
108-90-7	Chlorobenzene	0.043U	0.500	0.043	ug/L
75-00-3	Chloroethane	0.097U	1.00	0.097	ug/L
67-66-3	Chloroform	0.047U	0.300	0.047	ug/L
74-87-3	Chloromethane	0.093U	1.00	0.093	ug/L
110-82-7	**Cyclohexane**	**0.454J**	**5.00**	**0.063**	**ug/L**
124-48-1	Dibromochloromethane	0.022U	0.500	0.022	ug/L
75-71-8	Dichlorodifluoromethane	0.034U	1.00	0.034	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.040U	0.500	0.040	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.032U	1.00	0.032	ug/L
100-41-4	**Ethylbenzene**	**23.0**	**1.00**	**0.029**	**ug/L**
98-82-8	Isopropylbenzene (Cumene)	0.030U	1.00	0.030	ug/L
79-20-9	Methyl Acetate	0.477U	5.00	0.477	ug/L
108-87-2	Methylcyclohexane	0.040U	5.00	0.040	ug/L
75-09-2	Methylene chloride	0.078U	1.00	0.078	ug/L
100-42-5	Styrene	0.023U	1.00	0.023	ug/L
127-18-4	Tetrachloroethene	0.072U	1.00	0.072	ug/L
108-88-3	Toluene	0.022U	1.00	0.022	ug/L
79-01-6	Trichloroethene	0.024U	1.00	0.024	ug/L
75-69-4	Trichlorofluoromethane	0.027U	1.00	0.027	ug/L
76-13-1	Trichlorotrifluoroethane	0.066U	5.00	0.066	ug/L
75-01-4	Vinyl chloride	0.052U	1.00	0.052	ug/L
1330-20-7	**Xylene (total)**	**28.3**	**10.0**	**0.068**	**ug/L**
156-59-2	cis-1,2-Dichloroethene	0.051U	1.00	0.051	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.099U	5.00	0.099	ug/L
156-60-5	trans-1,2-Dichloroethene	0.037U	1.00	0.037	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20602231906	PZ-2	Water	02/21/2006 11:41	02/22/2006 14:10

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/03/2006 19:32	JCK	316909

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	10	9.68	ug/L	97	76 - 119
1868-53-7	Dibromofluoromethane	10	11.3	ug/L	113	85 - 115
2037-26-5	Toluene d8	10	9.99	ug/L	100	81 - 120
17060-07-0	1,2-Dichloroethane-d4	10	10.4	ug/L	104	72 - 119

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20602231907	DUP	Water	02/21/2006 00:00	02/22/2006 14:10

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/03/2006 19:55	KCB	316909

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.055U	1.00	0.055	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.049U	0.500	0.049	ug/L
79-00-5	1,1,2-Trichloroethane	0.073U	1.00	0.073	ug/L
75-34-3	1,1-Dichloroethane	0.065U	1.00	0.065	ug/L
75-35-4	1,1-Dichloroethene	0.022U	1.00	0.022	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.049U	1.00	0.049	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.109U	2.00	0.109	ug/L
106-93-4	1,2-Dibromoethane	0.045U	1.00	0.045	ug/L
95-50-1	1,2-Dichlorobenzene	0.047U	0.500	0.047	ug/L
107-06-2	1,2-Dichloroethane	0.028U	1.00	0.028	ug/L
78-87-5	1,2-Dichloropropane	0.033U	1.00	0.033	ug/L
541-73-1	1,3-Dichlorobenzene	0.024U	1.00	0.024	ug/L
106-46-7	1,4-Dichlorobenzene	0.055U	0.500	0.055	ug/L
78-93-3	2-Butanone	0.150U	5.00	0.150	ug/L
591-78-6	2-Hexanone	0.063U	5.00	0.063	ug/L
108-10-1	4-Methyl-2-pentanone	0.076U	5.00	0.076	ug/L
67-64-1	Acetone	1.42U	10.0	1.42	ug/L
71-43-2	Benzene	0.023U	0.400	0.023	ug/L
75-27-4	Bromodichloromethane	0.020U	0.500	0.020	ug/L
75-25-2	Bromoform	0.089U	1.00	0.089	ug/L
74-83-9	Bromomethane	0.053U	3.00	0.053	ug/L
75-15-0	Carbon disulfide	0.035U	5.00	0.035	ug/L
56-23-5	Carbon tetrachloride	0.031U	1.00	0.031	ug/L
108-90-7	Chlorobenzene	0.043U	0.500	0.043	ug/L
75-00-3	Chloroethane	0.097U	1.00	0.097	ug/L
67-66-3	Chloroform	0.047U	0.300	0.047	ug/L
74-87-3	Chloromethane	0.093U	1.00	0.093	ug/L
110-82-7	Cyclohexane	0.063U	5.00	0.063	ug/L
124-48-1	Dibromochloromethane	0.022U	0.500	0.022	ug/L
75-71-8	Dichlorodifluoromethane	0.034U	1.00	0.034	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.040U	0.500	0.040	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.032U	1.00	0.032	ug/L
100-41-4	Ethylbenzene	0.029U	1.00	0.029	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.030U	1.00	0.030	ug/L
79-20-9	Methyl Acetate	0.477U	5.00	0.477	ug/L
108-87-2	Methylcyclohexane	0.040U	5.00	0.040	ug/L
75-09-2	Methylene chloride	0.078U	1.00	0.078	ug/L
100-42-5	Styrene	0.023U	1.00	0.023	ug/L
127-18-4	Tetrachloroethene	0.072U	1.00	0.072	ug/L
108-88-3	Toluene	0.022U	1.00	0.022	ug/L
79-01-6	Trichloroethene	0.024U	1.00	0.024	ug/L
75-69-4	Trichlorofluoromethane	0.027U	1.00	0.027	ug/L
76-13-1	Trichlorotrifluoroethane	0.066U	5.00	0.066	ug/L
75-01-4	Vinyl chloride	0.052U	1.00	0.052	ug/L
1330-20-7	**Xylene (total)**	**0.692J**	**10.0**	**0.068**	**ug/L**
156-59-2	cis-1,2-Dichloroethene	0.051U	1.00	0.051	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.099U	5.00	0.099	ug/L
156-60-5	trans-1,2-Dichloroethene	0.037U	1.00	0.037	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20602231907	DUP	Water	02/21/2006 00:00	02/22/2006 14:10

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/03/2006 19:55	KCB	316909

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	10	10.4	ug/L	104	76 - 119
1868-53-7	Dibromofluoromethane	10	11.9	ug/L	**119***	85 - 115
2037-26-5	Toluene d8	10	10.4	ug/L	104	81 - 120
17060-07-0	1,2-Dichloroethane-d4	10	11.2	ug/L	112	72 - 119

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20602231908	TRIP BLANK	Water		02/22/2006 14:10

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/03/2006 17:37	JCK	316909

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.055U	1.00	0.055	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.049U	0.500	0.049	ug/L
79-00-5	1,1,2-Trichloroethane	0.073U	1.00	0.073	ug/L
75-34-3	1,1-Dichloroethane	0.065U	1.00	0.065	ug/L
75-35-4	1,1-Dichloroethene	0.022U	1.00	0.022	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.049U	1.00	0.049	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.109U	2.00	0.109	ug/L
106-93-4	1,2-Dibromoethane	0.045U	1.00	0.045	ug/L
95-50-1	1,2-Dichlorobenzene	0.047U	0.500	0.047	ug/L
107-06-2	1,2-Dichloroethane	0.028U	1.00	0.028	ug/L
78-87-5	1,2-Dichloropropane	0.033U	1.00	0.033	ug/L
541-73-1	1,3-Dichlorobenzene	0.024U	1.00	0.024	ug/L
106-46-7	1,4-Dichlorobenzene	0.055U	0.500	0.055	ug/L
78-93-3	2-Butanone	0.150U	5.00	0.150	ug/L
591-78-6	2-Hexanone	0.063U	5.00	0.063	ug/L
108-10-1	4-Methyl-2-pentanone	0.076U	5.00	0.076	ug/L
67-64-1	Acetone	1.42U	10.0	1.42	ug/L
71-43-2	Benzene	0.023U	0.400	0.023	ug/L
75-27-4	Bromodichloromethane	0.020U	0.500	0.020	ug/L
75-25-2	Bromoform	0.089U	1.00	0.089	ug/L
74-83-9	Bromomethane	0.053U	3.00	0.053	ug/L
75-15-0	Carbon disulfide	0.035U	5.00	0.035	ug/L
56-23-5	Carbon tetrachloride	0.031U	1.00	0.031	ug/L
108-90-7	Chlorobenzene	0.043U	0.500	0.043	ug/L
75-00-3	Chloroethane	0.097U	1.00	0.097	ug/L
67-66-3	Chloroform	0.047U	0.300	0.047	ug/L
74-87-3	Chloromethane	0.093U	1.00	0.093	ug/L
110-82-7	Cyclohexane	0.063U	5.00	0.063	ug/L
124-48-1	Dibromochloromethane	0.022U	0.500	0.022	ug/L
75-71-8	Dichlorodifluoromethane	0.034U	1.00	0.034	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.040U	0.500	0.040	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.032U	1.00	0.032	ug/L
100-41-4	Ethylbenzene	0.029U	1.00	0.029	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.030U	1.00	0.030	ug/L
79-20-9	Methyl Acetate	0.477U	5.00	0.477	ug/L
108-87-2	Methylcyclohexane	0.040U	5.00	0.040	ug/L
75-09-2	Methylene chloride	0.078U	1.00	0.078	ug/L
100-42-5	Styrene	0.023U	1.00	0.023	ug/L
127-18-4	Tetrachloroethene	0.072U	1.00	0.072	ug/L
108-88-3	Toluene	0.022U	1.00	0.022	ug/L
79-01-6	Trichloroethene	0.024U	1.00	0.024	ug/L
75-69-4	Trichlorofluoromethane	0.027U	1.00	0.027	ug/L
76-13-1	Trichlorotrifluoroethane	0.066U	5.00	0.066	ug/L
75-01-4	Vinyl chloride	0.052U	1.00	0.052	ug/L
1330-20-7	Xylene (total)	0.068U	10.0	0.068	ug/L
156-59-2	cis-1,2-Dichloroethene	0.051U	1.00	0.051	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.099U	5.00	0.099	ug/L
156-60-5	trans-1,2-Dichloroethene	0.037U	1.00	0.037	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20602231908	TRIP BLANK	Water		02/22/2006 14:10

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/03/2006 17:37	JCK	316909

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	10	9.89	ug/L	99	76 - 119
1868-53-7	Dibromofluoromethane	10	10.8	ug/L	108	85 - 115
2037-26-5	Toluene d8	10	9.91	ug/L	99	81 - 120
17060-07-0	1,2-Dichloroethane-d4	10	9.65	ug/L	97	72 - 119

GC/MS Volatiles Quality Control Summary

Analytical Batch	316909	**Client ID**	MB316909			LCS316909				LCSD316909		
Prep Batch	N/A	**GCAL ID**	343873			343874				343875		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	03/03/2006 17:01			03/03/2006 15:35				03/03/2006 16:14		
		Matrix	Water			Water				Water		
8260B, Volatiles		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
100-41-4	Ethylbenzene	0.029U	0.029	10.0	9.84	98	73 - 127	9.43	94	4	20
100-42-5	Styrene	0.023U	0.023	10.0	10.1	101	65 - 134	9.50	95	6	20
10061-01-5	cis-1,3-Dichloropropene	0.040U	0.040	10.0	10.6	106	69 - 131	9.76	98	8	20
10061-02-6	trans-1,3-Dichloropropene	0.032U	0.032	10.0	11.0	110	59 - 135	10.0	100	10	20
106-46-7	1,4-Dichlorobenzene	0.055U	0.055	10.0	10.5	105	74 - 123	9.94	99	5	20
106-93-4	1,2-Dibromoethane	0.045U	0.045	10.0	9.54	95	80 - 121	8.99	90	6	20
107-06-2	1,2-Dichloroethane	0.028U	0.028	10.0	10.6	106	69 - 132	9.64	96	9	20
108-10-1	4-Methyl-2-pentanone	0.076U	0.076	10.0	9.93	99	58 - 134	8.91	89	11	20
108-87-2	Methylcyclohexane	0.040U	0.040	10.0	9.73	97	77 - 123	9.45	95	3	30
108-88-3	Toluene	0.022U	0.022	10.0	10.3	103	77 - 122	9.79	98	5	20
108-90-7	Chlorobenzene	0.043U	0.043	10.0	10.3	103	81 - 122	9.77	98	5	20
110-82-7	Cyclohexane	0.063U	0.063	10.0	9.66	97	71 - 127	9.17	92	5	30
120-82-1	1,2,4-Trichlorobenzene	0.049U	0.049	10.0	9.58	96	66 - 134	9.12	91	5	20
124-48-1	Dibromochloromethane	0.022U	0.022	10.0	11.6	116	66 - 133	10.6	106	9	20
127-18-4	Tetrachloroethene	0.072U	0.072	10.0	9.53	95	66 - 128	9.22	92	3	20
1330-20-7	Xylene (total)	0.068U	0.068	30.0	31.8	106	80 - 129	30.6	102	4	30
156-59-2	cis-1,2-Dichloroethene	0.051U	0.051	10.0	11.0	110	72 - 126	10.1	101	9	20
156-60-5	trans-1,2-Dichloroethene	0.037U	0.037	10.0	10.9	109	63 - 137	10.2	102	7	20
1634-04-4	tert-Butyl methyl ether (MTBE)	0.099U	0.099	10.0	10.9	109	65 - 123	9.53	95	13	20
541-73-1	1,3-Dichlorobenzene	0.024U	0.024	10.0	10.0	100	75 - 124	9.87	99	1	20
56-23-5	Carbon tetrachloride	0.031U	0.031	10.0	11.0	110	66 - 138	10.5	105	5	20
591-78-6	2-Hexanone	0.063U	0.063	10.0	9.74	97	54 - 155	8.71	87	11	30
67-64-1	Acetone	2.69J	1.42	10.0	9.25	93	40 - 135	9.64	96	4	20
67-66-3	Chloroform	0.047U	0.047	10.0	10.8	108	69 - 128	10.0	100	8	20
71-43-2	Benzene	0.023U	0.023	10.0	10.6	106	81 - 122	9.85	99	7	20
71-55-6	1,1,1-Trichloroethane	0.055U	0.055	10.0	10.4	104	67 - 132	9.77	98	6	20
74-83-9	Bromomethane	0.053U	0.053	10.0	11.2	112	30 - 141	10.3	103	8	20
74-87-3	Chloromethane	0.093U	0.093	10.0	10.3	103	56 - 131	9.65	97	7	20
75-00-3	Chloroethane	0.097U	0.097	10.0	11.0	110	58 - 133	10.3	103	7	20
75-01-4	Vinyl chloride	0.052U	0.052	10.0	9.93	99	50 - 134	7.71	77	**25***	20
75-09-2	Methylene chloride	0.078U	0.078	10.0	10.9	109	63 - 137	9.82	98	10	20
75-15-0	Carbon disulfide	0.035U	0.035	10.0	11.4	114	71 - 129	10.8	108	5	30
75-25-2	Bromoform	0.089U	0.089	10.0	10.7	107	69 - 128	9.57	96	11	20

GC/MS Volatiles Quality Control Summary

Analytical Batch	316909	**Client ID**	MB316909			LCS316909				LCSD316909		
Prep Batch	N/A	**GCAL ID**	343873			343874				343875		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	03/03/2006 17:01			03/03/2006 15:35				03/03/2006 16:14		
		Matrix	Water			Water				Water		
8260B, Volatiles		**Units**	ug/L	**Spike**	**Result**		**Control**		**Result**		**RPD**	**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**			**% R**		**Limit**
75-27-4	Bromodichloromethane	0.020U	0.020	10.0	10.9	109	76 - 121		10.2	102	7	20
75-34-3	1,1-Dichloroethane	0.065U	0.065	10.0	10.9	109	69 - 133		10.1	101	8	20
75-35-4	1,1-Dichloroethene	0.022U	0.022	10.0	10.8	108	68 - 130		10.1	101	7	20
75-69-4	Trichlorofluoromethane	0.027U	0.027	10.0	12.5	125	57 - 129		10.8	108	15	20
75-71-8	Dichlorodifluoromethane	0.034U	0.034	10.0	12.6	126	30 - 153		10.4	104	19	20
76-13-1	Trichlorotrifluoroethane	0.066U	0.066	10.0	11.1	111	72 - 130		10.6	106	5	30
78-87-5	1,2-Dichloropropane	0.033U	0.033	10.0	9.52	95	75 - 125		8.91	89	7	20
78-93-3	2-Butanone	0.150U	0.150	10.0	10.9	109	49 - 136		10.4	104	5	20
79-00-5	1,1,2-Trichloroethane	0.073U	0.073	10.0	9.58	96	75 - 125		8.72	87	9	20
79-01-6	Trichloroethene	0.024U	0.024	10.0	9.81	98	70 - 127		9.38	94	4	20
79-20-9	Methyl Acetate	0.477U	0.477	10.0	10.8	108	55 - 134		9.57	96	12	30
79-34-5	1,1,2,2-Tetrachloroethane	0.049U	0.049	10.0	10.2	102	63 - 128		9.33	93	9	20
95-50-1	1,2-Dichlorobenzene	0.047U	0.047	10.0	11.3	113	71 - 122		10.7	107	5	20
96-12-8	1,2-Dibromo-3-chloropropane	0.109U	0.109	10.0	10.2	102	50 - 132		8.96	90	13	20
98-82-8	Isopropylbenzene (Cumene)	0.030U	0.030	10.0	11.2	112	75 - 127		11.0	110	2	20
Surrogate												
460-00-4	4-Bromofluorobenzene	10.5	105	10	10	100	76 - 119		10.1	101		
1868-53-7	Dibromofluoromethane	11.6	**116***	10	10.8	108	85 - 115		10.5	105		
2037-26-5	Toluene d8	10.5	105	10	9.67	97	81 - 120		9.71	97		
17060-07-0	1,2-Dichloroethane-d4	11	110	10	9.86	99	72 - 119		9.69	97		

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 05/01/2006

GCAL Report 206041917

Deliver To	Aerostar 803 Government St Suite A Mobile, AL 36602
Attn	Emilie Wien

Customer Aerostar

Project Brookley Field

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

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

Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
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 206041917

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604191701	MW-1	Water	04/18/2006 00:00	04/19/2006 09:25
20604191702	MW-2	Water	04/18/2006 00:00	04/19/2006 09:25
20604191703	MW-3	Water	04/18/2006 00:00	04/19/2006 09:25
20604191704	MW-5	Water	04/18/2006 00:00	04/19/2006 09:25
20604191705	MW-6	Water	04/18/2006 00:00	04/19/2006 09:25
20604191706	MW-7	Water	04/18/2006 00:00	04/19/2006 09:25
20604191707	MW-8	Water	04/18/2006 00:00	04/19/2006 09:25

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604191701	MW-1	Water	04/18/2006 00:00	04/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			10	04/23/2006 15:51	VWM	321058

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	**Benzene**	**0.608**	**0.025**	**0.00225**	**mg/L**
100-41-4	**Ethylbenzene**	**0.888**	**0.050**	**0.00227**	**mg/L**
91-20-3	**Naphthalene**	**0.509**	**0.050**	**0.00304**	**mg/L**
108-88-3	**Toluene**	**0.691**	**0.050**	**0.00213**	**mg/L**
1330-20-7	**Xylene (total)**	**2.23**	**0.100**	**0.00509**	**mg/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.5	.48	mg/L	96	76 - 119
1868-53-7	Dibromofluoromethane	.5	.485	mg/L	97	85 - 115
2037-26-5	Toluene d8	.5	.517	mg/L	103	81 - 120
17060-07-0	1,2-Dichloroethane-d4	.5	.519	mg/L	104	72 - 119

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604191702	MW-2	Water	04/18/2006 00:00	04/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/21/2006 05:42	VWM	320852

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	Benzene	0.000225U	0.00250	0.000225	mg/L
100-41-4	Ethylbenzene	0.000227U	0.00500	0.000227	mg/L
91-20-3	**Naphthalene**	**0.00144J**	**0.00500**	**0.000304**	**mg/L**
108-88-3	Toluene	0.000213U	0.00500	0.000213	mg/L
1330-20-7	Xylene (total)	0.000509U	0.010	0.000509	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.051	mg/L	102	76 - 119
1868-53-7	Dibromofluoromethane	.05	.051	mg/L	103	85 - 115
2037-26-5	Toluene d8	.05	.052	mg/L	104	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
20604191703	MW-3	Water	04/18/2006 00:00	04/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/21/2006 04:03	VWM	320852

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	Benzene	0.000225U	0.00250	0.000225	mg/L
100-41-4	Ethylbenzene	0.000227U	0.00500	0.000227	mg/L
91-20-3	Naphthalene	0.000304U	0.00500	0.000304	mg/L
108-88-3	Toluene	0.000213U	0.00500	0.000213	mg/L
1330-20-7	Xylene (total)	0.000509U	0.010	0.000509	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.05	mg/L	99	76 - 119
1868-53-7	Dibromofluoromethane	.05	.051	mg/L	102	85 - 115
2037-26-5	Toluene d8	.05	.051	mg/L	103	81 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.052	mg/L	104	72 - 119

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604191704	MW-5	Water	04/18/2006 00:00	04/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/21/2006 06:07	VWM	320852

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	Benzene	0.000225U	0.00250	0.000225	mg/L
100-41-4	**Ethylbenzene**	**0.00233J**	**0.00500**	**0.000227**	**mg/L**
91-20-3	**Naphthalene**	**0.00171J**	**0.00500**	**0.000304**	**mg/L**
108-88-3	Toluene	0.000213U	0.00500	0.000213	mg/L
1330-20-7	**Xylene (total)**	**0.00352J**	**0.010**	**0.000509**	**mg/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.05	mg/L	100	76 - 119
1868-53-7	Dibromofluoromethane	.05	.053	mg/L	105	85 - 115
2037-26-5	Toluene d8	.05	.049	mg/L	98	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
20604191705	MW-6	Water	04/18/2006 00:00	04/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/28/2006 10:38	VWM	321572

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	**Benzene**	**0.045**	**0.00250**	**0.000225**	**mg/L**
100-41-4	**Ethylbenzene**	**0.00222J**	**0.00500**	**0.000227**	**mg/L**
91-20-3	**Naphthalene**	**0.131**	**0.00500**	**0.000304**	**mg/L**
108-88-3	Toluene	0.000213U	0.00500	0.000213	mg/L
1330-20-7	**Xylene (total)**	**0.00447J**	**0.010**	**0.000509**	**mg/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.051	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	106	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
20604191706	MW-7	Water	04/18/2006 00:00	04/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/28/2006 10:16	VWM	321572

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	Benzene	0.000225U	0.00250	0.000225	mg/L
100-41-4	Ethylbenzene	0.000227U	0.00500	0.000227	mg/L
91-20-3	Naphthalene	0.000304U	0.00500	0.000304	mg/L
108-88-3	Toluene	0.000213U	0.00500	0.000213	mg/L
1330-20-7	Xylene (total)	0.000509U	0.010	0.000509	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.05	mg/L	100	75 - 120
1868-53-7	Dibromofluoromethane	.05	.052	mg/L	104	85 - 115
2037-26-5	Toluene d8	.05	.053	mg/L	107	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
20604191707	MW-8	Water	04/18/2006 00:00	04/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/23/2006 11:28	VWM	321058

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	Benzene	0.000225U	0.00250	0.000225	mg/L
100-41-4	Ethylbenzene	0.000227U	0.00500	0.000227	mg/L
91-20-3	Naphthalene	0.000304U	0.00500	0.000304	mg/L
108-88-3	Toluene	0.000213U	0.00500	0.000213	mg/L
79-01-6	**Trichloroethene**	**97.9**	**5.00**	**0.270**	**ug/L**
1330-20-7	Xylene (total)	0.000509U	0.010	0.000509	mg/L

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	.046	mg/L	92	85 - 115
2037-26-5	Toluene d8	.05	.052	mg/L	103	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.048	mg/L	96	70 - 120

GC/MS Volatiles Quality Control Summary

Analytical Batch 320852	**Client ID**	MB320852	LCS320852	LCSD320852	
Prep Batch N/A	**GCAL ID**	360578	360579	360580	
	Sample Type	Method Blank	LCS	LCSD	
	Analytical Date	04/20/2006 23:04	04/20/2006 21:50	04/20/2006 22:14	
	Matrix	Water	Water	Water	

8260B, Volatiles		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
100-41-4	Ethylbenzene	0.000227U	0.000227	0.025	0.021	85	75 - 125	0.022	88	5	20
108-88-3	Toluene	0.000213U	0.000213	0.025	0.021	84	75 - 120	0.022	87	5	20
1330-20-7	Xylene (total)	0.000509U	0.000509	0.075	0.064	86	75 - 130	0.066	89	3	30
71-43-2	Benzene	0.000225U	0.000225	0.025	0.023	90	80 - 120	0.023	91	0	20
91-20-3	Naphthalene	0.00114J	0.000304	0.025	0.023	92	55 - 140	0.023	92	0	20
Surrogate											
460-00-4	4-Bromofluorobenzene	49.9	100	50	49.7	99	75 - 120	50.2	100		
1868-53-7	Dibromofluoromethane	50.6	101	50	51.7	103	85 - 115	50.8	102		
2037-26-5	Toluene d8	48.2	96	50	50.3	101	85 - 120	50.2	100		
17060-07-0	1,2-Dichloroethane-d4	49.4	99	50	49	98	70 - 120	49.1	98		

Analytical Batch 320852	**Client ID**	041206-GRW-06063-A1	041206-GRW-06063-A1 MS	041206-GRW-06063-A1 MSD	
Prep Batch N/A	**GCAL ID**	20604140301	20604140302	20604140303	
	Sample Type	SAMPLE	MS	MSD	
	Analytical Date	04/20/2006 23:29	04/20/2006 23:54	04/21/2006 00:19	
	Matrix	Water	Water	Water	

8260B, Volatiles		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
100-41-4	Ethylbenzene	0.00	0.000227	0.025	0.022	86	73 - 127	0.020	81	10	20
108-88-3	Toluene	0.00	0.000213	0.025	0.021	82	77 - 122	0.020	80	5	20
1330-20-7	Xylene (total)	0.00	0.000509	0.075	0.065	87	80 - 129	0.059	**79***	10	30
71-43-2	Benzene	0.00	0.000225	0.025	0.025	101	81 - 122	0.022	87	13	20
91-20-3	Naphthalene	0.00	0.000304	0.025	0.025	98	54 - 138	0.026	103	4	20
Surrogate											
460-00-4	4-Bromofluorobenzene			50	50.1	100	75 - 120	51	102		
1868-53-7	Dibromofluoromethane			50	52.9	106	85 - 115	53.4	107		
2037-26-5	Toluene d8			50	49.2	98	85 - 120	49.2	98		
17060-07-0	1,2-Dichloroethane-d4			50	52.7	105	70 - 120	52	104		

GC/MS Volatiles Quality Control Summary

Analytical Batch	321058	**Client ID**	MB321058	LCS321058
Prep Batch	N/A	**GCAL ID**	361454	361455
		Sample Type	Method Blank	LCS
		Analytical Date	04/23/2006 10:04	04/23/2006 08:40
		Matrix	Water	Water

8260B, Volatiles		**Units**	mg/L	**Spike**	**Result**		**Control**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**	
100-41-4	Ethylbenzene	0.000227U	0.000227	0.025	0.025	100	75 -	125
108-88-3	Toluene	0.000213U	0.000213	0.025	0.025	100	75 -	120
1330-20-7	Xylene (total)	0.000509U	0.000509	0.075	0.077	102	75 -	130
71-43-2	Benzene	0.000225U	0.000225	0.025	0.024	97	80 -	120
79-01-6	Trichloroethene	0.270U	0.270	25.0	24.4	98	70 -	125
91-20-3	Naphthalene	0.000304U	0.000304	0.025	0.030	120	55 -	140
Surrogate								
460-00-4	4-Bromofluorobenzene	51.2	102	50	52.2	104	75 -	120
1868-53-7	Dibromofluoromethane	47	94	50	43	86	85 -	115
2037-26-5	Toluene d8	52.9	106	50	53.7	107	85 -	120
17060-07-0	1,2-Dichloroethane-d4	48.7	97	50	47.2	94	70 -	120

Analytical Batch	321058	**Client ID**	MW-8	359691MS	359691MSD
Prep Batch	N/A	**GCAL ID**	20604191707	361488	361489
		Sample Type	SAMPLE	MS	MSD
		Analytical Date	04/23/2006 11:28	04/23/2006 14:47	04/23/2006 15:09
		Matrix	Water	Water	Water

8260B, Volatiles		**Units**	mg/L	**Spike**	**Result**		**Control**		**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**			**% R**	**RPD**	**Limit**
100-41-4	Ethylbenzene	0.00	0.000227	0.025	0.019	76	73 -	127	0.022	88	15	20
108-88-3	Toluene	0.00	0.000213	0.025	0.020	82	77 -	122	0.024	95	18	20
1330-20-7	Xylene (total)	0.00	0.000509	0.075	0.053	**71***	80 -	129	0.066	88	22	30
71-43-2	Benzene	0.00	0.000225	0.025	0.021	82	81 -	122	0.024	95	13	20
79-01-6	Trichloroethene	97.9	0.270	25.0	85.1	**-50***	70 -	127	99.2	**5***	15	20
91-20-3	Naphthalene	0.00	0.000304	0.025	0.022	87	54 -	138	0.026	106	17	20
Surrogate												
460-00-4	4-Bromofluorobenzene	.048	96	50	48.5	97	75 -	120	49.1	98		
1868-53-7	Dibromofluoromethane	.046	92	50	50.1	100	85 -	115	49	98		
2037-26-5	Toluene d8	.052	103	50	51.7	103	85 -	120	53.5	107		
17060-07-0	1,2-Dichloroethane-d4	.048	96	50	52.5	105	70 -	120	50.6	101		

GC/MS Volatiles Quality Control Summary

Analytical Batch	321572	**Client ID**	MB321572			LCS321572				LCSD321572		
Prep Batch	N/A	**GCAL ID**	363288			363289				363290		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	04/28/2006 07:17			04/28/2006 06:35				04/28/2006 06:56		
		Matrix	Water			Water				Water		
8260B, Volatiles		**Units**	mg/L									
		Result	**RDL**	**Spike Added**	**Result**	**% R**	**Control Limits % R**		**Result**	**% R**	**RPD**	**RPD Limit**
100-41-4	Ethylbenzene	0.000227U	0.000227	0.025	0.023	94	75 - 125		0.024	94	4	20
108-88-3	Toluene	0.000213U	0.000213	0.025	0.023	93	75 - 120		0.024	94	4	20
1330-20-7	Xylene (total)	0.000509U	0.000509	0.075	0.071	95	75 - 130		0.072	96	1	30
71-43-2	Benzene	0.000225U	0.000225	0.025	0.023	91	80 - 120		0.023	92	0	20
91-20-3	Naphthalene	0.000304U	0.000304	0.025	0.027	107	55 - 140		0.028	111	4	20
Surrogate												
460-00-4	4-Bromofluorobenzene	51.2	102	50	52	104	75 - 120		52.1	104		
1868-53-7	Dibromofluoromethane	50.2	100	50	48.5	97	85 - 115		49.3	99		
2037-26-5	Toluene d8	54.5	109	50	53.8	108	85 - 120		54.3	109		
17060-07-0	1,2-Dichloroethane-d4	49.4	99	50	48.4	97	70 - 120		48.4	97		

NELAP CERTIFICATE NUMBER 01955

To: Aerostar

Job ID: Aerostar - Brookley

Attn: Emilie Wien

GCAL Report 206101914

Report Date 10/25/2006

ANALYTICAL RESULTS BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Deliver To	Aerostar 803 Government St Suite A Mobile, AL 36602
Attn	Emilie Wien

CASE NARRATIVE

Client: Aerostar **Report:** 206101914

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, samples 20610191401 (MW-1) and 20610191408 (DUPLICATE) had to be diluted to bracket target compounds within the calibration range of the instrument. The dilutions are reflected in elevated detection limits.

In the SW-846 8260B analysis, the recovery for the surrogate, Toluene d8 was above the upper control limit for samples 20610191402 (MW-2), 20610191403 (MW-3), 20610191404 (MW-5), 20610191407 (MW-8), and 20610191409 (TRIP). All other surrogate recoveries were acceptable for these samples.

In the SW-846 8260B analysis for analytical batch 335245, the recovery for the surrogate, Toluene d8 was above the upper control limit for the method blank. All other surrogate recoveries were acceptable for this batch QC sample.

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

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

Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
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 206101914

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610191401	MW-1	Water	10/18/2006 09:58	10/19/2006 09:25
20610191402	MW-2	Water	10/18/2006 10:39	10/19/2006 09:25
20610191403	MW-3	Water	10/18/2006 11:13	10/19/2006 09:25
20610191404	MW-5	Water	10/18/2006 11:41	10/19/2006 09:25
20610191405	MW-6	Water	10/18/2006 12:16	10/19/2006 09:25
20610191406	MW-7	Water	10/18/2006 09:22	10/19/2006 09:25
20610191407	MW-8	Water	10/18/2006 13:27	10/19/2006 09:25
20610191408	DUPLICATE	Water	10/18/2006 00:00	10/19/2006 09:25
20610191409	TRIP	Water		10/19/2006 09:25

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610191401	**MW-1**	Water	10/18/2006 09:58	10/19/2006 09:25

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	Benzene	0.110	0.013	0.00113	mg/L
100-41-4	Ethylbenzene	0.611	0.025	0.00114	mg/L
91-20-3	Naphthalene	0.300	0.025	0.00152	mg/L
108-88-3	Toluene	0.016J	0.025	0.00107	mg/L
1330-20-7	Xylene (total)	0.641	0.050	0.00255	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610191402	**MW-2**	Water	10/18/2006 10:39	10/19/2006 09:25

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
100-41-4	Ethylbenzene	0.00466J	0.00500	0.000227	mg/L
91-20-3	Naphthalene	0.00708	0.00500	0.000304	mg/L
1330-20-7	Xylene (total)	0.00875J	0.010	0.000509	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610191404	**MW-5**	Water	10/18/2006 11:41	10/19/2006 09:25

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
100-41-4	Ethylbenzene	0.00272J	0.00500	0.000227	mg/L
1330-20-7	Xylene (total)	0.00601J	0.010	0.000509	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610191405	**MW-6**	Water	10/18/2006 12:16	10/19/2006 09:25

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	Benzene	0.043	0.00250	0.000225	mg/L
91-20-3	Naphthalene	0.095	0.00500	0.000304	mg/L
1330-20-7	Xylene (total)	0.00582J	0.010	0.000509	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610191406	**MW-7**	Water	10/18/2006 09:22	10/19/2006 09:25

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
91-20-3	Naphthalene	0.00539	0.00500	0.000304	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610191407	**MW-8**	Water	10/18/2006 13:27	10/19/2006 09:25

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	**Trichloroethene**	**0.083**	**0.00500**	**0.000270**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610191408	**DUPLICATE**	Water	10/18/2006 00:00	10/19/2006 09:25

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	**Benzene**	**0.116**	**0.013**	**0.00113**	**mg/L**
100-41-4	**Ethylbenzene**	**0.824**	**0.025**	**0.00114**	**mg/L**
91-20-3	**Naphthalene**	**0.330**	**0.025**	**0.00152**	**mg/L**
108-88-3	**Toluene**	**0.018J**	**0.025**	**0.00107**	**mg/L**
1330-20-7	**Xylene (total)**	**0.837**	**0.050**	**0.00255**	**mg/L**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610191401	**MW-1**	Water	10/18/2006 09:58	10/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	10/24/2006 05:16	KCB	335245

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	**Benzene**	**0.110**	**0.013**	**0.00113**	**mg/L**
100-41-4	**Ethylbenzene**	**0.611**	**0.025**	**0.00114**	**mg/L**
91-20-3	**Naphthalene**	**0.300**	**0.025**	**0.00152**	**mg/L**
108-88-3	**Toluene**	**0.016J**	**0.025**	**0.00107**	**mg/L**
79-01-6	Trichloroethene	0.00135U	0.025	0.00135	mg/L
1330-20-7	**Xylene (total)**	**0.641**	**0.050**	**0.00255**	**mg/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.25	.28	mg/L	112	75 - 120
1868-53-7	Dibromofluoromethane	.25	.27	mg/L	108	85 - 115
2037-26-5	Toluene d8	.25	.285	mg/L	114	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.25	.27	mg/L	108	70 - 120

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610191402	**MW-2**	Water	10/18/2006 10:39	10/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/24/2006 05:38	KCB	335245

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	Benzene	0.000225U	0.00250	0.000225	mg/L
100-41-4	**Ethylbenzene**	**0.00466J**	**0.00500**	**0.000227**	**mg/L**
91-20-3	**Naphthalene**	**0.00708**	**0.00500**	**0.000304**	**mg/L**
108-88-3	Toluene	0.000213U	0.00500	0.000213	mg/L
79-01-6	Trichloroethene	0.000270U	0.00500	0.000270	mg/L
1330-20-7	**Xylene (total)**	**0.00875J**	**0.010**	**0.000509**	**mg/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.052	mg/L	104	75 - 120
1868-53-7	Dibromofluoromethane	.05	.052	mg/L	105	85 - 115
2037-26-5	Toluene d8	.05	.061	mg/L	**121***	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.054	mg/L	108	70 - 120

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610191403	**MW-3**	Water	10/18/2006 11:13	10/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/24/2006 06:01	KCB	335245

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	Benzene	0.000225U	0.00250	0.000225	mg/L
100-41-4	Ethylbenzene	0.000227U	0.00500	0.000227	mg/L
91-20-3	Naphthalene	0.000304U	0.00500	0.000304	mg/L
108-88-3	Toluene	0.000213U	0.00500	0.000213	mg/L
79-01-6	Trichloroethene	0.000270U	0.00500	0.000270	mg/L
1330-20-7	Xylene (total)	0.000509U	0.010	0.000509	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.05	mg/L	100	75 - 120
1868-53-7	Dibromofluoromethane	.05	.053	mg/L	107	85 - 115
2037-26-5	Toluene d8	.05	.062	mg/L	**124***	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.053	mg/L	107	70 - 120

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610191404	**MW-5**	Water	10/18/2006 11:41	10/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/24/2006 06:23	KCB	335245

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	Benzene	0.000225U	0.00250	0.000225	mg/L
100-41-4	**Ethylbenzene**	**0.00272J**	**0.00500**	**0.000227**	**mg/L**
91-20-3	Naphthalene	0.000304U	0.00500	0.000304	mg/L
108-88-3	Toluene	0.000213U	0.00500	0.000213	mg/L
79-01-6	Trichloroethene	0.000270U	0.00500	0.000270	mg/L
1330-20-7	**Xylene (total)**	**0.00601J**	**0.010**	**0.000509**	**mg/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.052	mg/L	104	75 - 120
1868-53-7	Dibromofluoromethane	.05	.053	mg/L	106	85 - 115
2037-26-5	Toluene d8	.05	.062	mg/L	**125***	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.053	mg/L	106	70 - 120

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610191405	**MW-6**	Water	10/18/2006 12:16	10/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/24/2006 06:45	KCB	335245

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	**Benzene**	**0.043**	**0.00250**	**0.000225**	**mg/L**
100-41-4	Ethylbenzene	0.000227U	0.00500	0.000227	mg/L
91-20-3	**Naphthalene**	**0.095**	**0.00500**	**0.000304**	**mg/L**
108-88-3	Toluene	0.000213U	0.00500	0.000213	mg/L
79-01-6	Trichloroethene	0.000270U	0.00500	0.000270	mg/L
1330-20-7	**Xylene (total)**	**0.00582J**	**0.010**	**0.000509**	**mg/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.053	mg/L	105	75 - 120
1868-53-7	Dibromofluoromethane	.05	.053	mg/L	107	85 - 115
2037-26-5	Toluene d8	.05	.06	mg/L	120	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.054	mg/L	109	70 - 120

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610191406	**MW-7**	Water	10/18/2006 09:22	10/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/24/2006 07:07	KCB	335245

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	Benzene	0.000225U	0.00250	0.000225	mg/L
100-41-4	Ethylbenzene	0.000227U	0.00500	0.000227	mg/L
91-20-3	**Naphthalene**	**0.00539**	**0.00500**	**0.000304**	**mg/L**
108-88-3	Toluene	0.000213U	0.00500	0.000213	mg/L
79-01-6	Trichloroethene	0.000270U	0.00500	0.000270	mg/L
1330-20-7	Xylene (total)	0.000509U	0.010	0.000509	mg/L

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	101	85 - 115
2037-26-5	Toluene d8	.05	.059	mg/L	118	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.052	mg/L	103	70 - 120

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610191407	**MW-8**	Water	10/18/2006 13:27	10/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/24/2006 07:30	KCB	335245

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	Benzene	0.000225U	0.00250	0.000225	mg/L
100-41-4	Ethylbenzene	0.000227U	0.00500	0.000227	mg/L
91-20-3	Naphthalene	0.000304U	0.00500	0.000304	mg/L
108-88-3	Toluene	0.000213U	0.00500	0.000213	mg/L
79-01-6	**Trichloroethene**	**0.083**	**0.00500**	**0.000270**	**mg/L**
1330-20-7	Xylene (total)	0.000509U	0.010	0.000509	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.049	mg/L	98	75 - 120
1868-53-7	Dibromofluoromethane	.05	.052	mg/L	105	85 - 115
2037-26-5	Toluene d8	.05	.062	mg/L	**125***	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.054	mg/L	107	70 - 120

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610191408	**DUPLICATE**	Water	10/18/2006 00:00	10/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			5	10/24/2006 07:52	KCB	335245

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	**Benzene**	**0.116**	**0.013**	**0.00113**	**mg/L**
100-41-4	**Ethylbenzene**	**0.824**	**0.025**	**0.00114**	**mg/L**
91-20-3	**Naphthalene**	**0.330**	**0.025**	**0.00152**	**mg/L**
108-88-3	**Toluene**	**0.018J**	**0.025**	**0.00107**	**mg/L**
79-01-6	Trichloroethene	0.00135U	0.025	0.00135	mg/L
1330-20-7	**Xylene (total)**	**0.837**	**0.050**	**0.00255**	**mg/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.25	.268	mg/L	107	75 - 120
1868-53-7	Dibromofluoromethane	.25	.256	mg/L	102	85 - 115
2037-26-5	Toluene d8	.25	.28	mg/L	112	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.25	.269	mg/L	108	70 - 120

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610191409	TRIP	Water		10/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/24/2006 08:59	ABD	335245

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	Benzene	0.000225U	0.00250	0.000225	mg/L
100-41-4	Ethylbenzene	0.000227U	0.00500	0.000227	mg/L
91-20-3	Naphthalene	0.000304U	0.00500	0.000304	mg/L
108-88-3	Toluene	0.000213U	0.00500	0.000213	mg/L
79-01-6	Trichloroethene	0.000270U	0.00500	0.000270	mg/L
1330-20-7	Xylene (total)	0.000509U	0.010	0.000509	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.05	mg/L	99	75 - 120
1868-53-7	Dibromofluoromethane	.05	.053	mg/L	106	85 - 115
2037-26-5	Toluene d8	.05	.063	mg/L	**126***	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.054	mg/L	107	70 - 120

GC/MS Volatiles Quality Control Summary

Analytical Batch 335245	**Client ID**	MB335245	LCS335245	LCSD335245	
Prep Batch N/A	**GCAL ID**	421385	421386	421387	
	Sample Type	Method Blank	LCS	LCSD	
	Analytical Date	10/24/2006 00:26	10/23/2006 23:20	10/23/2006 23:42	
	Matrix	Water	Water	Water	

8260B, Volatiles		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
100-41-4	Ethylbenzene	0.000227U	0.000227	0.025	0.025	101	75 - 125	0.025	102	0	20
1330-20-7	Xylene (total)	0.000509U	0.000509	0.075	0.067	89	75 - 130	0.067	90	0	30
91-20-3	Naphthalene	0.000304U	0.000304	0.025	0.019	76	55 - 140	0.019	74	0	20
71-43-2	Benzene	0.000225U	0.000225	0.025	0.025	100	80 - 120	0.026	103	4	20
79-01-6	Trichloroethene	0.000270U	0.000270	0.025	0.027	107	70 - 125	0.028	112	4	20
108-88-3	Toluene	0.000213U	0.000213	0.025	0.026	103	75 - 120	0.026	104	0	20
Surrogate											
460-00-4	4-Bromofluorobenzene	52.1	104	50	50.5	101	75 - 120	51.1	102		
1868-53-7	Dibromofluoromethane	52.3	105	50	51.4	103	85 - 115	52.4	105		
2037-26-5	Toluene d8	65.2	**130***	50	53	106	85 - 120	53.8	108		
17060-07-0	1,2-Dichloroethane-d4	52	104	50	51	102	70 - 120	53.1	106		

Analytical Batch 335245	**Client ID**	SOUTH CHICOT HEADER	418089MS	418089MSD	
Prep Batch N/A	**GCAL ID**	20610134716	421388	421389	
	Sample Type	SAMPLE	MS	MSD	
	Analytical Date	10/24/2006 00:48	10/24/2006 01:11	10/24/2006 01:33	
	Matrix	Water	Water	Water	

8260B, Volatiles		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
100-41-4	Ethylbenzene	0.00	0.000227	0.025	0.026	102	73 - 127	0.024	94	8	20
1330-20-7	Xylene (total)	0.00	0.000509	0.075	0.066	88	80 - 129	0.063	84	5	30
71-43-2	Benzene	0.00	0.000225	0.025	0.025	101	81 - 122	0.024	95	4	20
79-01-6	Trichloroethene	0.00	0.000270	0.025	0.029	114	70 - 127	0.025	100	15	20
108-88-3	Toluene	0.00	0.000213	0.025	0.026	105	77 - 122	0.026	104	0	20
Surrogate											
460-00-4	4-Bromofluorobenzene			50	51.9	104	75 - 120	51.3	103		
1868-53-7	Dibromofluoromethane			50	52.7	105	85 - 115	51.8	104		
2037-26-5	Toluene d8			50	53.2	106	85 - 120	53.8	108		
17060-07-0	1,2-Dichloroethane-d4			50	53.3	107	70 - 120	53.4	107		

labnet/4569/20610191419/10-30-06

Chain of Custody Record

Lab Report No.:

Company: AEROSTAR	**Gulf Coast LabNet, Inc.** An Environmental Lab Services Co.	Modified from DEP Form #: 62-770.900(2) — Page 1 of 1
Address: 803 GOVT. ST., STE. A MOBILE, AL 36602	Phone: (251) 625-1331 Fax: (251) 625-1299	FDEP Facility No.:
		Project Name: BROOKLEY FIELD
		Location: MOBILE, AL
		Project No.:

Attn: EMILIE WIEN — Phone: — Fax:

Sampled by [Print Name]/Affiliation: Client — Sampler Signature:

Item No.	Field ID No.	Sampled Date	Sampled Time	Grab or Comp.	Matrix Codes	No. Cont.	8260 BTEX MTBE TCE (WAPH-H per client request)	←Preservative	←Analysis	REQUESTED DUE DATE	Remarks	Lab. No.
											REPORT IN mg/L.	
1	MW-1	10-18-06	958	G	GW	2	X					1
2	MW-2	10-18-06	1039				X					2
3	MW-3	10-18-06	1113				X					3
4	MW-5	10-18-06	1141				X					4
5	MW-6	10-18-06	1216				X					5
6	MW-7	10-18-06	922				X					6
7	MW-8	10-18-06	1327				X					7
8	DUPLICATE	10-18-06				2	X					8
9	TRIP					2	X					9
						16	←Total Number of Containers					

Shipment Method		Item #	Relinquished by / Affiliation	Date	Time	Accepted by / Affiliation	Date	Time
Out: / /	Via:			10-18-06	1430	GCL	10-18-06	1430
Returned: / /	Via:		GCL	10-18-06	1800	FedEx J.M.	10-18-06	1800
Additional Comments			FedEx J.M.	10-19-06	925	GCAL	10-19-06	925

Cooler No.(s) / Temperature(s) (°C)	Sampling Kit No.	Equipment ID No.
3°	5796	

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)

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611282901	MW-9	Water	11/22/2006 00:00	11/28/2006 09:05
20611282902	MW-10	Water	11/22/2006 00:00	11/28/2006 09:05
20611282903	MW-11	Water	11/22/2006 00:00	11/28/2006 09:05
20611282904	MW-12	Water	11/22/2006 00:00	11/28/2006 09:05
20611282905	MS MW-9	Water	11/22/2006 00:00	11/28/2006 09:05
20611282906	MSD MW-9	Water	11/22/2006 00:00	11/28/2006 09:05
20611282907	DUP	Water	11/22/2006 00:00	11/28/2006 09:05
20611282908	TRIP	Water	11/22/2006 00:00	11/28/2006 09:05
20611282909	RINSATE	Water	11/22/2006 00:00	11/28/2006 09:05
20611282910	FIELD BLANK	Water	11/22/2006 00:00	11/28/2006 09:05

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611282902	**MW-10**	Water	11/22/2006 00:00	11/28/2006 09:05

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	Tetrachloroethene	0.00490	0.00100	0.0000720	mg/L
79-01-6	Trichloroethene	0.011	0.00100	0.0000240	mg/L
75-01-4	Vinyl chloride	0.00150	0.00100	0.0000520	mg/L
156-59-2	cis-1,2-Dichloroethene	0.00580	0.00100	0.0000510	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611282903	**MW-11**	Water	11/22/2006 00:00	11/28/2006 09:05

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	0.063	0.00400	0.0000960	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611282905	**MS MW-9**	Water	11/22/2006 00:00	11/28/2006 09:05

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
630-20-6	1,1,1,2-Tetrachloroethane	0.00974	0.00100	0.0000510	mg/L
71-55-6	1,1,1-Trichloroethane	0.00966	0.00100	0.0000550	mg/L
79-34-5	1,1,2,2-Tetrachloroethane	0.00963	0.00100	0.0000490	mg/L
79-00-5	1,1,2-Trichloroethane	0.00959	0.00100	0.0000730	mg/L
75-34-3	1,1-Dichloroethane	0.00960	0.00100	0.0000650	mg/L
75-35-4	1,1-Dichloroethene	0.00969	0.00100	0.0000220	mg/L
96-18-4	1,2,3-Trichloropropane	0.00975	0.00100	0.0000320	mg/L
95-50-1	1,2-Dichlorobenzene	0.011	0.00100	0.0000470	mg/L
107-06-2	1,2-Dichloroethane	0.00988	0.00100	0.0000280	mg/L
78-87-5	1,2-Dichloropropane	0.00982	0.00100	0.0000330	mg/L
541-73-1	1,3-Dichlorobenzene	0.010	0.00100	0.0000240	mg/L
106-46-7	1,4-Dichlorobenzene	0.010	0.00100	0.0000550	mg/L
108-86-1	Bromobenzene	0.010	0.00100	0.0000200	mg/L
75-27-4	Bromodichloromethane	0.010	0.00100	0.0000200	mg/L
75-25-2	Bromoform	0.00927	0.00100	0.0000890	mg/L
74-83-9	Bromomethane	0.010	0.00100	0.0000530	mg/L
56-23-5	Carbon tetrachloride	0.010	0.00100	0.0000310	mg/L
108-90-7	Chlorobenzene	0.00998	0.00100	0.0000430	mg/L
75-00-3	Chloroethane	0.00964	0.00100	0.0000970	mg/L
67-66-3	Chloroform	0.00979	0.000300	0.0000470	mg/L
74-87-3	Chloromethane	0.00925	0.00100	0.0000930	mg/L
124-48-1	Dibromochloromethane	0.011	0.00100	0.0000220	mg/L
74-95-3	Dibromomethane	0.010	0.00100	0.0000740	mg/L
75-71-8	Dichlorodifluoromethane	0.00982	0.00100	0.0000340	mg/L
10061-01-5	cis-1,3-Dichloropropene	0.00947	0.00100	0.0000400	mg/L
10061-02-6	trans-1,3-Dichloropropene	0.00938	0.00100	0.0000320	mg/L
75-09-2	Methylene chloride	0.00892	0.00100	0.0000780	mg/L
127-18-4	Tetrachloroethene	0.010	0.00100	0.0000720	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611282905	**MS MW-9**	Water	11/22/2006 00:00	11/28/2006 09:05

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	0.011	0.00100	0.0000240	mg/L
75-69-4	Trichlorofluoromethane	0.00975	0.00100	0.0000270	mg/L
75-01-4	Vinyl chloride	0.010	0.00100	0.0000520	mg/L
156-59-2	cis-1,2-Dichloroethene	0.010	0.00100	0.0000510	mg/L
156-60-5	trans-1,2-Dichloroethene	0.00982	0.00100	0.0000370	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611282906	**MSD MW-9**	Water	11/22/2006 00:00	11/28/2006 09:05

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
630-20-6	1,1,1,2-Tetrachloroethane	0.010	0.00100	0.0000510	mg/L
71-55-6	1,1,1-Trichloroethane	0.00989	0.00100	0.0000550	mg/L
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.00100	0.0000490	mg/L
79-00-5	1,1,2-Trichloroethane	0.00967	0.00100	0.0000730	mg/L
75-34-3	1,1-Dichloroethane	0.010	0.00100	0.0000650	mg/L
75-35-4	1,1-Dichloroethene	0.010	0.00100	0.0000220	mg/L
96-18-4	1,2,3-Trichloropropane	0.00991	0.00100	0.0000320	mg/L
95-50-1	1,2-Dichlorobenzene	0.011	0.00100	0.0000470	mg/L
107-06-2	1,2-Dichloroethane	0.010	0.00100	0.0000280	mg/L
78-87-5	1,2-Dichloropropane	0.010	0.00100	0.0000330	mg/L
541-73-1	1,3-Dichlorobenzene	0.010	0.00100	0.0000240	mg/L
106-46-7	1,4-Dichlorobenzene	0.010	0.00100	0.0000550	mg/L
108-86-1	Bromobenzene	0.011	0.00100	0.0000200	mg/L
75-27-4	Bromodichloromethane	0.010	0.00100	0.0000200	mg/L
75-25-2	Bromoform	0.00950	0.00100	0.0000890	mg/L
74-83-9	Bromomethane	0.00968	0.00100	0.0000530	mg/L
56-23-5	Carbon tetrachloride	0.010	0.00100	0.0000310	mg/L
108-90-7	Chlorobenzene	0.010	0.00100	0.0000430	mg/L
75-00-3	Chloroethane	0.010	0.00100	0.0000970	mg/L
67-66-3	Chloroform	0.010	0.000300	0.0000470	mg/L
74-87-3	Chloromethane	0.00587	0.00100	0.0000930	mg/L
124-48-1	Dibromochloromethane	0.011	0.00100	0.0000220	mg/L
74-95-3	Dibromomethane	0.00982	0.00100	0.0000740	mg/L
75-71-8	Dichlorodifluoromethane	0.010	0.00100	0.0000340	mg/L
10061-01-5	cis-1,3-Dichloropropene	0.00965	0.00100	0.0000400	mg/L
10061-02-6	trans-1,3-Dichloropropene	0.00935	0.00100	0.0000320	mg/L
75-09-2	Methylene chloride	0.00944	0.00100	0.0000780	mg/L
127-18-4	Tetrachloroethene	0.011	0.00100	0.0000720	mg/L
79-01-6	Trichloroethene	0.011	0.00100	0.0000240	mg/L
75-69-4	Trichlorofluoromethane	0.010	0.00100	0.0000270	mg/L
75-01-4	Vinyl chloride	0.011	0.00100	0.0000520	mg/L
156-59-2	cis-1,2-Dichloroethene	0.010	0.00100	0.0000510	mg/L
156-60-5	trans-1,2-Dichloroethene	0.010	0.00100	0.0000370	mg/L

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611282907	DUP	Water	11/22/2006 00:00	11/28/2006 09:05

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	Tetrachloroethene	0.00483	0.00100	0.0000720	mg/L
79-01-6	Trichloroethene	0.011	0.00100	0.0000240	mg/L
75-01-4	Vinyl chloride	0.00133	0.00100	0.0000520	mg/L
156-59-2	cis-1,2-Dichloroethene	0.00548	0.00100	0.0000510	mg/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611282901	**MW-9**	Water	11/22/2006 00:00	11/28/2006 09:05

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/30/2006 17:51	JCK	338015

CAS#	Parameter	Result	RDL	MDL	Units
630-20-6	1,1,1,2-Tetrachloroethane	0.0000510U	0.00100	0.0000510	mg/L
71-55-6	1,1,1-Trichloroethane	0.0000550U	0.00100	0.0000550	mg/L
79-34-5	1,1,2,2-Tetrachloroethane	0.0000490U	0.00100	0.0000490	mg/L
79-00-5	1,1,2-Trichloroethane	0.0000730U	0.00100	0.0000730	mg/L
75-34-3	1,1-Dichloroethane	0.0000650U	0.00100	0.0000650	mg/L
75-35-4	1,1-Dichloroethene	0.0000220U	0.00100	0.0000220	mg/L
96-18-4	1,2,3-Trichloropropane	0.0000320U	0.00100	0.0000320	mg/L
95-50-1	1,2-Dichlorobenzene	0.0000470U	0.00100	0.0000470	mg/L
107-06-2	1,2-Dichloroethane	0.0000280U	0.00100	0.0000280	mg/L
78-87-5	1,2-Dichloropropane	0.0000330U	0.00100	0.0000330	mg/L
541-73-1	1,3-Dichlorobenzene	0.0000240U	0.00100	0.0000240	mg/L
106-46-7	1,4-Dichlorobenzene	0.0000550U	0.00100	0.0000550	mg/L
108-86-1	Bromobenzene	0.0000200U	0.00100	0.0000200	mg/L
75-27-4	Bromodichloromethane	0.0000200U	0.00100	0.0000200	mg/L
75-25-2	Bromoform	0.0000890U	0.00100	0.0000890	mg/L
74-83-9	Bromomethane	0.0000530U	0.00100	0.0000530	mg/L
56-23-5	Carbon tetrachloride	0.0000310U	0.00100	0.0000310	mg/L
108-90-7	Chlorobenzene	0.0000430U	0.00100	0.0000430	mg/L
75-00-3	Chloroethane	0.0000970U	0.00100	0.0000970	mg/L
67-66-3	Chloroform	0.0000470U	0.000300	0.0000470	mg/L
74-87-3	Chloromethane	0.0000930U	0.00100	0.0000930	mg/L
124-48-1	Dibromochloromethane	0.0000220U	0.00100	0.0000220	mg/L
74-95-3	Dibromomethane	0.0000740U	0.00100	0.0000740	mg/L
75-71-8	Dichlorodifluoromethane	0.0000340U	0.00100	0.0000340	mg/L
10061-01-5	cis-1,3-Dichloropropene	0.0000400U	0.00100	0.0000400	mg/L
10061-02-6	trans-1,3-Dichloropropene	0.0000320U	0.00100	0.0000320	mg/L
75-09-2	Methylene chloride	0.0000780U	0.00100	0.0000780	mg/L
127-18-4	Tetrachloroethene	0.0000720U	0.00100	0.0000720	mg/L
79-01-6	Trichloroethene	0.0000240U	0.00100	0.0000240	mg/L
75-69-4	Trichlorofluoromethane	0.0000270U	0.00100	0.0000270	mg/L
75-01-4	Vinyl chloride	0.0000520U	0.00100	0.0000520	mg/L
156-59-2	cis-1,2-Dichloroethene	0.0000510U	0.00100	0.0000510	mg/L
156-60-5	trans-1,2-Dichloroethene	0.0000370U	0.00100	0.0000370	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.01	.01	mg/L	103	75 - 120
1868-53-7	Dibromofluoromethane	.01	.0089	mg/L	89	85 - 115
2037-26-5	Toluene d8	.01	.011	mg/L	112	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.01	.00855	mg/L	86	70 - 120

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611282902	**MW-10**	Water	11/22/2006 00:00	11/28/2006 09:05

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/30/2006 18:14	JCK	338015

CAS#	Parameter	Result	RDL	MDL	Units
630-20-6	1,1,1,2-Tetrachloroethane	0.0000510U	0.00100	0.0000510	mg/L
71-55-6	1,1,1-Trichloroethane	0.0000550U	0.00100	0.0000550	mg/L
79-34-5	1,1,2,2-Tetrachloroethane	0.0000490U	0.00100	0.0000490	mg/L
79-00-5	1,1,2-Trichloroethane	0.0000730U	0.00100	0.0000730	mg/L
75-34-3	1,1-Dichloroethane	0.0000650U	0.00100	0.0000650	mg/L
75-35-4	1,1-Dichloroethene	0.0000220U	0.00100	0.0000220	mg/L
96-18-4	1,2,3-Trichloropropane	0.0000320U	0.00100	0.0000320	mg/L
95-50-1	1,2-Dichlorobenzene	0.0000470U	0.00100	0.0000470	mg/L
107-06-2	1,2-Dichloroethane	0.0000280U	0.00100	0.0000280	mg/L
78-87-5	1,2-Dichloropropane	0.0000330U	0.00100	0.0000330	mg/L
541-73-1	1,3-Dichlorobenzene	0.0000240U	0.00100	0.0000240	mg/L
106-46-7	1,4-Dichlorobenzene	0.0000550U	0.00100	0.0000550	mg/L
108-86-1	Bromobenzene	0.0000200U	0.00100	0.0000200	mg/L
75-27-4	Bromodichloromethane	0.0000200U	0.00100	0.0000200	mg/L
75-25-2	Bromoform	0.0000890U	0.00100	0.0000890	mg/L
74-83-9	Bromomethane	0.0000530U	0.00100	0.0000530	mg/L
56-23-5	Carbon tetrachloride	0.0000310U	0.00100	0.0000310	mg/L
108-90-7	Chlorobenzene	0.0000430U	0.00100	0.0000430	mg/L
75-00-3	Chloroethane	0.0000970U	0.00100	0.0000970	mg/L
67-66-3	Chloroform	0.0000470U	0.000300	0.0000470	mg/L
74-87-3	Chloromethane	0.0000930U	0.00100	0.0000930	mg/L
124-48-1	Dibromochloromethane	0.0000220U	0.00100	0.0000220	mg/L
74-95-3	Dibromomethane	0.0000740U	0.00100	0.0000740	mg/L
75-71-8	Dichlorodifluoromethane	0.0000340U	0.00100	0.0000340	mg/L
10061-01-5	cis-1,3-Dichloropropene	0.0000400U	0.00100	0.0000400	mg/L
10061-02-6	trans-1,3-Dichloropropene	0.0000320U	0.00100	0.0000320	mg/L
75-09-2	Methylene chloride	0.0000780U	0.00100	0.0000780	mg/L
127-18-4	**Tetrachloroethene**	**0.00490**	**0.00100**	**0.0000720**	**mg/L**
79-01-6	**Trichloroethene**	**0.011**	**0.00100**	**0.0000240**	**mg/L**
75-69-4	Trichlorofluoromethane	0.0000270U	0.00100	0.0000270	mg/L
75-01-4	**Vinyl chloride**	**0.00150**	**0.00100**	**0.0000520**	**mg/L**
156-59-2	**cis-1,2-Dichloroethene**	**0.00580**	**0.00100**	**0.0000510**	**mg/L**
156-60-5	trans-1,2-Dichloroethene	0.0000370U	0.00100	0.0000370	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.01	.011	mg/L	107	75 - 120
1868-53-7	Dibromofluoromethane	.01	.00904	mg/L	90	85 - 115
2037-26-5	Toluene d8	.01	.011	mg/L	109	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.01	.0092	mg/L	92	70 - 120

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611282903	**MW-11**	Water	11/22/2006 00:00	11/28/2006 09:05

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/30/2006 20:39	JCK	338015

CAS#	Parameter	Result	RDL	MDL	Units
630-20-6	1,1,1,2-Tetrachloroethane	0.0000510U	0.00100	0.0000510	mg/L
71-55-6	1,1,1-Trichloroethane	0.0000550U	0.00100	0.0000550	mg/L
79-34-5	1,1,2,2-Tetrachloroethane	0.0000490U	0.00100	0.0000490	mg/L
79-00-5	1,1,2-Trichloroethane	0.0000730U	0.00100	0.0000730	mg/L
75-34-3	1,1-Dichloroethane	0.0000650U	0.00100	0.0000650	mg/L
75-35-4	1,1-Dichloroethene	0.0000220U	0.00100	0.0000220	mg/L
96-18-4	1,2,3-Trichloropropane	0.0000320U	0.00100	0.0000320	mg/L
95-50-1	1,2-Dichlorobenzene	0.0000470U	0.00100	0.0000470	mg/L
107-06-2	1,2-Dichloroethane	0.0000280U	0.00100	0.0000280	mg/L
78-87-5	1,2-Dichloropropane	0.0000330U	0.00100	0.0000330	mg/L
541-73-1	1,3-Dichlorobenzene	0.0000240U	0.00100	0.0000240	mg/L
106-46-7	1,4-Dichlorobenzene	0.0000550U	0.00100	0.0000550	mg/L
108-86-1	Bromobenzene	0.0000200U	0.00100	0.0000200	mg/L
75-27-4	Bromodichloromethane	0.0000200U	0.00100	0.0000200	mg/L
75-25-2	Bromoform	0.0000890U	0.00100	0.0000890	mg/L
74-83-9	Bromomethane	0.0000530U	0.00100	0.0000530	mg/L
56-23-5	Carbon tetrachloride	0.0000310U	0.00100	0.0000310	mg/L
108-90-7	Chlorobenzene	0.0000430U	0.00100	0.0000430	mg/L
75-00-3	Chloroethane	0.0000970U	0.00100	0.0000970	mg/L
67-66-3	Chloroform	0.0000470U	0.000300	0.0000470	mg/L
74-87-3	Chloromethane	0.0000930U	0.00100	0.0000930	mg/L
124-48-1	Dibromochloromethane	0.0000220U	0.00100	0.0000220	mg/L
74-95-3	Dibromomethane	0.0000740U	0.00100	0.0000740	mg/L
75-71-8	Dichlorodifluoromethane	0.0000340U	0.00100	0.0000340	mg/L
10061-01-5	cis-1,3-Dichloropropene	0.0000400U	0.00100	0.0000400	mg/L
10061-02-6	trans-1,3-Dichloropropene	0.0000320U	0.00100	0.0000320	mg/L
75-09-2	Methylene chloride	0.0000780U	0.00100	0.0000780	mg/L
127-18-4	Tetrachloroethene	0.0000720U	0.00100	0.0000720	mg/L
75-69-4	Trichlorofluoromethane	0.0000270U	0.00100	0.0000270	mg/L
75-01-4	Vinyl chloride	0.0000520U	0.00100	0.0000520	mg/L
156-59-2	cis-1,2-Dichloroethene	0.0000510U	0.00100	0.0000510	mg/L
156-60-5	trans-1,2-Dichloroethene	0.0000370U	0.00100	0.0000370	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.01	.011	mg/L	110	75 - 120
1868-53-7	Dibromofluoromethane	.01	.00912	mg/L	91	85 - 115
2037-26-5	Toluene d8	.01	.011	mg/L	112	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.01	.00903	mg/L	90	70 - 120

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611282903	**MW-11**	Water	11/22/2006 00:00	11/28/2006 09:05

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			4	12/01/2006 09:00	VWM	338042

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	**Trichloroethene**	**0.063**	**0.00400**	**0.0000960**	**mg/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.04	.043	mg/L	107	75 - 120
1868-53-7	Dibromofluoromethane	.04	.037	mg/L	92	85 - 115
2037-26-5	Toluene d8	.04	.047	mg/L	116	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.04	.037	mg/L	91	70 - 120

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611282904	**MW-12**	Water	11/22/2006 00:00	11/28/2006 09:05

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/30/2006 21:05	JCK	338015

CAS#	Parameter	Result	RDL	MDL	Units
630-20-6	1,1,1,2-Tetrachloroethane	0.0000510U	0.00100	0.0000510	mg/L
71-55-6	1,1,1-Trichloroethane	0.0000550U	0.00100	0.0000550	mg/L
79-34-5	1,1,2,2-Tetrachloroethane	0.0000490U	0.00100	0.0000490	mg/L
79-00-5	1,1,2-Trichloroethane	0.0000730U	0.00100	0.0000730	mg/L
75-34-3	1,1-Dichloroethane	0.0000650U	0.00100	0.0000650	mg/L
75-35-4	1,1-Dichloroethene	0.0000220U	0.00100	0.0000220	mg/L
96-18-4	1,2,3-Trichloropropane	0.0000320U	0.00100	0.0000320	mg/L
95-50-1	1,2-Dichlorobenzene	0.0000470U	0.00100	0.0000470	mg/L
107-06-2	1,2-Dichloroethane	0.0000280U	0.00100	0.0000280	mg/L
78-87-5	1,2-Dichloropropane	0.0000330U	0.00100	0.0000330	mg/L
541-73-1	1,3-Dichlorobenzene	0.0000240U	0.00100	0.0000240	mg/L
106-46-7	1,4-Dichlorobenzene	0.0000550U	0.00100	0.0000550	mg/L
108-86-1	Bromobenzene	0.0000200U	0.00100	0.0000200	mg/L
75-27-4	Bromodichloromethane	0.0000200U	0.00100	0.0000200	mg/L
75-25-2	Bromoform	0.0000890U	0.00100	0.0000890	mg/L
74-83-9	Bromomethane	0.0000530U	0.00100	0.0000530	mg/L
56-23-5	Carbon tetrachloride	0.0000310U	0.00100	0.0000310	mg/L
108-90-7	Chlorobenzene	0.0000430U	0.00100	0.0000430	mg/L
75-00-3	Chloroethane	0.0000970U	0.00100	0.0000970	mg/L
67-66-3	Chloroform	0.0000470U	0.000300	0.0000470	mg/L
74-87-3	Chloromethane	0.0000930U	0.00100	0.0000930	mg/L
124-48-1	Dibromochloromethane	0.0000220U	0.00100	0.0000220	mg/L
74-95-3	Dibromomethane	0.0000740U	0.00100	0.0000740	mg/L
75-71-8	Dichlorodifluoromethane	0.0000340U	0.00100	0.0000340	mg/L
10061-01-5	cis-1,3-Dichloropropene	0.0000400U	0.00100	0.0000400	mg/L
10061-02-6	trans-1,3-Dichloropropene	0.0000320U	0.00100	0.0000320	mg/L
75-09-2	Methylene chloride	0.0000780U	0.00100	0.0000780	mg/L
127-18-4	Tetrachloroethene	0.0000720U	0.00100	0.0000720	mg/L
79-01-6	Trichloroethene	0.0000240U	0.00100	0.0000240	mg/L
75-69-4	Trichlorofluoromethane	0.0000270U	0.00100	0.0000270	mg/L
75-01-4	Vinyl chloride	0.0000520U	0.00100	0.0000520	mg/L
156-59-2	cis-1,2-Dichloroethene	0.0000510U	0.00100	0.0000510	mg/L
156-60-5	trans-1,2-Dichloroethene	0.0000370U	0.00100	0.0000370	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.01	.011	mg/L	111	75 - 120
1868-53-7	Dibromofluoromethane	.01	.00926	mg/L	93	85 - 115
2037-26-5	Toluene d8	.01	.011	mg/L	112	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.01	.00915	mg/L	92	70 - 120

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611282905	**MS MW-9**	Water	11/22/2006 00:00	11/28/2006 09:05

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/30/2006 18:46	JCK	338015

CAS#	Parameter	Result	RDL	MDL	Units
630-20-6	1,1,1,2-Tetrachloroethane	0.00974	0.00100	0.0000510	mg/L
71-55-6	1,1,1-Trichloroethane	0.00966	0.00100	0.0000550	mg/L
79-34-5	1,1,2,2-Tetrachloroethane	0.00963	0.00100	0.0000490	mg/L
79-00-5	1,1,2-Trichloroethane	0.00959	0.00100	0.0000730	mg/L
75-34-3	1,1-Dichloroethane	0.00960	0.00100	0.0000650	mg/L
75-35-4	1,1-Dichloroethene	0.00969	0.00100	0.0000220	mg/L
96-18-4	1,2,3-Trichloropropane	0.00975	0.00100	0.0000320	mg/L
95-50-1	1,2-Dichlorobenzene	0.011	0.00100	0.0000470	mg/L
107-06-2	1,2-Dichloroethane	0.00988	0.00100	0.0000280	mg/L
78-87-5	1,2-Dichloropropane	0.00982	0.00100	0.0000330	mg/L
541-73-1	1,3-Dichlorobenzene	0.010	0.00100	0.0000240	mg/L
106-46-7	1,4-Dichlorobenzene	0.010	0.00100	0.0000550	mg/L
108-86-1	Bromobenzene	0.010	0.00100	0.0000200	mg/L
75-27-4	Bromodichloromethane	0.010	0.00100	0.0000200	mg/L
75-25-2	Bromoform	0.00927	0.00100	0.0000890	mg/L
74-83-9	Bromomethane	0.010	0.00100	0.0000530	mg/L
56-23-5	Carbon tetrachloride	0.010	0.00100	0.0000310	mg/L
108-90-7	Chlorobenzene	0.00998	0.00100	0.0000430	mg/L
75-00-3	Chloroethane	0.00964	0.00100	0.0000970	mg/L
67-66-3	Chloroform	0.00979	0.000300	0.0000470	mg/L
74-87-3	Chloromethane	0.00925	0.00100	0.0000930	mg/L
124-48-1	Dibromochloromethane	0.011	0.00100	0.0000220	mg/L
74-95-3	Dibromomethane	0.010	0.00100	0.0000740	mg/L
75-71-8	Dichlorodifluoromethane	0.00982	0.00100	0.0000340	mg/L
10061-01-5	cis-1,3-Dichloropropene	0.00947	0.00100	0.0000400	mg/L
10061-02-6	trans-1,3-Dichloropropene	0.00938	0.00100	0.0000320	mg/L
75-09-2	Methylene chloride	0.00892	0.00100	0.0000780	mg/L
127-18-4	Tetrachloroethene	0.010	0.00100	0.0000720	mg/L
79-01-6	Trichloroethene	0.011	0.00100	0.0000240	mg/L
75-69-4	Trichlorofluoromethane	0.00975	0.00100	0.0000270	mg/L
75-01-4	Vinyl chloride	0.010	0.00100	0.0000520	mg/L
156-59-2	cis-1,2-Dichloroethene	0.010	0.00100	0.0000510	mg/L
156-60-5	trans-1,2-Dichloroethene	0.00982	0.00100	0.0000370	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.01	.01	mg/L	104	75 - 120
1868-53-7	Dibromofluoromethane	.01	.00878	mg/L	88	85 - 115
2037-26-5	Toluene d8	.01	.011	mg/L	107	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.01	.00875	mg/L	88	70 - 120

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611282906	**MSD MW-9**	Water	11/22/2006 00:00	11/28/2006 09:05

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/30/2006 19:10	JCK	338015

CAS#	Parameter	Result	RDL	MDL	Units
630-20-6	1,1,1,2-Tetrachloroethane	0.010	0.00100	0.0000510	mg/L
71-55-6	1,1,1-Trichloroethane	0.00989	0.00100	0.0000550	mg/L
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.00100	0.0000490	mg/L
79-00-5	1,1,2-Trichloroethane	0.00967	0.00100	0.0000730	mg/L
75-34-3	1,1-Dichloroethane	0.010	0.00100	0.0000650	mg/L
75-35-4	1,1-Dichloroethene	0.010	0.00100	0.0000220	mg/L
96-18-4	1,2,3-Trichloropropane	0.00991	0.00100	0.0000320	mg/L
95-50-1	1,2-Dichlorobenzene	0.011	0.00100	0.0000470	mg/L
107-06-2	1,2-Dichloroethane	0.010	0.00100	0.0000280	mg/L
78-87-5	1,2-Dichloropropane	0.010	0.00100	0.0000330	mg/L
541-73-1	1,3-Dichlorobenzene	0.010	0.00100	0.0000240	mg/L
106-46-7	1,4-Dichlorobenzene	0.010	0.00100	0.0000550	mg/L
108-86-1	Bromobenzene	0.011	0.00100	0.0000200	mg/L
75-27-4	Bromodichloromethane	0.010	0.00100	0.0000200	mg/L
75-25-2	Bromoform	0.00950	0.00100	0.0000890	mg/L
74-83-9	Bromomethane	0.00968	0.00100	0.0000530	mg/L
56-23-5	Carbon tetrachloride	0.010	0.00100	0.0000310	mg/L
108-90-7	Chlorobenzene	0.010	0.00100	0.0000430	mg/L
75-00-3	Chloroethane	0.010	0.00100	0.0000970	mg/L
67-66-3	Chloroform	0.010	0.000300	0.0000470	mg/L
74-87-3	Chloromethane	0.00587	0.00100	0.0000930	mg/L
124-48-1	Dibromochloromethane	0.011	0.00100	0.0000220	mg/L
74-95-3	Dibromomethane	0.00982	0.00100	0.0000740	mg/L
75-71-8	Dichlorodifluoromethane	0.010	0.00100	0.0000340	mg/L
10061-01-5	cis-1,3-Dichloropropene	0.00965	0.00100	0.0000400	mg/L
10061-02-6	trans-1,3-Dichloropropene	0.00935	0.00100	0.0000320	mg/L
75-09-2	Methylene chloride	0.00944	0.00100	0.0000780	mg/L
127-18-4	Tetrachloroethene	0.011	0.00100	0.0000720	mg/L
79-01-6	Trichloroethene	0.011	0.00100	0.0000240	mg/L
75-69-4	Trichlorofluoromethane	0.010	0.00100	0.0000270	mg/L
75-01-4	Vinyl chloride	0.011	0.00100	0.0000520	mg/L
156-59-2	cis-1,2-Dichloroethene	0.010	0.00100	0.0000510	mg/L
156-60-5	trans-1,2-Dichloroethene	0.010	0.00100	0.0000370	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.01	.01	mg/L	104	75 - 120
1868-53-7	Dibromofluoromethane	.01	.00892	mg/L	89	85 - 115
2037-26-5	Toluene d8	.01	.011	mg/L	108	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.01	.00893	mg/L	89	70 - 120

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611282907	**DUP**	Water	11/22/2006 00:00	11/28/2006 09:05

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/30/2006 21:27	JCK	338015

CAS#	Parameter	Result	RDL	MDL	Units
630-20-6	1,1,1,2-Tetrachloroethane	0.0000510U	0.00100	0.0000510	mg/L
71-55-6	1,1,1-Trichloroethane	0.0000550U	0.00100	0.0000550	mg/L
79-34-5	1,1,2,2-Tetrachloroethane	0.0000490U	0.00100	0.0000490	mg/L
79-00-5	1,1,2-Trichloroethane	0.0000730U	0.00100	0.0000730	mg/L
75-34-3	1,1-Dichloroethane	0.0000650U	0.00100	0.0000650	mg/L
75-35-4	1,1-Dichloroethene	0.0000220U	0.00100	0.0000220	mg/L
96-18-4	1,2,3-Trichloropropane	0.0000320U	0.00100	0.0000320	mg/L
95-50-1	1,2-Dichlorobenzene	0.0000470U	0.00100	0.0000470	mg/L
107-06-2	1,2-Dichloroethane	0.0000280U	0.00100	0.0000280	mg/L
78-87-5	1,2-Dichloropropane	0.0000330U	0.00100	0.0000330	mg/L
541-73-1	1,3-Dichlorobenzene	0.0000240U	0.00100	0.0000240	mg/L
106-46-7	1,4-Dichlorobenzene	0.0000550U	0.00100	0.0000550	mg/L
108-86-1	Bromobenzene	0.0000200U	0.00100	0.0000200	mg/L
75-27-4	Bromodichloromethane	0.0000200U	0.00100	0.0000200	mg/L
75-25-2	Bromoform	0.0000890U	0.00100	0.0000890	mg/L
74-83-9	Bromomethane	0.0000530U	0.00100	0.0000530	mg/L
56-23-5	Carbon tetrachloride	0.0000310U	0.00100	0.0000310	mg/L
108-90-7	Chlorobenzene	0.0000430U	0.00100	0.0000430	mg/L
75-00-3	Chloroethane	0.0000970U	0.00100	0.0000970	mg/L
67-66-3	Chloroform	0.0000470U	0.000300	0.0000470	mg/L
74-87-3	Chloromethane	0.0000930U	0.00100	0.0000930	mg/L
124-48-1	Dibromochloromethane	0.0000220U	0.00100	0.0000220	mg/L
74-95-3	Dibromomethane	0.0000740U	0.00100	0.0000740	mg/L
75-71-8	Dichlorodifluoromethane	0.0000340U	0.00100	0.0000340	mg/L
10061-01-5	cis-1,3-Dichloropropene	0.0000400U	0.00100	0.0000400	mg/L
10061-02-6	trans-1,3-Dichloropropene	0.0000320U	0.00100	0.0000320	mg/L
75-09-2	Methylene chloride	0.0000780U	0.00100	0.0000780	mg/L
127-18-4	**Tetrachloroethene**	**0.00483**	**0.00100**	**0.0000720**	**mg/L**
79-01-6	**Trichloroethene**	**0.011**	**0.00100**	**0.0000240**	**mg/L**
75-69-4	Trichlorofluoromethane	0.0000270U	0.00100	0.0000270	mg/L
75-01-4	**Vinyl chloride**	**0.00133**	**0.00100**	**0.0000520**	**mg/L**
156-59-2	**cis-1,2-Dichloroethene**	**0.00548**	**0.00100**	**0.0000510**	**mg/L**
156-60-5	trans-1,2-Dichloroethene	0.0000370U	0.00100	0.0000370	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.01	.011	mg/L	105	75 - 120
1868-53-7	Dibromofluoromethane	.01	.0093	mg/L	93	85 - 115
2037-26-5	Toluene d8	.01	.011	mg/L	108	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.01	.00916	mg/L	92	70 - 120

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611282908	TRIP	Water	11/22/2006 00:00	11/28/2006 09:05

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/30/2006 19:55	JCK	338015

CAS#	Parameter	Result	RDL	MDL	Units
630-20-6	1,1,1,2-Tetrachloroethane	0.0000510U	0.00100	0.0000510	mg/L
71-55-6	1,1,1-Trichloroethane	0.0000550U	0.00100	0.0000550	mg/L
79-34-5	1,1,2,2-Tetrachloroethane	0.0000490U	0.00100	0.0000490	mg/L
79-00-5	1,1,2-Trichloroethane	0.0000730U	0.00100	0.0000730	mg/L
75-34-3	1,1-Dichloroethane	0.0000650U	0.00100	0.0000650	mg/L
75-35-4	1,1-Dichloroethene	0.0000220U	0.00100	0.0000220	mg/L
96-18-4	1,2,3-Trichloropropane	0.0000320U	0.00100	0.0000320	mg/L
95-50-1	1,2-Dichlorobenzene	0.0000470U	0.00100	0.0000470	mg/L
107-06-2	1,2-Dichloroethane	0.0000280U	0.00100	0.0000280	mg/L
78-87-5	1,2-Dichloropropane	0.0000330U	0.00100	0.0000330	mg/L
541-73-1	1,3-Dichlorobenzene	0.0000240U	0.00100	0.0000240	mg/L
106-46-7	1,4-Dichlorobenzene	0.0000550U	0.00100	0.0000550	mg/L
108-86-1	Bromobenzene	0.0000200U	0.00100	0.0000200	mg/L
75-27-4	Bromodichloromethane	0.0000200U	0.00100	0.0000200	mg/L
75-25-2	Bromoform	0.0000890U	0.00100	0.0000890	mg/L
74-83-9	Bromomethane	0.0000530U	0.00100	0.0000530	mg/L
56-23-5	Carbon tetrachloride	0.0000310U	0.00100	0.0000310	mg/L
108-90-7	Chlorobenzene	0.0000430U	0.00100	0.0000430	mg/L
75-00-3	Chloroethane	0.0000970U	0.00100	0.0000970	mg/L
67-66-3	Chloroform	0.0000470U	0.000300	0.0000470	mg/L
74-87-3	Chloromethane	0.0000930U	0.00100	0.0000930	mg/L
124-48-1	Dibromochloromethane	0.0000220U	0.00100	0.0000220	mg/L
74-95-3	Dibromomethane	0.0000740U	0.00100	0.0000740	mg/L
75-71-8	Dichlorodifluoromethane	0.0000340U	0.00100	0.0000340	mg/L
10061-01-5	cis-1,3-Dichloropropene	0.0000400U	0.00100	0.0000400	mg/L
10061-02-6	trans-1,3-Dichloropropene	0.0000320U	0.00100	0.0000320	mg/L
75-09-2	Methylene chloride	0.0000780U	0.00100	0.0000780	mg/L
127-18-4	Tetrachloroethene	0.0000720U	0.00100	0.0000720	mg/L
79-01-6	Trichloroethene	0.0000240U	0.00100	0.0000240	mg/L
75-69-4	Trichlorofluoromethane	0.0000270U	0.00100	0.0000270	mg/L
75-01-4	Vinyl chloride	0.0000520U	0.00100	0.0000520	mg/L
156-59-2	cis-1,2-Dichloroethene	0.0000510U	0.00100	0.0000510	mg/L
156-60-5	trans-1,2-Dichloroethene	0.0000370U	0.00100	0.0000370	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.01	.011	mg/L	105	75 - 120
1868-53-7	Dibromofluoromethane	.01	.00892	mg/L	89	85 - 115
2037-26-5	Toluene d8	.01	.011	mg/L	110	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.01	.0087	mg/L	87	70 - 120

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611282909	**RINSATE**	Water	11/22/2006 00:00	11/28/2006 09:05

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/01/2006 09:22	VWM	338042

CAS#	Parameter	Result	RDL	MDL	Units
630-20-6	1,1,1,2-Tetrachloroethane	0.0000510U	0.00100	0.0000510	mg/L
71-55-6	1,1,1-Trichloroethane	0.0000550U	0.00100	0.0000550	mg/L
79-34-5	1,1,2,2-Tetrachloroethane	0.0000490U	0.00100	0.0000490	mg/L
79-00-5	1,1,2-Trichloroethane	0.0000730U	0.00100	0.0000730	mg/L
75-34-3	1,1-Dichloroethane	0.0000650U	0.00100	0.0000650	mg/L
75-35-4	1,1-Dichloroethene	0.0000220U	0.00100	0.0000220	mg/L
96-18-4	1,2,3-Trichloropropane	0.0000320U	0.00100	0.0000320	mg/L
95-50-1	1,2-Dichlorobenzene	0.0000470U	0.00100	0.0000470	mg/L
107-06-2	1,2-Dichloroethane	0.0000280U	0.00100	0.0000280	mg/L
78-87-5	1,2-Dichloropropane	0.0000330U	0.00100	0.0000330	mg/L
541-73-1	1,3-Dichlorobenzene	0.0000240U	0.00100	0.0000240	mg/L
106-46-7	1,4-Dichlorobenzene	0.0000550U	0.00100	0.0000550	mg/L
108-86-1	Bromobenzene	0.0000200U	0.00100	0.0000200	mg/L
75-27-4	Bromodichloromethane	0.0000200U	0.00100	0.0000200	mg/L
75-25-2	Bromoform	0.0000890U	0.00100	0.0000890	mg/L
74-83-9	Bromomethane	0.0000530U	0.00100	0.0000530	mg/L
56-23-5	Carbon tetrachloride	0.0000310U	0.00100	0.0000310	mg/L
108-90-7	Chlorobenzene	0.0000430U	0.00100	0.0000430	mg/L
75-00-3	Chloroethane	0.0000970U	0.00100	0.0000970	mg/L
67-66-3	Chloroform	0.0000470U	0.000300	0.0000470	mg/L
74-87-3	Chloromethane	0.0000930U	0.00100	0.0000930	mg/L
124-48-1	Dibromochloromethane	0.0000220U	0.00100	0.0000220	mg/L
74-95-3	Dibromomethane	0.0000740U	0.00100	0.0000740	mg/L
75-71-8	Dichlorodifluoromethane	0.0000340U	0.00100	0.0000340	mg/L
10061-01-5	cis-1,3-Dichloropropene	0.0000400U	0.00100	0.0000400	mg/L
10061-02-6	trans-1,3-Dichloropropene	0.0000320U	0.00100	0.0000320	mg/L
75-09-2	Methylene chloride	0.0000780U	0.00100	0.0000780	mg/L
127-18-4	Tetrachloroethene	0.0000720U	0.00100	0.0000720	mg/L
79-01-6	Trichloroethene	0.0000240U	0.00100	0.0000240	mg/L
75-69-4	Trichlorofluoromethane	0.0000270U	0.00100	0.0000270	mg/L
75-01-4	Vinyl chloride	0.0000520U	0.00100	0.0000520	mg/L
156-59-2	cis-1,2-Dichloroethene	0.0000510U	0.00100	0.0000510	mg/L
156-60-5	trans-1,2-Dichloroethene	0.0000370U	0.00100	0.0000370	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.01	.011	mg/L	109	75 - 120
1868-53-7	Dibromofluoromethane	.01	.00868	mg/L	87	85 - 115
2037-26-5	Toluene d8	.01	.011	mg/L	114	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.01	.00841	mg/L	84	70 - 120

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20611282910	**FIELD BLANK**	Water	11/22/2006 00:00	11/28/2006 09:05

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/30/2006 20:17	JCK	338015

CAS#	Parameter	Result	RDL	MDL	Units
630-20-6	1,1,1,2-Tetrachloroethane	0.0000510U	0.00100	0.0000510	mg/L
71-55-6	1,1,1-Trichloroethane	0.0000550U	0.00100	0.0000550	mg/L
79-34-5	1,1,2,2-Tetrachloroethane	0.0000490U	0.00100	0.0000490	mg/L
79-00-5	1,1,2-Trichloroethane	0.0000730U	0.00100	0.0000730	mg/L
75-34-3	1,1-Dichloroethane	0.0000650U	0.00100	0.0000650	mg/L
75-35-4	1,1-Dichloroethene	0.0000220U	0.00100	0.0000220	mg/L
96-18-4	1,2,3-Trichloropropane	0.0000320U	0.00100	0.0000320	mg/L
95-50-1	1,2-Dichlorobenzene	0.0000470U	0.00100	0.0000470	mg/L
107-06-2	1,2-Dichloroethane	0.0000280U	0.00100	0.0000280	mg/L
78-87-5	1,2-Dichloropropane	0.0000330U	0.00100	0.0000330	mg/L
541-73-1	1,3-Dichlorobenzene	0.0000240U	0.00100	0.0000240	mg/L
106-46-7	1,4-Dichlorobenzene	0.0000550U	0.00100	0.0000550	mg/L
108-86-1	Bromobenzene	0.0000200U	0.00100	0.0000200	mg/L
75-27-4	Bromodichloromethane	0.0000200U	0.00100	0.0000200	mg/L
75-25-2	Bromoform	0.0000890U	0.00100	0.0000890	mg/L
74-83-9	Bromomethane	0.0000530U	0.00100	0.0000530	mg/L
56-23-5	Carbon tetrachloride	0.0000310U	0.00100	0.0000310	mg/L
108-90-7	Chlorobenzene	0.0000430U	0.00100	0.0000430	mg/L
75-00-3	Chloroethane	0.0000970U	0.00100	0.0000970	mg/L
67-66-3	Chloroform	0.0000470U	0.000300	0.0000470	mg/L
74-87-3	Chloromethane	0.0000930U	0.00100	0.0000930	mg/L
124-48-1	Dibromochloromethane	0.0000220U	0.00100	0.0000220	mg/L
74-95-3	Dibromomethane	0.0000740U	0.00100	0.0000740	mg/L
75-71-8	Dichlorodifluoromethane	0.0000340U	0.00100	0.0000340	mg/L
10061-01-5	cis-1,3-Dichloropropene	0.0000400U	0.00100	0.0000400	mg/L
10061-02-6	trans-1,3-Dichloropropene	0.0000320U	0.00100	0.0000320	mg/L
75-09-2	Methylene chloride	0.0000780U	0.00100	0.0000780	mg/L
127-18-4	Tetrachloroethene	0.0000720U	0.00100	0.0000720	mg/L
79-01-6	Trichloroethene	0.0000240U	0.00100	0.0000240	mg/L
75-69-4	Trichlorofluoromethane	0.0000270U	0.00100	0.0000270	mg/L
75-01-4	Vinyl chloride	0.0000520U	0.00100	0.0000520	mg/L
156-59-2	cis-1,2-Dichloroethene	0.0000510U	0.00100	0.0000510	mg/L
156-60-5	trans-1,2-Dichloroethene	0.0000370U	0.00100	0.0000370	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.01	.011	mg/L	110	75 - 120
1868-53-7	Dibromofluoromethane	.01	.0092	mg/L	92	85 - 115
2037-26-5	Toluene d8	.01	.011	mg/L	110	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.01	.00901	mg/L	90	70 - 120

GC/MS Volatiles Quality Control Summary

Analytical Batch 338015	**Client ID**	MB338015	LCS338015	LCSD338015
Prep Batch N/A	**GCAL ID**	434552	434553	434554
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	11/30/2006 17:04	11/30/2006 15:35	11/30/2006 15:57
	Matrix	Water	Water	Water

8260B, Volatiles		**Units**	mg/L	**Spike**			**Control**				
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
75-27-4	Bromodichloromethane	0.0000200U	0.0000200	0.010	0.00949	95	75 - 120	0.00976	98	3	20
75-25-2	Bromoform	0.0000890U	0.0000890	0.010	0.00922	92	70 - 130	0.00915	92	0.8	20
74-83-9	Bromomethane	0.0000530U	0.0000530	0.010	0.00930	93	30 - 145	0.00988	99	6	20
56-23-5	Carbon tetrachloride	0.0000310U	0.0000310	0.010	0.00919	92	65 - 140	0.00936	94	2	20
75-00-3	Chloroethane	0.0000970U	0.0000970	0.010	0.00912	91	60 - 135	0.00883	88	3	20
67-66-3	Chloroform	0.0000470U	0.0000470	0.010	0.00938	94	65 - 135	0.00963	96	3	20
74-87-3	Chloromethane	0.0000930U	0.0000930	0.010	0.00923	92	40 - 125	0.00877	88	5	20
124-48-1	Dibromochloromethane	0.0000220U	0.0000220	0.010	0.011	107	60 - 135	0.011	109	0	20
74-95-3	Dibromomethane	0.0000740U	0.0000740	0.010	0.00914	91	76 - 125	0.00942	94	3	20
75-71-8	Dichlorodifluoromethane	0.0000340U	0.0000340	0.010	0.00901	90	30 - 155	0.00930	93	3	20
75-34-3	1,1-Dichloroethane	0.0000650U	0.0000650	0.010	0.00927	93	70 - 135	0.00941	94	1	20
107-06-2	1,2-Dichloroethane	0.0000280U	0.0000280	0.010	0.00939	94	70 - 130	0.00941	94	0.2	20
156-59-2	cis-1,2-Dichloroethene	0.0000510U	0.0000510	0.010	0.00964	96	70 - 125	0.00974	97	1	20
156-60-5	trans-1,2-Dichloroethene	0.0000370U	0.0000370	0.010	0.00934	93	60 - 140	0.00950	95	2	20
75-09-2	Methylene chloride	0.0000780U	0.0000780	0.010	0.00856	86	55 - 140	0.00870	87	2	20
78-87-5	1,2-Dichloropropane	0.0000330U	0.0000330	0.010	0.00935	94	75 - 125	0.00977	98	4	20
10061-01-5	cis-1,3-Dichloropropene	0.0000400U	0.0000400	0.010	0.00946	95	70 - 130	0.00967	97	2	20
10061-02-6	trans-1,3-Dichloropropene	0.0000320U	0.0000320	0.010	0.00918	92	55 - 140	0.00934	93	2	20
127-18-4	Tetrachloroethene	0.0000720U	0.0000720	0.010	0.010	102	45 - 150	0.00997	100	0.3	20
630-20-6	1,1,1,2-Tetrachloroethane	0.0000510U	0.0000510	0.010	0.00965	97	80 - 130	0.00954	95	1	20
79-34-5	1,1,2,2-Tetrachloroethane	0.0000490U	0.0000490	0.010	0.00946	95	65 - 130	0.00968	97	2	20
71-55-6	1,1,1-Trichloroethane	0.0000550U	0.0000550	0.010	0.00894	89	65 - 130	0.00916	92	2	20
79-00-5	1,1,2-Trichloroethane	0.0000730U	0.0000730	0.010	0.00910	91	75 - 125	0.00931	93	2	20
75-69-4	Trichlorofluoromethane	0.0000270U	0.0000270	0.010	0.00884	88	60 - 145	0.00888	89	0.5	20
96-18-4	1,2,3-Trichloropropane	0.0000320U	0.0000320	0.010	0.00964	96	75 - 125	0.00937	94	3	20
75-01-4	Vinyl chloride	0.0000520U	0.0000520	0.010	0.010	100	50 - 145	0.010	101	0	20
108-86-1	Bromobenzene	0.0000200U	0.0000200	0.010	0.010	104	76 - 124	0.010	101	0	20
541-73-1	1,3-Dichlorobenzene	0.0000240U	0.0000240	0.010	0.010	100	75 - 125	0.00968	97	3	20
106-46-7	1,4-Dichlorobenzene	0.0000550U	0.0000550	0.010	0.00990	99	75 - 125	0.00968	97	2	20
95-50-1	1,2-Dichlorobenzene	0.0000470U	0.0000470	0.010	0.010	104	70 - 120	0.010	101	0	20
75-35-4	1,1-Dichloroethene	0.0000220U	0.0000220	0.010	0.00981	98	70 - 130	0.00982	98	0.1	20
79-01-6	Trichloroethene	0.0000240U	0.0000240	0.010	0.00982	98	70 - 125	0.010	100	2	20
108-90-7	Chlorobenzene	0.0000430U	0.0000430	0.010	0.00982	98	80 - 120	0.00974	97	0.8	20

GC/MS Volatiles Quality Control Summary

Analytical Batch 338015	**Client ID**	MB338015	LCS338015	LCSD338015	
Prep Batch N/A	**GCAL ID**	434552	434553	434554	
	Sample Type	Method Blank	LCS	LCSD	
	Analytical Date	11/30/2006 17:04	11/30/2006 15:35	11/30/2006 15:57	
	Matrix	Water	Water	Water	

8260B, Volatiles		**Units**	mg/L	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
Surrogate											
460-00-4	4-Bromofluorobenzene	10.6	106	10	10.4	104	75 - 120	10.3	103		
1868-53-7	Dibromofluoromethane	9.12	91	10	8.48	85	85 - 115	8.96	90		
2037-26-5	Toluene d8	11.2	112	10	10.9	109	85 - 120	10.7	107		
17060-07-0	1,2-Dichloroethane-d4	8.72	87	10	8.1	81	70 - 120	8.69	87		

Analytical Batch 338015	**Client ID**	MW-9	MS MW-9	MSD MW-9	
Prep Batch N/A	**GCAL ID**	20611282901	20611282905	20611282906	
	Sample Type	SAMPLE	MS	MSD	
	Analytical Date	11/30/2006 17:51	11/30/2006 18:46	11/30/2006 19:10	
	Matrix	Water	Water	Water	

8260B, Volatiles		**Units**	mg/L	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
630-20-6	1,1,1,2-Tetrachloroethane	0.00	0.0000510	0.010	0.00974	97	81 - 129	0.010	101	3	20
71-55-6	1,1,1-Trichloroethane	0.00	0.0000550	0.010	0.00966	97	67 - 132	0.00989	99	2	20
79-34-5	1,1,2,2-Tetrachloroethane	0.00	0.0000490	0.010	0.00963	96	63 - 128	0.010	104	4	20
79-00-5	1,1,2-Trichloroethane	0.00	0.0000730	0.010	0.00959	96	75 - 125	0.00967	97	0.8	20
75-34-3	1,1-Dichloroethane	0.00	0.0000650	0.010	0.00960	96	69 - 133	0.010	102	4	20
75-35-4	1,1-Dichloroethene	0.00	0.0000220	0.010	0.00969	97	68 - 130	0.010	103	3	20
96-18-4	1,2,3-Trichloropropane	0.00	0.0000320	0.010	0.00975	98	73 - 124	0.00991	99	2	20
95-50-1	1,2-Dichlorobenzene	0.00	0.0000470	0.010	0.011	105	71 - 122	0.011	107	0	20
107-06-2	1,2-Dichloroethane	0.00	0.0000280	0.010	0.00988	99	69 - 132	0.010	101	1	20
78-87-5	1,2-Dichloropropane	0.00	0.0000330	0.010	0.00982	98	75 - 125	0.010	104	2	20
541-73-1	1,3-Dichlorobenzene	0.00	0.0000240	0.010	0.010	102	75 - 124	0.010	103	0	20
106-46-7	1,4-Dichlorobenzene	0.00	0.0000550	0.010	0.010	101	74 - 123	0.010	103	0	20
108-86-1	Bromobenzene	0.00	0.0000200	0.010	0.010	104	76 - 124	0.011	107	10	20
75-27-4	Bromodichloromethane	0.00	0.0000200	0.010	0.010	102	76 - 121	0.010	104	0	20
75-25-2	Bromoform	0.00	0.0000890	0.010	0.00927	93	69 - 128	0.00950	95	2	20
74-83-9	Bromomethane	0.00	0.0000530	0.010	0.010	102	53 - 141	0.00968	97	3	20
56-23-5	Carbon tetrachloride	0.00	0.0000310	0.010	0.010	101	66 - 138	0.010	103	0	20
108-90-7	Chlorobenzene	0.00	0.0000430	0.010	0.00998	100	81 - 122	0.010	103	0.2	20
75-00-3	Chloroethane	0.00	0.0000970	0.010	0.00964	96	58 - 133	0.010	101	4	20

GC/MS Volatiles Quality Control Summary

Analytical Batch 338015	**Client ID**	MW-9	MS MW-9	MSD MW-9	
Prep Batch N/A	**GCAL ID**	20611282901	20611282905	20611282906	
	Sample Type	SAMPLE	MS	MSD	
	Analytical Date	11/30/2006 17:51	11/30/2006 18:46	11/30/2006 19:10	
	Matrix	Water	Water	Water	

8260B, Volatiles		**Units**	mg/L	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
67-66-3	Chloroform	0.00	0.0000470	0.010	0.00979	98	69 - 128	0.010	102	2	20
74-87-3	Chloromethane	0.00	0.0000930	0.010	0.00925	93	56 - 131	0.00587	59	45*	20
124-48-1	Dibromochloromethane	0.00	0.0000220	0.010	0.011	108	66 - 133	0.011	113	0	20
74-95-3	Dibromomethane	0.00	0.0000740	0.010	0.010	100	76 - 125	0.00982	98	2	20
75-71-8	Dichlorodifluoromethane	0.00	0.0000340	0.010	0.00982	98	53 - 153	0.010	104	2	20
10061-01-5	cis-1,3-Dichloropropene	0.00	0.0000400	0.010	0.00947	95	69 - 131	0.00965	97	2	20
10061-02-6	trans-1,3-Dichloropropene	0.00	0.0000320	0.010	0.00938	94	59 - 135	0.00935	94	0.3	20
75-09-2	Methylene chloride	0.00	0.0000780	0.010	0.00892	89	63 - 137	0.00944	94	6	20
127-18-4	Tetrachloroethene	0.00	0.0000720	0.010	0.010	104	66 - 128	0.011	107	10	20
79-01-6	Trichloroethene	0.00	0.0000240	0.010	0.011	105	70 - 127	0.011	105	0	20
75-69-4	Trichlorofluoromethane	0.00	0.0000270	0.010	0.00975	98	57 - 129	0.010	102	3	20
75-01-4	Vinyl chloride	0.00	0.0000520	0.010	0.010	103	50 - 134	0.011	110	10	20
156-59-2	cis-1,2-Dichloroethene	0.00	0.0000510	0.010	0.010	101	72 - 126	0.010	103	0	20
156-60-5	trans-1,2-Dichloroethene	0.00	0.0000370	0.010	0.00982	98	63 - 137	0.010	104	2	20
Surrogate											
460-00-4	4-Bromofluorobenzene	.01	103	.01	.01	104	75 - 120	.01	104		
1868-53-7	Dibromofluoromethane	.0089	89	.01	.00878	88	85 - 115	.00892	89		
2037-26-5	Toluene d8	.011	112	.01	.011	107	85 - 120	.011	108		
17060-07-0	1,2-Dichloroethane-d4	.00855	86	.01	.00875	88	70 - 120	.00893	89		

Analytical Batch 338042	**Client ID**	MB338042	LCS338042	LCSD338042	
Prep Batch N/A	**GCAL ID**	434610	434611	434612	
	Sample Type	Method Blank	LCS	LCSD	
	Analytical Date	12/01/2006 08:23	12/01/2006 07:16	12/01/2006 07:39	
	Matrix	Water	Water	Water	

8260B, Volatiles		**Units**	mg/L	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
75-27-4	Bromodichloromethane	0.0000200U	0.0000200	0.010	0.011	110	75 - 120	0.011	108	0	20
75-25-2	Bromoform	0.0000890U	0.0000890	0.010	0.010	103	70 - 130	0.00951	95	5	20
74-83-9	Bromomethane	0.0000530U	0.0000530	0.010	0.011	105	30 - 145	0.00894	89	21*	20
56-23-5	Carbon tetrachloride	0.0000310U	0.0000310	0.010	0.011	106	65 - 140	0.00952	95	14	20
75-00-3	Chloroethane	0.0000970U	0.0000970	0.010	0.010	103	60 - 135	0.00932	93	7	20

GC/MS Volatiles Quality Control Summary

Analytical Batch	338042	**Client ID**	MB338042		LCS338042			LCSD338042			
Prep Batch	N/A	**GCAL ID**	434610		434611			434612			
		Sample Type	Method Blank		LCS			LCSD			
		Analytical Date	12/01/2006 08:23		12/01/2006 07:16			12/01/2006 07:39			
		Matrix	Water		Water			Water			
8260B, Volatiles		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
67-66-3	Chloroform	0.0000470U	0.0000470	0.010	0.010	104	65 - 135	0.00998	100	0.2	20
74-87-3	Chloromethane	0.0000930U	0.0000930	0.010	0.00998	100	40 - 125	0.00935	94	7	20
124-48-1	Dibromochloromethane	0.0000220U	0.0000220	0.010	0.012	121	60 - 135	0.011	113	9	20
74-95-3	Dibromomethane	0.0000740U	0.0000740	0.010	0.010	103	76 - 125	0.00991	99	0.9	20
75-71-8	Dichlorodifluoromethane	0.0000340U	0.0000340	0.010	0.010	101	30 - 155	0.00884	88	12	20
75-34-3	1,1-Dichloroethane	0.0000650U	0.0000650	0.010	0.010	103	70 - 135	0.00974	97	3	20
107-06-2	1,2-Dichloroethane	0.0000280U	0.0000280	0.010	0.010	104	70 - 130	0.010	102	0	20
156-59-2	cis-1,2-Dichloroethene	0.0000510U	0.0000510	0.010	0.011	109	70 - 125	0.011	105	0	20
156-60-5	trans-1,2-Dichloroethene	0.0000370U	0.0000370	0.010	0.010	103	60 - 140	0.00994	99	0.6	20
75-09-2	Methylene chloride	0.0000780U	0.0000780	0.010	0.00917	92	55 - 140	0.00934	93	2	20
78-87-5	1,2-Dichloropropane	0.0000330U	0.0000330	0.010	0.011	107	75 - 125	0.011	105	0	20
10061-01-5	cis-1,3-Dichloropropene	0.0000400U	0.0000400	0.010	0.011	106	70 - 130	0.010	104	10	20
10061-02-6	trans-1,3-Dichloropropene	0.0000320U	0.0000320	0.010	0.010	102	55 - 140	0.010	102	0	20
127-18-4	Tetrachloroethene	0.0000720U	0.0000720	0.010	0.011	113	45 - 150	0.00978	98	12	20
630-20-6	1,1,1,2-Tetrachloroethane	0.0000510U	0.0000510	0.010	0.011	107	80 - 130	0.00989	99	11	20
79-34-5	1,1,2,2-Tetrachloroethane	0.0000490U	0.0000490	0.010	0.010	103	65 - 130	0.010	101	0	20
71-55-6	1,1,1-Trichloroethane	0.0000550U	0.0000550	0.010	0.010	101	65 - 130	0.00928	93	7	20
79-00-5	1,1,2-Trichloroethane	0.0000730U	0.0000730	0.010	0.010	104	75 - 125	0.010	101	0	20
75-69-4	Trichlorofluoromethane	0.0000270U	0.0000270	0.010	0.00994	99	60 - 145	0.00873	87	13	20
96-18-4	1,2,3-Trichloropropane	0.0000320U	0.0000320	0.010	0.010	102	75 - 125	0.011	105	10	20
75-01-4	Vinyl chloride	0.0000520U	0.0000520	0.010	0.011	110	50 - 145	0.010	104	10	20
108-86-1	Bromobenzene	0.0000200U	0.0000200	0.010	0.011	110	76 - 124	0.011	111	0	20
541-73-1	1,3-Dichlorobenzene	0.0000240U	0.0000240	0.010	0.011	106	75 - 125	0.010	102	10	20
106-46-7	1,4-Dichlorobenzene	0.0000550U	0.0000550	0.010	0.011	106	75 - 125	0.010	101	10	20
95-50-1	1,2-Dichlorobenzene	0.0000470U	0.0000470	0.010	0.011	110	70 - 120	0.011	107	0	20
75-35-4	1,1-Dichloroethene	0.0000220U	0.0000220	0.010	0.011	109	70 - 130	0.00965	97	13	20
79-01-6	Trichloroethene	0.0000240U	0.0000240	0.010	0.011	109	70 - 125	0.010	101	10	20
108-90-7	Chlorobenzene	0.0000430U	0.0000430	0.010	0.011	107	80 - 120	0.00985	99	11	20
Surrogate											
460-00-4	4-Bromofluorobenzene	10.4	104	10	10.2	102	75 - 120	10.1	101		
1868-53-7	Dibromofluoromethane	8.72	87	10	8.84	88	85 - 115	8.7	87		
2037-26-5	Toluene d8	11.1	111	10	10.7	107	85 - 120	10.4	104		
17060-07-0	1,2-Dichloroethane-d4	8.9	89	10	8.18	82	70 - 120	8.72	87		

Gulf Coast Labnet | 4569 | 206 | 12829 | 12-05-06

Chain of Custody Record

Lab Report No.:

Company: AEROSTAR

Address: 803 Gout. 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 of 2

FDEP Facility No.:

Project Name: Brookley Field OMS28

Location: Mobile, AL

Project No.:

Attn: Emicie Wien

Phone:

Fax:

Sampled by [Print Name]/Affiliation

Sampler Signature

Item No.	Field ID No.	Sampled Date	Sampled Time	Grab or Comp.	Matrix Codes	No. Cont.	8260 VOH	←Preservative	←Analysis	REQUESTED DUE DATE / Remarks	Lab. No.
							#				
	MW-9	11/22/06			GW	3	X			REPORT IN ppm	1
	MW-10					3	X				2
	MW-11					3	X				3
	MW-12					3	X				4
	MS MW-9					3	X				5
	MSD MW-9					3	X				6
	Dup					2	X				7
	trip					2	X				8
	rinsate					2	X				9

22 ←Total Number of Containers

Shipment Method

Out: / / Via:

Returned: / / Via:

Additional Comments

Item #	Relinquished by / Affiliation	Date	Time	Accepted by / Affiliation	Date	Time
	AES	11/22/06	1330	GCL	11-22-06	1330
	GCL	11-22-06	1800	FedEx	11-22-06	1800
	FedEx	11-28-06	0905	Received	11-28-06	0905

Cooler No.(s) / Temperature(s) (°C)	Sampling Kit No.	Equipment ID No.
3°	5917	

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)

Gulf Coast Labnet | 4569 | 206112829 | 12-05-06

Chain of Custody Record

Lab Report No.:

Company: AEROSTAR

Address: 803 GOVT. 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 2 of 2

FDEP Facility No.:

Project Name: BROOKLEY FIELD OMS 28

Location: MOBILE, AL

Project No.:

Attn: EMILIE WIEN

Phone:

Fax:

Sampled by [Print Name]/Affiliation

Sampler Signature

Item No.	Field ID No.	Sampled Date	Sampled Time	Grab or Comp.	Matrix Codes	No. Cont.	8260 VOH	←Preservative	←Analysis	REQUESTED DUE DATE	Remarks	Lab. No.
	Field Blank	11/22/06			GW	3	X				REPORT in ppm. TO	

Shipment Method

Out: / / Via:

Returned: / / Via:

Additional Comments

2 ←Total Number of Containers

Item #	Relinquished by / Affiliation	Date	Time	Accepted by / Affiliation	Date	Time
	AES	11/22/06	1330	GCL	11-22-06	1330
	GCL	11-22-06	1800	FedEx S.D.M.	11-22-06	1800
	FedEx S.D.M.	11-28-06	0905	R Mendell	11-28-06	0905

Cooler No.(s) / Temperature(s) (°C)	Sampling Kit No.	Equipment ID No.
3°	5917	

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)

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200701	HA-14 (0-12)	Solid	03/19/2007 08:45	03/20/2007 08:50
20703200702	HA-14 (8-10)	Solid	03/19/2007 08:55	03/20/2007 08:50
20703200703	HA-15 (0-12)	Solid	03/19/2007 09:30	03/20/2007 08:50
20703200704	HA-15 (8-10)	Solid	03/19/2007 09:45	03/20/2007 08:50
20703200705	B-17 (0-12)	Solid	03/19/2007 10:45	03/20/2007 08:50
20703200706	B-17 (8-10)	Solid	03/19/2007 10:55	03/20/2007 08:50

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200701	**HA-14 (0-12)**	Solid	03/19/2007 08:45	03/20/2007 08:50

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.036	0.032	0.000474	mg/kg
79-01-6	Trichloroethene	0.017	0.00634	0.000224	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200702	**HA-14 (8-10)**	Solid	03/19/2007 08:55	03/20/2007 08:50

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	0.028	0.00866	0.000540	mg/kg
67-64-1	Acetone	0.022J	0.043	0.000647	mg/kg
74-83-9	Bromomethane	0.012	0.00866	0.00261	mg/kg
79-01-6	Trichloroethene	0.00962	0.00866	0.000306	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.00678J	0.00866	0.000218	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200703	**HA-15 (0-12)**	Solid	03/19/2007 09:30	03/20/2007 08:50

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	0.586	0.380	0.013	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200704	**HA-15 (8-10)**	Solid	03/19/2007 09:45	03/20/2007 08:50

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	0.132J	0.474	0.017	mg/kg

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.011J	0.042	0.000635	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.036	0.00849	0.000214	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200705	**B-17 (0-12)**	Solid	03/19/2007 10:45	03/20/2007 08:50

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	Tetrachloroethene	0.933	0.368	0.014	mg/kg

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200706	**B-17 (8-10)**	Solid	03/19/2007 10:55	03/20/2007 08:50

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	**Tetrachloroethene**	**0.186**	**0.00891**	**0.000342**	**mg/kg**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200701	**HA-14 (0-12)**	Solid	03/19/2007 08:45	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/26/2007 22:02	DLB	345646

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000156U	0.00634	0.000156	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.000228U	0.00634	0.000228	mg/kg
79-00-5	1,1,2-Trichloroethane	0.000145U	0.00634	0.000145	mg/kg
75-34-3	1,1-Dichloroethane	0.000202U	0.00634	0.000202	mg/kg
75-35-4	1,1-Dichloroethene	0.000455U	0.00634	0.000455	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.000415U	0.00634	0.000415	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.00110U	0.00634	0.00110	mg/kg
106-93-4	1,2-Dibromoethane	0.000190U	0.00634	0.000190	mg/kg
95-50-1	1,2-Dichlorobenzene	0.000145U	0.00634	0.000145	mg/kg
107-06-2	1,2-Dichloroethane	0.000145U	0.00634	0.000145	mg/kg
78-87-5	1,2-Dichloropropane	0.000142U	0.00634	0.000142	mg/kg
541-73-1	1,3-Dichlorobenzene	0.000299U	0.00634	0.000299	mg/kg
106-46-7	1,4-Dichlorobenzene	0.000534U	0.00634	0.000534	mg/kg
78-93-3	2-Butanone	0.000396U	0.00634	0.000396	mg/kg
591-78-6	2-Hexanone	0.00105U	0.00634	0.00105	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000219U	0.00634	0.000219	mg/kg
67-64-1	**Acetone**	**0.036**	**0.032**	**0.000474**	**mg/kg**
71-43-2	Benzene	0.000132U	0.00634	0.000132	mg/kg
75-27-4	Bromodichloromethane	0.000171U	0.00634	0.000171	mg/kg
75-25-2	Bromoform	0.000214U	0.00634	0.000214	mg/kg
74-83-9	Bromomethane	0.00191U	0.00634	0.00191	mg/kg
75-15-0	Carbon disulfide	0.000138U	0.00634	0.000138	mg/kg
56-23-5	Carbon tetrachloride	0.000152U	0.00634	0.000152	mg/kg
108-90-7	Chlorobenzene	0.000209U	0.00634	0.000209	mg/kg
75-00-3	Chloroethane	0.000768U	0.00634	0.000768	mg/kg
67-66-3	Chloroform	0.000179U	0.00634	0.000179	mg/kg
74-87-3	Chloromethane	0.000588U	0.00634	0.000588	mg/kg
110-82-7	Cyclohexane	0.00140U	0.00634	0.00140	mg/kg
124-48-1	Dibromochloromethane	0.000114U	0.00634	0.000114	mg/kg
75-71-8	Dichlorodifluoromethane	0.000462U	0.00634	0.000462	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.000146U	0.00634	0.000146	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000179U	0.00634	0.000179	mg/kg
100-41-4	Ethylbenzene	0.000262U	0.00634	0.000262	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000194U	0.00634	0.000194	mg/kg
79-20-9	Methyl Acetate	0.00194U	0.00634	0.00194	mg/kg
108-87-2	Methylcyclohexane	0.000469U	0.00634	0.000469	mg/kg
75-09-2	Methylene chloride	0.000607U	0.013	0.000607	mg/kg
100-42-5	Styrene	0.000193U	0.00634	0.000193	mg/kg
127-18-4	Tetrachloroethene	0.000243U	0.00634	0.000243	mg/kg
108-88-3	Toluene	0.000697U	0.00634	0.000697	mg/kg
79-01-6	**Trichloroethene**	**0.017**	**0.00634**	**0.000224**	**mg/kg**
75-69-4	Trichlorofluoromethane	0.000320U	0.00634	0.000320	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000238U	0.00634	0.000238	mg/kg
75-01-4	Vinyl chloride	0.000445U	0.00634	0.000445	mg/kg
1330-20-7	Xylene (total)	0.000725U	0.013	0.000725	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000160U	0.00634	0.000160	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.0000938U	0.00634	0.0000938	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000208U	0.00634	0.000208	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200701	**HA-14 (0-12)**	Solid	03/19/2007 08:45	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/26/2007 22:02	DLB	345646

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.057	.063	mg/kg	110	84 - 118
1868-53-7	Dibromofluoromethane	.057	.064	mg/kg	111	65 - 135
2037-26-5	Toluene d8	.057	.072	mg/kg	**125***	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.057	.061	mg/kg	106	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200701	**HA-14 (0-12)**	Solid	03/19/2007 08:45	03/20/2007 08:50

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2007 11:45	RLY	345206

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**9.55**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200702	**HA-14 (8-10)**	Solid	03/19/2007 08:55	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/26/2007 22:27	DLB	345646

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**	**0.028**	**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
67-64-1	**Acetone**	**0.022J**	**0.043**	**0.000647**	**mg/kg**
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**	**0.012**	**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	0.00191U	0.00866	0.00191	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
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**	**0.00962**	**0.00866**	**0.000306**	**mg/kg**
75-69-4	Trichlorofluoromethane	0.000436U	0.00866	0.000436	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000325U	0.00866	0.000325	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**	**0.00678J**	**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

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200702	**HA-14 (8-10)**	Solid	03/19/2007 08:55	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/26/2007 22:27	DLB	345646

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.072	.089	mg/kg	**124***	84 - 118
1868-53-7	Dibromofluoromethane	.072	.086	mg/kg	119	65 - 135
2037-26-5	Toluene d8	.072	.091	mg/kg	**126***	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.072	.087	mg/kg	120	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200702	**HA-14 (8-10)**	Solid	03/19/2007 08:55	03/20/2007 08:50

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2007 11:45	RLY	345206

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**16.5**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200703	**HA-15 (0-12)**	Solid	03/19/2007 09:30	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	03/27/2007 14:54	DLB	345746

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.00936U	0.380	0.00936	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.014U	0.380	0.014	mg/kg
79-00-5	1,1,2-Trichloroethane	0.00867U	0.380	0.00867	mg/kg
75-34-3	1,1-Dichloroethane	0.012U	0.380	0.012	mg/kg
75-35-4	1,1-Dichloroethene	0.027U	0.380	0.027	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.025U	0.380	0.025	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.066U	0.380	0.066	mg/kg
106-93-4	1,2-Dibromoethane	0.011U	0.380	0.011	mg/kg
95-50-1	1,2-Dichlorobenzene	0.00867U	0.380	0.00867	mg/kg
107-06-2	1,2-Dichloroethane	0.00867U	0.380	0.00867	mg/kg
78-87-5	1,2-Dichloropropane	0.00852U	0.380	0.00852	mg/kg
541-73-1	1,3-Dichlorobenzene	0.018U	0.380	0.018	mg/kg
106-46-7	1,4-Dichlorobenzene	0.032U	0.380	0.032	mg/kg
78-93-3	2-Butanone	0.024U	0.380	0.024	mg/kg
591-78-6	2-Hexanone	0.063U	0.380	0.063	mg/kg
108-10-1	4-Methyl-2-pentanone	0.013U	0.380	0.013	mg/kg
67-64-1	Acetone	0.028U	1.90	0.028	mg/kg
71-43-2	Benzene	0.00791U	0.380	0.00791	mg/kg
75-27-4	Bromodichloromethane	0.010U	0.380	0.010	mg/kg
75-25-2	Bromoform	0.013U	0.380	0.013	mg/kg
74-83-9	Bromomethane	0.114U	0.380	0.114	mg/kg
75-15-0	Carbon disulfide	0.00829U	0.380	0.00829	mg/kg
56-23-5	Carbon tetrachloride	0.00913U	0.380	0.00913	mg/kg
108-90-7	Chlorobenzene	0.013U	0.380	0.013	mg/kg
75-00-3	Chloroethane	0.046U	0.380	0.046	mg/kg
67-66-3	Chloroform	0.011U	0.380	0.011	mg/kg
74-87-3	Chloromethane	0.035U	0.380	0.035	mg/kg
110-82-7	Cyclohexane	0.084U	0.380	0.084	mg/kg
124-48-1	Dibromochloromethane	0.00685U	0.380	0.00685	mg/kg
75-71-8	Dichlorodifluoromethane	0.028U	0.380	0.028	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.00875U	0.380	0.00875	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.011U	0.380	0.011	mg/kg
100-41-4	Ethylbenzene	0.016U	0.380	0.016	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.012U	0.380	0.012	mg/kg
79-20-9	Methyl Acetate	0.116U	0.380	0.116	mg/kg
108-87-2	Methylcyclohexane	0.028U	0.380	0.028	mg/kg
75-09-2	Methylene chloride	0.036U	0.761	0.036	mg/kg
100-42-5	Styrene	0.012U	0.380	0.012	mg/kg
127-18-4	Tetrachloroethene	0.015U	0.380	0.015	mg/kg
108-88-3	Toluene	0.042U	0.380	0.042	mg/kg
79-01-6	**Trichloroethene**	**0.586**	**0.380**	**0.013**	**mg/kg**
75-69-4	Trichlorofluoromethane	0.019U	0.380	0.019	mg/kg
76-13-1	Trichlorotrifluoroethane	0.014U	0.380	0.014	mg/kg
75-01-4	Vinyl chloride	0.027U	0.380	0.027	mg/kg
1330-20-7	Xylene (total)	0.044U	0.761	0.044	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.00958U	0.380	0.00958	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00563U	0.380	0.00563	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.012U	0.380	0.012	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200703	**HA-15 (0-12)**	Solid	03/19/2007 09:30	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	03/27/2007 14:54	DLB	345746

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	3.27	3.83	mg/kg	117	84 - 118
1868-53-7	Dibromofluoromethane	3.27	3.05	mg/kg	93	65 - 135
2037-26-5	Toluene d8	3.27	3.61	mg/kg	110	84 - 116
17060-07-0	1,2-Dichloroethane-d4	3.27	2.94	mg/kg	90	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200703	**HA-15 (0-12)**	Solid	03/19/2007 09:30	03/20/2007 08:50

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2007 11:45	RLY	345206

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**14.0**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200704	**HA-15 (8-10)**	Solid	03/19/2007 09:45	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/26/2007 23:15	DLB	345646

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000209U	0.00849	0.000209	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.000306U	0.00849	0.000306	mg/kg
79-00-5	1,1,2-Trichloroethane	0.000194U	0.00849	0.000194	mg/kg
75-34-3	1,1-Dichloroethane	0.000270U	0.00849	0.000270	mg/kg
75-35-4	1,1-Dichloroethene	0.000609U	0.00849	0.000609	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.000555U	0.00849	0.000555	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.00147U	0.00849	0.00147	mg/kg
106-93-4	1,2-Dibromoethane	0.000255U	0.00849	0.000255	mg/kg
95-50-1	1,2-Dichlorobenzene	0.000194U	0.00849	0.000194	mg/kg
107-06-2	1,2-Dichloroethane	0.000194U	0.00849	0.000194	mg/kg
78-87-5	1,2-Dichloropropane	0.000190U	0.00849	0.000190	mg/kg
541-73-1	1,3-Dichlorobenzene	0.000401U	0.00849	0.000401	mg/kg
106-46-7	1,4-Dichlorobenzene	0.000715U	0.00849	0.000715	mg/kg
78-93-3	2-Butanone	0.000530U	0.00849	0.000530	mg/kg
591-78-6	2-Hexanone	0.00140U	0.00849	0.00140	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000294U	0.00849	0.000294	mg/kg
67-64-1	**Acetone**	**0.011J**	**0.042**	**0.000635**	**mg/kg**
71-43-2	Benzene	0.000177U	0.00849	0.000177	mg/kg
75-27-4	Bromodichloromethane	0.000229U	0.00849	0.000229	mg/kg
75-25-2	Bromoform	0.000287U	0.00849	0.000287	mg/kg
74-83-9	Bromomethane	0.00256U	0.00849	0.00256	mg/kg
75-15-0	Carbon disulfide	0.000185U	0.00849	0.000185	mg/kg
56-23-5	Carbon tetrachloride	0.000204U	0.00849	0.000204	mg/kg
108-90-7	Chlorobenzene	0.000280U	0.00849	0.000280	mg/kg
75-00-3	Chloroethane	0.00103U	0.00849	0.00103	mg/kg
67-66-3	Chloroform	0.000239U	0.00849	0.000239	mg/kg
74-87-3	Chloromethane	0.000788U	0.00849	0.000788	mg/kg
110-82-7	Cyclohexane	0.00188U	0.00849	0.00188	mg/kg
124-48-1	Dibromochloromethane	0.000153U	0.00849	0.000153	mg/kg
75-71-8	Dichlorodifluoromethane	0.000618U	0.00849	0.000618	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.000195U	0.00849	0.000195	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000239U	0.00849	0.000239	mg/kg
100-41-4	Ethylbenzene	0.000351U	0.00849	0.000351	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000260U	0.00849	0.000260	mg/kg
79-20-9	Methyl Acetate	0.00260U	0.00849	0.00260	mg/kg
108-87-2	Methylcyclohexane	0.000628U	0.00849	0.000628	mg/kg
75-09-2	Methylene chloride	0.000813U	0.017	0.000813	mg/kg
100-42-5	Styrene	0.000258U	0.00849	0.000258	mg/kg
127-18-4	Tetrachloroethene	0.000326U	0.00849	0.000326	mg/kg
108-88-3	Toluene	0.000934U	0.00849	0.000934	mg/kg
75-69-4	Trichlorofluoromethane	0.000428U	0.00849	0.000428	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000319U	0.00849	0.000319	mg/kg
75-01-4	Vinyl chloride	0.000596U	0.00849	0.000596	mg/kg
1330-20-7	Xylene (total)	0.000971U	0.017	0.000971	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**0.036**	**0.00849**	**0.000214**	**mg/kg**
1634-04-4	tert-Butyl methyl ether (MTBE)	0.000126U	0.00849	0.000126	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000278U	0.00849	0.000278	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.067	.081	mg/kg	**120***	84 - 118

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200704	**HA-15 (8-10)**	Solid	03/19/2007 09:45	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/26/2007 23:15	DLB	345646

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
1868-53-7	Dibromofluoromethane	.067	.075	mg/kg	112	65 - 135
2037-26-5	Toluene d8	.067	.08	mg/kg	**119***	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.067	.08	mg/kg	118	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200704	**HA-15 (8-10)**	Solid	03/19/2007 09:45	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	03/27/2007 15:16	DLB	345746

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	**Trichloroethene**	**0.132J**	**0.474**	**0.017**	**mg/kg**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	3.77	4.36	mg/kg	116	84 - 118
1868-53-7	Dibromofluoromethane	3.77	3.56	mg/kg	95	65 - 135
2037-26-5	Toluene d8	3.77	4.12	mg/kg	109	84 - 116
17060-07-0	1,2-Dichloroethane-d4	3.77	3.43	mg/kg	91	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200704	**HA-15 (8-10)**	Solid	03/19/2007 09:45	03/20/2007 08:50

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2007 11:45	RLY	345206

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**20.6**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200705	**B-17 (0-12)**	Solid	03/19/2007 10:45	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	03/27/2007 15:38	DLB	345746

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.00905U	0.368	0.00905	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.013U	0.368	0.013	mg/kg
79-00-5	1,1,2-Trichloroethane	0.00839U	0.368	0.00839	mg/kg
75-34-3	1,1-Dichloroethane	0.012U	0.368	0.012	mg/kg
75-35-4	1,1-Dichloroethene	0.026U	0.368	0.026	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.024U	0.368	0.024	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.064U	0.368	0.064	mg/kg
106-93-4	1,2-Dibromoethane	0.011U	0.368	0.011	mg/kg
95-50-1	1,2-Dichlorobenzene	0.00839U	0.368	0.00839	mg/kg
107-06-2	1,2-Dichloroethane	0.00839U	0.368	0.00839	mg/kg
78-87-5	1,2-Dichloropropane	0.00824U	0.368	0.00824	mg/kg
541-73-1	1,3-Dichlorobenzene	0.017U	0.368	0.017	mg/kg
106-46-7	1,4-Dichlorobenzene	0.031U	0.368	0.031	mg/kg
78-93-3	2-Butanone	0.023U	0.368	0.023	mg/kg
591-78-6	2-Hexanone	0.061U	0.368	0.061	mg/kg
108-10-1	4-Methyl-2-pentanone	0.013U	0.368	0.013	mg/kg
67-64-1	Acetone	0.028U	1.84	0.028	mg/kg
71-43-2	Benzene	0.00765U	0.368	0.00765	mg/kg
75-27-4	Bromodichloromethane	0.00993U	0.368	0.00993	mg/kg
75-25-2	Bromoform	0.012U	0.368	0.012	mg/kg
74-83-9	Bromomethane	0.111U	0.368	0.111	mg/kg
75-15-0	Carbon disulfide	0.00802U	0.368	0.00802	mg/kg
56-23-5	Carbon tetrachloride	0.00883U	0.368	0.00883	mg/kg
108-90-7	Chlorobenzene	0.012U	0.368	0.012	mg/kg
75-00-3	Chloroethane	0.045U	0.368	0.045	mg/kg
67-66-3	Chloroform	0.010U	0.368	0.010	mg/kg
74-87-3	Chloromethane	0.034U	0.368	0.034	mg/kg
110-82-7	Cyclohexane	0.081U	0.368	0.081	mg/kg
124-48-1	Dibromochloromethane	0.00662U	0.368	0.00662	mg/kg
75-71-8	Dichlorodifluoromethane	0.027U	0.368	0.027	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.00846U	0.368	0.00846	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.010U	0.368	0.010	mg/kg
100-41-4	Ethylbenzene	0.015U	0.368	0.015	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.011U	0.368	0.011	mg/kg
79-20-9	Methyl Acetate	0.112U	0.368	0.112	mg/kg
108-87-2	Methylcyclohexane	0.027U	0.368	0.027	mg/kg
75-09-2	Methylene chloride	0.035U	0.736	0.035	mg/kg
100-42-5	Styrene	0.011U	0.368	0.011	mg/kg
127-18-4	**Tetrachloroethene**	**0.933**	**0.368**	**0.014**	**mg/kg**
108-88-3	Toluene	0.040U	0.368	0.040	mg/kg
79-01-6	Trichloroethene	0.013U	0.368	0.013	mg/kg
75-69-4	Trichlorofluoromethane	0.019U	0.368	0.019	mg/kg
76-13-1	Trichlorotrifluoroethane	0.014U	0.368	0.014	mg/kg
75-01-4	Vinyl chloride	0.026U	0.368	0.026	mg/kg
1330-20-7	Xylene (total)	0.042U	0.736	0.042	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.00927U	0.368	0.00927	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00544U	0.368	0.00544	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.012U	0.368	0.012	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200705	**B-17 (0-12)**	Solid	03/19/2007 10:45	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	03/27/2007 15:38	DLB	345746

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	3.03	3.59	mg/kg	**119***	84 - 118
1868-53-7	Dibromofluoromethane	3.03	2.83	mg/kg	94	65 - 135
2037-26-5	Toluene d8	3.03	3.3	mg/kg	109	84 - 116
17060-07-0	1,2-Dichloroethane-d4	3.03	2.78	mg/kg	92	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200705	**B-17 (0-12)**	Solid	03/19/2007 10:45	03/20/2007 08:50

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2007 11:45	RLY	345206

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**17.7**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200706	**B-17 (8-10)**	Solid	03/19/2007 10:55	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2007 00:03	DLB	345646

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000219U	0.00891	0.000219	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.000321U	0.00891	0.000321	mg/kg
79-00-5	1,1,2-Trichloroethane	0.000203U	0.00891	0.000203	mg/kg
75-34-3	1,1-Dichloroethane	0.000283U	0.00891	0.000283	mg/kg
75-35-4	1,1-Dichloroethene	0.000640U	0.00891	0.000640	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.000583U	0.00891	0.000583	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.00154U	0.00891	0.00154	mg/kg
106-93-4	1,2-Dibromoethane	0.000267U	0.00891	0.000267	mg/kg
95-50-1	1,2-Dichlorobenzene	0.000203U	0.00891	0.000203	mg/kg
107-06-2	1,2-Dichloroethane	0.000203U	0.00891	0.000203	mg/kg
78-87-5	1,2-Dichloropropane	0.000200U	0.00891	0.000200	mg/kg
541-73-1	1,3-Dichlorobenzene	0.000421U	0.00891	0.000421	mg/kg
106-46-7	1,4-Dichlorobenzene	0.000750U	0.00891	0.000750	mg/kg
78-93-3	2-Butanone	0.000556U	0.00891	0.000556	mg/kg
591-78-6	2-Hexanone	0.00147U	0.00891	0.00147	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000308U	0.00891	0.000308	mg/kg
67-64-1	Acetone	0.000667U	0.045	0.000667	mg/kg
71-43-2	Benzene	0.000185U	0.00891	0.000185	mg/kg
75-27-4	Bromodichloromethane	0.000241U	0.00891	0.000241	mg/kg
75-25-2	Bromoform	0.000301U	0.00891	0.000301	mg/kg
74-83-9	Bromomethane	0.00268U	0.00891	0.00268	mg/kg
75-15-0	Carbon disulfide	0.000194U	0.00891	0.000194	mg/kg
56-23-5	Carbon tetrachloride	0.000214U	0.00891	0.000214	mg/kg
108-90-7	Chlorobenzene	0.000294U	0.00891	0.000294	mg/kg
75-00-3	Chloroethane	0.00108U	0.00891	0.00108	mg/kg
67-66-3	Chloroform	0.000251U	0.00891	0.000251	mg/kg
74-87-3	Chloromethane	0.000827U	0.00891	0.000827	mg/kg
110-82-7	Cyclohexane	0.00197U	0.00891	0.00197	mg/kg
124-48-1	Dibromochloromethane	0.000160U	0.00891	0.000160	mg/kg
75-71-8	Dichlorodifluoromethane	0.000649U	0.00891	0.000649	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.000205U	0.00891	0.000205	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000251U	0.00891	0.000251	mg/kg
100-41-4	Ethylbenzene	0.000369U	0.00891	0.000369	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000273U	0.00891	0.000273	mg/kg
79-20-9	Methyl Acetate	0.00273U	0.00891	0.00273	mg/kg
108-87-2	Methylcyclohexane	0.000659U	0.00891	0.000659	mg/kg
75-09-2	Methylene chloride	0.000854U	0.018	0.000854	mg/kg
100-42-5	Styrene	0.000271U	0.00891	0.000271	mg/kg
127-18-4	**Tetrachloroethene**	**0.186**	**0.00891**	**0.000342**	**mg/kg**
108-88-3	Toluene	0.000980U	0.00891	0.000980	mg/kg
79-01-6	Trichloroethene	0.000315U	0.00891	0.000315	mg/kg
75-69-4	Trichlorofluoromethane	0.000449U	0.00891	0.000449	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000335U	0.00891	0.000335	mg/kg
75-01-4	Vinyl chloride	0.000626U	0.00891	0.000626	mg/kg
1330-20-7	Xylene (total)	0.00102U	0.018	0.00102	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000225U	0.00891	0.000225	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.000132U	0.00891	0.000132	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000292U	0.00891	0.000292	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200706	**B-17 (8-10)**	Solid	03/19/2007 10:55	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2007 00:03	DLB	345646

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.07	.081	mg/kg	116	84 - 118
1868-53-7	Dibromofluoromethane	.07	.085	mg/kg	121	65 - 135
2037-26-5	Toluene d8	.07	.085	mg/kg	**122***	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.07	.081	mg/kg	116	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200706	**B-17 (8-10)**	Solid	03/19/2007 10:55	03/20/2007 08:50

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2007 11:45	RLY	345206

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**21.9**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GC/MS Volatiles Quality Control Summary

Analytical Batch 345646	**Client ID**	MB345646	LCS345646	LCSD345646
Prep Batch N/A	**GCAL ID**	468684	468685	468686
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/26/2007 19:17	03/26/2007 18:06	03/26/2007 18:29
	Matrix	Solid	Solid	Solid

8260B, Volatiles		**Units**	mg/kg	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
67-64-1	Acetone	0.000374U	0.000374	0.025	0.025	101	40 - 141	0.028	114	11	30
75-27-4	Bromodichloromethane	0.000135U	0.000135	0.025	0.025	102	72 - 128	0.026	106	4	30
75-25-2	Bromoform	0.000169U	0.000169	0.025	0.025	100	66 - 137	0.027	106	8	30
74-83-9	Bromomethane	0.00151U	0.00151	0.025	0.026	102	45 - 141	0.025	99	4	30
75-15-0	Carbon disulfide	0.000109U	0.000109	0.025	0.020	80	69 - 135	0.020	80	0	30
56-23-5	Carbon tetrachloride	0.000120U	0.000120	0.025	0.017	68	67 - 133	0.020	81	16	30
75-00-3	Chloroethane	0.000606U	0.000606	0.025	0.021	84	41 - 141	0.019	74	10	30
67-66-3	Chloroform	0.000141U	0.000141	0.025	0.023	92	72 - 124	0.023	93	0	30
74-87-3	Chloromethane	0.000464U	0.000464	0.025	0.024	95	51 - 129	0.025	100	4	30
124-48-1	Dibromochloromethane	0.0000900U	0.0000900	0.025	0.025	99	66 - 130	0.026	106	4	30
75-71-8	Dichlorodifluoromethane	0.000364U	0.000364	0.025	0.017	66	34 - 136	0.020	81	16	30
75-34-3	1,1-Dichloroethane	0.000159U	0.000159	0.025	0.022	88	73 - 125	0.024	94	9	30
107-06-2	1,2-Dichloroethane	0.000114U	0.000114	0.025	0.028	112	72 - 137	0.027	108	4	30
156-59-2	cis-1,2-Dichloroethene	0.000126U	0.000126	0.025	0.023	94	67 - 125	0.025	100	8	30
156-60-5	trans-1,2-Dichloroethene	0.000164U	0.000164	0.025	0.020	81	66 - 134	0.022	89	10	30
75-09-2	Methylene chloride	0.000479U	0.000479	0.025	0.019	76	63 - 137	0.020	82	5	30
78-87-5	1,2-Dichloropropane	0.000112U	0.000112	0.025	0.023	90	71 - 120	0.024	95	4	30
10061-01-5	cis-1,3-Dichloropropene	0.000115U	0.000115	0.025	0.024	95	72 - 126	0.025	99	4	30
10061-02-6	trans-1,3-Dichloropropene	0.000141U	0.000141	0.025	0.024	95	65 - 127	0.026	102	8	30
100-41-4	Ethylbenzene	0.000207U	0.000207	0.025	0.022	86	74 - 127	0.022	88	0	30
591-78-6	2-Hexanone	0.000826U	0.000826	0.025	0.024	98	56 - 153	0.024	97	0	30
98-82-8	Isopropylbenzene (Cumene)	0.000153U	0.000153	0.025	0.021	84	77 - 129	0.022	90	5	30
78-93-3	2-Butanone	0.000312U	0.000312	0.025	0.025	101	40 - 135	0.023	92	8	30
108-10-1	4-Methyl-2-pentanone	0.000173U	0.000173	0.025	0.024	94	47 - 147	0.024	94	0	30
100-42-5	Styrene	0.000152U	0.000152	0.025	0.024	98	74 - 128	0.027	110	12	30
127-18-4	Tetrachloroethene	0.000192U	0.000192	0.025	0.020	81	67 - 139	0.021	84	5	30
79-34-5	1,1,2,2-Tetrachloroethane	0.000180U	0.000180	0.025	0.026	104	59 - 140	0.027	108	4	30
120-82-1	1,2,4-Trichlorobenzene	0.000327U	0.000327	0.025	0.026	105	65 - 131	0.025	101	4	30
71-55-6	1,1,1-Trichloroethane	0.000123U	0.000123	0.025	0.019	74	68 - 130	0.019	78	0	30
79-00-5	1,1,2-Trichloroethane	0.000114U	0.000114	0.025	0.024	97	62 - 127	0.026	104	8	30
75-69-4	Trichlorofluoromethane	0.000252U	0.000252	0.025	0.019	77	49 - 139	0.019	78	0	30
75-01-4	Vinyl chloride	0.000351U	0.000351	0.025	0.020	78	58 - 126	0.020	80	0	30
96-12-8	1,2-Dibromo-3-chloropropane	0.000866U	0.000866	0.025	0.025	98	49 - 135	0.026	104	4	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	345646	**Client ID**	MB345646			LCS345646				LCSD345646		
Prep Batch	N/A	**GCAL ID**	468684			468685				468686		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	03/26/2007 19:17			03/26/2007 18:06				03/26/2007 18:29		
		Matrix	Solid			Solid				Solid		
8260B, Volatiles		**Units**	mg/kg									
		Result	**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	0.026	102	70 - 124		0.028	112	7	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.0000740U	0.0000740	0.025	0.026	104	50 - 135		0.025	102	4	30
1330-20-7	Xylene (total)	0.000572U	0.000572	0.075	0.066	87	80 - 120		0.070	94	6	30
108-87-2	Methylcyclohexane	0.000370U	0.000370	0.025	0.018	**73***	79 - 122		0.020	81	11	30
110-82-7	Cyclohexane	0.00111U	0.00111	0.025	0.017	67	61 - 143		0.019	78	11	30
79-20-9	Methyl Acetate	0.00153U	0.00153	0.025	0.00	**0***	41 - 164		0.00	**0***	0	30
76-13-1	Trichlorotrifluoroethane	0.000188U	0.000188	0.025	0.019	74	71 - 137		0.017	**69***	11	30
541-73-1	1,3-Dichlorobenzene	0.000236U	0.000236	0.025	0.026	105	72 - 124		0.026	103	0	30
106-46-7	1,4-Dichlorobenzene	0.000421U	0.000421	0.025	0.026	102	72 - 125		0.026	102	0	30
95-50-1	1,2-Dichlorobenzene	0.000114U	0.000114	0.025	0.025	99	74 - 120		0.026	104	4	30
75-35-4	1,1-Dichloroethene	0.000359U	0.000359	0.025	0.020	78	65 - 136		0.021	83	5	30
71-43-2	Benzene	0.000104U	0.000104	0.025	0.021	84	73 - 126		0.022	89	5	30
79-01-6	Trichloroethene	0.000177U	0.000177	0.025	0.024	96	77 - 124		0.022	87	9	30
108-88-3	Toluene	0.000550U	0.000550	0.025	0.022	86	71 - 127		0.024	96	9	30
108-90-7	Chlorobenzene	0.000165U	0.000165	0.025	0.023	92	75 - 123		0.024	98	4	30
Surrogate												
460-00-4	4-Bromofluorobenzene	59.4	**119***	50	57.6	115	84 - 118		59.7	**119***		
1868-53-7	Dibromofluoromethane	56.7	113	50	54.3	109	65 - 135		51.2	102		
2037-26-5	Toluene d8	62.4	**125***	50	57.2	114	84 - 116		59.2	**118***		
17060-07-0	1,2-Dichloroethane-d4	55.8	112	50	50.7	101	52 - 149		51.7	103		

Analytical Batch	345746	**Client ID**	MB345746		LCS345746			
Prep Batch	N/A	**GCAL ID**	469149		469150			
		Sample Type	Method Blank		LCS			
		Analytical Date	03/27/2007 10:40		03/27/2007 09:55			
		Matrix	Solid		Solid			
8260B, Volatiles		**Units**	mg/kg					
		Result	**RDL**	**Spike Added**	**Result**	**% R**	**Control Limits % R**	
67-64-1	Acetone	0.019U	0.019	1.25	1.07	86	40 - 141	
75-27-4	Bromodichloromethane	0.00675U	0.00675	1.25	1.16	93	72 - 128	
75-25-2	Bromoform	0.00845U	0.00845	1.25	1.31	105	66 - 137	
74-83-9	Bromomethane	0.075U	0.075	1.25	1.03	82	45 - 141	

GC/MS Volatiles Quality Control Summary

Analytical Batch 345746	**Client ID**	MB345746	LCS345746
Prep Batch N/A	**GCAL ID**	469149	469150
	Sample Type	Method Blank	LCS
	Analytical Date	03/27/2007 10:40	03/27/2007 09:55
	Matrix	Solid	Solid

8260B, Volatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
75-15-0	Carbon disulfide	0.00545U	0.00545	1.25	1.25	100	69 - 135
56-23-5	Carbon tetrachloride	0.00600U	0.00600	1.25	1.14	91	67 - 133
75-00-3	Chloroethane	0.030U	0.030	1.25	1.18	94	41 - 141
67-66-3	Chloroform	0.00705U	0.00705	1.25	1.10	88	72 - 124
74-87-3	Chloromethane	0.023U	0.023	1.25	1.05	84	51 - 129
124-48-1	Dibromochloromethane	0.00450U	0.00450	1.25	1.27	102	66 - 130
75-71-8	Dichlorodifluoromethane	0.018U	0.018	1.25	1.05	84	34 - 136
75-34-3	1,1-Dichloroethane	0.00795U	0.00795	1.25	1.13	90	73 - 125
107-06-2	1,2-Dichloroethane	0.00570U	0.00570	1.25	1.10	88	72 - 137
156-59-2	cis-1,2-Dichloroethene	0.00630U	0.00630	1.25	1.11	89	67 - 125
156-60-5	trans-1,2-Dichloroethene	0.00820U	0.00820	1.25	1.21	97	66 - 134
75-09-2	Methylene chloride	0.024U	0.024	1.25	1.18	94	63 - 137
78-87-5	1,2-Dichloropropane	0.00560U	0.00560	1.25	1.15	92	71 - 120
10061-01-5	cis-1,3-Dichloropropene	0.00575U	0.00575	1.25	1.16	93	72 - 126
10061-02-6	trans-1,3-Dichloropropene	0.00705U	0.00705	1.25	1.16	93	65 - 127
100-41-4	Ethylbenzene	0.010U	0.010	1.25	1.34	107	74 - 127
591-78-6	2-Hexanone	0.041U	0.041	1.25	1.10	88	56 - 153
98-82-8	Isopropylbenzene (Cumene)	0.00765U	0.00765	1.25	1.31	105	77 - 129
78-93-3	2-Butanone	0.016U	0.016	1.25	0.997	80	40 - 135
108-10-1	4-Methyl-2-pentanone	0.00865U	0.00865	1.25	1.11	89	47 - 147
100-42-5	Styrene	0.00760U	0.00760	1.25	1.32	106	74 - 128
127-18-4	Tetrachloroethene	0.00960U	0.00960	1.25	1.21	97	67 - 139
79-34-5	1,1,2,2-Tetrachloroethane	0.00900U	0.00900	1.25	1.45	116	59 - 140
120-82-1	1,2,4-Trichlorobenzene	0.069J	0.016	1.25	1.43	114	65 - 131
71-55-6	1,1,1-Trichloroethane	0.00615U	0.00615	1.25	1.09	87	68 - 130
79-00-5	1,1,2-Trichloroethane	0.00570U	0.00570	1.25	1.31	105	62 - 127
75-69-4	Trichlorofluoromethane	0.013U	0.013	1.25	1.24	99	49 - 139
75-01-4	Vinyl chloride	0.018U	0.018	1.25	1.20	96	58 - 126
96-12-8	1,2-Dibromo-3-chloropropane	0.043U	0.043	1.25	1.44	115	49 - 135
106-93-4	1,2-Dibromoethane	0.00750U	0.00750	1.25	1.34	107	70 - 124
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00370U	0.00370	1.25	1.12	90	50 - 135
1330-20-7	Xylene (total)	0.029U	0.029	3.75	3.82	102	80 - 120
108-87-2	Methylcyclohexane	0.019U	0.019	1.25	1.18	94	79 - 122

GC/MS Volatiles Quality Control Summary

Analytical Batch 345746	**Client ID**	MB345746		LCS345746
Prep Batch N/A	**GCAL ID**	469149		469150
	Sample Type	Method Blank		LCS
	Analytical Date	03/27/2007 10:40		03/27/2007 09:55
	Matrix	Solid		Solid

8260B, Volatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
110-82-7	Cyclohexane	0.055U	0.055	1.25	1.17	94	61 - 143
79-20-9	Methyl Acetate	0.076U	0.076	1.25	0.990	79	41 - 164
76-13-1	Trichlorotrifluoroethane	0.00940U	0.00940	1.25	1.21	97	71 - 137
541-73-1	1,3-Dichlorobenzene	0.012U	0.012	1.25	1.43	114	72 - 124
106-46-7	1,4-Dichlorobenzene	0.021U	0.021	1.25	1.43	114	72 - 125
95-50-1	1,2-Dichlorobenzene	0.00570U	0.00570	1.25	1.45	116	74 - 120
75-35-4	1,1-Dichloroethene	0.018U	0.018	1.25	1.26	101	65 - 136
71-43-2	Benzene	0.00520U	0.00520	1.25	1.15	92	73 - 126
79-01-6	Trichloroethene	0.00885U	0.00885	1.25	1.15	92	77 - 124
108-88-3	Toluene	0.028U	0.028	1.25	1.26	101	71 - 127
108-90-7	Chlorobenzene	0.00825U	0.00825	1.25	1.32	106	75 - 123
Surrogate							
460-00-4	4-Bromofluorobenzene	2840	114	2500	2840	114	84 - 118
1868-53-7	Dibromofluoromethane	2340	94	2500	2390	96	65 - 135
2037-26-5	Toluene d8	2770	111	2500	2750	110	84 - 116
17060-07-0	1,2-Dichloroethane-d4	2240	90	2500	2270	91	52 - 149

Analytical Batch 345746	**Client ID**	HA-15 (0-12)	466526MS	466526MSD
Prep Batch N/A	**GCAL ID**	20703200703	469151	469152
	Sample Type	SAMPLE	MS	MSD
	Analytical Date	03/27/2007 14:54	03/27/2007 16:01	03/27/2007 16:23
	Matrix	Solid	Solid	Solid

8260B, Volatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
67-64-1	Acetone	0.00	0.024	1.64	1.63	100	40 - 141	1.67	102	2	30
75-27-4	Bromodichloromethane	0.00	0.00884	1.64	1.49	91	72 - 128	1.44	88	3	30
75-25-2	Bromoform	0.00	0.011	1.64	1.68	103	66 - 137	1.69	103	0.6	30
74-83-9	Bromomethane	0.00	0.098	1.64	0.791	48	45 - 141	0.849	52	7	30
75-15-0	Carbon disulfide	0.00	0.00713	1.64	0.911	**56***	69 - 135	0.843	**52***	8	30
56-23-5	Carbon tetrachloride	0.00	0.00785	1.64	1.39	85	67 - 133	1.29	79	7	30
75-00-3	Chloroethane	0.00	0.040	1.64	0.00	**0***	41 - 141	0.00	**0***	0	30
67-66-3	Chloroform	0.00	0.00923	1.64	1.41	86	72 - 124	1.32	81	7	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 345746	**Client ID**	HA-15 (0-12)	466526MS	466526MSD
Prep Batch N/A	**GCAL ID**	20703200703	469151	469152
	Sample Type	SAMPLE	MS	MSD
	Analytical Date	03/27/2007 14:54	03/27/2007 16:01	03/27/2007 16:23
	Matrix	Solid	Solid	Solid

8260B, Volatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
74-87-3	Chloromethane	0.00	0.030	1.64	1.30	79	51 - 129	1.26	77	3	30
124-48-1	Dibromochloromethane	0.00	0.00589	1.64	1.58	97	66 - 130	1.59	97	0.6	30
75-71-8	Dichlorodifluoromethane	0.00	0.024	1.64	1.24	76	34 - 136	1.14	70	8	30
75-34-3	1,1-Dichloroethane	0.00	0.010	1.64	1.36	83	73 - 125	1.28	78	6	30
107-06-2	1,2-Dichloroethane	0.00	0.00746	1.64	1.46	89	72 - 137	1.39	85	5	30
156-59-2	cis-1,2-Dichloroethene	0.00	0.00825	1.64	1.40	86	67 - 125	1.32	81	6	30
156-60-5	trans-1,2-Dichloroethene	0.00	0.011	1.64	1.40	86	66 - 134	1.32	81	6	30
75-09-2	Methylene chloride	0.00	0.031	1.64	1.36	83	63 - 137	1.34	82	1	30
78-87-5	1,2-Dichloropropane	0.00	0.00733	1.64	1.48	90	71 - 120	1.43	87	3	30
10061-01-5	cis-1,3-Dichloropropene	0.00	0.00753	1.64	1.54	94	72 - 126	1.43	87	7	30
10061-02-6	trans-1,3-Dichloropropene	0.00	0.00923	1.64	1.51	92	65 - 127	1.45	89	4	30
100-41-4	Ethylbenzene	0.00	0.014	1.64	1.71	105	74 - 127	1.63	100	5	30
591-78-6	2-Hexanone	0.00	0.054	1.64	1.48	90	56 - 153	1.53	94	3	30
98-82-8	Isopropylbenzene (Cumene)	0.00	0.010	1.64	1.71	105	77 - 129	1.63	100	5	30
78-93-3	2-Butanone	0.00	0.020	1.64	1.45	89	40 - 135	1.42	87	2	30
108-10-1	4-Methyl-2-pentanone	0.00	0.011	1.64	1.45	89	47 - 147	1.43	87	1	30
100-42-5	Styrene	0.00	0.00995	1.64	1.71	105	74 - 128	1.68	103	2	30
127-18-4	Tetrachloroethene	0.00	0.013	1.64	1.54	94	67 - 139	1.47	90	5	30
79-34-5	1,1,2,2-Tetrachloroethane	0.00	0.012	1.64	1.69	103	59 - 140	1.70	104	0.6	30
120-82-1	1,2,4-Trichlorobenzene	0.00	0.021	1.64	1.66	101	65 - 131	1.68	103	1	30
71-55-6	1,1,1-Trichloroethane	0.00	0.00805	1.64	1.38	84	68 - 130	1.29	79	7	30
79-00-5	1,1,2-Trichloroethane	0.00	0.00746	1.64	1.65	101	62 - 127	1.68	103	2	30
75-69-4	Trichlorofluoromethane	0.00	0.016	1.64	0.328	**20***	49 - 139	0.294	**18***	11	30
75-01-4	Vinyl chloride	0.00	0.023	1.64	1.36	83	58 - 126	1.30	79	5	30
96-12-8	1,2-Dibromo-3-chloropropane	0.00	0.057	1.64	1.81	111	49 - 135	1.84	112	2	30
106-93-4	1,2-Dibromoethane	0.00	0.00982	1.64	1.64	100	70 - 124	1.71	105	4	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00	0.00484	1.64	1.40	86	50 - 135	1.34	82	4	30
1330-20-7	Xylene (total)	0.00	0.037	4.91	4.82	98	80 - 120	4.69	96	3	30
108-87-2	Methylcyclohexane	0.00	0.024	1.64	1.53	94	79 - 122	1.38	84	10	30
110-82-7	Cyclohexane	0.00	0.072	1.64	1.47	90	61 - 143	1.34	82	9	30
79-20-9	Methyl Acetate	0.00	0.100	1.64	2.54	155	41 - 164	2.42	148	5	30
76-13-1	Trichlorotrifluoroethane	0.00	0.012	1.64	0.977	**60***	71 - 137	0.926	**57***	5	30
541-73-1	1,3-Dichlorobenzene	0.00	0.015	1.64	1.68	103	72 - 124	1.67	102	0.6	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 345746	**Client ID**	HA-15 (0-12)	466526MS	466526MSD	
Prep Batch N/A	**GCAL ID**	20703200703	469151	469152	
	Sample Type	SAMPLE	MS	MSD	
	Analytical Date	03/27/2007 14:54	03/27/2007 16:01	03/27/2007 16:23	
	Matrix	Solid	Solid	Solid	

8260B, Volatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
106-46-7	1,4-Dichlorobenzene	0.00	0.028	1.64	1.67	102	72 - 125	1.64	100	2	30
95-50-1	1,2-Dichlorobenzene	0.00	0.00746	1.64	1.73	106	74 - 120	1.72	105	0.6	30
75-35-4	1,1-Dichloroethene	0.00	0.023	1.64	0.918	**56***	65 - 136	0.800	**49***	14	30
71-43-2	Benzene	0.00	0.00681	1.64	1.44	88	73 - 126	1.34	82	7	30
79-01-6	Trichloroethene	0.504	0.012	1.64	1.87	83	77 - 124	1.77	77	5	30
108-88-3	Toluene	0.00	0.036	1.64	1.62	99	71 - 127	1.53	94	6	30
108-90-7	Chlorobenzene	0.00	0.011	1.64	1.67	102	75 - 123	1.62	99	3	30
Surrogate											
460-00-4	4-Bromofluorobenzene	3.83	117	3270	3900	**119***	84 - 118	3970	**121***		
1868-53-7	Dibromofluoromethane	3.05	93	3270	3160	97	65 - 135	3040	93		
2037-26-5	Toluene d8	3.61	110	3270	3530	108	84 - 116	3610	110		
17060-07-0	1,2-Dichloroethane-d4	2.94	90	3270	3130	96	52 - 149	2980	91		

Labnet/4569/207032007/3-22-07

Chain of Custody Record

Lab Report No.:

Company: AEROSTAR

Address: 4640 S. CARROLLTAN AVE. NEW ORLEANS, LA 70119

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 of 1

FDEP Facility No.:

Project Name: BROOKLEY FIELD OMS28

Location: MOBILE, AL

Project No.: 0405-517-07

Attn: EMILIE WIEN

Phone:

Fax:

Sampled by [Print Name]/Affiliation: Emilie Wien

Sampler Signature:

Item No.	Field ID No.	Sampled Date	Sampled Time	Grab or Comp.	Matrix Codes	No. Cont.	O/H Full 8260	←Preservative	←Analysis	REQUESTED DUE DATE	Remarks	Lab. No.
	HA-14 (0-12")	3/19/07	845	G	SO	4	X				REPORT IN ppm	1
	HA14 (8-10')		855			4	X				*~~REPORT ON WET WEIGHT BASIS.~~	2
	HA-15 (0-12")		930			4	X					3
	HA-15 (8-10')		945			4	X				Report on Dry Wt. Basis EPM 03121107	4
	B-17 (0-12")		1045			4	X					5
	B-17 (8-10')		1055			4	X					6

24 ←Total Number of Containers

Shipment Method

Out: / / Via:

Returned: / / Via:

Additional Comments

Item #	Relinquished by / Affiliation	Date	Time	Accepted by / Affiliation	Date	Time
	GCL	3/19/07	1720	GCL	3-19-07	1720
	FedEx	3-19-07	1800	FedEx	3-19-07	1800
	FedEx	3-20-07	850		3-20-07	850

Cooler No.(s) / Temperature(s) (°C)	Sampling Kit No.	Equipment ID No.
3	6283	

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) $CH_3OH + NaHSO_4$

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 04/25/2006

GCAL Report 206042014

Deliver To	Aerostar 803 Government St Suite A Mobile, AL 36602
Attn	Emilie Wien

Customer Aerostar

Project Brookley Field

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

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

Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
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 206042014

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201401	HA-1 (0-12)	Solid	04/19/2006 09:43	04/20/2006 09:35
20604201402	HA-1 (6-8)	Solid	04/19/2006 10:00	04/20/2006 09:35
20604201403	HA-2 (0-12)	Solid	04/19/2006 10:15	04/20/2006 09:35
20604201404	HA-2 (8-10)	Solid	04/19/2006 10:30	04/20/2006 09:35
20604201405	HA-3 (0-12)	Solid	04/19/2006 10:40	04/20/2006 09:35
20604201406	HA-3 (8-10)	Solid	04/19/2006 10:45	04/20/2006 09:35
20604201407	HA-4 (0-12)	Solid	04/19/2006 10:55	04/20/2006 09:35
20604201408	HA-4 (7-9)	Solid	04/19/2006 11:00	04/20/2006 09:35
20604201409	HA-5 (0-12)	Solid	04/19/2006 11:10	04/20/2006 09:35
20604201410	HA-5 (7-9)	Solid	04/19/2006 11:20	04/20/2006 09:35
20604201411	HA-6 (0-12)	Solid	04/19/2006 11:30	04/20/2006 09:35
20604201412	HA-6 (8-10)	Solid	04/19/2006 11:35	04/20/2006 09:35
20604201413	HA-7 (0-12)	Solid	04/19/2006 11:43	04/20/2006 09:35
20604201414	HA-7 (8-10)	Solid	04/19/2006 11:55	04/20/2006 09:35
20604201415	HA-8 (0-12)	Solid	04/19/2006 12:00	04/20/2006 09:35
20604201416	HA-8 (8-10)	Solid	04/19/2006 12:10	04/20/2006 09:35
20604201417	HA-9 (0-12)	Solid	04/19/2006 12:20	04/20/2006 09:35
20604201418	HA-9 (8-10)	Solid	04/19/2006 12:25	04/20/2006 09:35
20604201419	HA-10 (0-12)	Solid	04/19/2006 12:30	04/20/2006 09:35
20604201420	HA-10 (8-10)	Solid	04/19/2006 12:45	04/20/2006 09:35
20604201421	DUP	Solid	04/19/2006 00:00	04/20/2006 09:35
20604201422	MS HA-2 (0-12)	Solid	04/19/2006 00:00	04/20/2006 09:35
20604201423	MSD HA-2 (0-12)	Solid	04/19/2006 00:00	04/20/2006 09:35

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201401	HA-1 (0-12)	Solid	04/19/2006 09:43	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/22/2006 17:59	AJV	321033

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000122U	0.00495	0.000122	mg/kg
79-00-5	1,1,2-Trichloroethane	0.000113U	0.00495	0.000113	mg/kg
75-34-3	1,1-Dichloroethane	0.000158U	0.00495	0.000158	mg/kg
75-35-4	1,1-Dichloroethene	0.000356U	0.00495	0.000356	mg/kg
106-93-4	1,2-Dibromoethane	0.000149U	0.00495	0.000149	mg/kg
107-06-2	1,2-Dichloroethane	0.000113U	0.00495	0.000113	mg/kg
78-87-5	1,2-Dichloropropane	0.000111U	0.00495	0.000111	mg/kg
78-93-3	**2-Butanone**	**0.00638**	**0.00495**	**0.000309**	**mg/kg**
591-78-6	2-Hexanone	0.000818U	0.00495	0.000818	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000171U	0.00495	0.000171	mg/kg
67-64-1	**Acetone**	**0.151**	**0.025**	**0.000371**	**mg/kg**
71-43-2	**Benzene**	**0.00147J**	**0.00495**	**0.000103**	**mg/kg**
75-27-4	Bromodichloromethane	0.000134U	0.00495	0.000134	mg/kg
75-25-2	Bromoform	0.000167U	0.00495	0.000167	mg/kg
74-83-9	Bromomethane	0.00149U	0.00495	0.00149	mg/kg
75-15-0	Carbon disulfide	0.000108U	0.00495	0.000108	mg/kg
56-23-5	Carbon tetrachloride	0.000119U	0.00495	0.000119	mg/kg
108-90-7	Chlorobenzene	0.000163U	0.00495	0.000163	mg/kg
75-00-3	Chloroethane	0.000600U	0.00495	0.000600	mg/kg
67-66-3	Chloroform	0.000140U	0.00495	0.000140	mg/kg
74-87-3	Chloromethane	0.000460U	0.00495	0.000460	mg/kg
110-82-7	Cyclohexane	0.00110U	0.00495	0.00110	mg/kg
124-48-1	Dibromochloromethane	0.0000892U	0.00495	0.0000892	mg/kg
75-71-8	Dichlorodifluoromethane	0.000361U	0.00495	0.000361	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.000114U	0.00495	0.000114	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000140U	0.00495	0.000140	mg/kg
100-41-4	Ethylbenzene	0.000205U	0.00495	0.000205	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000152U	0.00495	0.000152	mg/kg
79-20-9	Methyl Acetate	0.00152U	0.00495	0.00152	mg/kg
108-87-2	Methylcyclohexane	0.000367U	0.00495	0.000367	mg/kg
75-09-2	Methylene chloride	0.000475U	0.00991	0.000475	mg/kg
100-42-5	Styrene	0.000151U	0.00495	0.000151	mg/kg
127-18-4	**Tetrachloroethene**	**0.00121J**	**0.00495**	**0.000190**	**mg/kg**
108-88-3	**Toluene**	**0.00207J**	**0.00495**	**0.000545**	**mg/kg**
79-01-6	**Trichloroethene**	**0.00311J**	**0.00495**	**0.000175**	**mg/kg**
75-69-4	Trichlorofluoromethane	0.000250U	0.00495	0.000250	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000186U	0.00495	0.000186	mg/kg
75-01-4	Vinyl chloride	0.000348U	0.00495	0.000348	mg/kg
1330-20-7	Xylene (total)	0.000567U	0.00991	0.000567	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000125U	0.00495	0.000125	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.0000733U	0.00495	0.0000733	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000162U	0.00495	0.000162	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201401	HA-1 (0-12)	Solid	04/19/2006 09:43	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/22/2006 17:59	AJV	321033

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.048	.038	mg/kg	78*	84 - 118
1868-53-7	Dibromofluoromethane	.048	.053	mg/kg	110	65 - 135
2037-26-5	Toluene d8	.048	.054	mg/kg	111	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.048	.048	mg/kg	99	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201401	HA-1 (0-12)	Solid	04/19/2006 09:43	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	04/23/2006 10:52	VWM	321050

CAS#	Parameter	Result	RDL	MDL	Units
79-34-5	1,1,2,2-Tetrachloroethane	0.020U	0.557	0.020	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.036U	0.557	0.036	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.096U	0.557	0.096	mg/kg
95-50-1	1,2-Dichlorobenzene	0.013U	0.557	0.013	mg/kg
541-73-1	1,3-Dichlorobenzene	0.026U	0.557	0.026	mg/kg
106-46-7	1,4-Dichlorobenzene	0.047U	0.557	0.047	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	5.43	5.52	mg/kg	102	84 - 118
1868-53-7	Dibromofluoromethane	5.43	5.03	mg/kg	93	65 - 135
2037-26-5	Toluene d8	5.43	5.71	mg/kg	105	84 - 116
17060-07-0	1,2-Dichloroethane-d4	5.43	4.7	mg/kg	86	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201402	HA-1 (6-8)	Solid	04/19/2006 10:00	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/22/2006 18:20	AJV	321033

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.0000973U	0.00396	0.0000973	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.000142U	0.00396	0.000142	mg/kg
79-00-5	1,1,2-Trichloroethane	0.0000902U	0.00396	0.0000902	mg/kg
75-34-3	1,1-Dichloroethane	0.000126U	0.00396	0.000126	mg/kg
75-35-4	1,1-Dichloroethene	0.000284U	0.00396	0.000284	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.000259U	0.00396	0.000259	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.000685U	0.00396	0.000685	mg/kg
106-93-4	1,2-Dibromoethane	0.000119U	0.00396	0.000119	mg/kg
95-50-1	1,2-Dichlorobenzene	0.0000902U	0.00396	0.0000902	mg/kg
107-06-2	1,2-Dichloroethane	0.0000902U	0.00396	0.0000902	mg/kg
78-87-5	1,2-Dichloropropane	0.0000886U	0.00396	0.0000886	mg/kg
541-73-1	1,3-Dichlorobenzene	0.000187U	0.00396	0.000187	mg/kg
106-46-7	1,4-Dichlorobenzene	0.000333U	0.00396	0.000333	mg/kg
78-93-3	2-Butanone	0.000247U	0.00396	0.000247	mg/kg
591-78-6	2-Hexanone	0.000654U	0.00396	0.000654	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000137U	0.00396	0.000137	mg/kg
67-64-1	**Acetone**	**0.00563J**	**0.020**	**0.000296**	**mg/kg**
71-43-2	Benzene	0.0000823U	0.00396	0.0000823	mg/kg
75-27-4	Bromodichloromethane	0.000107U	0.00396	0.000107	mg/kg
75-25-2	Bromoform	0.000134U	0.00396	0.000134	mg/kg
74-83-9	Bromomethane	0.00119U	0.00396	0.00119	mg/kg
75-15-0	Carbon disulfide	0.0000863U	0.00396	0.0000863	mg/kg
56-23-5	Carbon tetrachloride	0.0000950U	0.00396	0.0000950	mg/kg
108-90-7	Chlorobenzene	0.000131U	0.00396	0.000131	mg/kg
75-00-3	Chloroethane	0.000480U	0.00396	0.000480	mg/kg
67-66-3	Chloroform	0.000112U	0.00396	0.000112	mg/kg
74-87-3	Chloromethane	0.000367U	0.00396	0.000367	mg/kg
110-82-7	Cyclohexane	0.000875U	0.00396	0.000875	mg/kg
124-48-1	Dibromochloromethane	0.0000712U	0.00396	0.0000712	mg/kg
75-71-8	Dichlorodifluoromethane	0.000288U	0.00396	0.000288	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.0000910U	0.00396	0.0000910	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000112U	0.00396	0.000112	mg/kg
100-41-4	Ethylbenzene	0.000164U	0.00396	0.000164	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000121U	0.00396	0.000121	mg/kg
79-20-9	Methyl Acetate	0.00121U	0.00396	0.00121	mg/kg
108-87-2	Methylcyclohexane	0.000293U	0.00396	0.000293	mg/kg
75-09-2	Methylene chloride	0.000379U	0.00791	0.000379	mg/kg
100-42-5	Styrene	0.000120U	0.00396	0.000120	mg/kg
127-18-4	**Tetrachloroethene**	**0.000822J**	**0.00396**	**0.000152**	**mg/kg**
108-88-3	Toluene	0.000435U	0.00396	0.000435	mg/kg
79-01-6	**Trichloroethene**	**0.017**	**0.00396**	**0.000140**	**mg/kg**
75-69-4	Trichlorofluoromethane	0.000199U	0.00396	0.000199	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000149U	0.00396	0.000149	mg/kg
75-01-4	Vinyl chloride	0.000278U	0.00396	0.000278	mg/kg
1330-20-7	Xylene (total)	0.000453U	0.00791	0.000453	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**0.00387J**	**0.00396**	**0.0000997**	**mg/kg**
1634-04-4	tert-Butyl methyl ether (MTBE)	0.0000586U	0.00396	0.0000586	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000130U	0.00396	0.000130	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201402	HA-1 (6-8)	Solid	04/19/2006 10:00	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/22/2006 18:20	AJV	321033

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.034	.031	mg/kg	89	84 - 118
1868-53-7	Dibromofluoromethane	.034	.037	mg/kg	108	65 - 135
2037-26-5	Toluene d8	.034	.034	mg/kg	100	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.034	.034	mg/kg	98	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201403	HA-2 (0-12)	Solid	04/19/2006 10:15	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	04/23/2006 11:15	VWM	321050

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.00716U	0.291	0.00716	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.010U	0.291	0.010	mg/kg
79-00-5	1,1,2-Trichloroethane	0.00664U	0.291	0.00664	mg/kg
75-34-3	1,1-Dichloroethane	0.00926U	0.291	0.00926	mg/kg
75-35-4	1,1-Dichloroethene	0.021U	0.291	0.021	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.019U	0.291	0.019	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.050U	0.291	0.050	mg/kg
106-93-4	1,2-Dibromoethane	0.00874U	0.291	0.00874	mg/kg
95-50-1	1,2-Dichlorobenzene	0.00664U	0.291	0.00664	mg/kg
107-06-2	1,2-Dichloroethane	0.00664U	0.291	0.00664	mg/kg
78-87-5	1,2-Dichloropropane	0.00652U	0.291	0.00652	mg/kg
541-73-1	1,3-Dichlorobenzene	0.014U	0.291	0.014	mg/kg
106-46-7	1,4-Dichlorobenzene	0.025U	0.291	0.025	mg/kg
78-93-3	2-Butanone	0.018U	0.291	0.018	mg/kg
591-78-6	2-Hexanone	0.048U	0.291	0.048	mg/kg
108-10-1	4-Methyl-2-pentanone	0.010U	0.291	0.010	mg/kg
67-64-1	Acetone	0.022U	1.46	0.022	mg/kg
71-43-2	Benzene	0.00606U	0.291	0.00606	mg/kg
75-27-4	Bromodichloromethane	0.00786U	0.291	0.00786	mg/kg
75-25-2	Bromoform	0.00984U	0.291	0.00984	mg/kg
74-83-9	Bromomethane	0.088U	0.291	0.088	mg/kg
75-15-0	Carbon disulfide	0.00635U	0.291	0.00635	mg/kg
56-23-5	Carbon tetrachloride	0.00699U	0.291	0.00699	mg/kg
108-90-7	Chlorobenzene	0.00961U	0.291	0.00961	mg/kg
75-00-3	Chloroethane	0.035U	0.291	0.035	mg/kg
67-66-3	Chloroform	0.00821U	0.291	0.00821	mg/kg
74-87-3	Chloromethane	0.027U	0.291	0.027	mg/kg
110-82-7	Cyclohexane	0.064U	0.291	0.064	mg/kg
124-48-1	Dibromochloromethane	0.00524U	0.291	0.00524	mg/kg
75-71-8	Dichlorodifluoromethane	0.021U	0.291	0.021	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.00670U	0.291	0.00670	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.00821U	0.291	0.00821	mg/kg
100-41-4	Ethylbenzene	0.012U	0.291	0.012	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.00891U	0.291	0.00891	mg/kg
79-20-9	Methyl Acetate	0.089U	0.291	0.089	mg/kg
108-87-2	Methylcyclohexane	0.022U	0.291	0.022	mg/kg
75-09-2	**Methylene chloride**	**0.130J**	**0.583**	**0.028**	**mg/kg**
100-42-5	Styrene	0.00885U	0.291	0.00885	mg/kg
127-18-4	Tetrachloroethene	0.011U	0.291	0.011	mg/kg
108-88-3	Toluene	0.032U	0.291	0.032	mg/kg
79-01-6	**Trichloroethene**	**0.241J**	**0.291**	**0.010**	**mg/kg**
75-69-4	Trichlorofluoromethane	0.015U	0.291	0.015	mg/kg
76-13-1	Trichlorotrifluoroethane	0.011U	0.291	0.011	mg/kg
75-01-4	Vinyl chloride	0.020U	0.291	0.020	mg/kg
1330-20-7	Xylene (total)	0.033U	0.583	0.033	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.00734U	0.291	0.00734	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00431U	0.291	0.00431	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.00955U	0.291	0.00955	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201403	HA-2 (0-12)	Solid	04/19/2006 10:15	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	04/23/2006 11:15	VWM	321050

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2.5	2.58	mg/kg	103	84 - 118
1868-53-7	Dibromofluoromethane	2.5	2.31	mg/kg	92	65 - 135
2037-26-5	Toluene d8	2.5	2.62	mg/kg	105	84 - 116
17060-07-0	1,2-Dichloroethane-d4	2.5	2.15	mg/kg	86	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201404	HA-2 (8-10)	Solid	04/19/2006 10:30	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/21/2006 20:01	JCK	320927

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000122U	0.00497	0.000122	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.000179U	0.00497	0.000179	mg/kg
79-00-5	1,1,2-Trichloroethane	0.000113U	0.00497	0.000113	mg/kg
75-34-3	1,1-Dichloroethane	0.000158U	0.00497	0.000158	mg/kg
75-35-4	1,1-Dichloroethene	0.000357U	0.00497	0.000357	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.000325U	0.00497	0.000325	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.000861U	0.00497	0.000861	mg/kg
106-93-4	1,2-Dibromoethane	0.000149U	0.00497	0.000149	mg/kg
95-50-1	1,2-Dichlorobenzene	0.000113U	0.00497	0.000113	mg/kg
107-06-2	1,2-Dichloroethane	0.000113U	0.00497	0.000113	mg/kg
78-87-5	1,2-Dichloropropane	0.000111U	0.00497	0.000111	mg/kg
541-73-1	1,3-Dichlorobenzene	0.000235U	0.00497	0.000235	mg/kg
106-46-7	1,4-Dichlorobenzene	0.000419U	0.00497	0.000419	mg/kg
78-93-3	2-Butanone	0.000310U	0.00497	0.000310	mg/kg
591-78-6	2-Hexanone	0.000822U	0.00497	0.000822	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000172U	0.00497	0.000172	mg/kg
67-64-1	**Acetone**	**0.00600J**	**0.025**	**0.000372**	**mg/kg**
71-43-2	Benzene	0.000103U	0.00497	0.000103	mg/kg
75-27-4	Bromodichloromethane	0.000134U	0.00497	0.000134	mg/kg
75-25-2	Bromoform	0.000168U	0.00497	0.000168	mg/kg
74-83-9	Bromomethane	0.00150U	0.00497	0.00150	mg/kg
75-15-0	Carbon disulfide	0.000108U	0.00497	0.000108	mg/kg
56-23-5	Carbon tetrachloride	0.000119U	0.00497	0.000119	mg/kg
108-90-7	Chlorobenzene	0.000164U	0.00497	0.000164	mg/kg
75-00-3	Chloroethane	0.000603U	0.00497	0.000603	mg/kg
67-66-3	Chloroform	0.000140U	0.00497	0.000140	mg/kg
74-87-3	Chloromethane	0.000461U	0.00497	0.000461	mg/kg
110-82-7	Cyclohexane	0.00110U	0.00497	0.00110	mg/kg
124-48-1	Dibromochloromethane	0.0000895U	0.00497	0.0000895	mg/kg
75-71-8	Dichlorodifluoromethane	0.000362U	0.00497	0.000362	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.000114U	0.00497	0.000114	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000140U	0.00497	0.000140	mg/kg
100-41-4	Ethylbenzene	0.000206U	0.00497	0.000206	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000152U	0.00497	0.000152	mg/kg
79-20-9	Methyl Acetate	0.00152U	0.00497	0.00152	mg/kg
108-87-2	Methylcyclohexane	0.000368U	0.00497	0.000368	mg/kg
75-09-2	Methylene chloride	0.000476U	0.00995	0.000476	mg/kg
100-42-5	Styrene	0.000151U	0.00497	0.000151	mg/kg
127-18-4	Tetrachloroethene	0.000191U	0.00497	0.000191	mg/kg
108-88-3	Toluene	0.000547U	0.00497	0.000547	mg/kg
79-01-6	**Trichloroethene**	**0.027**	**0.00497**	**0.000176**	**mg/kg**
75-69-4	Trichlorofluoromethane	0.000251U	0.00497	0.000251	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000187U	0.00497	0.000187	mg/kg
75-01-4	Vinyl chloride	0.000349U	0.00497	0.000349	mg/kg
1330-20-7	Xylene (total)	0.000569U	0.00995	0.000569	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000125U	0.00497	0.000125	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.0000736U	0.00497	0.0000736	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000163U	0.00497	0.000163	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201404	HA-2 (8-10)	Solid	04/19/2006 10:30	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/21/2006 20:01	JCK	320927

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.042	.042	mg/kg	98	84 - 118
1868-53-7	Dibromofluoromethane	.042	.041	mg/kg	96	65 - 135
2037-26-5	Toluene d8	.042	.044	mg/kg	104	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.042	.04	mg/kg	95	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201405	HA-3 (0-12)	Solid	04/19/2006 10:40	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/21/2006 20:53	JCK	320927

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000305U	0.012	0.000305	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.000446U	0.012	0.000446	mg/kg
79-00-5	1,1,2-Trichloroethane	0.000282U	0.012	0.000282	mg/kg
75-34-3	1,1-Dichloroethane	0.000394U	0.012	0.000394	mg/kg
75-35-4	1,1-Dichloroethene	0.000889U	0.012	0.000889	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.000810U	0.012	0.000810	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.00215U	0.012	0.00215	mg/kg
106-93-4	1,2-Dibromoethane	0.000372U	0.012	0.000372	mg/kg
95-50-1	1,2-Dichlorobenzene	0.000282U	0.012	0.000282	mg/kg
107-06-2	1,2-Dichloroethane	0.000282U	0.012	0.000282	mg/kg
78-87-5	1,2-Dichloropropane	0.000277U	0.012	0.000277	mg/kg
541-73-1	1,3-Dichlorobenzene	0.000585U	0.012	0.000585	mg/kg
106-46-7	1,4-Dichlorobenzene	0.00104U	0.012	0.00104	mg/kg
78-93-3	**2-Butanone**	**0.00912J**	**0.012**	**0.000773**	**mg/kg**
591-78-6	2-Hexanone	0.00205U	0.012	0.00205	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000429U	0.012	0.000429	mg/kg
67-64-1	**Acetone**	**0.119**	**0.062**	**0.000926**	**mg/kg**
71-43-2	Benzene	0.000258U	0.012	0.000258	mg/kg
75-27-4	Bromodichloromethane	0.000334U	0.012	0.000334	mg/kg
75-25-2	Bromoform	0.000419U	0.012	0.000419	mg/kg
74-83-9	Bromomethane	0.00373U	0.012	0.00373	mg/kg
75-15-0	Carbon disulfide	0.000270U	0.012	0.000270	mg/kg
56-23-5	Carbon tetrachloride	0.000297U	0.012	0.000297	mg/kg
108-90-7	Chlorobenzene	0.000409U	0.012	0.000409	mg/kg
75-00-3	Chloroethane	0.00150U	0.012	0.00150	mg/kg
67-66-3	Chloroform	0.000349U	0.012	0.000349	mg/kg
74-87-3	Chloromethane	0.00115U	0.012	0.00115	mg/kg
110-82-7	Cyclohexane	0.00274U	0.012	0.00274	mg/kg
124-48-1	Dibromochloromethane	0.000223U	0.012	0.000223	mg/kg
75-71-8	Dichlorodifluoromethane	0.000902U	0.012	0.000902	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.000285U	0.012	0.000285	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000349U	0.012	0.000349	mg/kg
100-41-4	Ethylbenzene	0.000513U	0.012	0.000513	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000379U	0.012	0.000379	mg/kg
79-20-9	Methyl Acetate	0.00379U	0.012	0.00379	mg/kg
108-87-2	Methylcyclohexane	0.000917U	0.012	0.000917	mg/kg
75-09-2	Methylene chloride	0.00119U	0.025	0.00119	mg/kg
100-42-5	Styrene	0.000377U	0.012	0.000377	mg/kg
127-18-4	Tetrachloroethene	0.000476U	0.012	0.000476	mg/kg
108-88-3	Toluene	0.00136U	0.012	0.00136	mg/kg
79-01-6	**Trichloroethene**	**0.019**	**0.012**	**0.000438**	**mg/kg**
75-69-4	Trichlorofluoromethane	0.000624U	0.012	0.000624	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000466U	0.012	0.000466	mg/kg
75-01-4	Vinyl chloride	0.000869U	0.012	0.000869	mg/kg
1330-20-7	Xylene (total)	0.00142U	0.025	0.00142	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000312U	0.012	0.000312	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.000183U	0.012	0.000183	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000406U	0.012	0.000406	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201405	HA-3 (0-12)	Solid	04/19/2006 10:40	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/21/2006 20:53	JCK	320927

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.108	.087	mg/kg	**80***	84 - 118
1868-53-7	Dibromofluoromethane	.108	.108	mg/kg	100	65 - 135
2037-26-5	Toluene d8	.108	.132	mg/kg	**122***	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.108	.101	mg/kg	93	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201406	HA-3 (8-10)	Solid	04/19/2006 10:45	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/22/2006 19:01	AJV	321033

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.0000877U	0.00357	0.0000877	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.000128U	0.00357	0.000128	mg/kg
79-00-5	1,1,2-Trichloroethane	0.0000813U	0.00357	0.0000813	mg/kg
75-34-3	1,1-Dichloroethane	0.000113U	0.00357	0.000113	mg/kg
75-35-4	1,1-Dichloroethene	0.000256U	0.00357	0.000256	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.000233U	0.00357	0.000233	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.000618U	0.00357	0.000618	mg/kg
106-93-4	1,2-Dibromoethane	0.000107U	0.00357	0.000107	mg/kg
95-50-1	1,2-Dichlorobenzene	0.0000813U	0.00357	0.0000813	mg/kg
107-06-2	1,2-Dichloroethane	0.0000813U	0.00357	0.0000813	mg/kg
78-87-5	1,2-Dichloropropane	0.0000799U	0.00357	0.0000799	mg/kg
541-73-1	1,3-Dichlorobenzene	0.000168U	0.00357	0.000168	mg/kg
106-46-7	1,4-Dichlorobenzene	0.000300U	0.00357	0.000300	mg/kg
78-93-3	2-Butanone	0.000223U	0.00357	0.000223	mg/kg
591-78-6	2-Hexanone	0.000589U	0.00357	0.000589	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000123U	0.00357	0.000123	mg/kg
67-64-1	**Acetone**	**0.00283J**	**0.018**	**0.000267**	**mg/kg**
71-43-2	Benzene	0.0000742U	0.00357	0.0000742	mg/kg
75-27-4	Bromodichloromethane	0.0000963U	0.00357	0.0000963	mg/kg
75-25-2	Bromoform	0.000121U	0.00357	0.000121	mg/kg
74-83-9	Bromomethane	0.00107U	0.00357	0.00107	mg/kg
75-15-0	Carbon disulfide	0.0000778U	0.00357	0.0000778	mg/kg
56-23-5	Carbon tetrachloride	0.0000856U	0.00357	0.0000856	mg/kg
108-90-7	Chlorobenzene	0.000118U	0.00357	0.000118	mg/kg
75-00-3	Chloroethane	0.000432U	0.00357	0.000432	mg/kg
67-66-3	Chloroform	0.000101U	0.00357	0.000101	mg/kg
74-87-3	Chloromethane	0.000331U	0.00357	0.000331	mg/kg
110-82-7	Cyclohexane	0.000789U	0.00357	0.000789	mg/kg
124-48-1	Dibromochloromethane	0.0000642U	0.00357	0.0000642	mg/kg
75-71-8	Dichlorodifluoromethane	0.000260U	0.00357	0.000260	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.0000820U	0.00357	0.0000820	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000101U	0.00357	0.000101	mg/kg
100-41-4	Ethylbenzene	0.000148U	0.00357	0.000148	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000109U	0.00357	0.000109	mg/kg
79-20-9	Methyl Acetate	0.00109U	0.00357	0.00109	mg/kg
108-87-2	Methylcyclohexane	0.000264U	0.00357	0.000264	mg/kg
75-09-2	Methylene chloride	0.000342U	0.00713	0.000342	mg/kg
100-42-5	Styrene	0.000108U	0.00357	0.000108	mg/kg
127-18-4	Tetrachloroethene	0.000137U	0.00357	0.000137	mg/kg
108-88-3	Toluene	0.000392U	0.00357	0.000392	mg/kg
79-01-6	**Trichloroethene**	**0.00353J**	**0.00357**	**0.000126**	**mg/kg**
75-69-4	Trichlorofluoromethane	0.000180U	0.00357	0.000180	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000134U	0.00357	0.000134	mg/kg
75-01-4	Vinyl chloride	0.000250U	0.00357	0.000250	mg/kg
1330-20-7	Xylene (total)	0.000408U	0.00713	0.000408	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.0000899U	0.00357	0.0000899	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.0000528U	0.00357	0.0000528	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000117U	0.00357	0.000117	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201406	HA-3 (8-10)	Solid	04/19/2006 10:45	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/22/2006 19:01	AJV	321033

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.033	.03	mg/kg	92	84 - 118
1868-53-7	Dibromofluoromethane	.033	.035	mg/kg	107	65 - 135
2037-26-5	Toluene d8	.033	.032	mg/kg	98	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.033	.032	mg/kg	97	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201407	HA-4 (0-12)	Solid	04/19/2006 10:55	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/22/2006 19:22	AJV	321033

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000173U	0.00705	0.000173	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.000254U	0.00705	0.000254	mg/kg
79-00-5	1,1,2-Trichloroethane	0.000161U	0.00705	0.000161	mg/kg
75-34-3	1,1-Dichloroethane	0.000224U	0.00705	0.000224	mg/kg
75-35-4	1,1-Dichloroethene	0.000506U	0.00705	0.000506	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.000461U	0.00705	0.000461	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.00122U	0.00705	0.00122	mg/kg
106-93-4	1,2-Dibromoethane	0.000211U	0.00705	0.000211	mg/kg
95-50-1	1,2-Dichlorobenzene	0.000161U	0.00705	0.000161	mg/kg
107-06-2	1,2-Dichloroethane	0.000161U	0.00705	0.000161	mg/kg
78-87-5	1,2-Dichloropropane	0.000158U	0.00705	0.000158	mg/kg
541-73-1	1,3-Dichlorobenzene	0.000333U	0.00705	0.000333	mg/kg
106-46-7	1,4-Dichlorobenzene	0.000593U	0.00705	0.000593	mg/kg
78-93-3	**2-Butanone**	**0.00279J**	**0.00705**	**0.000440**	**mg/kg**
591-78-6	2-Hexanone	0.00116U	0.00705	0.00116	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000244U	0.00705	0.000244	mg/kg
67-64-1	**Acetone**	**0.025J**	**0.035**	**0.000527**	**mg/kg**
71-43-2	Benzene	0.000147U	0.00705	0.000147	mg/kg
75-27-4	Bromodichloromethane	0.000190U	0.00705	0.000190	mg/kg
75-25-2	Bromoform	0.000238U	0.00705	0.000238	mg/kg
74-83-9	Bromomethane	0.00212U	0.00705	0.00212	mg/kg
75-15-0	Carbon disulfide	0.000154U	0.00705	0.000154	mg/kg
56-23-5	Carbon tetrachloride	0.000169U	0.00705	0.000169	mg/kg
108-90-7	Chlorobenzene	0.000233U	0.00705	0.000233	mg/kg
75-00-3	Chloroethane	0.000854U	0.00705	0.000854	mg/kg
67-66-3	Chloroform	0.000199U	0.00705	0.000199	mg/kg
74-87-3	Chloromethane	0.000654U	0.00705	0.000654	mg/kg
110-82-7	Cyclohexane	0.00156U	0.00705	0.00156	mg/kg
124-48-1	Dibromochloromethane	0.000127U	0.00705	0.000127	mg/kg
75-71-8	Dichlorodifluoromethane	0.000513U	0.00705	0.000513	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.000162U	0.00705	0.000162	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000199U	0.00705	0.000199	mg/kg
100-41-4	Ethylbenzene	0.000292U	0.00705	0.000292	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000216U	0.00705	0.000216	mg/kg
79-20-9	Methyl Acetate	0.00216U	0.00705	0.00216	mg/kg
108-87-2	Methylcyclohexane	0.000521U	0.00705	0.000521	mg/kg
75-09-2	Methylene chloride	0.000675U	0.014	0.000675	mg/kg
100-42-5	Styrene	0.000214U	0.00705	0.000214	mg/kg
127-18-4	Tetrachloroethene	0.000271U	0.00705	0.000271	mg/kg
108-88-3	Toluene	0.000775U	0.00705	0.000775	mg/kg
79-01-6	Trichloroethene	0.000249U	0.00705	0.000249	mg/kg
75-69-4	Trichlorofluoromethane	0.000355U	0.00705	0.000355	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000265U	0.00705	0.000265	mg/kg
75-01-4	Vinyl chloride	0.000495U	0.00705	0.000495	mg/kg
1330-20-7	Xylene (total)	0.000806U	0.014	0.000806	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000178U	0.00705	0.000178	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.000104U	0.00705	0.000104	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000231U	0.00705	0.000231	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201407	HA-4 (0-12)	Solid	04/19/2006 10:55	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/22/2006 19:22	AJV	321033

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.064	.057	mg/kg	90	84 - 118
1868-53-7	Dibromofluoromethane	.064	.071	mg/kg	110	65 - 135
2037-26-5	Toluene d8	.064	.065	mg/kg	101	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.064	.069	mg/kg	107	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201408	HA-4 (7-9)	Solid	04/19/2006 11:00	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/23/2006 14:37	JCK	321078

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000147U	0.00596	0.000147	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.000215U	0.00596	0.000215	mg/kg
79-00-5	1,1,2-Trichloroethane	0.000136U	0.00596	0.000136	mg/kg
75-34-3	1,1-Dichloroethane	0.000190U	0.00596	0.000190	mg/kg
75-35-4	1,1-Dichloroethene	0.000428U	0.00596	0.000428	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.000390U	0.00596	0.000390	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.00103U	0.00596	0.00103	mg/kg
106-93-4	1,2-Dibromoethane	0.000179U	0.00596	0.000179	mg/kg
95-50-1	1,2-Dichlorobenzene	0.000136U	0.00596	0.000136	mg/kg
107-06-2	1,2-Dichloroethane	0.000136U	0.00596	0.000136	mg/kg
78-87-5	1,2-Dichloropropane	0.000133U	0.00596	0.000133	mg/kg
541-73-1	1,3-Dichlorobenzene	0.000281U	0.00596	0.000281	mg/kg
106-46-7	1,4-Dichlorobenzene	0.000502U	0.00596	0.000502	mg/kg
78-93-3	2-Butanone	0.000372U	0.00596	0.000372	mg/kg
591-78-6	2-Hexanone	0.000985U	0.00596	0.000985	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000206U	0.00596	0.000206	mg/kg
67-64-1	Acetone	0.000446U	0.030	0.000446	mg/kg
71-43-2	Benzene	0.000124U	0.00596	0.000124	mg/kg
75-27-4	Bromodichloromethane	0.000161U	0.00596	0.000161	mg/kg
75-25-2	Bromoform	0.000201U	0.00596	0.000201	mg/kg
74-83-9	Bromomethane	0.00179U	0.00596	0.00179	mg/kg
75-15-0	Carbon disulfide	0.000130U	0.00596	0.000130	mg/kg
56-23-5	Carbon tetrachloride	0.000143U	0.00596	0.000143	mg/kg
108-90-7	Chlorobenzene	0.000197U	0.00596	0.000197	mg/kg
75-00-3	Chloroethane	0.000722U	0.00596	0.000722	mg/kg
67-66-3	Chloroform	0.000168U	0.00596	0.000168	mg/kg
74-87-3	Chloromethane	0.000553U	0.00596	0.000553	mg/kg
110-82-7	Cyclohexane	0.00132U	0.00596	0.00132	mg/kg
124-48-1	Dibromochloromethane	0.000107U	0.00596	0.000107	mg/kg
75-71-8	Dichlorodifluoromethane	0.000434U	0.00596	0.000434	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.000137U	0.00596	0.000137	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000168U	0.00596	0.000168	mg/kg
100-41-4	Ethylbenzene	0.000247U	0.00596	0.000247	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000182U	0.00596	0.000182	mg/kg
79-20-9	Methyl Acetate	0.00182U	0.00596	0.00182	mg/kg
108-87-2	Methylcyclohexane	0.000441U	0.00596	0.000441	mg/kg
75-09-2	Methylene chloride	0.000571U	0.012	0.000571	mg/kg
100-42-5	Styrene	0.000181U	0.00596	0.000181	mg/kg
127-18-4	Tetrachloroethene	0.000229U	0.00596	0.000229	mg/kg
108-88-3	Toluene	0.000656U	0.00596	0.000656	mg/kg
79-01-6	Trichloroethene	0.000211U	0.00596	0.000211	mg/kg
75-69-4	Trichlorofluoromethane	0.000300U	0.00596	0.000300	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000224U	0.00596	0.000224	mg/kg
75-01-4	Vinyl chloride	0.000418U	0.00596	0.000418	mg/kg
1330-20-7	Xylene (total)	0.000682U	0.012	0.000682	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000150U	0.00596	0.000150	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.0000882U	0.00596	0.0000882	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000195U	0.00596	0.000195	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201408	HA-4 (7-9)	Solid	04/19/2006 11:00	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/23/2006 14:37	JCK	321078

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.051	.048	mg/kg	95	84 - 118
1868-53-7	Dibromofluoromethane	.051	.05	mg/kg	98	65 - 135
2037-26-5	Toluene d8	.051	.057	mg/kg	112	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.051	.045	mg/kg	88	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201409	HA-5 (0-12)	Solid	04/19/2006 11:10	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/22/2006 20:04	AJV	321033

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000298U	0.012	0.000298	mg/kg
79-00-5	1,1,2-Trichloroethane	0.000276U	0.012	0.000276	mg/kg
75-34-3	1,1-Dichloroethane	0.000386U	0.012	0.000386	mg/kg
75-35-4	1,1-Dichloroethene	0.000870U	0.012	0.000870	mg/kg
106-93-4	1,2-Dibromoethane	0.000364U	0.012	0.000364	mg/kg
107-06-2	1,2-Dichloroethane	0.000276U	0.012	0.000276	mg/kg
78-87-5	1,2-Dichloropropane	0.000272U	0.012	0.000272	mg/kg
78-93-3	2-Butanone	0.000756U	0.012	0.000756	mg/kg
591-78-6	2-Hexanone	0.00200U	0.012	0.00200	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000419U	0.012	0.000419	mg/kg
67-64-1	**Acetone**	**0.063**	**0.061**	**0.000907**	**mg/kg**
71-43-2	**Benzene**	**0.00440J**	**0.012**	**0.000252**	**mg/kg**
75-27-4	Bromodichloromethane	0.000327U	0.012	0.000327	mg/kg
75-25-2	Bromoform	0.000410U	0.012	0.000410	mg/kg
74-83-9	Bromomethane	0.00365U	0.012	0.00365	mg/kg
75-15-0	Carbon disulfide	0.000264U	0.012	0.000264	mg/kg
56-23-5	Carbon tetrachloride	0.000291U	0.012	0.000291	mg/kg
108-90-7	Chlorobenzene	0.000400U	0.012	0.000400	mg/kg
75-00-3	Chloroethane	0.00147U	0.012	0.00147	mg/kg
67-66-3	Chloroform	0.000342U	0.012	0.000342	mg/kg
74-87-3	Chloromethane	0.00113U	0.012	0.00113	mg/kg
110-82-7	Cyclohexane	0.00268U	0.012	0.00268	mg/kg
124-48-1	Dibromochloromethane	0.000218U	0.012	0.000218	mg/kg
75-71-8	Dichlorodifluoromethane	0.000883U	0.012	0.000883	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.000279U	0.012	0.000279	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000342U	0.012	0.000342	mg/kg
100-41-4	Ethylbenzene	0.000502U	0.012	0.000502	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000371U	0.012	0.000371	mg/kg
79-20-9	Methyl Acetate	0.00371U	0.012	0.00371	mg/kg
108-87-2	Methylcyclohexane	0.000897U	0.012	0.000897	mg/kg
75-09-2	Methylene chloride	0.00116U	0.024	0.00116	mg/kg
100-42-5	Styrene	0.000369U	0.012	0.000369	mg/kg
127-18-4	**Tetrachloroethene**	**0.00252J**	**0.012**	**0.000466**	**mg/kg**
108-88-3	**Toluene**	**0.00335J**	**0.012**	**0.00133**	**mg/kg**
79-01-6	Trichloroethene	0.000429U	0.012	0.000429	mg/kg
75-69-4	Trichlorofluoromethane	0.000611U	0.012	0.000611	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000456U	0.012	0.000456	mg/kg
75-01-4	Vinyl chloride	0.000851U	0.012	0.000851	mg/kg
1330-20-7	Xylene (total)	0.00139U	0.024	0.00139	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000306U	0.012	0.000306	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.000179U	0.012	0.000179	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000398U	0.012	0.000398	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201409	HA-5 (0-12)	Solid	04/19/2006 11:10	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/22/2006 20:04	AJV	321033

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.11	.081	mg/kg	74*	84 - 118
1868-53-7	Dibromofluoromethane	.11	.123	mg/kg	112	65 - 135
2037-26-5	Toluene d8	.11	.127	mg/kg	116	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.11	.111	mg/kg	101	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201409	HA-5 (0-12)	Solid	04/19/2006 11:10	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	04/24/2006 14:40	ABD	321145

CAS#	Parameter	Result	RDL	MDL	Units
79-34-5	1,1,2,2-Tetrachloroethane	0.018U	0.510	0.018	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.033U	0.510	0.033	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.088U	0.510	0.088	mg/kg
95-50-1	1,2-Dichlorobenzene	0.012U	0.510	0.012	mg/kg
541-73-1	1,3-Dichlorobenzene	0.024U	0.510	0.024	mg/kg
106-46-7	1,4-Dichlorobenzene	0.043U	0.510	0.043	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	4.61	4.58	mg/kg	99	84 - 118
1868-53-7	Dibromofluoromethane	4.61	4.18	mg/kg	91	65 - 135
2037-26-5	Toluene d8	4.61	4.9	mg/kg	106	84 - 116
17060-07-0	1,2-Dichloroethane-d4	4.61	4.08	mg/kg	88	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201410	HA-5 (7-9)	Solid	04/19/2006 11:20	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	04/24/2006 13:32	ABD	321145

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.00656U	0.267	0.00656	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.00960U	0.267	0.00960	mg/kg
79-00-5	1,1,2-Trichloroethane	0.00608U	0.267	0.00608	mg/kg
75-34-3	1,1-Dichloroethane	0.00848U	0.267	0.00848	mg/kg
75-35-4	1,1-Dichloroethene	0.019U	0.267	0.019	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.017U	0.267	0.017	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.046U	0.267	0.046	mg/kg
106-93-4	1,2-Dibromoethane	0.00800U	0.267	0.00800	mg/kg
95-50-1	1,2-Dichlorobenzene	0.00608U	0.267	0.00608	mg/kg
107-06-2	1,2-Dichloroethane	0.00608U	0.267	0.00608	mg/kg
78-87-5	1,2-Dichloropropane	0.00597U	0.267	0.00597	mg/kg
541-73-1	1,3-Dichlorobenzene	0.013U	0.267	0.013	mg/kg
106-46-7	1,4-Dichlorobenzene	0.022U	0.267	0.022	mg/kg
78-93-3	2-Butanone	0.017U	0.267	0.017	mg/kg
591-78-6	2-Hexanone	0.044U	0.267	0.044	mg/kg
108-10-1	4-Methyl-2-pentanone	0.00922U	0.267	0.00922	mg/kg
67-64-1	Acetone	0.020U	1.33	0.020	mg/kg
71-43-2	Benzene	0.00555U	0.267	0.00555	mg/kg
75-27-4	Bromodichloromethane	0.00720U	0.267	0.00720	mg/kg
75-25-2	Bromoform	0.00901U	0.267	0.00901	mg/kg
74-83-9	Bromomethane	0.080U	0.267	0.080	mg/kg
75-15-0	Carbon disulfide	0.00581U	0.267	0.00581	mg/kg
56-23-5	Carbon tetrachloride	0.00640U	0.267	0.00640	mg/kg
108-90-7	Chlorobenzene	0.00880U	0.267	0.00880	mg/kg
75-00-3	Chloroethane	0.032U	0.267	0.032	mg/kg
67-66-3	Chloroform	0.00752U	0.267	0.00752	mg/kg
74-87-3	Chloromethane	0.025U	0.267	0.025	mg/kg
110-82-7	Cyclohexane	0.059U	0.267	0.059	mg/kg
124-48-1	Dibromochloromethane	0.00480U	0.267	0.00480	mg/kg
75-71-8	Dichlorodifluoromethane	0.019U	0.267	0.019	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.00613U	0.267	0.00613	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.00752U	0.267	0.00752	mg/kg
100-41-4	Ethylbenzene	0.011U	0.267	0.011	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.00816U	0.267	0.00816	mg/kg
79-20-9	Methyl Acetate	0.082U	0.267	0.082	mg/kg
108-87-2	Methylcyclohexane	0.020U	0.267	0.020	mg/kg
75-09-2	**Methylene chloride**	**0.096J**	**0.533**	**0.026**	**mg/kg**
100-42-5	Styrene	0.00810U	0.267	0.00810	mg/kg
127-18-4	Tetrachloroethene	0.010U	0.267	0.010	mg/kg
108-88-3	**Toluene**	**0.053J**	**0.267**	**0.029**	**mg/kg**
79-01-6	Trichloroethene	0.00944U	0.267	0.00944	mg/kg
75-69-4	Trichlorofluoromethane	0.013U	0.267	0.013	mg/kg
76-13-1	Trichlorotrifluoroethane	0.010U	0.267	0.010	mg/kg
75-01-4	Vinyl chloride	0.019U	0.267	0.019	mg/kg
1330-20-7	Xylene (total)	0.030U	0.533	0.030	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.00672U	0.267	0.00672	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00395U	0.267	0.00395	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.00874U	0.267	0.00874	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201410	HA-5 (7-9)	Solid	04/19/2006 11:20	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	04/24/2006 13:32	ABD	321145

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2.14	2.17	mg/kg	102	84 - 118
1868-53-7	Dibromofluoromethane	2.14	1.99	mg/kg	93	65 - 135
2037-26-5	Toluene d8	2.14	2.24	mg/kg	105	84 - 116
17060-07-0	1,2-Dichloroethane-d4	2.14	1.87	mg/kg	88	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201411	HA-6 (0-12)	Solid	04/19/2006 11:30	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/22/2006 20:46	JCK	321033

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000144U	0.00586	0.000144	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.000211U	0.00586	0.000211	mg/kg
79-00-5	1,1,2-Trichloroethane	0.000134U	0.00586	0.000134	mg/kg
75-34-3	1,1-Dichloroethane	0.000186U	0.00586	0.000186	mg/kg
75-35-4	1,1-Dichloroethene	0.000421U	0.00586	0.000421	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.000383U	0.00586	0.000383	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.00102U	0.00586	0.00102	mg/kg
106-93-4	1,2-Dibromoethane	0.000176U	0.00586	0.000176	mg/kg
95-50-1	1,2-Dichlorobenzene	0.000134U	0.00586	0.000134	mg/kg
107-06-2	1,2-Dichloroethane	0.000134U	0.00586	0.000134	mg/kg
78-87-5	1,2-Dichloropropane	0.000131U	0.00586	0.000131	mg/kg
541-73-1	1,3-Dichlorobenzene	0.000277U	0.00586	0.000277	mg/kg
106-46-7	1,4-Dichlorobenzene	0.000494U	0.00586	0.000494	mg/kg
78-93-3	2-Butanone	0.000366U	0.00586	0.000366	mg/kg
591-78-6	2-Hexanone	0.000968U	0.00586	0.000968	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000203U	0.00586	0.000203	mg/kg
67-64-1	**Acetone**	**0.035**	**0.029**	**0.000438**	**mg/kg**
71-43-2	Benzene	0.000122U	0.00586	0.000122	mg/kg
75-27-4	Bromodichloromethane	0.000158U	0.00586	0.000158	mg/kg
75-25-2	Bromoform	0.000198U	0.00586	0.000198	mg/kg
74-83-9	Bromomethane	0.00176U	0.00586	0.00176	mg/kg
75-15-0	**Carbon disulfide**	**0.00179J**	**0.00586**	**0.000128**	**mg/kg**
56-23-5	Carbon tetrachloride	0.000141U	0.00586	0.000141	mg/kg
108-90-7	Chlorobenzene	0.000193U	0.00586	0.000193	mg/kg
75-00-3	Chloroethane	0.000710U	0.00586	0.000710	mg/kg
67-66-3	Chloroform	0.000165U	0.00586	0.000165	mg/kg
74-87-3	Chloromethane	0.000544U	0.00586	0.000544	mg/kg
110-82-7	Cyclohexane	0.00130U	0.00586	0.00130	mg/kg
124-48-1	Dibromochloromethane	0.000106U	0.00586	0.000106	mg/kg
75-71-8	Dichlorodifluoromethane	0.000427U	0.00586	0.000427	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.000135U	0.00586	0.000135	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000165U	0.00586	0.000165	mg/kg
100-41-4	Ethylbenzene	0.000243U	0.00586	0.000243	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000179U	0.00586	0.000179	mg/kg
79-20-9	Methyl Acetate	0.00179U	0.00586	0.00179	mg/kg
108-87-2	Methylcyclohexane	0.000434U	0.00586	0.000434	mg/kg
75-09-2	Methylene chloride	0.000562U	0.012	0.000562	mg/kg
100-42-5	Styrene	0.000178U	0.00586	0.000178	mg/kg
127-18-4	Tetrachloroethene	0.000225U	0.00586	0.000225	mg/kg
108-88-3	Toluene	0.000645U	0.00586	0.000645	mg/kg
79-01-6	Trichloroethene	0.000207U	0.00586	0.000207	mg/kg
75-69-4	Trichlorofluoromethane	0.000295U	0.00586	0.000295	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000220U	0.00586	0.000220	mg/kg
75-01-4	Vinyl chloride	0.000411U	0.00586	0.000411	mg/kg
1330-20-7	Xylene (total)	0.000671U	0.012	0.000671	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000148U	0.00586	0.000148	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.0000867U	0.00586	0.0000867	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000192U	0.00586	0.000192	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201411	HA-6 (0-12)	Solid	04/19/2006 11:30	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/22/2006 20:46	JCK	321033

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.054	.051	mg/kg	94	84 - 118
1868-53-7	Dibromofluoromethane	.054	.06	mg/kg	111	65 - 135
2037-26-5	Toluene d8	.054	.053	mg/kg	99	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.054	.057	mg/kg	106	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201412	HA-6 (8-10)	Solid	04/19/2006 11:35	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/22/2006 21:06	JCK	321033

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000130U	0.00530	0.000130	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.000191U	0.00530	0.000191	mg/kg
79-00-5	1,1,2-Trichloroethane	0.000121U	0.00530	0.000121	mg/kg
75-34-3	1,1-Dichloroethane	0.000168U	0.00530	0.000168	mg/kg
75-35-4	1,1-Dichloroethene	0.000380U	0.00530	0.000380	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.000346U	0.00530	0.000346	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.000917U	0.00530	0.000917	mg/kg
106-93-4	1,2-Dibromoethane	0.000159U	0.00530	0.000159	mg/kg
95-50-1	1,2-Dichlorobenzene	0.000121U	0.00530	0.000121	mg/kg
107-06-2	1,2-Dichloroethane	0.000121U	0.00530	0.000121	mg/kg
78-87-5	1,2-Dichloropropane	0.000119U	0.00530	0.000119	mg/kg
541-73-1	1,3-Dichlorobenzene	0.000250U	0.00530	0.000250	mg/kg
106-46-7	1,4-Dichlorobenzene	0.000446U	0.00530	0.000446	mg/kg
78-93-3	2-Butanone	0.000330U	0.00530	0.000330	mg/kg
591-78-6	2-Hexanone	0.000875U	0.00530	0.000875	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000183U	0.00530	0.000183	mg/kg
67-64-1	**Acetone**	**0.00453J**	**0.026**	**0.000396**	**mg/kg**
71-43-2	Benzene	0.000110U	0.00530	0.000110	mg/kg
75-27-4	Bromodichloromethane	0.000143U	0.00530	0.000143	mg/kg
75-25-2	Bromoform	0.000179U	0.00530	0.000179	mg/kg
74-83-9	Bromomethane	0.00159U	0.00530	0.00159	mg/kg
75-15-0	Carbon disulfide	0.000115U	0.00530	0.000115	mg/kg
56-23-5	Carbon tetrachloride	0.000127U	0.00530	0.000127	mg/kg
108-90-7	Chlorobenzene	0.000175U	0.00530	0.000175	mg/kg
75-00-3	Chloroethane	0.000642U	0.00530	0.000642	mg/kg
67-66-3	Chloroform	0.000149U	0.00530	0.000149	mg/kg
74-87-3	Chloromethane	0.000491U	0.00530	0.000491	mg/kg
110-82-7	Cyclohexane	0.00117U	0.00530	0.00117	mg/kg
124-48-1	Dibromochloromethane	0.0000953U	0.00530	0.0000953	mg/kg
75-71-8	Dichlorodifluoromethane	0.000386U	0.00530	0.000386	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.000122U	0.00530	0.000122	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000149U	0.00530	0.000149	mg/kg
100-41-4	Ethylbenzene	0.000219U	0.00530	0.000219	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000162U	0.00530	0.000162	mg/kg
79-20-9	Methyl Acetate	0.00162U	0.00530	0.00162	mg/kg
108-87-2	Methylcyclohexane	0.000392U	0.00530	0.000392	mg/kg
75-09-2	Methylene chloride	0.000507U	0.011	0.000507	mg/kg
100-42-5	Styrene	0.000161U	0.00530	0.000161	mg/kg
127-18-4	Tetrachloroethene	0.000203U	0.00530	0.000203	mg/kg
108-88-3	Toluene	0.000583U	0.00530	0.000583	mg/kg
79-01-6	**Trichloroethene**	**0.150**	**0.00530**	**0.000187**	**mg/kg**
75-69-4	Trichlorofluoromethane	0.000267U	0.00530	0.000267	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000199U	0.00530	0.000199	mg/kg
75-01-4	Vinyl chloride	0.000372U	0.00530	0.000372	mg/kg
1330-20-7	Xylene (total)	0.000606U	0.011	0.000606	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**0.046**	**0.00530**	**0.000133**	**mg/kg**
1634-04-4	tert-Butyl methyl ether (MTBE)	0.0000784U	0.00530	0.0000784	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000174U	0.00530	0.000174	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201412	HA-6 (8-10)	Solid	04/19/2006 11:35	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/22/2006 21:06	JCK	321033

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.043	.04	mg/kg	92	84 - 118
1868-53-7	Dibromofluoromethane	.043	.047	mg/kg	110	65 - 135
2037-26-5	Toluene d8	.043	.041	mg/kg	96	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.043	.044	mg/kg	103	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201413	HA-7 (0-12)	Solid	04/19/2006 11:43	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/22/2006 21:27	JCK	321033

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000303U	0.012	0.000303	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.000444U	0.012	0.000444	mg/kg
79-00-5	1,1,2-Trichloroethane	0.000281U	0.012	0.000281	mg/kg
75-34-3	1,1-Dichloroethane	0.000392U	0.012	0.000392	mg/kg
75-35-4	1,1-Dichloroethene	0.000886U	0.012	0.000886	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.000807U	0.012	0.000807	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.00214U	0.012	0.00214	mg/kg
106-93-4	1,2-Dibromoethane	0.000370U	0.012	0.000370	mg/kg
95-50-1	1,2-Dichlorobenzene	0.000281U	0.012	0.000281	mg/kg
107-06-2	1,2-Dichloroethane	0.000281U	0.012	0.000281	mg/kg
78-87-5	1,2-Dichloropropane	0.000276U	0.012	0.000276	mg/kg
541-73-1	1,3-Dichlorobenzene	0.000582U	0.012	0.000582	mg/kg
106-46-7	1,4-Dichlorobenzene	0.00104U	0.012	0.00104	mg/kg
78-93-3	**2-Butanone**	**0.00391J**	**0.012**	**0.000770**	**mg/kg**
591-78-6	2-Hexanone	0.00204U	0.012	0.00204	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000427U	0.012	0.000427	mg/kg
67-64-1	**Acetone**	**0.024J**	**0.062**	**0.000923**	**mg/kg**
71-43-2	Benzene	0.000257U	0.012	0.000257	mg/kg
75-27-4	Bromodichloromethane	0.000333U	0.012	0.000333	mg/kg
75-25-2	Bromoform	0.000417U	0.012	0.000417	mg/kg
74-83-9	Bromomethane	0.00371U	0.012	0.00371	mg/kg
75-15-0	Carbon disulfide	0.000269U	0.012	0.000269	mg/kg
56-23-5	Carbon tetrachloride	0.000296U	0.012	0.000296	mg/kg
108-90-7	Chlorobenzene	0.000407U	0.012	0.000407	mg/kg
75-00-3	Chloroethane	0.00149U	0.012	0.00149	mg/kg
67-66-3	Chloroform	0.000348U	0.012	0.000348	mg/kg
74-87-3	Chloromethane	0.00114U	0.012	0.00114	mg/kg
110-82-7	Cyclohexane	0.00273U	0.012	0.00273	mg/kg
124-48-1	Dibromochloromethane	0.000222U	0.012	0.000222	mg/kg
75-71-8	Dichlorodifluoromethane	0.000898U	0.012	0.000898	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.000284U	0.012	0.000284	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000348U	0.012	0.000348	mg/kg
100-41-4	Ethylbenzene	0.000511U	0.012	0.000511	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000377U	0.012	0.000377	mg/kg
79-20-9	Methyl Acetate	0.00377U	0.012	0.00377	mg/kg
108-87-2	Methylcyclohexane	0.000913U	0.012	0.000913	mg/kg
75-09-2	Methylene chloride	0.00118U	0.025	0.00118	mg/kg
100-42-5	Styrene	0.000375U	0.012	0.000375	mg/kg
127-18-4	**Tetrachloroethene**	**0.00253J**	**0.012**	**0.000474**	**mg/kg**
108-88-3	Toluene	0.00136U	0.012	0.00136	mg/kg
79-01-6	Trichloroethene	0.000437U	0.012	0.000437	mg/kg
75-69-4	Trichlorofluoromethane	0.000622U	0.012	0.000622	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000464U	0.012	0.000464	mg/kg
75-01-4	Vinyl chloride	0.000866U	0.012	0.000866	mg/kg
1330-20-7	Xylene (total)	0.00141U	0.025	0.00141	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000311U	0.012	0.000311	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.000183U	0.012	0.000183	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000405U	0.012	0.000405	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201413	HA-7 (0-12)	Solid	04/19/2006 11:43	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/22/2006 21:27	JCK	321033

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.103	.095	mg/kg	92	84 - 118
1868-53-7	Dibromofluoromethane	.103	.114	mg/kg	111	65 - 135
2037-26-5	Toluene d8	.103	.103	mg/kg	100	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.103	.108	mg/kg	105	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201414	HA-7 (8-10)	Solid	04/19/2006 11:55	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	04/24/2006 15:25	ABD	321145

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.00455U	0.185	0.00455	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.00667U	0.185	0.00667	mg/kg
79-00-5	1,1,2-Trichloroethane	0.00422U	0.185	0.00422	mg/kg
75-34-3	1,1-Dichloroethane	0.00589U	0.185	0.00589	mg/kg
75-35-4	1,1-Dichloroethene	0.013U	0.185	0.013	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.012U	0.185	0.012	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.032U	0.185	0.032	mg/kg
106-93-4	1,2-Dibromoethane	0.00555U	0.185	0.00555	mg/kg
95-50-1	1,2-Dichlorobenzene	0.00422U	0.185	0.00422	mg/kg
107-06-2	1,2-Dichloroethane	0.00422U	0.185	0.00422	mg/kg
78-87-5	1,2-Dichloropropane	0.00415U	0.185	0.00415	mg/kg
541-73-1	1,3-Dichlorobenzene	0.00874U	0.185	0.00874	mg/kg
106-46-7	1,4-Dichlorobenzene	0.016U	0.185	0.016	mg/kg
78-93-3	2-Butanone	0.012U	0.185	0.012	mg/kg
591-78-6	2-Hexanone	0.031U	0.185	0.031	mg/kg
108-10-1	4-Methyl-2-pentanone	0.00641U	0.185	0.00641	mg/kg
67-64-1	Acetone	0.014U	0.926	0.014	mg/kg
71-43-2	Benzene	0.00385U	0.185	0.00385	mg/kg
75-27-4	Bromodichloromethane	0.00500U	0.185	0.00500	mg/kg
75-25-2	Bromoform	0.00626U	0.185	0.00626	mg/kg
74-83-9	Bromomethane	0.056U	0.185	0.056	mg/kg
75-15-0	Carbon disulfide	0.00404U	0.185	0.00404	mg/kg
56-23-5	Carbon tetrachloride	0.00444U	0.185	0.00444	mg/kg
108-90-7	Chlorobenzene	0.00611U	0.185	0.00611	mg/kg
75-00-3	Chloroethane	0.022U	0.185	0.022	mg/kg
67-66-3	Chloroform	0.00522U	0.185	0.00522	mg/kg
74-87-3	Chloromethane	0.017U	0.185	0.017	mg/kg
110-82-7	Cyclohexane	0.041U	0.185	0.041	mg/kg
124-48-1	Dibromochloromethane	0.00333U	0.185	0.00333	mg/kg
75-71-8	Dichlorodifluoromethane	0.013U	0.185	0.013	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.00426U	0.185	0.00426	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.00522U	0.185	0.00522	mg/kg
100-41-4	Ethylbenzene	0.00766U	0.185	0.00766	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.00567U	0.185	0.00567	mg/kg
79-20-9	Methyl Acetate	0.057U	0.185	0.057	mg/kg
108-87-2	Methylcyclohexane	0.014U	0.185	0.014	mg/kg
75-09-2	**Methylene chloride**	**0.061J**	**0.370**	**0.018**	**mg/kg**
100-42-5	Styrene	0.00563U	0.185	0.00563	mg/kg
127-18-4	Tetrachloroethene	0.00711U	0.185	0.00711	mg/kg
108-88-3	Toluene	0.020U	0.185	0.020	mg/kg
79-01-6	**Trichloroethene**	**0.069J**	**0.185**	**0.00655**	**mg/kg**
75-69-4	Trichlorofluoromethane	0.00933U	0.185	0.00933	mg/kg
76-13-1	Trichlorotrifluoroethane	0.00696U	0.185	0.00696	mg/kg
75-01-4	Vinyl chloride	0.013U	0.185	0.013	mg/kg
1330-20-7	Xylene (total)	0.021U	0.370	0.021	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.00467U	0.185	0.00467	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00274U	0.185	0.00274	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.00607U	0.185	0.00607	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201414	HA-7 (8-10)	Solid	04/19/2006 11:55	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	04/24/2006 15:25	ABD	321145

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1.49	1.49	mg/kg	100	84 - 118
1868-53-7	Dibromofluoromethane	1.49	1.36	mg/kg	91	65 - 135
2037-26-5	Toluene d8	1.49	1.59	mg/kg	106	84 - 116
17060-07-0	1,2-Dichloroethane-d4	1.49	1.31	mg/kg	88	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201415	HA-8 (0-12)	Solid	04/19/2006 12:00	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/22/2006 22:09	JCK	321033

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000170U	0.00692	0.000170	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.000249U	0.00692	0.000249	mg/kg
79-00-5	1,1,2-Trichloroethane	0.000158U	0.00692	0.000158	mg/kg
75-34-3	1,1-Dichloroethane	0.000220U	0.00692	0.000220	mg/kg
75-35-4	1,1-Dichloroethene	0.000497U	0.00692	0.000497	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.000453U	0.00692	0.000453	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.00120U	0.00692	0.00120	mg/kg
106-93-4	1,2-Dibromoethane	0.000208U	0.00692	0.000208	mg/kg
95-50-1	1,2-Dichlorobenzene	0.000158U	0.00692	0.000158	mg/kg
107-06-2	1,2-Dichloroethane	0.000158U	0.00692	0.000158	mg/kg
78-87-5	1,2-Dichloropropane	0.000155U	0.00692	0.000155	mg/kg
541-73-1	1,3-Dichlorobenzene	0.000327U	0.00692	0.000327	mg/kg
106-46-7	1,4-Dichlorobenzene	0.000583U	0.00692	0.000583	mg/kg
78-93-3	**2-Butanone**	**0.00153J**	**0.00692**	**0.000432**	**mg/kg**
591-78-6	2-Hexanone	0.00114U	0.00692	0.00114	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000239U	0.00692	0.000239	mg/kg
67-64-1	Acetone	0.000518U	0.035	0.000518	mg/kg
71-43-2	Benzene	0.000144U	0.00692	0.000144	mg/kg
75-27-4	Bromodichloromethane	0.000187U	0.00692	0.000187	mg/kg
75-25-2	Bromoform	0.000234U	0.00692	0.000234	mg/kg
74-83-9	Bromomethane	0.00208U	0.00692	0.00208	mg/kg
75-15-0	**Carbon disulfide**	**0.00299J**	**0.00692**	**0.000151**	**mg/kg**
56-23-5	Carbon tetrachloride	0.000166U	0.00692	0.000166	mg/kg
108-90-7	Chlorobenzene	0.000228U	0.00692	0.000228	mg/kg
75-00-3	Chloroethane	0.000839U	0.00692	0.000839	mg/kg
67-66-3	Chloroform	0.000195U	0.00692	0.000195	mg/kg
74-87-3	Chloromethane	0.000642U	0.00692	0.000642	mg/kg
110-82-7	Cyclohexane	0.00153U	0.00692	0.00153	mg/kg
124-48-1	Dibromochloromethane	0.000125U	0.00692	0.000125	mg/kg
75-71-8	Dichlorodifluoromethane	0.000504U	0.00692	0.000504	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.000159U	0.00692	0.000159	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000195U	0.00692	0.000195	mg/kg
100-41-4	Ethylbenzene	0.000287U	0.00692	0.000287	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000212U	0.00692	0.000212	mg/kg
79-20-9	Methyl Acetate	0.00212U	0.00692	0.00212	mg/kg
108-87-2	Methylcyclohexane	0.000512U	0.00692	0.000512	mg/kg
75-09-2	Methylene chloride	0.000663U	0.014	0.000663	mg/kg
100-42-5	Styrene	0.000210U	0.00692	0.000210	mg/kg
127-18-4	Tetrachloroethene	0.000266U	0.00692	0.000266	mg/kg
108-88-3	Toluene	0.000761U	0.00692	0.000761	mg/kg
79-01-6	**Trichloroethene**	**0.00286J**	**0.00692**	**0.000245**	**mg/kg**
75-69-4	Trichlorofluoromethane	0.000349U	0.00692	0.000349	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000260U	0.00692	0.000260	mg/kg
75-01-4	Vinyl chloride	0.000486U	0.00692	0.000486	mg/kg
1330-20-7	Xylene (total)	0.000792U	0.014	0.000792	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000174U	0.00692	0.000174	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.000102U	0.00692	0.000102	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000227U	0.00692	0.000227	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201415	HA-8 (0-12)	Solid	04/19/2006 12:00	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/22/2006 22:09	JCK	321033

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.062	.053	mg/kg	85	84 - 118
1868-53-7	Dibromofluoromethane	.062	.067	mg/kg	108	65 - 135
2037-26-5	Toluene d8	.062	.059	mg/kg	96	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.062	.063	mg/kg	102	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201416	HA-8 (8-10)	Solid	04/19/2006 12:10	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	04/24/2006 13:55	ABD	321145

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.00693U	0.282	0.00693	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.010U	0.282	0.010	mg/kg
79-00-5	1,1,2-Trichloroethane	0.00642U	0.282	0.00642	mg/kg
75-34-3	1,1-Dichloroethane	0.00896U	0.282	0.00896	mg/kg
75-35-4	1,1-Dichloroethene	0.020U	0.282	0.020	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.018U	0.282	0.018	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.049U	0.282	0.049	mg/kg
106-93-4	1,2-Dibromoethane	0.00845U	0.282	0.00845	mg/kg
95-50-1	1,2-Dichlorobenzene	0.00642U	0.282	0.00642	mg/kg
107-06-2	1,2-Dichloroethane	0.00642U	0.282	0.00642	mg/kg
78-87-5	1,2-Dichloropropane	0.00631U	0.282	0.00631	mg/kg
541-73-1	1,3-Dichlorobenzene	0.013U	0.282	0.013	mg/kg
106-46-7	1,4-Dichlorobenzene	0.024U	0.282	0.024	mg/kg
78-93-3	2-Butanone	0.018U	0.282	0.018	mg/kg
591-78-6	2-Hexanone	0.047U	0.282	0.047	mg/kg
108-10-1	4-Methyl-2-pentanone	0.00975U	0.282	0.00975	mg/kg
67-64-1	Acetone	0.021U	1.41	0.021	mg/kg
71-43-2	Benzene	0.00586U	0.282	0.00586	mg/kg
75-27-4	Bromodichloromethane	0.00761U	0.282	0.00761	mg/kg
75-25-2	Bromoform	0.00952U	0.282	0.00952	mg/kg
74-83-9	Bromomethane	0.085U	0.282	0.085	mg/kg
75-15-0	Carbon disulfide	0.00614U	0.282	0.00614	mg/kg
56-23-5	Carbon tetrachloride	0.00676U	0.282	0.00676	mg/kg
108-90-7	Chlorobenzene	0.00930U	0.282	0.00930	mg/kg
75-00-3	Chloroethane	0.034U	0.282	0.034	mg/kg
67-66-3	Chloroform	0.00795U	0.282	0.00795	mg/kg
74-87-3	Chloromethane	0.026U	0.282	0.026	mg/kg
110-82-7	Cyclohexane	0.062U	0.282	0.062	mg/kg
124-48-1	Dibromochloromethane	0.00507U	0.282	0.00507	mg/kg
75-71-8	Dichlorodifluoromethane	0.021U	0.282	0.021	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.00648U	0.282	0.00648	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.00795U	0.282	0.00795	mg/kg
100-41-4	Ethylbenzene	0.012U	0.282	0.012	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.00862U	0.282	0.00862	mg/kg
79-20-9	Methyl Acetate	0.086U	0.282	0.086	mg/kg
108-87-2	Methylcyclohexane	0.021U	0.282	0.021	mg/kg
75-09-2	**Methylene chloride**	**0.106J**	**0.564**	**0.027**	**mg/kg**
100-42-5	Styrene	0.00857U	0.282	0.00857	mg/kg
127-18-4	Tetrachloroethene	0.011U	0.282	0.011	mg/kg
108-88-3	Toluene	0.031U	0.282	0.031	mg/kg
79-01-6	Trichloroethene	0.00998U	0.282	0.00998	mg/kg
75-69-4	Trichlorofluoromethane	0.014U	0.282	0.014	mg/kg
76-13-1	Trichlorotrifluoroethane	0.011U	0.282	0.011	mg/kg
75-01-4	Vinyl chloride	0.020U	0.282	0.020	mg/kg
1330-20-7	Xylene (total)	0.032U	0.564	0.032	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.00710U	0.282	0.00710	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00417U	0.282	0.00417	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.00924U	0.282	0.00924	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201416	HA-8 (8-10)	Solid	04/19/2006 12:10	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	04/24/2006 13:55	ABD	321145

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2.29	2.33	mg/kg	102	84 - 118
1868-53-7	Dibromofluoromethane	2.29	2.11	mg/kg	92	65 - 135
2037-26-5	Toluene d8	2.29	2.43	mg/kg	106	84 - 116
17060-07-0	1,2-Dichloroethane-d4	2.29	2.01	mg/kg	88	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201417	HA-9 (0-12)	Solid	04/19/2006 12:20	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/23/2006 16:01	AJV	321078

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000249U	0.010	0.000249	mg/kg
79-00-5	1,1,2-Trichloroethane	0.000231U	0.010	0.000231	mg/kg
75-34-3	1,1-Dichloroethane	0.000322U	0.010	0.000322	mg/kg
75-35-4	1,1-Dichloroethene	0.000728U	0.010	0.000728	mg/kg
106-93-4	1,2-Dibromoethane	0.000304U	0.010	0.000304	mg/kg
107-06-2	1,2-Dichloroethane	0.000231U	0.010	0.000231	mg/kg
78-87-5	1,2-Dichloropropane	0.000227U	0.010	0.000227	mg/kg
78-93-3	**2-Butanone**	**0.00249J**	**0.010**	**0.000632**	**mg/kg**
591-78-6	2-Hexanone	0.00167U	0.010	0.00167	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000351U	0.010	0.000351	mg/kg
67-64-1	**Acetone**	**0.065**	**0.051**	**0.000758**	**mg/kg**
71-43-2	**Benzene**	**0.00218J**	**0.010**	**0.000211**	**mg/kg**
75-27-4	Bromodichloromethane	0.000274U	0.010	0.000274	mg/kg
75-25-2	Bromoform	0.000343U	0.010	0.000343	mg/kg
74-83-9	Bromomethane	0.00305U	0.010	0.00305	mg/kg
75-15-0	Carbon disulfide	0.000221U	0.010	0.000221	mg/kg
56-23-5	Carbon tetrachloride	0.000243U	0.010	0.000243	mg/kg
108-90-7	Chlorobenzene	0.000334U	0.010	0.000334	mg/kg
75-00-3	Chloroethane	0.00123U	0.010	0.00123	mg/kg
67-66-3	Chloroform	0.000286U	0.010	0.000286	mg/kg
74-87-3	Chloromethane	0.000940U	0.010	0.000940	mg/kg
110-82-7	Cyclohexane	0.00224U	0.010	0.00224	mg/kg
124-48-1	Dibromochloromethane	0.000182U	0.010	0.000182	mg/kg
75-71-8	Dichlorodifluoromethane	0.000738U	0.010	0.000738	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.000233U	0.010	0.000233	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000286U	0.010	0.000286	mg/kg
100-41-4	Ethylbenzene	0.000420U	0.010	0.000420	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000310U	0.010	0.000310	mg/kg
79-20-9	Methyl Acetate	0.00310U	0.010	0.00310	mg/kg
108-87-2	Methylcyclohexane	0.000750U	0.010	0.000750	mg/kg
75-09-2	Methylene chloride	0.000971U	0.020	0.000971	mg/kg
100-42-5	Styrene	0.000308U	0.010	0.000308	mg/kg
127-18-4	Tetrachloroethene	0.000389U	0.010	0.000389	mg/kg
108-88-3	**Toluene**	**0.00348J**	**0.010**	**0.00111**	**mg/kg**
79-01-6	Trichloroethene	0.000359U	0.010	0.000359	mg/kg
75-69-4	Trichlorofluoromethane	0.000511U	0.010	0.000511	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000381U	0.010	0.000381	mg/kg
75-01-4	Vinyl chloride	0.000711U	0.010	0.000711	mg/kg
1330-20-7	Xylene (total)	0.00116U	0.020	0.00116	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000255U	0.010	0.000255	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.000150U	0.010	0.000150	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000332U	0.010	0.000332	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201417	HA-9 (0-12)	Solid	04/19/2006 12:20	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/23/2006 16:01	AJV	321078

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.091	.065	mg/kg	**71***	84 - 118
1868-53-7	Dibromofluoromethane	.091	.098	mg/kg	108	65 - 135
2037-26-5	Toluene d8	.091	.123	mg/kg	**136***	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.091	.09	mg/kg	99	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201417	HA-9 (0-12)	Solid	04/19/2006 12:20	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	04/24/2006 15:03	ABD	321145

CAS#	Parameter	Result	RDL	MDL	Units
79-34-5	1,1,2,2-Tetrachloroethane	0.017U	0.486	0.017	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.032U	0.486	0.032	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.084U	0.486	0.084	mg/kg
95-50-1	1,2-Dichlorobenzene	0.011U	0.486	0.011	mg/kg
541-73-1	1,3-Dichlorobenzene	0.023U	0.486	0.023	mg/kg
106-46-7	1,4-Dichlorobenzene	0.041U	0.486	0.041	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	4.34	4.39	mg/kg	101	84 - 118
1868-53-7	Dibromofluoromethane	4.34	4	mg/kg	92	65 - 135
2037-26-5	Toluene d8	4.34	4.69	mg/kg	108	84 - 116
17060-07-0	1,2-Dichloroethane-d4	4.34	3.75	mg/kg	86	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201418	HA-9 (8-10)	Solid	04/19/2006 12:25	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	04/24/2006 14:17	ABD	321145

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.00835U	0.339	0.00835	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.012U	0.339	0.012	mg/kg
79-00-5	1,1,2-Trichloroethane	0.00774U	0.339	0.00774	mg/kg
75-34-3	1,1-Dichloroethane	0.011U	0.339	0.011	mg/kg
75-35-4	1,1-Dichloroethene	0.024U	0.339	0.024	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.022U	0.339	0.022	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.059U	0.339	0.059	mg/kg
106-93-4	1,2-Dibromoethane	0.010U	0.339	0.010	mg/kg
95-50-1	1,2-Dichlorobenzene	0.00774U	0.339	0.00774	mg/kg
107-06-2	1,2-Dichloroethane	0.00774U	0.339	0.00774	mg/kg
78-87-5	1,2-Dichloropropane	0.00760U	0.339	0.00760	mg/kg
541-73-1	1,3-Dichlorobenzene	0.016U	0.339	0.016	mg/kg
106-46-7	1,4-Dichlorobenzene	0.029U	0.339	0.029	mg/kg
78-93-3	2-Butanone	0.021U	0.339	0.021	mg/kg
591-78-6	2-Hexanone	0.056U	0.339	0.056	mg/kg
108-10-1	4-Methyl-2-pentanone	0.012U	0.339	0.012	mg/kg
67-64-1	Acetone	0.025U	1.70	0.025	mg/kg
71-43-2	Benzene	0.00706U	0.339	0.00706	mg/kg
75-27-4	Bromodichloromethane	0.00916U	0.339	0.00916	mg/kg
75-25-2	Bromoform	0.011U	0.339	0.011	mg/kg
74-83-9	Bromomethane	0.102U	0.339	0.102	mg/kg
75-15-0	Carbon disulfide	0.00740U	0.339	0.00740	mg/kg
56-23-5	Carbon tetrachloride	0.00814U	0.339	0.00814	mg/kg
108-90-7	Chlorobenzene	0.011U	0.339	0.011	mg/kg
75-00-3	Chloroethane	0.041U	0.339	0.041	mg/kg
67-66-3	Chloroform	0.00957U	0.339	0.00957	mg/kg
74-87-3	Chloromethane	0.031U	0.339	0.031	mg/kg
110-82-7	Cyclohexane	0.075U	0.339	0.075	mg/kg
124-48-1	Dibromochloromethane	0.00611U	0.339	0.00611	mg/kg
75-71-8	Dichlorodifluoromethane	0.025U	0.339	0.025	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.00780U	0.339	0.00780	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.00957U	0.339	0.00957	mg/kg
100-41-4	Ethylbenzene	0.014U	0.339	0.014	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.010U	0.339	0.010	mg/kg
79-20-9	Methyl Acetate	0.104U	0.339	0.104	mg/kg
108-87-2	Methylcyclohexane	0.025U	0.339	0.025	mg/kg
75-09-2	**Methylene chloride**	**0.117J**	**0.679**	**0.033**	**mg/kg**
100-42-5	Styrene	0.010U	0.339	0.010	mg/kg
127-18-4	Tetrachloroethene	0.013U	0.339	0.013	mg/kg
108-88-3	Toluene	0.037U	0.339	0.037	mg/kg
79-01-6	Trichloroethene	0.012U	0.339	0.012	mg/kg
75-69-4	Trichlorofluoromethane	0.017U	0.339	0.017	mg/kg
76-13-1	Trichlorotrifluoroethane	0.013U	0.339	0.013	mg/kg
75-01-4	Vinyl chloride	0.024U	0.339	0.024	mg/kg
1330-20-7	Xylene (total)	0.039U	0.679	0.039	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.00855U	0.339	0.00855	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00502U	0.339	0.00502	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.011U	0.339	0.011	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201418	HA-9 (8-10)	Solid	04/19/2006 12:25	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	04/24/2006 14:17	ABD	321145

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2.69	2.72	mg/kg	101	84 - 118
1868-53-7	Dibromofluoromethane	2.69	2.47	mg/kg	92	65 - 135
2037-26-5	Toluene d8	2.69	2.83	mg/kg	105	84 - 116
17060-07-0	1,2-Dichloroethane-d4	2.69	2.33	mg/kg	87	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201419	HA-10 (0-12)	Solid	04/19/2006 12:30	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/23/2006 20:11	AJV	321078

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000185U	0.00754	0.000185	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.000271U	0.00754	0.000271	mg/kg
79-00-5	1,1,2-Trichloroethane	0.000172U	0.00754	0.000172	mg/kg
75-34-3	1,1-Dichloroethane	0.000240U	0.00754	0.000240	mg/kg
75-35-4	1,1-Dichloroethene	0.000541U	0.00754	0.000541	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.000493U	0.00754	0.000493	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.00131U	0.00754	0.00131	mg/kg
106-93-4	1,2-Dibromoethane	0.000226U	0.00754	0.000226	mg/kg
95-50-1	1,2-Dichlorobenzene	0.000172U	0.00754	0.000172	mg/kg
107-06-2	1,2-Dichloroethane	0.000172U	0.00754	0.000172	mg/kg
78-87-5	1,2-Dichloropropane	0.000169U	0.00754	0.000169	mg/kg
541-73-1	1,3-Dichlorobenzene	0.000356U	0.00754	0.000356	mg/kg
106-46-7	1,4-Dichlorobenzene	0.000635U	0.00754	0.000635	mg/kg
78-93-3	**2-Butanone**	**0.00291J**	**0.00754**	**0.000471**	**mg/kg**
591-78-6	2-Hexanone	0.00125U	0.00754	0.00125	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000261U	0.00754	0.000261	mg/kg
67-64-1	**Acetone**	**0.054**	**0.038**	**0.000564**	**mg/kg**
71-43-2	Benzene	0.000157U	0.00754	0.000157	mg/kg
75-27-4	Bromodichloromethane	0.000204U	0.00754	0.000204	mg/kg
75-25-2	Bromoform	0.000255U	0.00754	0.000255	mg/kg
74-83-9	Bromomethane	0.00227U	0.00754	0.00227	mg/kg
75-15-0	**Carbon disulfide**	**0.00441J**	**0.00754**	**0.000164**	**mg/kg**
56-23-5	Carbon tetrachloride	0.000181U	0.00754	0.000181	mg/kg
108-90-7	Chlorobenzene	0.000249U	0.00754	0.000249	mg/kg
75-00-3	Chloroethane	0.000914U	0.00754	0.000914	mg/kg
67-66-3	Chloroform	0.000213U	0.00754	0.000213	mg/kg
74-87-3	Chloromethane	0.000700U	0.00754	0.000700	mg/kg
110-82-7	Cyclohexane	0.00167U	0.00754	0.00167	mg/kg
124-48-1	Dibromochloromethane	0.000136U	0.00754	0.000136	mg/kg
75-71-8	Dichlorodifluoromethane	0.000549U	0.00754	0.000549	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.000173U	0.00754	0.000173	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000213U	0.00754	0.000213	mg/kg
100-41-4	Ethylbenzene	0.000312U	0.00754	0.000312	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000231U	0.00754	0.000231	mg/kg
79-20-9	Methyl Acetate	0.00231U	0.00754	0.00231	mg/kg
108-87-2	Methylcyclohexane	0.000558U	0.00754	0.000558	mg/kg
75-09-2	Methylene chloride	0.000722U	0.015	0.000722	mg/kg
100-42-5	Styrene	0.000229U	0.00754	0.000229	mg/kg
127-18-4	**Tetrachloroethene**	**0.00154J**	**0.00754**	**0.000290**	**mg/kg**
108-88-3	Toluene	0.000829U	0.00754	0.000829	mg/kg
79-01-6	Trichloroethene	0.000267U	0.00754	0.000267	mg/kg
75-69-4	Trichlorofluoromethane	0.000380U	0.00754	0.000380	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000284U	0.00754	0.000284	mg/kg
75-01-4	Vinyl chloride	0.000529U	0.00754	0.000529	mg/kg
1330-20-7	Xylene (total)	0.000863U	0.015	0.000863	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000190U	0.00754	0.000190	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.000112U	0.00754	0.000112	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000247U	0.00754	0.000247	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201419	HA-10 (0-12)	Solid	04/19/2006 12:30	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/23/2006 20:11	AJV	321078

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.066	.057	mg/kg	86	84 - 118
1868-53-7	Dibromofluoromethane	.066	.063	mg/kg	95	65 - 135
2037-26-5	Toluene d8	.066	.082	mg/kg	**123***	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.066	.064	mg/kg	96	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201420	HA-10 (8-10)	Solid	04/19/2006 12:45	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/23/2006 20:32	JCK	321078

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000102U	0.00413	0.000102	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.000149U	0.00413	0.000149	mg/kg
79-00-5	1,1,2-Trichloroethane	0.0000942U	0.00413	0.0000942	mg/kg
75-34-3	1,1-Dichloroethane	0.000131U	0.00413	0.000131	mg/kg
75-35-4	1,1-Dichloroethene	0.000297U	0.00413	0.000297	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.000270U	0.00413	0.000270	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.000716U	0.00413	0.000716	mg/kg
106-93-4	1,2-Dibromoethane	0.000124U	0.00413	0.000124	mg/kg
95-50-1	1,2-Dichlorobenzene	0.0000942U	0.00413	0.0000942	mg/kg
107-06-2	1,2-Dichloroethane	0.0000942U	0.00413	0.0000942	mg/kg
78-87-5	1,2-Dichloropropane	0.0000925U	0.00413	0.0000925	mg/kg
541-73-1	1,3-Dichlorobenzene	0.000195U	0.00413	0.000195	mg/kg
106-46-7	1,4-Dichlorobenzene	0.000348U	0.00413	0.000348	mg/kg
78-93-3	2-Butanone	0.000258U	0.00413	0.000258	mg/kg
591-78-6	2-Hexanone	0.000682U	0.00413	0.000682	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000143U	0.00413	0.000143	mg/kg
67-64-1	**Acetone**	**0.00215J**	**0.021**	**0.000309**	**mg/kg**
71-43-2	Benzene	0.0000859U	0.00413	0.0000859	mg/kg
75-27-4	Bromodichloromethane	0.000112U	0.00413	0.000112	mg/kg
75-25-2	Bromoform	0.000140U	0.00413	0.000140	mg/kg
74-83-9	Bromomethane	0.00124U	0.00413	0.00124	mg/kg
75-15-0	Carbon disulfide	0.0000901U	0.00413	0.0000901	mg/kg
56-23-5	Carbon tetrachloride	0.0000992U	0.00413	0.0000992	mg/kg
108-90-7	Chlorobenzene	0.000136U	0.00413	0.000136	mg/kg
75-00-3	Chloroethane	0.000501U	0.00413	0.000501	mg/kg
67-66-3	Chloroform	0.000117U	0.00413	0.000117	mg/kg
74-87-3	Chloromethane	0.000383U	0.00413	0.000383	mg/kg
110-82-7	Cyclohexane	0.000914U	0.00413	0.000914	mg/kg
124-48-1	Dibromochloromethane	0.0000744U	0.00413	0.0000744	mg/kg
75-71-8	Dichlorodifluoromethane	0.000301U	0.00413	0.000301	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.0000950U	0.00413	0.0000950	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000117U	0.00413	0.000117	mg/kg
100-41-4	Ethylbenzene	0.000171U	0.00413	0.000171	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000126U	0.00413	0.000126	mg/kg
79-20-9	Methyl Acetate	0.00126U	0.00413	0.00126	mg/kg
108-87-2	Methylcyclohexane	0.000306U	0.00413	0.000306	mg/kg
75-09-2	Methylene chloride	0.000396U	0.00826	0.000396	mg/kg
100-42-5	Styrene	0.000126U	0.00413	0.000126	mg/kg
127-18-4	Tetrachloroethene	0.000159U	0.00413	0.000159	mg/kg
108-88-3	Toluene	0.000454U	0.00413	0.000454	mg/kg
79-01-6	Trichloroethene	0.000146U	0.00413	0.000146	mg/kg
75-69-4	Trichlorofluoromethane	0.000208U	0.00413	0.000208	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000155U	0.00413	0.000155	mg/kg
75-01-4	Vinyl chloride	0.000290U	0.00413	0.000290	mg/kg
1330-20-7	Xylene (total)	0.000473U	0.00826	0.000473	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000104U	0.00413	0.000104	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.0000611U	0.00413	0.0000611	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000136U	0.00413	0.000136	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201420	HA-10 (8-10)	Solid	04/19/2006 12:45	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/23/2006 20:32	JCK	321078

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.031	.031	mg/kg	100	84 - 118
1868-53-7	Dibromofluoromethane	.031	.029	mg/kg	93	65 - 135
2037-26-5	Toluene d8	.031	.035	mg/kg	112	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.031	.028	mg/kg	91	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201421	DUP	Solid	04/19/2006 00:00	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/23/2006 17:24	AJV	321078

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000274U	0.011	0.000274	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.000401U	0.011	0.000401	mg/kg
79-00-5	1,1,2-Trichloroethane	0.000254U	0.011	0.000254	mg/kg
75-34-3	1,1-Dichloroethane	0.000354U	0.011	0.000354	mg/kg
75-35-4	1,1-Dichloroethene	0.000800U	0.011	0.000800	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.000729U	0.011	0.000729	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.00193U	0.011	0.00193	mg/kg
106-93-4	1,2-Dibromoethane	0.000334U	0.011	0.000334	mg/kg
95-50-1	1,2-Dichlorobenzene	0.000254U	0.011	0.000254	mg/kg
107-06-2	1,2-Dichloroethane	0.000254U	0.011	0.000254	mg/kg
78-87-5	1,2-Dichloropropane	0.000250U	0.011	0.000250	mg/kg
541-73-1	1,3-Dichlorobenzene	0.000526U	0.011	0.000526	mg/kg
106-46-7	1,4-Dichlorobenzene	0.000938U	0.011	0.000938	mg/kg
78-93-3	**2-Butanone**	**0.00440J**	**0.011**	**0.000695**	**mg/kg**
591-78-6	2-Hexanone	0.00184U	0.011	0.00184	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000386U	0.011	0.000386	mg/kg
67-64-1	**Acetone**	**0.040J**	**0.056**	**0.000834**	**mg/kg**
71-43-2	**Benzene**	**0.00514J**	**0.011**	**0.000232**	**mg/kg**
75-27-4	Bromodichloromethane	0.000301U	0.011	0.000301	mg/kg
75-25-2	Bromoform	0.000377U	0.011	0.000377	mg/kg
74-83-9	Bromomethane	0.00335U	0.011	0.00335	mg/kg
75-15-0	Carbon disulfide	0.000243U	0.011	0.000243	mg/kg
56-23-5	Carbon tetrachloride	0.000267U	0.011	0.000267	mg/kg
108-90-7	Chlorobenzene	0.000368U	0.011	0.000368	mg/kg
75-00-3	Chloroethane	0.00135U	0.011	0.00135	mg/kg
67-66-3	Chloroform	0.000314U	0.011	0.000314	mg/kg
74-87-3	Chloromethane	0.00103U	0.011	0.00103	mg/kg
110-82-7	Cyclohexane	0.00246U	0.011	0.00246	mg/kg
124-48-1	Dibromochloromethane	0.000201U	0.011	0.000201	mg/kg
75-71-8	Dichlorodifluoromethane	0.000811U	0.011	0.000811	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.000256U	0.011	0.000256	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000314U	0.011	0.000314	mg/kg
100-41-4	Ethylbenzene	0.000461U	0.011	0.000461	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000341U	0.011	0.000341	mg/kg
79-20-9	Methyl Acetate	0.00341U	0.011	0.00341	mg/kg
108-87-2	Methylcyclohexane	0.000825U	0.011	0.000825	mg/kg
75-09-2	Methylene chloride	0.00107U	0.022	0.00107	mg/kg
100-42-5	Styrene	0.000339U	0.011	0.000339	mg/kg
127-18-4	Tetrachloroethene	0.000428U	0.011	0.000428	mg/kg
108-88-3	Toluene	0.00123U	0.011	0.00123	mg/kg
79-01-6	Trichloroethene	0.000394U	0.011	0.000394	mg/kg
75-69-4	Trichlorofluoromethane	0.000562U	0.011	0.000562	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000419U	0.011	0.000419	mg/kg
75-01-4	Vinyl chloride	0.000782U	0.011	0.000782	mg/kg
1330-20-7	Xylene (total)	0.00127U	0.022	0.00127	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000281U	0.011	0.000281	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.000165U	0.011	0.000165	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000366U	0.011	0.000366	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201421	DUP	Solid	04/19/2006 00:00	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/23/2006 17:24	AJV	321078

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.102	.087	mg/kg	86	84 - 118
1868-53-7	Dibromofluoromethane	.102	.106	mg/kg	104	65 - 135
2037-26-5	Toluene d8	.102	.118	mg/kg	116	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.102	.097	mg/kg	95	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201422	MS HA-2 (0-12)	Solid	04/19/2006 00:00	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	04/23/2006 11:37	VWM	321050

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.982	0.239	0.00588	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	1.12	0.239	0.00861	mg/kg
79-00-5	1,1,2-Trichloroethane	1.21	0.239	0.00545	mg/kg
75-34-3	1,1-Dichloroethane	1.18	0.239	0.00760	mg/kg
75-35-4	1,1-Dichloroethene	1.29	0.239	0.017	mg/kg
120-82-1	1,2,4-Trichlorobenzene	1.27	0.239	0.016	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.903	0.239	0.041	mg/kg
106-93-4	1,2-Dibromoethane	1.21	0.239	0.00717	mg/kg
95-50-1	1,2-Dichlorobenzene	1.20	0.239	0.00545	mg/kg
107-06-2	1,2-Dichloroethane	1.10	0.239	0.00545	mg/kg
78-87-5	1,2-Dichloropropane	1.21	0.239	0.00535	mg/kg
541-73-1	1,3-Dichlorobenzene	1.22	0.239	0.011	mg/kg
106-46-7	1,4-Dichlorobenzene	1.21	0.239	0.020	mg/kg
78-93-3	2-Butanone	1.16	0.239	0.015	mg/kg
591-78-6	2-Hexanone	1.12	0.239	0.039	mg/kg
108-10-1	4-Methyl-2-pentanone	1.02	0.239	0.00827	mg/kg
67-64-1	Acetone	1.03J	1.20	0.018	mg/kg
71-43-2	Benzene	1.22	0.239	0.00497	mg/kg
75-27-4	Bromodichloromethane	0.982	0.239	0.00645	mg/kg
75-25-2	Bromoform	0.990	0.239	0.00808	mg/kg
74-83-9	Bromomethane	0.213J	0.239	0.072	mg/kg
75-15-0	Carbon disulfide	1.08	0.239	0.00521	mg/kg
56-23-5	Carbon tetrachloride	0.910	0.239	0.00574	mg/kg
108-90-7	Chlorobenzene	1.22	0.239	0.00789	mg/kg
75-00-3	Chloroethane	0.224J	0.239	0.029	mg/kg
67-66-3	Chloroform	1.21	0.239	0.00674	mg/kg
74-87-3	Chloromethane	0.845	0.239	0.022	mg/kg
110-82-7	Cyclohexane	1.29	0.239	0.053	mg/kg
124-48-1	Dibromochloromethane	1.00	0.239	0.00430	mg/kg
75-71-8	Dichlorodifluoromethane	1.24	0.239	0.017	mg/kg
10061-01-5	cis-1,3-Dichloropropene	1.03	0.239	0.00550	mg/kg
10061-02-6	trans-1,3-Dichloropropene	1.04	0.239	0.00674	mg/kg
100-41-4	Ethylbenzene	1.35	0.239	0.00990	mg/kg
98-82-8	Isopropylbenzene (Cumene)	1.37	0.239	0.00731	mg/kg
79-20-9	Methyl Acetate	1.24	0.239	0.073	mg/kg
108-87-2	Methylcyclohexane	1.23	0.239	0.018	mg/kg
75-09-2	Methylene chloride	1.01	0.478	0.023	mg/kg
100-42-5	Styrene	1.35	0.239	0.00727	mg/kg
127-18-4	Tetrachloroethene	1.24	0.239	0.00918	mg/kg
108-88-3	Toluene	1.36	0.239	0.026	mg/kg
79-01-6	Trichloroethene	1.72	0.239	0.00846	mg/kg
75-69-4	Trichlorofluoromethane	1.10	0.239	0.012	mg/kg
76-13-1	Trichlorotrifluoroethane	1.24	0.239	0.00899	mg/kg
75-01-4	Vinyl chloride	0.285	0.239	0.017	mg/kg
1330-20-7	Xylene (total)	4.02	0.478	0.027	mg/kg
156-59-2	cis-1,2-Dichloroethene	1.19	0.239	0.00602	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	1.18	0.239	0.00354	mg/kg
156-60-5	trans-1,2-Dichloroethene	1.14	0.239	0.00784	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201422	MS HA-2 (0-12)	Solid	04/19/2006 00:00	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	04/23/2006 11:37	VWM	321050

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2.09	2.18	mg/kg	104	84 - 118
1868-53-7	Dibromofluoromethane	2.09	2.04	mg/kg	97	65 - 135
2037-26-5	Toluene d8	2.09	2.2	mg/kg	105	84 - 116
17060-07-0	1,2-Dichloroethane-d4	2.09	1.74	mg/kg	83	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201423	MSD HA-2 (0-12)	Solid	04/19/2006 00:00	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	04/23/2006 12:25	VWM	321050

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	1.61	0.402	0.00989	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	1.96	0.402	0.014	mg/kg
79-00-5	1,1,2-Trichloroethane	2.10	0.402	0.00916	mg/kg
75-34-3	1,1-Dichloroethane	1.96	0.402	0.013	mg/kg
75-35-4	1,1-Dichloroethene	2.14	0.402	0.029	mg/kg
120-82-1	1,2,4-Trichlorobenzene	2.25	0.402	0.026	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	1.70	0.402	0.070	mg/kg
106-93-4	1,2-Dibromoethane	2.10	0.402	0.012	mg/kg
95-50-1	1,2-Dichlorobenzene	2.04	0.402	0.00916	mg/kg
107-06-2	1,2-Dichloroethane	1.92	0.402	0.00916	mg/kg
78-87-5	1,2-Dichloropropane	2.03	0.402	0.00900	mg/kg
541-73-1	1,3-Dichlorobenzene	2.07	0.402	0.019	mg/kg
106-46-7	1,4-Dichlorobenzene	1.98	0.402	0.034	mg/kg
78-93-3	2-Butanone	1.99	0.402	0.025	mg/kg
591-78-6	2-Hexanone	0.634	0.402	0.066	mg/kg
108-10-1	4-Methyl-2-pentanone	1.85	0.402	0.014	mg/kg
67-64-1	Acetone	1.96J	2.01	0.030	mg/kg
71-43-2	Benzene	1.99	0.402	0.00836	mg/kg
75-27-4	Bromodichloromethane	1.68	0.402	0.011	mg/kg
75-25-2	Bromoform	1.75	0.402	0.014	mg/kg
74-83-9	Bromomethane	0.365J	0.402	0.121	mg/kg
75-15-0	Carbon disulfide	1.88	0.402	0.00876	mg/kg
56-23-5	Carbon tetrachloride	1.53	0.402	0.00965	mg/kg
108-90-7	Chlorobenzene	2.01	0.402	0.013	mg/kg
75-00-3	Chloroethane	0.329J	0.402	0.049	mg/kg
67-66-3	Chloroform	2.01	0.402	0.011	mg/kg
74-87-3	Chloromethane	1.45	0.402	0.037	mg/kg
110-82-7	Cyclohexane	2.14	0.402	0.089	mg/kg
124-48-1	Dibromochloromethane	1.75	0.402	0.00724	mg/kg
75-71-8	Dichlorodifluoromethane	1.97	0.402	0.029	mg/kg
10061-01-5	cis-1,3-Dichloropropene	2.08	0.402	0.00925	mg/kg
10061-02-6	trans-1,3-Dichloropropene	1.83	0.402	0.011	mg/kg
100-41-4	Ethylbenzene	2.21	0.402	0.017	mg/kg
98-82-8	Isopropylbenzene (Cumene)	2.27	0.402	0.012	mg/kg
79-20-9	Methyl Acetate	2.27	0.402	0.123	mg/kg
108-87-2	Methylcyclohexane	2.53	0.402	0.030	mg/kg
75-09-2	Methylene chloride	1.69	0.804	0.039	mg/kg
100-42-5	Styrene	2.27	0.402	0.012	mg/kg
127-18-4	Tetrachloroethene	2.09	0.402	0.015	mg/kg
108-88-3	Toluene	2.24	0.402	0.044	mg/kg
79-01-6	Trichloroethene	2.88	0.402	0.014	mg/kg
75-69-4	Trichlorofluoromethane	1.77	0.402	0.020	mg/kg
76-13-1	Trichlorotrifluoroethane	1.98	0.402	0.015	mg/kg
75-01-4	Vinyl chloride	0.469	0.402	0.028	mg/kg
1330-20-7	Xylene (total)	6.66	0.804	0.046	mg/kg
156-59-2	cis-1,2-Dichloroethene	1.94	0.402	0.010	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	2.10	0.402	0.00595	mg/kg
156-60-5	trans-1,2-Dichloroethene	1.88	0.402	0.013	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604201423	MSD HA-2 (0-12)	Solid	04/19/2006 00:00	04/20/2006 09:35

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	04/23/2006 12:25	VWM	321050

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	3.41	3.58	mg/kg	105	84 - 118
1868-53-7	Dibromofluoromethane	3.41	3.28	mg/kg	96	65 - 135
2037-26-5	Toluene d8	3.41	3.59	mg/kg	105	84 - 116
17060-07-0	1,2-Dichloroethane-d4	3.41	2.82	mg/kg	83	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GC/MS Volatiles Quality Control Summary

Analytical Batch 320927	**Client ID**	MB320927	LCS320927	LCSD320927
Prep Batch N/A	**GCAL ID**	360955	360956	360957
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	04/21/2006 16:25	04/21/2006 14:34	04/21/2006 14:54
	Matrix	Solid	Solid	Solid

8260B, Volatiles		**Units**	mg/kg	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
100-41-4	Ethylbenzene	0.000207U	0.000207	0.025	0.026	106	74 - 127	0.026	104	0	30
100-42-5	Styrene	0.000152U	0.000152	0.025	0.026	106	74 - 128	0.026	106	0	30
10061-01-5	cis-1,3-Dichloropropene	0.000115U	0.000115	0.025	0.024	96	72 - 126	0.025	100	4	30
10061-02-6	trans-1,3-Dichloropropene	0.000141U	0.000141	0.025	0.025	99	65 - 127	0.026	103	4	30
106-46-7	1,4-Dichlorobenzene	0.000421U	0.000421	0.025	0.026	104	72 - 125	0.025	102	4	30
106-93-4	1,2-Dibromoethane	0.000150U	0.000150	0.025	0.024	96	70 - 124	0.026	105	8	30
107-06-2	1,2-Dichloroethane	0.000114U	0.000114	0.025	0.023	90	72 - 137	0.024	96	4	30
108-10-1	4-Methyl-2-pentanone	0.000173U	0.000173	0.025	0.020	79	47 - 147	0.024	96	18	30
108-87-2	Methylcyclohexane	0.000370U	0.000370	0.025	0.027	106	79 - 122	0.025	101	8	30
108-88-3	Toluene	0.000550U	0.000550	0.025	0.027	106	71 - 127	0.026	102	4	30
108-90-7	Chlorobenzene	0.000165U	0.000165	0.025	0.025	99	75 - 123	0.024	96	4	30
110-82-7	Cyclohexane	0.00111U	0.00111	0.025	0.026	104	61 - 143	0.025	98	4	30
120-82-1	1,2,4-Trichlorobenzene	0.000327U	0.000327	0.025	0.027	108	65 - 131	0.026	106	4	30
124-48-1	Dibromochloromethane	0.0000900U	0.0000900	0.025	0.025	100	66 - 130	0.026	105	4	30
127-18-4	Tetrachloroethene	0.000192U	0.000192	0.025	0.028	112	67 - 139	0.027	107	4	30
1330-20-7	Xylene (total)	0.000572U	0.000572	0.075	0.083	111	80 - 120	0.081	108	2	30
156-59-2	cis-1,2-Dichloroethene	0.000126U	0.000126	0.025	0.025	98	67 - 125	0.024	98	4	30
156-60-5	trans-1,2-Dichloroethene	0.000164U	0.000164	0.025	0.026	102	66 - 134	0.024	96	8	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.0000740U	0.0000740	0.025	0.011	**44***	50 - 135	0.022	87	**67***	30
541-73-1	1,3-Dichlorobenzene	0.000236U	0.000236	0.025	0.026	103	72 - 124	0.025	100	4	30
56-23-5	Carbon tetrachloride	0.000120U	0.000120	0.025	0.026	104	67 - 133	0.025	98	4	30
591-78-6	2-Hexanone	0.000826U	0.000826	0.025	0.020	80	56 - 153	0.024	97	18	30
67-64-1	Acetone	0.000374U	0.000374	0.025	0.021	84	40 - 141	0.020	78	5	30
67-66-3	Chloroform	0.000141U	0.000141	0.025	0.025	99	72 - 124	0.025	98	0	30
71-43-2	Benzene	0.000104U	0.000104	0.025	0.026	102	73 - 126	0.025	98	4	30
71-55-6	1,1,1-Trichloroethane	0.000123U	0.000123	0.025	0.026	103	68 - 130	0.024	97	8	30
74-83-9	Bromomethane	0.00151U	0.00151	0.025	0.024	94	45 - 141	0.023	93	4	30
74-87-3	Chloromethane	0.000464U	0.000464	0.025	0.025	101	51 - 129	0.023	93	8	30
75-00-3	Chloroethane	0.000606U	0.000606	0.025	0.026	102	41 - 141	0.025	100	4	30
75-01-4	Vinyl chloride	0.000351U	0.000351	0.025	0.023	94	58 - 126	0.022	87	4	30
75-09-2	Methylene chloride	0.000479U	0.000479	0.025	0.023	93	63 - 137	0.024	97	4	30
75-15-0	Carbon disulfide	0.000109U	0.000109	0.025	0.027	107	69 - 135	0.025	99	8	30
75-25-2	Bromoform	0.000169U	0.000169	0.025	0.024	98	66 - 137	0.027	108	12	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 320927	**Client ID**	MB320927	LCS320927	LCSD320927	
Prep Batch N/A	**GCAL ID**	360955	360956	360957	
	Sample Type	Method Blank	LCS	LCSD	
	Analytical Date	04/21/2006 16:25	04/21/2006 14:34	04/21/2006 14:54	
	Matrix	Solid	Solid	Solid	

8260B, Volatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
75-27-4	Bromodichloromethane	0.000135U	0.000135	0.025	0.025	98	72 - 128	0.025	100	0	30
75-34-3	1,1-Dichloroethane	0.000159U	0.000159	0.025	0.025	99	73 - 125	0.025	98	0	30
75-35-4	1,1-Dichloroethene	0.000359U	0.000359	0.025	0.026	104	65 - 136	0.024	94	8	30
75-69-4	Trichlorofluoromethane	0.000252U	0.000252	0.025	0.025	102	49 - 139	0.024	96	4	30
75-71-8	Dichlorodifluoromethane	0.000364U	0.000364	0.025	0.025	100	34 - 136	0.024	97	4	30
76-13-1	Trichlorotrifluoroethane	0.000188U	0.000188	0.025	0.026	102	71 - 137	0.025	99	4	30
78-87-5	1,2-Dichloropropane	0.000112U	0.000112	0.025	0.024	97	71 - 120	0.025	99	4	30
78-93-3	2-Butanone	0.000312U	0.000312	0.025	0.023	92	40 - 135	0.025	99	8	30
79-00-5	1,1,2-Trichloroethane	0.000114U	0.000114	0.025	0.023	91	62 - 127	0.025	100	8	30
79-01-6	Trichloroethene	0.000177U	0.000177	0.025	0.026	102	77 - 124	0.024	97	8	30
79-20-9	Methyl Acetate	0.00153U	0.00153	0.025	0.020	78	41 - 164	0.023	92	14	30
79-34-5	1,1,2,2-Tetrachloroethane	0.000180U	0.000180	0.025	0.023	90	59 - 140	0.025	99	8	30
95-50-1	1,2-Dichlorobenzene	0.000114U	0.000114	0.025	0.025	98	74 - 120	0.024	98	4	30
96-12-8	1,2-Dibromo-3-chloropropane	0.000866U	0.000866	0.025	0.023	92	49 - 135	0.025	102	8	30
98-82-8	Isopropylbenzene (Cumene)	0.000153U	0.000153	0.025	0.027	108	77 - 129	0.026	103	4	30
Surrogate											
460-00-4	4-Bromofluorobenzene	48.9	98	50	50.4	101	84 - 118	50.2	100		
1868-53-7	Dibromofluoromethane	49	98	50	48.8	98	65 - 135	49.5	99		
2037-26-5	Toluene d8	51.8	104	50	52.5	105	84 - 116	52.7	105		
17060-07-0	1,2-Dichloroethane-d4	41.6	83	50	40.7	81	52 - 149	42.5	85		

Analytical Batch 321033	**Client ID**	MB321033	LCS321033	LCSD321033	
Prep Batch N/A	**GCAL ID**	361396	361397	361398	
	Sample Type	Method Blank	LCS	LCSD	
	Analytical Date	04/22/2006 17:07	04/22/2006 15:46	04/22/2006 16:25	
	Matrix	Solid	Solid	Solid	

8260B, Volatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
100-41-4	Ethylbenzene	0.000207U	0.000207	0.025	0.024	96	74 - 127	0.023	94	4	30
100-42-5	Styrene	0.000152U	0.000152	0.025	0.025	98	74 - 128	0.024	96	4	30
10061-01-5	cis-1,3-Dichloropropene	0.000115U	0.000115	0.025	0.024	98	72 - 126	0.024	95	0	30
10061-02-6	trans-1,3-Dichloropropene	0.000141U	0.000141	0.025	0.025	98	65 - 127	0.024	96	4	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	321033	**Client ID**	MB321033			LCS321033				LCSD321033		
Prep Batch	N/A	**GCAL ID**	361396			361397				361398		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	04/22/2006 17:07			04/22/2006 15:46				04/22/2006 16:25		
		Matrix	Solid			Solid				Solid		
8260B, Volatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
106-46-7	1,4-Dichlorobenzene	0.000421U	0.000421	0.025	0.025	101	72 - 125	0.025	98	0	30
106-93-4	1,2-Dibromoethane	0.000150U	0.000150	0.025	0.025	98	70 - 124	0.024	96	4	30
107-06-2	1,2-Dichloroethane	0.000114U	0.000114	0.025	0.027	106	72 - 137	0.026	102	4	30
108-10-1	4-Methyl-2-pentanone	0.000173U	0.000173	0.025	0.024	96	47 - 147	0.024	95	0	30
108-87-2	Methylcyclohexane	0.000370U	0.000370	0.025	0.024	96	79 - 122	0.024	95	0	30
108-88-3	Toluene	0.000550U	0.000550	0.025	0.024	96	71 - 127	0.023	93	4	30
108-90-7	Chlorobenzene	0.000165U	0.000165	0.025	0.023	90	75 - 123	0.022	88	4	30
110-82-7	Cyclohexane	0.00111U	0.00111	0.025	0.023	93	61 - 143	0.023	93	0	30
120-82-1	1,2,4-Trichlorobenzene	0.000327U	0.000327	0.025	0.026	105	65 - 131	0.026	104	0	30
124-48-1	Dibromochloromethane	0.0000900U	0.0000900	0.025	0.025	100	66 - 130	0.025	99	0	30
127-18-4	Tetrachloroethene	0.000192U	0.000192	0.025	0.025	98	67 - 139	0.024	96	4	30
1330-20-7	Xylene (total)	0.000572U	0.000572	0.075	0.075	100	80 - 120	0.074	98	1	30
156-59-2	cis-1,2-Dichloroethene	0.000126U	0.000126	0.025	0.026	104	67 - 125	0.025	100	4	30
156-60-5	trans-1,2-Dichloroethene	0.000164U	0.000164	0.025	0.026	102	66 - 134	0.025	98	4	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.0000740U	0.0000740	0.025	0.025	98	50 - 135	0.019	75	27	30
541-73-1	1,3-Dichlorobenzene	0.000236U	0.000236	0.025	0.024	98	72 - 124	0.025	98	4	30
56-23-5	Carbon tetrachloride	0.000120U	0.000120	0.025	0.026	105	67 - 133	0.025	99	4	30
591-78-6	2-Hexanone	0.000826U	0.000826	0.025	0.022	89	56 - 153	0.022	86	0	30
67-64-1	Acetone	0.00302J	0.000374	0.025	0.016	66	40 - 141	0.018	73	12	30
67-66-3	Chloroform	0.000141U	0.000141	0.025	0.027	107	72 - 124	0.025	101	8	30
71-43-2	Benzene	0.000104U	0.000104	0.025	0.024	96	73 - 126	0.024	94	0	30
71-55-6	1,1,1-Trichloroethane	0.000123U	0.000123	0.025	0.026	105	68 - 130	0.025	98	4	30
74-83-9	Bromomethane	0.00151U	0.00151	0.025	0.027	106	45 - 141	0.026	105	4	30
74-87-3	Chloromethane	0.000464U	0.000464	0.025	0.025	101	51 - 129	0.025	101	0	30
75-00-3	Chloroethane	0.000606U	0.000606	0.025	0.025	100	41 - 141	0.024	94	4	30
75-01-4	Vinyl chloride	0.000351U	0.000351	0.025	0.026	102	58 - 126	0.024	97	8	30
75-09-2	Methylene chloride	0.000479U	0.000479	0.025	0.025	100	63 - 137	0.024	96	4	30
75-15-0	Carbon disulfide	0.000109U	0.000109	0.025	0.025	101	69 - 135	0.025	98	0	30
75-25-2	Bromoform	0.000169U	0.000169	0.025	0.025	101	66 - 137	0.025	101	0	30
75-27-4	Bromodichloromethane	0.000135U	0.000135	0.025	0.026	104	72 - 128	0.026	103	0	30
75-34-3	1,1-Dichloroethane	0.000159U	0.000159	0.025	0.026	104	73 - 125	0.025	98	4	30
75-35-4	1,1-Dichloroethene	0.000359U	0.000359	0.025	0.025	102	65 - 136	0.025	99	0	30
75-69-4	Trichlorofluoromethane	0.000252U	0.000252	0.025	0.027	108	49 - 139	0.026	104	4	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	321033	**Client ID**	MB321033			LCS321033				LCSD321033		
Prep Batch	N/A	**GCAL ID**	361396			361397				361398		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	04/22/2006 17:07			04/22/2006 15:46				04/22/2006 16:25		
		Matrix	Solid			Solid				Solid		
8260B, Volatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
75-71-8	Dichlorodifluoromethane	0.000364U	0.000364	0.025	0.027	109	34 - 136	0.026	105	4	30	
76-13-1	Trichlorotrifluoroethane	0.000188U	0.000188	0.025	0.026	104	71 - 137	0.025	101	4	30	
78-87-5	1,2-Dichloropropane	0.000112U	0.000112	0.025	0.024	96	71 - 120	0.023	92	4	30	
78-93-3	2-Butanone	0.000312U	0.000312	0.025	0.024	95	40 - 135	0.023	94	4	30	
79-00-5	1,1,2-Trichloroethane	0.000114U	0.000114	0.025	0.023	93	62 - 127	0.023	92	0	30	
79-01-6	Trichloroethene	0.000177U	0.000177	0.025	0.024	97	77 - 124	0.023	92	4	30	
79-20-9	Methyl Acetate	0.00153U	0.00153	0.025	0.023	93	41 - 164	0.024	96	4	30	
79-34-5	1,1,2,2-Tetrachloroethane	0.000180U	0.000180	0.025	0.025	99	59 - 140	0.025	100	0	30	
95-50-1	1,2-Dichlorobenzene	0.000114U	0.000114	0.025	0.024	96	74 - 120	0.024	95	0	30	
96-12-8	1,2-Dibromo-3-chloropropane	0.000866U	0.000866	0.025	0.025	100	49 - 135	0.025	100	0	30	
98-82-8	Isopropylbenzene (Cumene)	0.000153U	0.000153	0.025	0.025	99	77 - 129	0.024	96	4	30	
Surrogate												
460-00-4	4-Bromofluorobenzene	47.3	95	50	49.7	99	84 - 118	48.8	98			
1868-53-7	Dibromofluoromethane	53.7	107	50	53.7	107	65 - 135	53.1	106			
2037-26-5	Toluene d8	50.4	101	50	50.9	102	84 - 116	50.8	102			
17060-07-0	1,2-Dichloroethane-d4	48.3	97	50	45.9	92	52 - 149	45.4	91			

Analytical Batch	321050	**Client ID**	MB321050			LCS321050				LCSD321050		
Prep Batch	N/A	**GCAL ID**	361436			361437				361438		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	04/23/2006 08:55			04/23/2006 07:47				04/23/2006 08:10		
		Matrix	Solid			Solid				Solid		
8260B, Volatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
100-41-4	Ethylbenzene	0.010U	0.010	1.25	1.43	114	74 - 127	1.32	106	8	30	
100-42-5	Styrene	0.00760U	0.00760	1.25	1.39	111	74 - 128	1.32	106	5	30	
10061-01-5	cis-1,3-Dichloropropene	0.00575U	0.00575	1.25	1.17	94	72 - 126	1.07	86	9	30	
10061-02-6	trans-1,3-Dichloropropene	0.00705U	0.00705	1.25	1.17	94	65 - 127	1.10	88	6	30	
106-46-7	1,4-Dichlorobenzene	0.021U	0.021	1.25	1.31	105	72 - 125	1.21	97	8	30	
106-93-4	1,2-Dibromoethane	0.00750U	0.00750	1.25	1.33	106	70 - 124	1.28	102	4	30	
107-06-2	1,2-Dichloroethane	0.00570U	0.00570	1.25	1.05	84	72 - 137	1.01	81	4	30	
108-10-1	4-Methyl-2-pentanone	0.00865U	0.00865	1.25	1.02	82	47 - 147	1.10	88	8	30	

GC/MS Volatiles Quality Control Summary

Analytical Batch	321050	**Client ID**	MB321050			LCS321050				LCSD321050		
Prep Batch	N/A	**GCAL ID**	361436			361437				361438		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	04/23/2006 08:55			04/23/2006 07:47				04/23/2006 08:10		
		Matrix	Solid			Solid				Solid		
8260B, Volatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
108-87-2	Methylcyclohexane	0.019U	0.019	1.25	1.39	111	79 - 122	1.30	104	7	30	
108-88-3	Toluene	0.028U	0.028	1.25	1.44	115	71 - 127	1.34	107	7	30	
108-90-7	Chlorobenzene	0.00825U	0.00825	1.25	1.29	103	75 - 123	1.21	97	6	30	
110-82-7	Cyclohexane	0.055U	0.055	1.25	1.45	116	61 - 143	1.35	108	7	30	
120-82-1	1,2,4-Trichlorobenzene	0.016U	0.016	1.25	1.43	114	65 - 131	1.32	106	8	30	
124-48-1	Dibromochloromethane	0.00450U	0.00450	1.25	1.19	95	66 - 130	1.15	92	3	30	
127-18-4	Tetrachloroethene	0.00960U	0.00960	1.25	1.35	108	67 - 139	1.24	99	8	30	
1330-20-7	Xylene (total)	0.029U	0.029	3.75	4.24	113	80 - 120	3.95	105	7	30	
156-59-2	cis-1,2-Dichloroethene	0.00630U	0.00630	1.25	1.31	105	67 - 125	1.22	98	7	30	
156-60-5	trans-1,2-Dichloroethene	0.00820U	0.00820	1.25	1.32	106	66 - 134	1.20	96	10	30	
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00370U	0.00370	1.25	1.23	98	50 - 135	1.24	99	0.8	30	
541-73-1	1,3-Dichlorobenzene	0.012U	0.012	1.25	1.36	109	72 - 124	1.26	101	8	30	
56-23-5	Carbon tetrachloride	0.00600U	0.00600	1.25	1.16	93	67 - 133	1.04	83	11	30	
591-78-6	2-Hexanone	0.041U	0.041	1.25	1.14	91	56 - 153	1.19	95	4	30	
67-64-1	Acetone	0.019U	0.019	1.25	1.16	93	40 - 141	1.13	90	3	30	
67-66-3	Chloroform	0.00705U	0.00705	1.25	1.31	105	72 - 124	1.23	98	6	30	
71-43-2	Benzene	0.00520U	0.00520	1.25	1.32	106	73 - 126	1.22	98	8	30	
71-55-6	1,1,1-Trichloroethane	0.00615U	0.00615	1.25	1.12	90	68 - 130	1.05	84	6	30	
74-83-9	Bromomethane	0.075U	0.075	1.25	1.36	109	45 - 141	1.23	98	10	30	
74-87-3	Chloromethane	0.023U	0.023	1.25	1.24	99	51 - 129	1.07	86	15	30	
75-00-3	Chloroethane	0.030U	0.030	1.25	1.43	114	41 - 141	1.23	98	15	30	
75-01-4	Vinyl chloride	0.018U	0.018	1.25	1.20	96	58 - 126	1.04	83	14	30	
75-09-2	Methylene chloride	0.071J	0.024	1.25	1.10	88	63 - 137	1.04	83	6	30	
75-15-0	Carbon disulfide	0.00545U	0.00545	1.25	1.50	120	69 - 135	1.32	106	13	30	
75-25-2	Bromoform	0.00845U	0.00845	1.25	1.17	94	66 - 137	1.15	92	2	30	
75-27-4	Bromodichloromethane	0.00675U	0.00675	1.25	1.15	92	72 - 128	1.10	88	4	30	
75-34-3	1,1-Dichloroethane	0.00795U	0.00795	1.25	1.31	105	73 - 125	1.22	98	7	30	
75-35-4	1,1-Dichloroethene	0.018U	0.018	1.25	1.46	117	65 - 136	1.33	106	9	30	
75-69-4	Trichlorofluoromethane	0.013U	0.013	1.25	1.31	105	49 - 139	1.22	98	7	30	
75-71-8	Dichlorodifluoromethane	0.018U	0.018	1.25	1.38	110	34 - 136	1.27	102	8	30	
76-13-1	Trichlorotrifluoroethane	0.00940U	0.00940	1.25	1.38	110	71 - 137	1.28	102	8	30	
78-87-5	1,2-Dichloropropane	0.00560U	0.00560	1.25	1.29	103	71 - 120	1.25	100	3	30	
78-93-3	2-Butanone	0.016U	0.016	1.25	1.33	106	40 - 135	1.23	98	8	30	

GC/MS Volatiles Quality Control Summary

Analytical Batch 321050	**Client ID**	MB321050	LCS321050	LCSD321050	
Prep Batch N/A	**GCAL ID**	361436	361437	361438	
	Sample Type	Method Blank	LCS	LCSD	
	Analytical Date	04/23/2006 08:55	04/23/2006 07:47	04/23/2006 08:10	
	Matrix	Solid	Solid	Solid	

8260B, Volatiles		**Units**	mg/kg	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
79-00-5	1,1,2-Trichloroethane	0.00570U	0.00570	1.25	1.30	104	62 - 127	1.27	102	2	30
79-01-6	Trichloroethene	0.00885U	0.00885	1.25	1.30	104	77 - 124	1.20	96	8	30
79-20-9	Methyl Acetate	0.076U	0.076	1.25	1.08	86	41 - 164	1.12	90	4	30
79-34-5	1,1,2,2-Tetrachloroethane	0.00900U	0.00900	1.25	1.24	99	59 - 140	1.26	101	2	30
95-50-1	1,2-Dichlorobenzene	0.00570U	0.00570	1.25	1.30	104	74 - 120	1.22	98	6	30
96-12-8	1,2-Dibromo-3-chloropropane	0.043U	0.043	1.25	1.04	83	49 - 135	1.11	89	7	30
98-82-8	Isopropylbenzene (Cumene)	0.00765U	0.00765	1.25	1.43	114	77 - 129	1.34	107	6	30
Surrogate											
460-00-4	4-Bromofluorobenzene	2430	97	2500	2470	99	84 - 118	2450	98		
1868-53-7	Dibromofluoromethane	2380	95	2500	2480	99	65 - 135	2510	100		
2037-26-5	Toluene d8	2650	106	2500	2640	106	84 - 116	2670	107		
17060-07-0	1,2-Dichloroethane-d4	2140	86	2500	2060	82	52 - 149	2100	84		

Analytical Batch 321050	**Client ID**	HA-2 (0-12)	MS HA-2 (0-12)	MSD HA-2 (0-12)	
Prep Batch N/A	**GCAL ID**	20604201403	20604201422	20604201423	
	Sample Type	SAMPLE	MS	MSD	
	Analytical Date	04/23/2006 11:15	04/23/2006 11:37	04/23/2006 12:25	
	Matrix	Solid	Solid	Solid	

8260B, Volatiles		**Units**	mg/kg	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
71-55-6	1,1,1-Trichloroethane	0.00	0.00615	1.05	0.860	82	68 - 130	1.36	80	**45***	30
79-34-5	1,1,2,2-Tetrachloroethane	0.00	0.00900	1.05	0.977	93	59 - 140	1.66	97	**52***	30
79-00-5	1,1,2-Trichloroethane	0.00	0.00570	1.05	1.06	101	62 - 127	1.78	105	**51***	30
75-34-3	1,1-Dichloroethane	0.00	0.00795	1.05	1.03	98	73 - 125	1.66	97	**47***	30
75-35-4	1,1-Dichloroethene	0.00	0.018	1.05	1.13	108	65 - 136	1.81	106	**46***	30
120-82-1	1,2,4-Trichlorobenzene	0.00	0.016	1.05	1.11	106	65 - 131	1.91	112	**53***	30
96-12-8	1,2-Dibromo-3-chloropropane	0.00	0.043	1.05	0.791	76	49 - 135	1.44	85	**58***	30
106-93-4	1,2-Dibromoethane	0.00	0.00750	1.05	1.06	101	70 - 124	1.78	105	**51***	30
95-50-1	1,2-Dichlorobenzene	0.00	0.00570	1.05	1.05	100	74 - 120	1.73	102	**49***	30
107-06-2	1,2-Dichloroethane	0.00	0.00570	1.05	0.963	92	72 - 137	1.63	96	**51***	30
78-87-5	1,2-Dichloropropane	0.00	0.00560	1.05	1.06	101	71 - 120	1.72	101	**47***	30
541-73-1	1,3-Dichlorobenzene	0.00	0.012	1.05	1.07	102	72 - 124	1.75	103	**48***	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	321050	**Client ID**	HA-2 (0-12)			MS HA-2 (0-12)			MSD HA-2 (0-12)			
Prep Batch	N/A	**GCAL ID**	20604201403			20604201422			20604201423			
		Sample Type	SAMPLE			MS			MSD			
		Analytical Date	04/23/2006 11:15			04/23/2006 11:37			04/23/2006 12:25			
		Matrix	Solid			Solid			Solid			
8260B, Volatiles		**Units**	mg/kg									
		Result	**RDL**	**Spike Added**	**Result**	**% R**	**Control Limits % R**		**Result**	**% R**	**RPD**	**RPD Limit**
106-46-7	1,4-Dichlorobenzene	0.00	0.021	1.05	1.06	101	72 - 125		1.68	99	45*	30
78-93-3	2-Butanone	0.00	0.016	1.05	1.02	97	40 - 135		1.69	99	49*	30
591-78-6	2-Hexanone	0.00	0.041	1.05	0.978	93	56 - 153		0.537	32*	58*	30
108-10-1	4-Methyl-2-pentanone	0.00	0.00865	1.05	0.896	86	47 - 147		1.57	92	55*	30
67-64-1	Acetone	0.00	0.019	1.05	0.901	86	40 - 141		1.66	97	59*	30
71-43-2	Benzene	0.00	0.00520	1.05	1.07	102	73 - 126		1.69	99	45*	30
75-27-4	Bromodichloromethane	0.00	0.00675	1.05	0.860	82	72 - 128		1.42	83	49*	30
75-25-2	Bromoform	0.00	0.00845	1.05	0.867	83	66 - 137		1.48	87	52*	30
74-83-9	Bromomethane	0.00	0.075	1.05	0.187	18*	45 - 141		0.309	18*	49*	30
75-15-0	Carbon disulfide	0.00	0.00545	1.05	0.942	90	69 - 135		1.59	93	51*	30
56-23-5	Carbon tetrachloride	0.00	0.00600	1.05	0.797	76	67 - 133		1.30	76	48*	30
108-90-7	Chlorobenzene	0.00	0.00825	1.05	1.07	102	75 - 123		1.70	100	45*	30
75-00-3	Chloroethane	0.00	0.030	1.05	0.196	19*	41 - 141		0.279	16*	35*	30
67-66-3	Chloroform	0.00	0.00705	1.05	1.06	101	72 - 124		1.70	100	46*	30
74-87-3	Chloromethane	0.00	0.023	1.05	0.740	71	51 - 129		1.23	72	50*	30
110-82-7	Cyclohexane	0.00	0.055	1.05	1.13	108	61 - 143		1.81	106	46*	30
124-48-1	Dibromochloromethane	0.00	0.00450	1.05	0.878	84	66 - 130		1.48	87	51*	30
75-71-8	Dichlorodifluoromethane	0.00	0.018	1.05	1.09	104	34 - 136		1.67	98	42*	30
10061-01-5	cis-1,3-Dichloropropene	0.00	0.00575	1.05	0.900	86	72 - 126		1.76	103	65*	30
10061-02-6	trans-1,3-Dichloropropene	0.00	0.00705	1.05	0.907	87	65 - 127		1.55	91	52*	30
100-41-4	Ethylbenzene	0.00	0.010	1.05	1.18	113	74 - 127		1.87	110	45*	30
98-82-8	Isopropylbenzene (Cumene)	0.00	0.00765	1.05	1.20	115	77 - 129		1.92	113	46*	30
79-20-9	Methyl Acetate	0.00	0.076	1.05	1.09	104	41 - 164		1.92	113	55*	30
108-87-2	Methylcyclohexane	0.00	0.019	1.05	1.08	103	79 - 122		2.14	126*	66*	30
75-09-2	Methylene chloride	0.112	0.024	1.05	0.888	74	63 - 137		1.43	77	47*	30
100-42-5	Styrene	0.00	0.00760	1.05	1.18	113	74 - 128		1.92	113	48*	30
127-18-4	Tetrachloroethene	0.00	0.00960	1.05	1.09	104	67 - 139		1.77	104	48*	30
108-88-3	Toluene	0.00	0.028	1.05	1.19	114	71 - 127		1.90	112	46*	30
79-01-6	Trichloroethene	0.207	0.00885	1.05	1.51	124	77 - 124		2.44	131*	47*	30
75-69-4	Trichlorofluoromethane	0.00	0.013	1.05	0.966	92	49 - 139		1.50	88	43*	30
76-13-1	Trichlorotrifluoroethane	0.00	0.00940	1.05	1.09	104	71 - 137		1.68	99	43*	30
75-01-4	Vinyl chloride	0.00	0.018	1.05	0.250	24*	58 - 126		0.397	23*	45*	30
1330-20-7	Xylene (total)	0.00	0.029	3.14	3.52	112	80 - 120		5.64	110	46*	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 321050	**Client ID**	HA-2 (0-12)	MS HA-2 (0-12)	MSD HA-2 (0-12)	
Prep Batch N/A	**GCAL ID**	20604201403	20604201422	20604201423	
	Sample Type	SAMPLE	MS	MSD	
	Analytical Date	04/23/2006 11:15	04/23/2006 11:37	04/23/2006 12:25	
	Matrix	Solid	Solid	Solid	

8260B, Volatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
156-59-2	cis-1,2-Dichloroethene	0.00	0.00630	1.05	1.04	99	67 - 125	1.64	96	**45***	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00	0.00370	1.05	1.03	98	50 - 135	1.78	105	**53***	30
156-60-5	trans-1,2-Dichloroethene	0.00	0.00820	1.05	0.995	95	66 - 134	1.59	93	**46***	30
Surrogate											
460-00-4	4-Bromofluorobenzene	2.58	103	2.09	2.18	104	84 - 118	3.58	105		
1868-53-7	Dibromofluoromethane	2.31	92	2.09	2.04	97	65 - 135	3.28	96		
2037-26-5	Toluene d8	2.62	105	2.09	2.2	105	84 - 116	3.59	105		
17060-07-0	1,2-Dichloroethane-d4	2.15	86	2.09	1.74	83	52 - 149	2.82	83		

Analytical Batch 321078	**Client ID**	MB321078	LCS321078	LCSD321078	
Prep Batch N/A	**GCAL ID**	361490	361491	361492	
	Sample Type	Method Blank	LCS	LCSD	
	Analytical Date	04/23/2006 14:17	04/23/2006 12:54	04/23/2006 13:15	
	Matrix	Solid	Solid	Solid	

8260B, Volatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
100-41-4	Ethylbenzene	0.000207U	0.000207	0.025	0.027	110	74 - 127	0.027	106	0	30
100-42-5	Styrene	0.000152U	0.000152	0.025	0.028	110	74 - 128	0.027	110	4	30
10061-01-5	cis-1,3-Dichloropropene	0.000115U	0.000115	0.025	0.028	110	72 - 126	0.028	110	0	30
10061-02-6	trans-1,3-Dichloropropene	0.000141U	0.000141	0.025	0.028	110	65 - 127	0.028	110	0	30
106-46-7	1,4-Dichlorobenzene	0.000421U	0.000421	0.025	0.027	110	72 - 125	0.028	110	4	30
106-93-4	1,2-Dibromoethane	0.000150U	0.000150	0.025	0.027	107	70 - 124	0.027	109	0	30
107-06-2	1,2-Dichloroethane	0.000114U	0.000114	0.025	0.025	101	72 - 137	0.026	103	4	30
108-10-1	4-Methyl-2-pentanone	0.000173U	0.000173	0.025	0.025	98	47 - 147	0.026	105	4	30
108-87-2	Methylcyclohexane	0.000370U	0.000370	0.025	0.028	113	79 - 122	0.028	111	0	30
108-88-3	Toluene	0.000550U	0.000550	0.025	0.027	108	71 - 127	0.027	107	0	30
108-90-7	Chlorobenzene	0.000165U	0.000165	0.025	0.027	107	75 - 123	0.027	107	0	30
110-82-7	Cyclohexane	0.00111U	0.00111	0.025	0.028	112	61 - 143	0.027	106	4	30
120-82-1	1,2,4-Trichlorobenzene	0.000327U	0.000327	0.025	0.028	112	65 - 131	0.028	112	0	30
124-48-1	Dibromochloromethane	0.0000900U	0.0000900	0.025	0.027	108	66 - 130	0.028	113	4	30
127-18-4	Tetrachloroethene	0.000192U	0.000192	0.025	0.027	106	67 - 139	0.025	101	8	30
1330-20-7	Xylene (total)	0.000572U	0.000572	0.075	0.082	109	80 - 120	0.081	108	1	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	321078	**Client ID**	MB321078			LCS321078				LCSD321078		
Prep Batch	N/A	**GCAL ID**	361490			361491				361492		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	04/23/2006 14:17			04/23/2006 12:54				04/23/2006 13:15		
		Matrix	Solid			Solid				Solid		
8260B, Volatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
156-59-2	cis-1,2-Dichloroethene	0.000126U	0.000126	0.025	0.026	103	67 - 125	0.026	103	0	30
156-60-5	trans-1,2-Dichloroethene	0.000164U	0.000164	0.025	0.026	104	66 - 134	0.026	105	0	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.0000740U	0.0000740	0.025	0.030	119	50 - 135	0.031	124	3	30
541-73-1	1,3-Dichlorobenzene	0.000236U	0.000236	0.025	0.027	109	72 - 124	0.027	108	0	30
56-23-5	Carbon tetrachloride	0.000120U	0.000120	0.025	0.028	111	67 - 133	0.027	108	4	30
591-78-6	2-Hexanone	0.000826U	0.000826	0.025	0.027	108	56 - 153	0.029	115	7	30
67-64-1	Acetone	0.000374U	0.000374	0.025	0.026	103	40 - 141	0.033	130	24	30
67-66-3	Chloroform	0.000141U	0.000141	0.025	0.026	103	72 - 124	0.025	100	4	30
71-43-2	Benzene	0.000104U	0.000104	0.025	0.027	106	73 - 126	0.027	106	0	30
71-55-6	1,1,1-Trichloroethane	0.000123U	0.000123	0.025	0.027	108	68 - 130	0.027	107	0	30
74-83-9	Bromomethane	0.00151U	0.00151	0.025	0.024	96	45 - 141	0.024	94	0	30
74-87-3	Chloromethane	0.000464U	0.000464	0.025	0.026	103	51 - 129	0.024	98	8	30
75-00-3	Chloroethane	0.000606U	0.000606	0.025	0.026	106	41 - 141	0.026	104	0	30
75-01-4	Vinyl chloride	0.000351U	0.000351	0.025	0.024	95	58 - 126	0.024	94	0	30
75-09-2	Methylene chloride	0.000479U	0.000479	0.025	0.029	116	63 - 137	0.029	115	0	30
75-15-0	Carbon disulfide	0.000109U	0.000109	0.025	0.029	115	69 - 135	0.028	112	4	30
75-25-2	Bromoform	0.000169U	0.000169	0.025	0.025	99	66 - 137	0.025	100	0	30
75-27-4	Bromodichloromethane	0.000135U	0.000135	0.025	0.026	104	72 - 128	0.027	107	4	30
75-34-3	1,1-Dichloroethane	0.000159U	0.000159	0.025	0.026	104	73 - 125	0.026	102	0	30
75-35-4	1,1-Dichloroethene	0.000359U	0.000359	0.025	0.027	109	65 - 136	0.026	105	4	30
75-69-4	Trichlorofluoromethane	0.000252U	0.000252	0.025	0.027	108	49 - 139	0.026	102	4	30
75-71-8	Dichlorodifluoromethane	0.000364U	0.000364	0.025	0.026	103	34 - 136	0.025	98	4	30
76-13-1	Trichlorotrifluoroethane	0.000188U	0.000188	0.025	0.027	106	71 - 137	0.026	106	4	30
78-87-5	1,2-Dichloropropane	0.000112U	0.000112	0.025	0.026	102	71 - 120	0.026	104	0	30
78-93-3	2-Butanone	0.000312U	0.000312	0.025	0.027	109	40 - 135	0.028	112	4	30
79-00-5	1,1,2-Trichloroethane	0.000114U	0.000114	0.025	0.026	102	62 - 127	0.027	108	4	30
79-01-6	Trichloroethene	0.000177U	0.000177	0.025	0.027	107	77 - 124	0.026	104	4	30
79-20-9	Methyl Acetate	0.00153U	0.00153	0.025	0.022	89	41 - 164	0.024	97	9	30
79-34-5	1,1,2,2-Tetrachloroethane	0.000180U	0.000180	0.025	0.026	104	59 - 140	0.027	108	4	30
95-50-1	1,2-Dichlorobenzene	0.000114U	0.000114	0.025	0.027	109	74 - 120	0.027	109	0	30
96-12-8	1,2-Dibromo-3-chloropropane	0.000866U	0.000866	0.025	0.028	110	49 - 135	0.028	112	0	30
98-82-8	Isopropylbenzene (Cumene)	0.000153U	0.000153	0.025	0.029	115	77 - 129	0.028	112	4	30
Surrogate											

GC/MS Volatiles Quality Control Summary

Analytical Batch	321078	**Client ID**	MB321078			LCS321078			LCSD321078			
Prep Batch	N/A	**GCAL ID**	361490			361491			361492			
		Sample Type	Method Blank			LCS			LCSD			
		Analytical Date	04/23/2006 14:17			04/23/2006 12:54			04/23/2006 13:15			
		Matrix	Solid			Solid			Solid			
8260B, Volatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**		**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**		**Limit**
460-00-4	4-Bromofluorobenzene	48.7	97	50	49.1	98	84 - 118	49	98		
1868-53-7	Dibromofluoromethane	49.2	98	50	48.7	97	65 - 135	48.5	97		
2037-26-5	Toluene d8	55.7	111	50	55.4	111	84 - 116	54.5	109		
17060-07-0	1,2-Dichloroethane-d4	43.9	88	50	42	84	52 - 149	43.2	86		

Analytical Batch	321145	**Client ID**	MB321145			LCS321145			LCSD321145			
Prep Batch	N/A	**GCAL ID**	361674			361675			361676			
		Sample Type	Method Blank			LCS			LCSD			
		Analytical Date	04/24/2006 08:43			04/24/2006 07:55			04/24/2006 08:20			
		Matrix	Solid			Solid			Solid			
8260B, Volatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**		**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**		**Limit**
100-41-4	Ethylbenzene	0.010U	0.010	1.25	1.43	114	74 - 127	1.49	119	4	30
100-42-5	Styrene	0.00760U	0.00760	1.25	1.39	111	74 - 128	1.45	116	4	30
10061-01-5	cis-1,3-Dichloropropene	0.00575U	0.00575	1.25	1.10	88	72 - 126	1.40	112	24	30
10061-02-6	trans-1,3-Dichloropropene	0.00705U	0.00705	1.25	1.15	92	65 - 127	1.22	98	6	30
106-46-7	1,4-Dichlorobenzene	0.021U	0.021	1.25	1.29	103	72 - 125	1.33	106	3	30
106-93-4	1,2-Dibromoethane	0.00750U	0.00750	1.25	1.30	104	70 - 124	1.31	105	0.8	30
107-06-2	1,2-Dichloroethane	0.00570U	0.00570	1.25	1.02	82	72 - 137	1.05	84	3	30
108-10-1	4-Methyl-2-pentanone	0.00865U	0.00865	1.25	0.953	76	47 - 147	1.05	84	10	30
108-87-2	Methylcyclohexane	0.019U	0.019	1.25	1.37	110	79 - 122	1.74	**139***	24	30
108-88-3	Toluene	0.028U	0.028	1.25	1.42	114	71 - 127	1.49	119	5	30
108-90-7	Chlorobenzene	0.00825U	0.00825	1.25	1.29	103	75 - 123	1.34	107	4	30
110-82-7	Cyclohexane	0.055U	0.055	1.25	1.44	115	61 - 143	1.45	116	0.7	30
120-82-1	1,2,4-Trichlorobenzene	0.016U	0.016	1.25	1.34	107	65 - 131	1.40	112	4	30
124-48-1	Dibromochloromethane	0.00450U	0.00450	1.25	1.17	94	66 - 130	1.24	99	6	30
127-18-4	Tetrachloroethene	0.00960U	0.00960	1.25	1.37	110	67 - 139	1.41	113	3	30
1330-20-7	Xylene (total)	0.029U	0.029	3.75	4.21	112	80 - 120	4.40	117	4	30
156-59-2	cis-1,2-Dichloroethene	0.00630U	0.00630	1.25	1.27	102	67 - 125	1.31	105	3	30
156-60-5	trans-1,2-Dichloroethene	0.00820U	0.00820	1.25	1.26	101	66 - 134	1.31	105	4	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00370U	0.00370	1.25	1.24	99	50 - 135	1.27	102	2	30
541-73-1	1,3-Dichlorobenzene	0.012U	0.012	1.25	1.33	106	72 - 124	1.37	110	3	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 321145	**Client ID**	MB321145	LCS321145	LCSD321145
Prep Batch N/A	**GCAL ID**	361674	361675	361676
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	04/24/2006 08:43	04/24/2006 07:55	04/24/2006 08:20
	Matrix	Solid	Solid	Solid

8260B, Volatiles		**Units**	mg/kg	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
56-23-5	Carbon tetrachloride	0.00600U	0.00600	1.25	1.07	86	67 - 133	1.14	91	6	30
591-78-6	2-Hexanone	0.041U	0.041	1.25	1.09	87	56 - 153	1.18	94	8	30
67-64-1	Acetone	0.019U	0.019	1.25	1.02	82	40 - 141	1.14	91	11	30
67-66-3	Chloroform	0.00705U	0.00705	1.25	1.29	103	72 - 124	1.29	103	0	30
71-43-2	Benzene	0.00520U	0.00520	1.25	1.31	105	73 - 126	1.32	106	0.8	30
71-55-6	1,1,1-Trichloroethane	0.00615U	0.00615	1.25	1.09	87	68 - 130	1.12	90	3	30
74-83-9	Bromomethane	0.075U	0.075	1.25	1.40	112	45 - 141	1.40	112	0	30
74-87-3	Chloromethane	0.023U	0.023	1.25	1.30	104	51 - 129	1.32	106	2	30
75-00-3	Chloroethane	0.030U	0.030	1.25	1.39	111	41 - 141	1.36	109	2	30
75-01-4	Vinyl chloride	0.018U	0.018	1.25	1.06	85	58 - 126	1.07	86	0.9	30
75-09-2	Methylene chloride	0.024U	0.024	1.25	1.07	86	63 - 137	1.08	86	0.9	30
75-15-0	Carbon disulfide	0.00545U	0.00545	1.25	1.38	110	69 - 135	1.45	116	5	30
75-25-2	Bromoform	0.00845U	0.00845	1.25	1.16	93	66 - 137	1.21	97	4	30
75-27-4	Bromodichloromethane	0.00675U	0.00675	1.25	1.11	89	72 - 128	1.26	101	13	30
75-34-3	1,1-Dichloroethane	0.00795U	0.00795	1.25	1.27	102	73 - 125	1.31	105	3	30
75-35-4	1,1-Dichloroethene	0.018U	0.018	1.25	1.39	111	65 - 136	1.50	120	8	30
75-69-4	Trichlorofluoromethane	0.013U	0.013	1.25	1.28	102	49 - 139	1.34	107	5	30
75-71-8	Dichlorodifluoromethane	0.018U	0.018	1.25	1.52	122	34 - 136	1.61	129	6	30
76-13-1	Trichlorotrifluoroethane	0.00940U	0.00940	1.25	1.35	108	71 - 137	1.38	110	2	30
78-87-5	1,2-Dichloropropane	0.00560U	0.00560	1.25	1.29	103	71 - 120	1.30	104	0.8	30
78-93-3	2-Butanone	0.016U	0.016	1.25	1.21	97	40 - 135	1.20	96	0.8	30
79-00-5	1,1,2-Trichloroethane	0.00570U	0.00570	1.25	1.31	105	62 - 127	1.34	107	2	30
79-01-6	Trichloroethene	0.00885U	0.00885	1.25	1.28	102	77 - 124	1.42	114	10	30
79-20-9	Methyl Acetate	0.076U	0.076	1.25	1.07	86	41 - 164	1.04	83	3	30
79-34-5	1,1,2,2-Tetrachloroethane	0.00900U	0.00900	1.25	1.22	98	59 - 140	1.24	99	2	30
95-50-1	1,2-Dichlorobenzene	0.00570U	0.00570	1.25	1.27	102	74 - 120	1.30	104	2	30
96-12-8	1,2-Dibromo-3-chloropropane	0.043U	0.043	1.25	1.01	81	49 - 135	1.05	84	4	30
98-82-8	Isopropylbenzene (Cumene)	0.00765U	0.00765	1.25	1.41	113	77 - 129	1.47	118	4	30
Surrogate											
460-00-4	4-Bromofluorobenzene	2500	100	2500	2480	99	84 - 118	2520	101		
1868-53-7	Dibromofluoromethane	2400	96	2500	2420	97	65 - 135	2400	96		
2037-26-5	Toluene d8	2710	108	2500	2670	107	84 - 116	2720	109		
17060-07-0	1,2-Dichloroethane-d4	2000	80	2500	1940	78	52 - 149	1960	78		

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date

GCAL Report 206051207

Deliver To	Aerostar 803 Government St Suite A Mobile, AL 36602
Attn	Emilie Wien

Customer Aerostar

Project Brookley Field

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

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

Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
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 206051207

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20605120704	HA-11 (8-10)	Solid	05/11/2006 14:15	05/12/2006 10:00
20605120705	HA-12 (8-10)	Solid	05/11/2006 14:05	05/12/2006 10:00
20605120706	HA-13 (8-10)	Solid	05/11/2006 13:50	05/12/2006 10:00

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20605120704	HA-11 (8-10)	Solid	05/11/2006 14:15	05/12/2006 10:00

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	05/21/2006 14:43	JCK	323742

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000118U	0.00478	0.000118	mg/kg
75-34-3	1,1-Dichloroethane	0.000152U	0.00478	0.000152	mg/kg
75-35-4	1,1-Dichloroethene	0.000343U	0.00478	0.000343	mg/kg
56-23-5	Carbon tetrachloride	0.000115U	0.00478	0.000115	mg/kg
75-00-3	Chloroethane	0.000580U	0.00478	0.000580	mg/kg
67-66-3	Chloroform	0.000135U	0.00478	0.000135	mg/kg
75-09-2	Methylene chloride	0.000458U	0.00956	0.000458	mg/kg
127-18-4	Tetrachloroethene	0.000184U	0.00478	0.000184	mg/kg
79-01-6	Trichloroethene	0.000169U	0.00478	0.000169	mg/kg
75-01-4	Vinyl chloride	0.000336U	0.00478	0.000336	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000121U	0.00478	0.000121	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000157U	0.00478	0.000157	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.041	.038	mg/kg	92	84 - 118
1868-53-7	Dibromofluoromethane	.041	.04	mg/kg	97	65 - 135
2037-26-5	Toluene d8	.041	.043	mg/kg	104	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.041	.042	mg/kg	102	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20605120704	HA-11 (8-10)	Solid	05/11/2006 14:15	05/12/2006 10:00

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	05/12/2006 10:10	HLO	323149

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	13.7			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20605120705	HA-12 (8-10)	Solid	05/11/2006 14:05	05/12/2006 10:00

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	05/21/2006 16:34	JCK	323742

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000180U	0.00732	0.000180	mg/kg
75-34-3	1,1-Dichloroethane	0.000233U	0.00732	0.000233	mg/kg
75-35-4	1,1-Dichloroethene	0.000526U	0.00732	0.000526	mg/kg
56-23-5	Carbon tetrachloride	0.000176U	0.00732	0.000176	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
75-09-2	Methylene chloride	0.000701U	0.015	0.000701	mg/kg
127-18-4	**Tetrachloroethene**	**0.00191J**	**0.00732**	**0.000281**	**mg/kg**
79-01-6	**Trichloroethene**	**0.00353J**	**0.00732**	**0.000259**	**mg/kg**
75-01-4	Vinyl chloride	0.000514U	0.00732	0.000514	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000184U	0.00732	0.000184	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000240U	0.00732	0.000240	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.061	.061	mg/kg	100	84 - 118
1868-53-7	Dibromofluoromethane	.061	.059	mg/kg	97	65 - 135
2037-26-5	Toluene d8	.061	.064	mg/kg	106	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.061	.066	mg/kg	110	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20605120705	HA-12 (8-10)	Solid	05/11/2006 14:05	05/12/2006 10:00

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	05/12/2006 10:10	HLO	323149

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	17.3			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20605120706	HA-13 (8-10)	Solid	05/11/2006 13:50	05/12/2006 10:00

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	05/21/2006 15:27	JCK	323742

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000314U	0.013	0.000314	mg/kg
75-34-3	1,1-Dichloroethane	0.000405U	0.013	0.000405	mg/kg
75-35-4	1,1-Dichloroethene	0.000915U	0.013	0.000915	mg/kg
56-23-5	Carbon tetrachloride	0.000306U	0.013	0.000306	mg/kg
75-00-3	Chloroethane	0.00155U	0.013	0.00155	mg/kg
67-66-3	Chloroform	0.000360U	0.013	0.000360	mg/kg
75-09-2	Methylene chloride	0.00122U	0.026	0.00122	mg/kg
127-18-4	**Tetrachloroethene**	**0.00505J**	**0.013**	**0.000490**	**mg/kg**
79-01-6	Trichloroethene	0.000451U	0.013	0.000451	mg/kg
75-01-4	Vinyl chloride	0.000895U	0.013	0.000895	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000321U	0.013	0.000321	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000418U	0.013	0.000418	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.11	.11	mg/kg	100	84 - 118
1868-53-7	Dibromofluoromethane	.11	.117	mg/kg	107	65 - 135
2037-26-5	Toluene d8	.11	.127	mg/kg	116	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.11	.123	mg/kg	112	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20605120706	HA-13 (8-10)	Solid	05/11/2006 13:50	05/12/2006 10:00

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	05/12/2006 10:10	HLO	323149

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	14.0			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GC/MS Volatiles Quality Control Summary

Analytical Batch 323742	**Client ID**	MB323742	LCS323742	LCSD323742	
Prep Batch N/A	**GCAL ID**	372992	372993	372994	
	Sample Type	Method Blank	LCS	LCSD	
	Analytical Date	05/21/2006 12:36	05/21/2006 11:31	05/21/2006 11:53	
	Matrix	Solid	Solid	Solid	

8260B, Volatiles		**Units**	mg/kg	**Spike**			**Control**				
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
56-23-5	Carbon tetrachloride	0.000120U	0.000120	0.025	0.025	102	67 - 133	0.024	96	4	30
75-00-3	Chloroethane	0.000606U	0.000606	0.025	0.025	98	41 - 141	0.021	84	17	30
67-66-3	Chloroform	0.000141U	0.000141	0.025	0.024	95	72 - 124	0.021	86	13	30
75-34-3	1,1-Dichloroethane	0.000159U	0.000159	0.025	0.025	99	73 - 125	0.023	91	8	30
156-59-2	cis-1,2-Dichloroethene	0.000126U	0.000126	0.025	0.025	99	67 - 125	0.023	93	8	30
156-60-5	trans-1,2-Dichloroethene	0.000164U	0.000164	0.025	0.025	102	66 - 134	0.023	91	8	30
75-09-2	Methylene chloride	0.000479U	0.000479	0.025	0.025	100	63 - 137	0.023	92	8	30
127-18-4	Tetrachloroethene	0.000192U	0.000192	0.025	0.025	100	67 - 139	0.023	92	8	30
71-55-6	1,1,1-Trichloroethane	0.000123U	0.000123	0.025	0.026	104	68 - 130	0.024	94	8	30
75-01-4	Vinyl chloride	0.000351U	0.000351	0.025	0.024	97	58 - 126	0.021	85	13	30
75-35-4	1,1-Dichloroethene	0.000359U	0.000359	0.025	0.024	97	65 - 136	0.023	90	4	30
79-01-6	Trichloroethene	0.000177U	0.000177	0.025	0.025	99	77 - 124	0.023	93	8	30
Surrogate											
460-00-4	4-Bromofluorobenzene	53.5	107	50	51.3	103	84 - 118	52	104		
1868-53-7	Dibromofluoromethane	52.6	105	50	46.6	93	65 - 135	46.8	94		
2037-26-5	Toluene d8	57.8	116	50	50.8	102	84 - 116	53.9	108		
17060-07-0	1,2-Dichloroethane-d4	52.4	105	50	49.3	99	52 - 149	46.7	93		

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212101	B-13 (0-12)	Solid	10/19/2006 14:05	10/21/2006 11:30
20610212102	B-13 (8-10)	Solid	10/19/2006 11:00	10/21/2006 11:30
20610212103	B-14 (0-12)	Solid	10/19/2006 13:00	10/21/2006 11:30
20610212104	B-14 (8-10)	Solid	10/19/2006 13:45	10/21/2006 11:30
20610212105	B-15 (0-12)	Solid	10/19/2006 15:00	10/21/2006 11:30
20610212106	B-15 (6-8)	Solid	10/19/2006 15:30	10/21/2006 11:30
20610212107	B-16 (0-12)	Solid	10/19/2006 16:40	10/21/2006 11:30
20610212108	B-16 (6-8)	Solid	10/19/2006 17:00	10/21/2006 11:30

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212101	**B-13 (0-12)**	Solid	10/19/2006 14:05	10/21/2006 11:30

8270C, SemiVolatiles

CAS#	Parameter	Result	RDL	MDL	Units
83-32-9	Acenaphthene	0.428	4.01	0.105	mg/kg
120-12-7	Anthracene	1.58	4.01	0.115	mg/kg
56-55-3	Benzo(a)anthracene	4.92	4.01	0.107	mg/kg
50-32-8	Benzo(a)pyrene	4.26	4.01	0.106	mg/kg
205-99-2	Benzo(b)fluoranthene	5.40	4.01	0.074	mg/kg
191-24-2	Benzo(g,h,i)perylene	1.53	4.01	0.106	mg/kg
207-08-9	Benzo(k)fluoranthene	2.25	4.01	0.164	mg/kg
86-74-8	Carbazole	1.07	4.01	0.104	mg/kg
218-01-9	Chrysene	5.18	4.01	0.094	mg/kg
206-44-0	Fluoranthene	15.6	4.01	0.118	mg/kg
86-73-7	Fluorene	0.448	4.01	0.103	mg/kg
193-39-5	Indeno(1,2,3-cd)pyrene	2.94	4.01	0.170	mg/kg
85-01-8	Phenanthrene	6.21	4.01	0.130	mg/kg
129-00-0	Pyrene	7.01	4.01	0.126	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212103	**B-14 (0-12)**	Solid	10/19/2006 13:00	10/21/2006 11:30

8270C, SemiVolatiles

CAS#	Parameter	Result	RDL	MDL	Units
208-96-8	Acenaphthylene	0.123J	3.85	0.114	mg/kg
50-32-8	Benzo(a)pyrene	0.467J	3.85	0.102	mg/kg
205-99-2	Benzo(b)fluoranthene	0.576J	3.85	0.071	mg/kg
191-24-2	Benzo(g,h,i)perylene	0.196J	3.85	0.102	mg/kg
207-08-9	Benzo(k)fluoranthene	0.229J	3.85	0.158	mg/kg
218-01-9	Chrysene	0.540J	3.85	0.090	mg/kg
206-44-0	Fluoranthene	1.21J	3.85	0.113	mg/kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.536J	3.85	0.164	mg/kg
85-01-8	Phenanthrene	0.431J	3.85	0.125	mg/kg
129-00-0	Pyrene	0.580J	3.85	0.121	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212105	**B-15 (0-12)**	Solid	10/19/2006 15:00	10/21/2006 11:30

8270C, SemiVolatiles

CAS#	Parameter	Result	RDL	MDL	Units
208-96-8	Acenaphthylene	0.024J	0.401	0.012	mg/kg
120-12-7	Anthracene	0.025J	0.401	0.012	mg/kg
50-32-8	Benzo(a)pyrene	0.148J	0.401	0.011	mg/kg
205-99-2	Benzo(b)fluoranthene	0.157J	0.401	0.00744	mg/kg
191-24-2	Benzo(g,h,i)perylene	0.085J	0.401	0.011	mg/kg
207-08-9	Benzo(k)fluoranthene	0.096J	0.401	0.016	mg/kg
117-81-7	Bis(2-Ethylhexyl)phthalate	0.018J	0.401	0.011	mg/kg
86-74-8	Carbazole	0.021J	0.401	0.010	mg/kg
218-01-9	Chrysene	0.147J	0.401	0.00940	mg/kg

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212105	**B-15 (0-12)**	Solid	10/19/2006 15:00	10/21/2006 11:30

8270C, SemiVolatiles

CAS#	Parameter	Result	RDL	MDL	Units
206-44-0	Fluoranthene	0.234J	0.401	0.012	mg/kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.176J	0.401	0.017	mg/kg
85-01-8	Phenanthrene	0.103J	0.401	0.013	mg/kg
129-00-0	Pyrene	0.154J	0.401	0.013	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212107	**B-16 (0-12)**	Solid	10/19/2006 16:40	10/21/2006 11:30

8270C, SemiVolatiles

CAS#	Parameter	Result	RDL	MDL	Units
50-32-8	Benzo(a)pyrene	0.225J	3.71	0.098	mg/kg
205-99-2	Benzo(b)fluoranthene	0.268J	3.71	0.069	mg/kg
207-08-9	Benzo(k)fluoranthene	0.171J	3.71	0.152	mg/kg
218-01-9	Chrysene	0.293J	3.71	0.087	mg/kg
206-44-0	Fluoranthene	0.755J	3.71	0.109	mg/kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.376J	3.71	0.158	mg/kg
85-01-8	Phenanthrene	0.480J	3.71	0.121	mg/kg
129-00-0	Pyrene	0.345J	3.71	0.116	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212101	**B-13 (0-12)**	Solid	10/19/2006 14:05	10/21/2006 11:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	10/26/2006 21:52	AJV	335486

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	0.0171	0.469	0.017	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	3.82	4.13	mg/kg	108	62 - 127
1868-53-7	Dibromofluoromethane	3.82	4.24	mg/kg	111	65 - 130
2037-26-5	Toluene d8	3.82	4.23	mg/kg	111	71 - 132
17060-07-0	1,2-Dichloroethane-d4	3.82	4.06	mg/kg	106	62 - 125

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212101	**B-13 (0-12)**	Solid	10/19/2006 14:05	10/21/2006 11:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
10/22/2006 12:00	335125	3550B	10	10/24/2006 18:44	JAR3	335326

CAS#	Parameter	Result	RDL	MDL	Units
120-82-1	1,2,4-Trichlorobenzene	0.1281	4.01	0.128	mg/kg
95-50-1	1,2-Dichlorobenzene	0.1281	4.01	0.128	mg/kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	0.0871	4.01	0.087	mg/kg
541-73-1	1,3-Dichlorobenzene	0.1281	4.01	0.128	mg/kg
106-46-7	1,4-Dichlorobenzene	0.1101	4.01	0.110	mg/kg
95-95-4	2,4,5-Trichlorophenol	0.0821	4.01	0.082	mg/kg
88-06-2	2,4,6-Trichlorophenol	0.1801	4.01	0.180	mg/kg
120-83-2	2,4-Dichlorophenol	0.1051	4.01	0.105	mg/kg
51-28-5	2,4-Dinitrophenol	0.6871	20.3	0.687	mg/kg
121-14-2	2,4-Dinitrotoluene	0.1801	4.01	0.180	mg/kg
606-20-2	2,6-Dinitrotoluene	0.0971	4.01	0.097	mg/kg
91-58-7	2-Chloronaphthalene	0.1081	4.01	0.108	mg/kg
95-57-8	2-Chlorophenol	0.0641	4.01	0.064	mg/kg
91-57-6	2-Methylnaphthalene	0.1141	4.01	0.114	mg/kg
88-74-4	2-Nitroaniline	0.2631	20.3	0.263	mg/kg
88-75-5	2-Nitrophenol	0.1601	4.01	0.160	mg/kg
91-94-1	3,3'-Dichlorobenzidine	0.5041	8.02	0.504	mg/kg
99-09-2	3-Nitroaniline	0.1111	20.3	0.111	mg/kg
534-52-1	4,6-Dinitro-2-methylphenol	0.2101	20.3	0.210	mg/kg
59-50-7	4-Chloro-3-methylphenol	0.1611	4.01	0.161	mg/kg
106-47-8	4-Chloroaniline	0.3531	4.01	0.353	mg/kg
7005-72-3	4-Chlorophenyl phenyl ether	0.1071	4.01	0.107	mg/kg
83-32-9	**Acenaphthene**	**0.428**	**4.01**	**0.105**	**mg/kg**
208-96-8	Acenaphthylene	0.1181	4.01	0.118	mg/kg
62-53-3	Aniline	0.0781	4.01	0.078	mg/kg
120-12-7	**Anthracene**	**1.58**	**4.01**	**0.115**	**mg/kg**
92-87-5	Benzidine	0.5411	16.0	0.541	mg/kg
56-55-3	**Benzo(a)anthracene**	**4.92**	**4.01**	**0.107**	**mg/kg**
50-32-8	**Benzo(a)pyrene**	**4.26**	**4.01**	**0.106**	**mg/kg**
205-99-2	**Benzo(b)fluoranthene**	**5.40**	**4.01**	**0.074**	**mg/kg**
191-24-2	**Benzo(g,h,i)perylene**	**1.53**	**4.01**	**0.106**	**mg/kg**
207-08-9	**Benzo(k)fluoranthene**	**2.25**	**4.01**	**0.164**	**mg/kg**
65-85-0	Benzoic acid	1.871	20.3	1.87	mg/kg
100-51-6	Benzyl alcohol	0.1191	4.01	0.119	mg/kg
111-91-1	Bis(2-Chloroethoxy)methane	0.1381	4.01	0.138	mg/kg
111-44-4	Bis(2-Chloroethyl)ether	0.1251	4.01	0.125	mg/kg
108-60-1	Bis(2-Chloroisopropyl)ether	0.1561	4.01	0.156	mg/kg
117-81-7	Bis(2-Ethylhexyl)phthalate	0.1081	4.01	0.108	mg/kg
101-55-3	4-Bromophenyl phenyl ether	0.0981	4.01	0.098	mg/kg
85-68-7	Butyl benzyl phthalate	0.1311	4.01	0.131	mg/kg
86-74-8	**Carbazole**	**1.07**	**4.01**	**0.104**	**mg/kg**
218-01-9	**Chrysene**	**5.18**	**4.01**	**0.094**	**mg/kg**
84-74-2	Di-n-butyl phthalate	0.3001	4.01	0.300	mg/kg
117-84-0	Di-n-octyl phthalate	0.0871	4.01	0.087	mg/kg
53-70-3	Dibenz(a,h)anthracene	0.1011	4.01	0.101	mg/kg
132-64-9	Dibenzofuran	0.1491	4.01	0.149	mg/kg
84-66-2	Diethyl phthalate	0.1791	4.01	0.179	mg/kg
131-11-3	Dimethyl phthalate	0.1321	4.01	0.132	mg/kg
105-67-9	2,4-Dimethylphenol	0.2721	4.01	0.272	mg/kg
206-44-0	**Fluoranthene**	**15.6**	**4.01**	**0.118**	**mg/kg**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212101	**B-13 (0-12)**	Solid	10/19/2006 14:05	10/21/2006 11:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
10/22/2006 12:00	335125	3550B	10	10/24/2006 18:44	JAR3	335326

CAS#	Parameter	Result	RDL	MDL	Units
86-73-7	**Fluorene**	**0.448**	**4.01**	**0.103**	**mg/kg**
118-74-1	Hexachlorobenzene	0.1291	4.01	0.129	mg/kg
87-68-3	Hexachlorobutadiene	0.1541	4.01	0.154	mg/kg
77-47-4	Hexachlorocyclopentadiene	0.0871	4.01	0.087	mg/kg
67-72-1	Hexachloroethane	0.1681	4.01	0.168	mg/kg
193-39-5	**Indeno(1,2,3-cd)pyrene**	**2.94**	**4.01**	**0.170**	**mg/kg**
78-59-1	Isophorone	0.1021	4.01	0.102	mg/kg
91-20-3	Naphthalene	0.1171	4.01	0.117	mg/kg
100-01-6	4-Nitroaniline	0.2901	20.3	0.290	mg/kg
98-95-3	Nitrobenzene	0.1511	4.01	0.151	mg/kg
100-02-7	4-Nitrophenol	0.5271	20.3	0.527	mg/kg
87-86-5	Pentachlorophenol	1.041	20.3	1.04	mg/kg
85-01-8	**Phenanthrene**	**6.21**	**4.01**	**0.130**	**mg/kg**
108-95-2	Phenol	0.1301	4.01	0.130	mg/kg
129-00-0	**Pyrene**	**7.01**	**4.01**	**0.126**	**mg/kg**
110-86-1	Pyridine	0.2411	4.01	0.241	mg/kg
1319-77-3MP	m,p-Cresol	0.1491	4.01	0.149	mg/kg
621-64-7	n-Nitrosodi-n-propylamine	0.1081	4.01	0.108	mg/kg
62-75-9	n-Nitrosodimethylamine	0.5231	4.01	0.523	mg/kg
86-30-6	n-Nitrosodiphenylamine	0.1201	4.01	0.120	mg/kg
95-48-7	o-Cresol	0.1631	4.01	0.163	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.65	DO	mg/kg	**0***	40 - 120
321-60-8	2-Fluorobiphenyl	1.65	DO	mg/kg	**0***	37 - 124
1718-51-0	Terphenyl-d14	1.65	DO	mg/kg	**0***	28 - 151
4165-62-2	Phenol-d5	3.3	DO	mg/kg	**0***	40 - 114
367-12-4	2-Fluorophenol	3.3	DO	mg/kg	**0***	38 - 119
118-79-6	2,4,6-Tribromophenol	3.3	DO	mg/kg	**0***	25 - 115

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212101	**B-13 (0-12)**	Solid	10/19/2006 14:05	10/21/2006 11:30

TM - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/31/2006 13:25	RLY	335695

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**18.5**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212102	**B-13 (8-10)**	Solid	10/19/2006 11:00	10/21/2006 11:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/26/2006 18:56	VWM	335464

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	0.012U	0.012	0.000432	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.089	.079	mg/kg	88	62 - 127
1868-53-7	Dibromofluoromethane	.089	.091	mg/kg	102	65 - 130
2037-26-5	Toluene d8	.089	.092	mg/kg	102	71 - 132
17060-07-0	1,2-Dichloroethane-d4	.089	.091	mg/kg	102	62 - 125

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212102	**B-13 (8-10)**	Solid	10/19/2006 11:00	10/21/2006 11:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
10/22/2006 12:00	335125	3550B	1	10/24/2006 14:51	JAR3	335326

CAS#	Parameter	Result	RDL	MDL	Units
120-82-1	1,2,4-Trichlorobenzene	0.451U	0.451	0.014	mg/kg
95-50-1	1,2-Dichlorobenzene	0.451U	0.451	0.014	mg/kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	0.451U	0.451	0.00978	mg/kg
541-73-1	1,3-Dichlorobenzene	0.451U	0.451	0.014	mg/kg
106-46-7	1,4-Dichlorobenzene	0.451U	0.451	0.012	mg/kg
95-95-4	2,4,5-Trichlorophenol	0.451U	0.451	0.00917	mg/kg
88-06-2	2,4,6-Trichlorophenol	0.451U	0.451	0.020	mg/kg
120-83-2	2,4-Dichlorophenol	0.451U	0.451	0.012	mg/kg
51-28-5	2,4-Dinitrophenol	2.28U	2.28	0.077	mg/kg
121-14-2	2,4-Dinitrotoluene	0.451U	0.451	0.020	mg/kg
606-20-2	2,6-Dinitrotoluene	0.451U	0.451	0.011	mg/kg
91-58-7	2-Chloronaphthalene	0.451U	0.451	0.012	mg/kg
95-57-8	2-Chlorophenol	0.451U	0.451	0.00721	mg/kg
91-57-6	2-Methylnaphthalene	0.451U	0.451	0.013	mg/kg
88-74-4	2-Nitroaniline	2.28U	2.28	0.030	mg/kg
88-75-5	2-Nitrophenol	0.451U	0.451	0.018	mg/kg
91-94-1	3,3'-Dichlorobenzidine	0.901U	0.901	0.057	mg/kg
99-09-2	3-Nitroaniline	2.28U	2.28	0.012	mg/kg
534-52-1	4,6-Dinitro-2-methylphenol	2.28U	2.28	0.024	mg/kg
59-50-7	4-Chloro-3-methylphenol	0.451U	0.451	0.018	mg/kg
106-47-8	4-Chloroaniline	0.451U	0.451	0.040	mg/kg
7005-72-3	4-Chlorophenyl phenyl ether	0.451U	0.451	0.012	mg/kg
83-32-9	Acenaphthene	0.451U	0.451	0.012	mg/kg
208-96-8	Acenaphthylene	0.451U	0.451	0.013	mg/kg
62-53-3	Aniline	0.451U	0.451	0.00874	mg/kg
120-12-7	Anthracene	0.451U	0.451	0.013	mg/kg
92-87-5	Benzidine	1.80U	1.80	0.061	mg/kg
56-55-3	Benzo(a)anthracene	0.451U	0.451	0.012	mg/kg
50-32-8	Benzo(a)pyrene	0.451U	0.451	0.012	mg/kg
205-99-2	Benzo(b)fluoranthene	0.451U	0.451	0.00835	mg/kg
191-24-2	Benzo(g,h,i)perylene	0.451U	0.451	0.012	mg/kg
207-08-9	Benzo(k)fluoranthene	0.451U	0.451	0.018	mg/kg
65-85-0	Benzoic acid	2.28U	2.28	0.210	mg/kg
100-51-6	Benzyl alcohol	0.451U	0.451	0.013	mg/kg
111-91-1	Bis(2-Chloroethoxy)methane	0.451U	0.451	0.016	mg/kg
111-44-4	Bis(2-Chloroethyl)ether	0.451U	0.451	0.014	mg/kg
108-60-1	Bis(2-Chloroisopropyl)ether	0.451U	0.451	0.018	mg/kg
117-81-7	Bis(2-Ethylhexyl)phthalate	0.451U	0.451	0.012	mg/kg
101-55-3	4-Bromophenyl phenyl ether	0.451U	0.451	0.011	mg/kg
85-68-7	Butyl benzyl phthalate	0.451U	0.451	0.015	mg/kg
86-74-8	Carbazole	0.451U	0.451	0.012	mg/kg
218-01-9	Chrysene	0.451U	0.451	0.011	mg/kg
84-74-2	Di-n-butyl phthalate	0.451U	0.451	0.034	mg/kg
117-84-0	Di-n-octyl phthalate	0.451U	0.451	0.00982	mg/kg
53-70-3	Dibenz(a,h)anthracene	0.451U	0.451	0.011	mg/kg
132-64-9	Dibenzofuran	0.451U	0.451	0.017	mg/kg
84-66-2	Diethyl phthalate	0.451U	0.451	0.020	mg/kg
131-11-3	Dimethyl phthalate	0.451U	0.451	0.015	mg/kg
105-67-9	2,4-Dimethylphenol	0.451U	0.451	0.031	mg/kg
206-44-0	Fluoranthene	0.451U	0.451	0.013	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212102	**B-13 (8-10)**	Solid	10/19/2006 11:00	10/21/2006 11:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
10/22/2006 12:00	335125	3550B	1	10/24/2006 14:51	JAR3	335326

CAS#	Parameter	Result	RDL	MDL	Units
86-73-7	Fluorene	0.451U	0.451	0.012	mg/kg
118-74-1	Hexachlorobenzene	0.451U	0.451	0.015	mg/kg
87-68-3	Hexachlorobutadiene	0.451U	0.451	0.017	mg/kg
77-47-4	Hexachlorocyclopentadiene	0.451U	0.451	0.00978	mg/kg
67-72-1	Hexachloroethane	0.451U	0.451	0.019	mg/kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.451U	0.451	0.019	mg/kg
78-59-1	Isophorone	0.451U	0.451	0.011	mg/kg
91-20-3	Naphthalene	0.451U	0.451	0.013	mg/kg
100-01-6	4-Nitroaniline	2.28U	2.28	0.033	mg/kg
98-95-3	Nitrobenzene	0.451U	0.451	0.017	mg/kg
100-02-7	4-Nitrophenol	2.28U	2.28	0.059	mg/kg
87-86-5	Pentachlorophenol	2.28U	2.28	0.117	mg/kg
85-01-8	Phenanthrene	0.451U	0.451	0.015	mg/kg
108-95-2	Phenol	0.451U	0.451	0.015	mg/kg
129-00-0	Pyrene	0.451U	0.451	0.014	mg/kg
110-86-1	Pyridine	0.451U	0.451	0.027	mg/kg
1319-77-3MP	m,p-Cresol	0.451U	0.451	0.017	mg/kg
621-64-7	n-Nitrosodi-n-propylamine	0.451U	0.451	0.012	mg/kg
62-75-9	n-Nitrosodimethylamine	0.451U	0.451	0.059	mg/kg
86-30-6	n-Nitrosodiphenylamine	0.451U	0.451	0.013	mg/kg
95-48-7	o-Cresol	0.451U	0.451	0.018	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.67	1.06	mg/kg	64	40 - 120
321-60-8	2-Fluorobiphenyl	1.67	.91	mg/kg	55	37 - 124
1718-51-0	Terphenyl-d14	1.67	1.63	mg/kg	98	28 - 151
4165-62-2	Phenol-d5	3.33	2.35	mg/kg	71	40 - 114
367-12-4	2-Fluorophenol	3.33	2.02	mg/kg	61	38 - 119
118-79-6	2,4,6-Tribromophenol	3.33	1.67	mg/kg	50	25 - 115

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212102	**B-13 (8-10)**	Solid	10/19/2006 11:00	10/21/2006 11:30

TM - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/31/2006 13:25	RLY	335695

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**26.8**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212103	**B-14 (0-12)**	Solid	10/19/2006 13:00	10/21/2006 11:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	10/26/2006 22:17	AJV	335486

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	0.511U	0.511	0.018	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	4.36	4.76	mg/kg	109	62 - 127
1868-53-7	Dibromofluoromethane	4.36	4.81	mg/kg	110	65 - 130
2037-26-5	Toluene d8	4.36	4.95	mg/kg	114	71 - 132
17060-07-0	1,2-Dichloroethane-d4	4.36	4.63	mg/kg	106	62 - 125

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212103	**B-14 (0-12)**	Solid	10/19/2006 13:00	10/21/2006 11:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
10/22/2006 12:00	335125	3550B	10	10/24/2006 19:30	JAR3	335326

CAS#	Parameter	Result	RDL	MDL	Units
120-82-1	1,2,4-Trichlorobenzene	3.85U	3.85	0.123	mg/kg
95-50-1	1,2-Dichlorobenzene	3.85U	3.85	0.123	mg/kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	3.85U	3.85	0.083	mg/kg
541-73-1	1,3-Dichlorobenzene	3.85U	3.85	0.122	mg/kg
106-46-7	1,4-Dichlorobenzene	3.85U	3.85	0.106	mg/kg
95-95-4	2,4,5-Trichlorophenol	3.85U	3.85	0.078	mg/kg
88-06-2	2,4,6-Trichlorophenol	3.85U	3.85	0.173	mg/kg
120-83-2	2,4-Dichlorophenol	3.85U	3.85	0.100	mg/kg
51-28-5	2,4-Dinitrophenol	19.5U	19.5	0.659	mg/kg
121-14-2	2,4-Dinitrotoluene	3.85U	3.85	0.173	mg/kg
606-20-2	2,6-Dinitrotoluene	3.85U	3.85	0.093	mg/kg
91-58-7	2-Chloronaphthalene	3.85U	3.85	0.104	mg/kg
95-57-8	2-Chlorophenol	3.85U	3.85	0.062	mg/kg
91-57-6	2-Methylnaphthalene	3.85U	3.85	0.109	mg/kg
88-74-4	2-Nitroaniline	19.5U	19.5	0.252	mg/kg
88-75-5	2-Nitrophenol	3.85U	3.85	0.153	mg/kg
91-94-1	3,3'-Dichlorobenzidine	7.69U	7.69	0.483	mg/kg
99-09-2	3-Nitroaniline	19.5U	19.5	0.106	mg/kg
534-52-1	4,6-Dinitro-2-methylphenol	19.5U	19.5	0.202	mg/kg
59-50-7	4-Chloro-3-methylphenol	3.85U	3.85	0.154	mg/kg
106-47-8	4-Chloroaniline	3.85U	3.85	0.339	mg/kg
7005-72-3	4-Chlorophenyl phenyl ether	3.85U	3.85	0.102	mg/kg
83-32-9	Acenaphthene	3.85U	3.85	0.100	mg/kg
208-96-8	**Acenaphthylene**	**0.123J**	**3.85**	**0.114**	**mg/kg**
62-53-3	Aniline	3.85U	3.85	0.075	mg/kg
120-12-7	Anthracene	3.85U	3.85	0.110	mg/kg
92-87-5	Benzidine	15.4U	15.4	0.519	mg/kg
56-55-3	Benzo(a)anthracene	3.85U	3.85	0.103	mg/kg
50-32-8	**Benzo(a)pyrene**	**0.467J**	**3.85**	**0.102**	**mg/kg**
205-99-2	**Benzo(b)fluoranthene**	**0.576J**	**3.85**	**0.071**	**mg/kg**
191-24-2	**Benzo(g,h,i)perylene**	**0.196J**	**3.85**	**0.102**	**mg/kg**
207-08-9	**Benzo(k)fluoranthene**	**0.229J**	**3.85**	**0.158**	**mg/kg**
65-85-0	Benzoic acid	19.5U	19.5	1.80	mg/kg
100-51-6	Benzyl alcohol	3.85U	3.85	0.114	mg/kg
111-91-1	Bis(2-Chloroethoxy)methane	3.85U	3.85	0.133	mg/kg
111-44-4	Bis(2-Chloroethyl)ether	3.85U	3.85	0.120	mg/kg
108-60-1	Bis(2-Chloroisopropyl)ether	3.85U	3.85	0.149	mg/kg
117-81-7	Bis(2-Ethylhexyl)phthalate	3.85U	3.85	0.104	mg/kg
101-55-3	4-Bromophenyl phenyl ether	3.85U	3.85	0.094	mg/kg
85-68-7	Butyl benzyl phthalate	3.85U	3.85	0.126	mg/kg
86-74-8	Carbazole	3.85U	3.85	0.099	mg/kg
218-01-9	**Chrysene**	**0.540J**	**3.85**	**0.090**	**mg/kg**
84-74-2	Di-n-butyl phthalate	3.85U	3.85	0.288	mg/kg
117-84-0	Di-n-octyl phthalate	3.85U	3.85	0.084	mg/kg
53-70-3	Dibenz(a,h)anthracene	3.85U	3.85	0.097	mg/kg
132-64-9	Dibenzofuran	3.85U	3.85	0.143	mg/kg
84-66-2	Diethyl phthalate	3.85U	3.85	0.171	mg/kg
131-11-3	Dimethyl phthalate	3.85U	3.85	0.127	mg/kg
105-67-9	2,4-Dimethylphenol	3.85U	3.85	0.261	mg/kg
206-44-0	**Fluoranthene**	**1.21J**	**3.85**	**0.113**	**mg/kg**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212103	**B-14 (0-12)**	Solid	10/19/2006 13:00	10/21/2006 11:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
10/22/2006 12:00	335125	3550B	10	10/24/2006 19:30	JAR3	335326

CAS#	Parameter	Result	RDL	MDL	Units
86-73-7	Fluorene	3.85U	3.85	0.099	mg/kg
118-74-1	Hexachlorobenzene	3.85U	3.85	0.124	mg/kg
87-68-3	Hexachlorobutadiene	3.85U	3.85	0.147	mg/kg
77-47-4	Hexachlorocyclopentadiene	3.85U	3.85	0.083	mg/kg
67-72-1	Hexachloroethane	3.85U	3.85	0.161	mg/kg
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.536J**	**3.85**	**0.164**	**mg/kg**
78-59-1	Isophorone	3.85U	3.85	0.098	mg/kg
91-20-3	Naphthalene	3.85U	3.85	0.113	mg/kg
100-01-6	4-Nitroaniline	19.5U	19.5	0.278	mg/kg
98-95-3	Nitrobenzene	3.85U	3.85	0.144	mg/kg
100-02-7	4-Nitrophenol	19.5U	19.5	0.506	mg/kg
87-86-5	Pentachlorophenol	19.5U	19.5	1.00	mg/kg
85-01-8	**Phenanthrene**	**0.431J**	**3.85**	**0.125**	**mg/kg**
108-95-2	Phenol	3.85U	3.85	0.125	mg/kg
129-00-0	**Pyrene**	**0.580J**	**3.85**	**0.121**	**mg/kg**
110-86-1	Pyridine	3.85U	3.85	0.231	mg/kg
1319-77-3MP	m,p-Cresol	3.85U	3.85	0.143	mg/kg
621-64-7	n-Nitrosodi-n-propylamine	3.85U	3.85	0.104	mg/kg
62-75-9	n-Nitrosodimethylamine	3.85U	3.85	0.502	mg/kg
86-30-6	n-Nitrosodiphenylamine	3.85U	3.85	0.115	mg/kg
95-48-7	o-Cresol	3.85U	3.85	0.157	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.66	DO	mg/kg	**0***	40 - 120
321-60-8	2-Fluorobiphenyl	1.66	DO	mg/kg	**0***	37 - 124
1718-51-0	Terphenyl-d14	1.66	DO	mg/kg	**0***	28 - 151
4165-62-2	Phenol-d5	3.31	DO	mg/kg	**0***	40 - 114
367-12-4	2-Fluorophenol	3.31	DO	mg/kg	**0***	38 - 119
118-79-6	2,4,6-Tribromophenol	3.31	DO	mg/kg	**0***	25 - 115

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212103	**B-14 (0-12)**	Solid	10/19/2006 13:00	10/21/2006 11:30

TM - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/31/2006 13:25	RLY	335695

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**14.8**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212104	**B-14 (8-10)**	Solid	10/19/2006 13:45	10/21/2006 11:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/26/2006 16:52	VWM	335464

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	0.025U	0.025	0.000887	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.212	.185	mg/kg	87	62 - 127
1868-53-7	Dibromofluoromethane	.212	.215	mg/kg	101	65 - 130
2037-26-5	Toluene d8	.212	.214	mg/kg	101	71 - 132
17060-07-0	1,2-Dichloroethane-d4	.212	.223	mg/kg	105	62 - 125

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212104	**B-14 (8-10)**	Solid	10/19/2006 13:45	10/21/2006 11:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
10/22/2006 12:00	335125	3550B	1	10/24/2006 15:22	JAR3	335326

CAS#	Parameter	Result	RDL	MDL	Units
120-82-1	1,2,4-Trichlorobenzene	0.385U	0.385	0.012	mg/kg
95-50-1	1,2-Dichlorobenzene	0.385U	0.385	0.012	mg/kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	0.385U	0.385	0.00836	mg/kg
541-73-1	1,3-Dichlorobenzene	0.385U	0.385	0.012	mg/kg
106-46-7	1,4-Dichlorobenzene	0.385U	0.385	0.011	mg/kg
95-95-4	2,4,5-Trichlorophenol	0.385U	0.385	0.00784	mg/kg
88-06-2	2,4,6-Trichlorophenol	0.385U	0.385	0.017	mg/kg
120-83-2	2,4-Dichlorophenol	0.385U	0.385	0.010	mg/kg
51-28-5	2,4-Dinitrophenol	1.95U	1.95	0.066	mg/kg
121-14-2	2,4-Dinitrotoluene	0.385U	0.385	0.017	mg/kg
606-20-2	2,6-Dinitrotoluene	0.385U	0.385	0.00934	mg/kg
91-58-7	2-Chloronaphthalene	0.385U	0.385	0.010	mg/kg
95-57-8	2-Chlorophenol	0.385U	0.385	0.00616	mg/kg
91-57-6	2-Methylnaphthalene	0.385U	0.385	0.011	mg/kg
88-74-4	2-Nitroaniline	1.95U	1.95	0.025	mg/kg
88-75-5	2-Nitrophenol	0.385U	0.385	0.015	mg/kg
91-94-1	3,3'-Dichlorobenzidine	0.770U	0.770	0.048	mg/kg
99-09-2	3-Nitroaniline	1.95U	1.95	0.011	mg/kg
534-52-1	4,6-Dinitro-2-methylphenol	1.95U	1.95	0.020	mg/kg
59-50-7	4-Chloro-3-methylphenol	0.385U	0.385	0.015	mg/kg
106-47-8	4-Chloroaniline	0.385U	0.385	0.034	mg/kg
7005-72-3	4-Chlorophenyl phenyl ether	0.385U	0.385	0.010	mg/kg
83-32-9	Acenaphthene	0.385U	0.385	0.010	mg/kg
208-96-8	Acenaphthylene	0.385U	0.385	0.011	mg/kg
62-53-3	Aniline	0.385U	0.385	0.00747	mg/kg
120-12-7	Anthracene	0.385U	0.385	0.011	mg/kg
92-87-5	Benzidine	1.54U	1.54	0.052	mg/kg
56-55-3	Benzo(a)anthracene	0.385U	0.385	0.010	mg/kg
50-32-8	Benzo(a)pyrene	0.385U	0.385	0.010	mg/kg
205-99-2	Benzo(b)fluoranthene	0.385U	0.385	0.00714	mg/kg
191-24-2	Benzo(g,h,i)perylene	0.385U	0.385	0.010	mg/kg
207-08-9	Benzo(k)fluoranthene	0.385U	0.385	0.016	mg/kg
65-85-0	Benzoic acid	1.95U	1.95	0.180	mg/kg
100-51-6	Benzyl alcohol	0.385U	0.385	0.011	mg/kg
111-91-1	Bis(2-Chloroethoxy)methane	0.385U	0.385	0.013	mg/kg
111-44-4	Bis(2-Chloroethyl)ether	0.385U	0.385	0.012	mg/kg
108-60-1	Bis(2-Chloroisopropyl)ether	0.385U	0.385	0.015	mg/kg
117-81-7	Bis(2-Ethylhexyl)phthalate	0.385U	0.385	0.010	mg/kg
101-55-3	4-Bromophenyl phenyl ether	0.385U	0.385	0.00940	mg/kg
85-68-7	Butyl benzyl phthalate	0.385U	0.385	0.013	mg/kg
86-74-8	Carbazole	0.385U	0.385	0.00995	mg/kg
218-01-9	Chrysene	0.385U	0.385	0.00901	mg/kg
84-74-2	Di-n-butyl phthalate	0.385U	0.385	0.029	mg/kg
117-84-0	Di-n-octyl phthalate	0.385U	0.385	0.00839	mg/kg
53-70-3	Dibenz(a,h)anthracene	0.385U	0.385	0.00974	mg/kg
132-64-9	Dibenzofuran	0.385U	0.385	0.014	mg/kg
84-66-2	Diethyl phthalate	0.385U	0.385	0.017	mg/kg
131-11-3	Dimethyl phthalate	0.385U	0.385	0.013	mg/kg
105-67-9	2,4-Dimethylphenol	0.385U	0.385	0.026	mg/kg
206-44-0	Fluoranthene	0.385U	0.385	0.011	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212104	**B-14 (8-10)**	Solid	10/19/2006 13:45	10/21/2006 11:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
10/22/2006 12:00	335125	3550B	1	10/24/2006 15:22	JAR3	335326

CAS#	Parameter	Result	RDL	MDL	Units
86-73-7	Fluorene	0.385U	0.385	0.00991	mg/kg
118-74-1	Hexachlorobenzene	0.385U	0.385	0.012	mg/kg
87-68-3	Hexachlorobutadiene	0.385U	0.385	0.015	mg/kg
77-47-4	Hexachlorocyclopentadiene	0.385U	0.385	0.00836	mg/kg
67-72-1	Hexachloroethane	0.385U	0.385	0.016	mg/kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.385U	0.385	0.016	mg/kg
78-59-1	Isophorone	0.385U	0.385	0.00981	mg/kg
91-20-3	Naphthalene	0.385U	0.385	0.011	mg/kg
100-01-6	4-Nitroaniline	1.95U	1.95	0.028	mg/kg
98-95-3	Nitrobenzene	0.385U	0.385	0.014	mg/kg
100-02-7	4-Nitrophenol	1.95U	1.95	0.051	mg/kg
87-86-5	Pentachlorophenol	1.95U	1.95	0.100	mg/kg
85-01-8	Phenanthrene	0.385U	0.385	0.013	mg/kg
108-95-2	Phenol	0.385U	0.385	0.013	mg/kg
129-00-0	Pyrene	0.385U	0.385	0.012	mg/kg
110-86-1	Pyridine	0.385U	0.385	0.023	mg/kg
1319-77-3MP	m,p-Cresol	0.385U	0.385	0.014	mg/kg
621-64-7	n-Nitrosodi-n-propylamine	0.385U	0.385	0.010	mg/kg
62-75-9	n-Nitrosodimethylamine	0.385U	0.385	0.050	mg/kg
86-30-6	n-Nitrosodiphenylamine	0.385U	0.385	0.011	mg/kg
95-48-7	o-Cresol	0.385U	0.385	0.016	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.64	1.29	mg/kg	78	40 - 120
321-60-8	2-Fluorobiphenyl	1.64	1.29	mg/kg	78	37 - 124
1718-51-0	Terphenyl-d14	1.64	1.26	mg/kg	77	28 - 151
4165-62-2	Phenol-d5	3.29	2.31	mg/kg	70	40 - 114
367-12-4	2-Fluorophenol	3.29	2.17	mg/kg	66	38 - 119
118-79-6	2,4,6-Tribromophenol	3.29	2.23	mg/kg	68	25 - 115

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212104	**B-14 (8-10)**	Solid	10/19/2006 13:45	10/21/2006 11:30

TM - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/31/2006 13:25	RLY	335695

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**15.4**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212105	**B-15 (0-12)**	Solid	10/19/2006 15:00	10/21/2006 11:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	10/26/2006 22:42	AJV	335486

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	0.539U	0.539	0.019	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	4.4	4.68	mg/kg	106	62 - 127
1868-53-7	Dibromofluoromethane	4.4	4.8	mg/kg	109	65 - 130
2037-26-5	Toluene d8	4.4	4.86	mg/kg	110	71 - 132
17060-07-0	1,2-Dichloroethane-d4	4.4	4.64	mg/kg	105	62 - 125

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212105	**B-15 (0-12)**	Solid	10/19/2006 15:00	10/21/2006 11:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
10/22/2006 12:00	335125	3550B	1	10/24/2006 15:37	JAR3	335326

CAS#	Parameter	Result	RDL	MDL	Units
120-82-1	1,2,4-Trichlorobenzene	0.401U	0.401	0.013	mg/kg
95-50-1	1,2-Dichlorobenzene	0.401U	0.401	0.013	mg/kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	0.401U	0.401	0.00871	mg/kg
541-73-1	1,3-Dichlorobenzene	0.401U	0.401	0.013	mg/kg
106-46-7	1,4-Dichlorobenzene	0.401U	0.401	0.011	mg/kg
95-95-4	2,4,5-Trichlorophenol	0.401U	0.401	0.00817	mg/kg
88-06-2	2,4,6-Trichlorophenol	0.401U	0.401	0.018	mg/kg
120-83-2	2,4-Dichlorophenol	0.401U	0.401	0.010	mg/kg
51-28-5	2,4-Dinitrophenol	2.03U	2.03	0.069	mg/kg
121-14-2	2,4-Dinitrotoluene	0.401U	0.401	0.018	mg/kg
606-20-2	2,6-Dinitrotoluene	0.401U	0.401	0.00973	mg/kg
91-58-7	2-Chloronaphthalene	0.401U	0.401	0.011	mg/kg
95-57-8	2-Chlorophenol	0.401U	0.401	0.00642	mg/kg
91-57-6	2-Methylnaphthalene	0.401U	0.401	0.011	mg/kg
88-74-4	2-Nitroaniline	2.03U	2.03	0.026	mg/kg
88-75-5	2-Nitrophenol	0.401U	0.401	0.016	mg/kg
91-94-1	3,3'-Dichlorobenzidine	0.803U	0.803	0.050	mg/kg
99-09-2	3-Nitroaniline	2.03U	2.03	0.011	mg/kg
534-52-1	4,6-Dinitro-2-methylphenol	2.03U	2.03	0.021	mg/kg
59-50-7	4-Chloro-3-methylphenol	0.401U	0.401	0.016	mg/kg
106-47-8	4-Chloroaniline	0.401U	0.401	0.035	mg/kg
7005-72-3	4-Chlorophenyl phenyl ether	0.401U	0.401	0.011	mg/kg
83-32-9	Acenaphthene	0.401U	0.401	0.010	mg/kg
208-96-8	**Acenaphthylene**	**0.024J**	**0.401**	**0.012**	**mg/kg**
62-53-3	Aniline	0.401U	0.401	0.00779	mg/kg
120-12-7	**Anthracene**	**0.025J**	**0.401**	**0.012**	**mg/kg**
92-87-5	Benzidine	1.61U	1.61	0.054	mg/kg
56-55-3	Benzo(a)anthracene	0.401U	0.401	0.011	mg/kg
50-32-8	**Benzo(a)pyrene**	**0.148J**	**0.401**	**0.011**	**mg/kg**
205-99-2	**Benzo(b)fluoranthene**	**0.157J**	**0.401**	**0.00744**	**mg/kg**
191-24-2	**Benzo(g,h,i)perylene**	**0.085J**	**0.401**	**0.011**	**mg/kg**
207-08-9	**Benzo(k)fluoranthene**	**0.096J**	**0.401**	**0.016**	**mg/kg**
65-85-0	Benzoic acid	2.03U	2.03	0.187	mg/kg
100-51-6	Benzyl alcohol	0.401U	0.401	0.012	mg/kg
111-91-1	Bis(2-Chloroethoxy)methane	0.401U	0.401	0.014	mg/kg
111-44-4	Bis(2-Chloroethyl)ether	0.401U	0.401	0.013	mg/kg
108-60-1	Bis(2-Chloroisopropyl)ether	0.401U	0.401	0.016	mg/kg
117-81-7	**Bis(2-Ethylhexyl)phthalate**	**0.018J**	**0.401**	**0.011**	**mg/kg**
101-55-3	4-Bromophenyl phenyl ether	0.401U	0.401	0.00980	mg/kg
85-68-7	Butyl benzyl phthalate	0.401U	0.401	0.013	mg/kg
86-74-8	**Carbazole**	**0.021J**	**0.401**	**0.010**	**mg/kg**
218-01-9	**Chrysene**	**0.147J**	**0.401**	**0.00940**	**mg/kg**
84-74-2	Di-n-butyl phthalate	0.401U	0.401	0.030	mg/kg
117-84-0	Di-n-octyl phthalate	0.401U	0.401	0.00875	mg/kg
53-70-3	Dibenz(a,h)anthracene	0.401U	0.401	0.010	mg/kg
132-64-9	Dibenzofuran	0.401U	0.401	0.015	mg/kg
84-66-2	Diethyl phthalate	0.401U	0.401	0.018	mg/kg
131-11-3	Dimethyl phthalate	0.401U	0.401	0.013	mg/kg
105-67-9	2,4-Dimethylphenol	0.401U	0.401	0.027	mg/kg
206-44-0	**Fluoranthene**	**0.234J**	**0.401**	**0.012**	**mg/kg**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212105	**B-15 (0-12)**	Solid	10/19/2006 15:00	10/21/2006 11:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
10/22/2006 12:00	335125	3550B	1	10/24/2006 15:37	JAR3	335326

CAS#	Parameter	Result	RDL	MDL	Units
86-73-7	Fluorene	0.401U	0.401	0.010	mg/kg
118-74-1	Hexachlorobenzene	0.401U	0.401	0.013	mg/kg
87-68-3	Hexachlorobutadiene	0.401U	0.401	0.015	mg/kg
77-47-4	Hexachlorocyclopentadiene	0.401U	0.401	0.00871	mg/kg
67-72-1	Hexachloroethane	0.401U	0.401	0.017	mg/kg
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.176J**	**0.401**	**0.017**	**mg/kg**
78-59-1	Isophorone	0.401U	0.401	0.010	mg/kg
91-20-3	Naphthalene	0.401U	0.401	0.012	mg/kg
100-01-6	4-Nitroaniline	2.03U	2.03	0.029	mg/kg
98-95-3	Nitrobenzene	0.401U	0.401	0.015	mg/kg
100-02-7	4-Nitrophenol	2.03U	2.03	0.053	mg/kg
87-86-5	Pentachlorophenol	2.03U	2.03	0.105	mg/kg
85-01-8	**Phenanthrene**	**0.103J**	**0.401**	**0.013**	**mg/kg**
108-95-2	Phenol	0.401U	0.401	0.013	mg/kg
129-00-0	**Pyrene**	**0.154J**	**0.401**	**0.013**	**mg/kg**
110-86-1	Pyridine	0.401U	0.401	0.024	mg/kg
1319-77-3MP	m,p-Cresol	0.401U	0.401	0.015	mg/kg
621-64-7	n-Nitrosodi-n-propylamine	0.401U	0.401	0.011	mg/kg
62-75-9	n-Nitrosodimethylamine	0.401U	0.401	0.052	mg/kg
86-30-6	n-Nitrosodiphenylamine	0.401U	0.401	0.012	mg/kg
95-48-7	o-Cresol	0.401U	0.401	0.016	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.66	1.27	mg/kg	77	40 - 120
321-60-8	2-Fluorobiphenyl	1.66	1.35	mg/kg	82	37 - 124
1718-51-0	Terphenyl-d14	1.66	1.09	mg/kg	66	28 - 151
4165-62-2	Phenol-d5	3.31	2.16	mg/kg	65	40 - 114
367-12-4	2-Fluorophenol	3.31	2.03	mg/kg	61	38 - 119
118-79-6	2,4,6-Tribromophenol	3.31	1.91	mg/kg	58	25 - 115

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212105	**B-15 (0-12)**	Solid	10/19/2006 15:00	10/21/2006 11:30

TM - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/31/2006 13:25	RLY	335695

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**18.3**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212106	**B-15 (6-8)**	Solid	10/19/2006 15:30	10/21/2006 11:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/26/2006 17:33	VWM	335464

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	0.027U	0.027	0.000958	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.231	.205	mg/kg	89	62 - 127
1868-53-7	Dibromofluoromethane	.231	.236	mg/kg	102	65 - 130
2037-26-5	Toluene d8	.231	.231	mg/kg	100	71 - 132
17060-07-0	1,2-Dichloroethane-d4	.231	.231	mg/kg	100	62 - 125

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212106	**B-15 (6-8)**	Solid	10/19/2006 15:30	10/21/2006 11:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
10/22/2006 12:00	335125	3550B	1	10/24/2006 15:53	JAR3	335326

CAS#	Parameter	Result	RDL	MDL	Units
120-82-1	1,2,4-Trichlorobenzene	0.385U	0.385	0.012	mg/kg
95-50-1	1,2-Dichlorobenzene	0.385U	0.385	0.012	mg/kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	0.385U	0.385	0.00835	mg/kg
541-73-1	1,3-Dichlorobenzene	0.385U	0.385	0.012	mg/kg
106-46-7	1,4-Dichlorobenzene	0.385U	0.385	0.011	mg/kg
95-95-4	2,4,5-Trichlorophenol	0.385U	0.385	0.00783	mg/kg
88-06-2	2,4,6-Trichlorophenol	0.385U	0.385	0.017	mg/kg
120-83-2	2,4-Dichlorophenol	0.385U	0.385	0.010	mg/kg
51-28-5	2,4-Dinitrophenol	1.95U	1.95	0.066	mg/kg
121-14-2	2,4-Dinitrotoluene	0.385U	0.385	0.017	mg/kg
606-20-2	2,6-Dinitrotoluene	0.385U	0.385	0.00932	mg/kg
91-58-7	2-Chloronaphthalene	0.385U	0.385	0.010	mg/kg
95-57-8	2-Chlorophenol	0.385U	0.385	0.00615	mg/kg
91-57-6	2-Methylnaphthalene	0.385U	0.385	0.011	mg/kg
88-74-4	2-Nitroaniline	1.95U	1.95	0.025	mg/kg
88-75-5	2-Nitrophenol	0.385U	0.385	0.015	mg/kg
91-94-1	3,3'-Dichlorobenzidine	0.769U	0.769	0.048	mg/kg
99-09-2	3-Nitroaniline	1.95U	1.95	0.011	mg/kg
534-52-1	4,6-Dinitro-2-methylphenol	1.95U	1.95	0.020	mg/kg
59-50-7	4-Chloro-3-methylphenol	0.385U	0.385	0.015	mg/kg
106-47-8	4-Chloroaniline	0.385U	0.385	0.034	mg/kg
7005-72-3	4-Chlorophenyl phenyl ether	0.385U	0.385	0.010	mg/kg
83-32-9	Acenaphthene	0.385U	0.385	0.010	mg/kg
208-96-8	Acenaphthylene	0.385U	0.385	0.011	mg/kg
62-53-3	Aniline	0.385U	0.385	0.00746	mg/kg
120-12-7	Anthracene	0.385U	0.385	0.011	mg/kg
92-87-5	Benzidine	1.54U	1.54	0.052	mg/kg
56-55-3	Benzo(a)anthracene	0.385U	0.385	0.010	mg/kg
50-32-8	Benzo(a)pyrene	0.385U	0.385	0.010	mg/kg
205-99-2	Benzo(b)fluoranthene	0.385U	0.385	0.00713	mg/kg
191-24-2	Benzo(g,h,i)perylene	0.385U	0.385	0.010	mg/kg
207-08-9	Benzo(k)fluoranthene	0.385U	0.385	0.016	mg/kg
65-85-0	Benzoic acid	1.95U	1.95	0.179	mg/kg
100-51-6	Benzyl alcohol	0.385U	0.385	0.011	mg/kg
111-91-1	Bis(2-Chloroethoxy)methane	0.385U	0.385	0.013	mg/kg
111-44-4	Bis(2-Chloroethyl)ether	0.385U	0.385	0.012	mg/kg
108-60-1	Bis(2-Chloroisopropyl)ether	0.385U	0.385	0.015	mg/kg
117-81-7	Bis(2-Ethylhexyl)phthalate	0.385U	0.385	0.010	mg/kg
101-55-3	4-Bromophenyl phenyl ether	0.385U	0.385	0.00939	mg/kg
85-68-7	Butyl benzyl phthalate	0.385U	0.385	0.013	mg/kg
86-74-8	Carbazole	0.385U	0.385	0.00994	mg/kg
218-01-9	Chrysene	0.385U	0.385	0.00900	mg/kg
84-74-2	Di-n-butyl phthalate	0.385U	0.385	0.029	mg/kg
117-84-0	Di-n-octyl phthalate	0.385U	0.385	0.00838	mg/kg
53-70-3	Dibenz(a,h)anthracene	0.385U	0.385	0.00973	mg/kg
132-64-9	Dibenzofuran	0.385U	0.385	0.014	mg/kg
84-66-2	Diethyl phthalate	0.385U	0.385	0.017	mg/kg
131-11-3	Dimethyl phthalate	0.385U	0.385	0.013	mg/kg
105-67-9	2,4-Dimethylphenol	0.385U	0.385	0.026	mg/kg
206-44-0	Fluoranthene	0.385U	0.385	0.011	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212106	**B-15 (6-8)**	Solid	10/19/2006 15:30	10/21/2006 11:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
10/22/2006 12:00	335125	3550B	1	10/24/2006 15:53	JAR3	335326

CAS#	Parameter	Result	RDL	MDL	Units
86-73-7	Fluorene	0.385U	0.385	0.00989	mg/kg
118-74-1	Hexachlorobenzene	0.385U	0.385	0.012	mg/kg
87-68-3	Hexachlorobutadiene	0.385U	0.385	0.015	mg/kg
77-47-4	Hexachlorocyclopentadiene	0.385U	0.385	0.00835	mg/kg
67-72-1	Hexachloroethane	0.385U	0.385	0.016	mg/kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.385U	0.385	0.016	mg/kg
78-59-1	Isophorone	0.385U	0.385	0.00980	mg/kg
91-20-3	Naphthalene	0.385U	0.385	0.011	mg/kg
100-01-6	4-Nitroaniline	1.95U	1.95	0.028	mg/kg
98-95-3	Nitrobenzene	0.385U	0.385	0.014	mg/kg
100-02-7	4-Nitrophenol	1.95U	1.95	0.051	mg/kg
87-86-5	Pentachlorophenol	1.95U	1.95	0.100	mg/kg
85-01-8	Phenanthrene	0.385U	0.385	0.013	mg/kg
108-95-2	Phenol	0.385U	0.385	0.013	mg/kg
129-00-0	Pyrene	0.385U	0.385	0.012	mg/kg
110-86-1	Pyridine	0.385U	0.385	0.023	mg/kg
1319-77-3MP	m,p-Cresol	0.385U	0.385	0.014	mg/kg
621-64-7	n-Nitrosodi-n-propylamine	0.385U	0.385	0.010	mg/kg
62-75-9	n-Nitrosodimethylamine	0.385U	0.385	0.050	mg/kg
86-30-6	n-Nitrosodiphenylamine	0.385U	0.385	0.011	mg/kg
95-48-7	o-Cresol	0.385U	0.385	0.016	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.66	1.85	mg/kg	111	40 - 120
321-60-8	2-Fluorobiphenyl	1.66	1.93	mg/kg	116	37 - 124
1718-51-0	Terphenyl-d14	1.66	1.95	mg/kg	117	28 - 151
4165-62-2	Phenol-d5	3.32	3.26	mg/kg	98	40 - 114
367-12-4	2-Fluorophenol	3.32	3.06	mg/kg	92	38 - 119
118-79-6	2,4,6-Tribromophenol	3.32	3.29	mg/kg	99	25 - 115

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212106	**B-15 (6-8)**	Solid	10/19/2006 15:30	10/21/2006 11:30

TM - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/31/2006 13:25	RLY	335695

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**14.5**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212107	**B-16 (0-12)**	Solid	10/19/2006 16:40	10/21/2006 11:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/26/2006 17:54	VWM	335464

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	0.015U	0.015	0.000537	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.135	.109	mg/kg	81	62 - 127
1868-53-7	Dibromofluoromethane	.135	.14	mg/kg	104	65 - 130
2037-26-5	Toluene d8	.135	.145	mg/kg	107	71 - 132
17060-07-0	1,2-Dichloroethane-d4	.135	.137	mg/kg	101	62 - 125

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212107	**B-16 (0-12)**	Solid	10/19/2006 16:40	10/21/2006 11:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
10/22/2006 12:00	335125	3550B	10	10/24/2006 19:46	JAR3	335326

CAS#	Parameter	Result	RDL	MDL	Units
120-82-1	1,2,4-Trichlorobenzene	3.71U	3.71	0.119	mg/kg
95-50-1	1,2-Dichlorobenzene	3.71U	3.71	0.119	mg/kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	3.71U	3.71	0.080	mg/kg
541-73-1	1,3-Dichlorobenzene	3.71U	3.71	0.118	mg/kg
106-46-7	1,4-Dichlorobenzene	3.71U	3.71	0.102	mg/kg
95-95-4	2,4,5-Trichlorophenol	3.71U	3.71	0.075	mg/kg
88-06-2	2,4,6-Trichlorophenol	3.71U	3.71	0.167	mg/kg
120-83-2	2,4-Dichlorophenol	3.71U	3.71	0.097	mg/kg
51-28-5	2,4-Dinitrophenol	18.8U	18.8	0.635	mg/kg
121-14-2	2,4-Dinitrotoluene	3.71U	3.71	0.167	mg/kg
606-20-2	2,6-Dinitrotoluene	3.71U	3.71	0.090	mg/kg
91-58-7	2-Chloronaphthalene	3.71U	3.71	0.100	mg/kg
95-57-8	2-Chlorophenol	3.71U	3.71	0.059	mg/kg
91-57-6	2-Methylnaphthalene	3.71U	3.71	0.105	mg/kg
88-74-4	2-Nitroaniline	18.8U	18.8	0.243	mg/kg
88-75-5	2-Nitrophenol	3.71U	3.71	0.148	mg/kg
91-94-1	3,3'-Dichlorobenzidine	7.41U	7.41	0.466	mg/kg
99-09-2	3-Nitroaniline	18.8U	18.8	0.102	mg/kg
534-52-1	4,6-Dinitro-2-methylphenol	18.8U	18.8	0.194	mg/kg
59-50-7	4-Chloro-3-methylphenol	3.71U	3.71	0.149	mg/kg
106-47-8	4-Chloroaniline	3.71U	3.71	0.327	mg/kg
7005-72-3	4-Chlorophenyl phenyl ether	3.71U	3.71	0.099	mg/kg
83-32-9	Acenaphthene	3.71U	3.71	0.097	mg/kg
208-96-8	Acenaphthylene	3.71U	3.71	0.110	mg/kg
62-53-3	Aniline	3.71U	3.71	0.072	mg/kg
120-12-7	Anthracene	3.71U	3.71	0.106	mg/kg
92-87-5	Benzidine	14.8U	14.8	0.500	mg/kg
56-55-3	Benzo(a)anthracene	3.71U	3.71	0.099	mg/kg
50-32-8	**Benzo(a)pyrene**	**0.225J**	**3.71**	**0.098**	**mg/kg**
205-99-2	**Benzo(b)fluoranthene**	**0.268J**	**3.71**	**0.069**	**mg/kg**
191-24-2	Benzo(g,h,i)perylene	3.71U	3.71	0.098	mg/kg
207-08-9	**Benzo(k)fluoranthene**	**0.171J**	**3.71**	**0.152**	**mg/kg**
65-85-0	Benzoic acid	18.8U	18.8	1.73	mg/kg
100-51-6	Benzyl alcohol	3.71U	3.71	0.110	mg/kg
111-91-1	Bis(2-Chloroethoxy)methane	3.71U	3.71	0.128	mg/kg
111-44-4	Bis(2-Chloroethyl)ether	3.71U	3.71	0.116	mg/kg
108-60-1	Bis(2-Chloroisopropyl)ether	3.71U	3.71	0.144	mg/kg
117-81-7	Bis(2-Ethylhexyl)phthalate	3.71U	3.71	0.100	mg/kg
101-55-3	4-Bromophenyl phenyl ether	3.71U	3.71	0.090	mg/kg
85-68-7	Butyl benzyl phthalate	3.71U	3.71	0.121	mg/kg
86-74-8	Carbazole	3.71U	3.71	0.096	mg/kg
218-01-9	**Chrysene**	**0.293J**	**3.71**	**0.087**	**mg/kg**
84-74-2	Di-n-butyl phthalate	3.71U	3.71	0.278	mg/kg
117-84-0	Di-n-octyl phthalate	3.71U	3.71	0.081	mg/kg
53-70-3	Dibenz(a,h)anthracene	3.71U	3.71	0.094	mg/kg
132-64-9	Dibenzofuran	3.71U	3.71	0.138	mg/kg
84-66-2	Diethyl phthalate	3.71U	3.71	0.165	mg/kg
131-11-3	Dimethyl phthalate	3.71U	3.71	0.122	mg/kg
105-67-9	2,4-Dimethylphenol	3.71U	3.71	0.252	mg/kg
206-44-0	**Fluoranthene**	**0.755J**	**3.71**	**0.109**	**mg/kg**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212107	**B-16 (0-12)**	Solid	10/19/2006 16:40	10/21/2006 11:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
10/22/2006 12:00	335125	3550B	10	10/24/2006 19:46	JAR3	335326

CAS#	Parameter	Result	RDL	MDL	Units
86-73-7	Fluorene	3.71U	3.71	0.095	mg/kg
118-74-1	Hexachlorobenzene	3.71U	3.71	0.119	mg/kg
87-68-3	Hexachlorobutadiene	3.71U	3.71	0.142	mg/kg
77-47-4	Hexachlorocyclopentadiene	3.71U	3.71	0.080	mg/kg
67-72-1	Hexachloroethane	3.71U	3.71	0.155	mg/kg
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.376J**	**3.71**	**0.158**	**mg/kg**
78-59-1	Isophorone	3.71U	3.71	0.094	mg/kg
91-20-3	Naphthalene	3.71U	3.71	0.109	mg/kg
100-01-6	4-Nitroaniline	18.8U	18.8	0.268	mg/kg
98-95-3	Nitrobenzene	3.71U	3.71	0.139	mg/kg
100-02-7	4-Nitrophenol	18.8U	18.8	0.487	mg/kg
87-86-5	Pentachlorophenol	18.8U	18.8	0.966	mg/kg
85-01-8	**Phenanthrene**	**0.480J**	**3.71**	**0.121**	**mg/kg**
108-95-2	Phenol	3.71U	3.71	0.121	mg/kg
129-00-0	**Pyrene**	**0.345J**	**3.71**	**0.116**	**mg/kg**
110-86-1	Pyridine	3.71U	3.71	0.223	mg/kg
1319-77-3MP	m,p-Cresol	3.71U	3.71	0.138	mg/kg
621-64-7	n-Nitrosodi-n-propylamine	3.71U	3.71	0.100	mg/kg
62-75-9	n-Nitrosodimethylamine	3.71U	3.71	0.484	mg/kg
86-30-6	n-Nitrosodiphenylamine	3.71U	3.71	0.111	mg/kg
95-48-7	o-Cresol	3.71U	3.71	0.151	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.67	DO	mg/kg	**0***	40 - 120
321-60-8	2-Fluorobiphenyl	1.67	DO	mg/kg	**0***	37 - 124
1718-51-0	Terphenyl-d14	1.67	DO	mg/kg	**0***	28 - 151
4165-62-2	Phenol-d5	3.33	DO	mg/kg	**0***	40 - 114
367-12-4	2-Fluorophenol	3.33	DO	mg/kg	**0***	38 - 119
118-79-6	2,4,6-Tribromophenol	3.33	DO	mg/kg	**0***	25 - 115

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212107	**B-16 (0-12)**	Solid	10/19/2006 16:40	10/21/2006 11:30

TM - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/31/2006 13:25	RLY	335695

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**11.0**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212108	**B-16 (6-8)**	Solid	10/19/2006 17:00	10/21/2006 11:30

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/26/2006 18:15	VWM	335464

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	0.015U	0.015	0.000525	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.14	.122	mg/kg	87	62 - 127
1868-53-7	Dibromofluoromethane	.14	.144	mg/kg	103	65 - 130
2037-26-5	Toluene d8	.14	.139	mg/kg	100	71 - 132
17060-07-0	1,2-Dichloroethane-d4	.14	.145	mg/kg	104	62 - 125

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212108	**B-16 (6-8)**	Solid	10/19/2006 17:00	10/21/2006 11:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
10/22/2006 12:00	335125	3550B	1	10/24/2006 16:24	JAR3	335326

CAS#	Parameter	Result	RDL	MDL	Units
120-82-1	1,2,4-Trichlorobenzene	0.345U	0.345	0.011	mg/kg
95-50-1	1,2-Dichlorobenzene	0.345U	0.345	0.011	mg/kg
122-66-7	1,2Diphenylhydrazine/Azobenzen	0.345U	0.345	0.00748	mg/kg
541-73-1	1,3-Dichlorobenzene	0.345U	0.345	0.011	mg/kg
106-46-7	1,4-Dichlorobenzene	0.345U	0.345	0.00950	mg/kg
95-95-4	2,4,5-Trichlorophenol	0.345U	0.345	0.00702	mg/kg
88-06-2	2,4,6-Trichlorophenol	0.345U	0.345	0.015	mg/kg
120-83-2	2,4-Dichlorophenol	0.345U	0.345	0.00900	mg/kg
51-28-5	2,4-Dinitrophenol	1.75U	1.75	0.059	mg/kg
121-14-2	2,4-Dinitrotoluene	0.345U	0.345	0.016	mg/kg
606-20-2	2,6-Dinitrotoluene	0.345U	0.345	0.00836	mg/kg
91-58-7	2-Chloronaphthalene	0.345U	0.345	0.00932	mg/kg
95-57-8	2-Chlorophenol	0.345U	0.345	0.00552	mg/kg
91-57-6	2-Methylnaphthalene	0.345U	0.345	0.00977	mg/kg
88-74-4	2-Nitroaniline	1.75U	1.75	0.023	mg/kg
88-75-5	2-Nitrophenol	0.345U	0.345	0.014	mg/kg
91-94-1	3,3'-Dichlorobenzidine	0.690U	0.690	0.043	mg/kg
99-09-2	3-Nitroaniline	1.75U	1.75	0.00951	mg/kg
534-52-1	4,6-Dinitro-2-methylphenol	1.75U	1.75	0.018	mg/kg
59-50-7	4-Chloro-3-methylphenol	0.345U	0.345	0.014	mg/kg
106-47-8	4-Chloroaniline	0.345U	0.345	0.030	mg/kg
7005-72-3	4-Chlorophenyl phenyl ether	0.345U	0.345	0.00918	mg/kg
83-32-9	Acenaphthene	0.345U	0.345	0.00899	mg/kg
208-96-8	Acenaphthylene	0.345U	0.345	0.010	mg/kg
62-53-3	Aniline	0.345U	0.345	0.00669	mg/kg
120-12-7	Anthracene	0.345U	0.345	0.00988	mg/kg
92-87-5	Benzidine	1.38U	1.38	0.047	mg/kg
56-55-3	Benzo(a)anthracene	0.345U	0.345	0.00920	mg/kg
50-32-8	Benzo(a)pyrene	0.345U	0.345	0.00914	mg/kg
205-99-2	Benzo(b)fluoranthene	0.345U	0.345	0.00639	mg/kg
191-24-2	Benzo(g,h,i)perylene	0.345U	0.345	0.00914	mg/kg
207-08-9	Benzo(k)fluoranthene	0.345U	0.345	0.014	mg/kg
65-85-0	Benzoic acid	1.75U	1.75	0.161	mg/kg
100-51-6	Benzyl alcohol	0.345U	0.345	0.010	mg/kg
111-91-1	Bis(2-Chloroethoxy)methane	0.345U	0.345	0.012	mg/kg
111-44-4	Bis(2-Chloroethyl)ether	0.345U	0.345	0.011	mg/kg
108-60-1	Bis(2-Chloroisopropyl)ether	0.345U	0.345	0.013	mg/kg
117-81-7	Bis(2-Ethylhexyl)phthalate	0.345U	0.345	0.00930	mg/kg
101-55-3	4-Bromophenyl phenyl ether	0.345U	0.345	0.00842	mg/kg
85-68-7	Butyl benzyl phthalate	0.345U	0.345	0.011	mg/kg
86-74-8	Carbazole	0.345U	0.345	0.00891	mg/kg
218-01-9	Chrysene	0.345U	0.345	0.00807	mg/kg
84-74-2	Di-n-butyl phthalate	0.345U	0.345	0.026	mg/kg
117-84-0	Di-n-octyl phthalate	0.345U	0.345	0.00751	mg/kg
53-70-3	Dibenz(a,h)anthracene	0.345U	0.345	0.00872	mg/kg
132-64-9	Dibenzofuran	0.345U	0.345	0.013	mg/kg
84-66-2	Diethyl phthalate	0.345U	0.345	0.015	mg/kg
131-11-3	Dimethyl phthalate	0.345U	0.345	0.011	mg/kg
105-67-9	2,4-Dimethylphenol	0.345U	0.345	0.023	mg/kg
206-44-0	Fluoranthene	0.345U	0.345	0.010	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212108	**B-16 (6-8)**	Solid	10/19/2006 17:00	10/21/2006 11:30

8270C, SemiVolatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
10/22/2006 12:00	335125	3550B	1	10/24/2006 16:24	JAR3	335326

CAS#	Parameter	Result	RDL	MDL	Units
86-73-7	Fluorene	0.345U	0.345	0.00887	mg/kg
118-74-1	Hexachlorobenzene	0.345U	0.345	0.011	mg/kg
87-68-3	Hexachlorobutadiene	0.345U	0.345	0.013	mg/kg
77-47-4	Hexachlorocyclopentadiene	0.345U	0.345	0.00748	mg/kg
67-72-1	Hexachloroethane	0.345U	0.345	0.014	mg/kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.345U	0.345	0.015	mg/kg
78-59-1	Isophorone	0.345U	0.345	0.00879	mg/kg
91-20-3	Naphthalene	0.345U	0.345	0.010	mg/kg
100-01-6	4-Nitroaniline	1.75U	1.75	0.025	mg/kg
98-95-3	Nitrobenzene	0.345U	0.345	0.013	mg/kg
100-02-7	4-Nitrophenol	1.75U	1.75	0.045	mg/kg
87-86-5	Pentachlorophenol	1.75U	1.75	0.090	mg/kg
85-01-8	Phenanthrene	0.345U	0.345	0.011	mg/kg
108-95-2	Phenol	0.345U	0.345	0.011	mg/kg
129-00-0	Pyrene	0.345U	0.345	0.011	mg/kg
110-86-1	Pyridine	0.345U	0.345	0.021	mg/kg
1319-77-3MP	m,p-Cresol	0.345U	0.345	0.013	mg/kg
621-64-7	n-Nitrosodi-n-propylamine	0.345U	0.345	0.00933	mg/kg
62-75-9	n-Nitrosodimethylamine	0.345U	0.345	0.045	mg/kg
86-30-6	n-Nitrosodiphenylamine	0.345U	0.345	0.010	mg/kg
95-48-7	o-Cresol	0.345U	0.345	0.014	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	1.64	1.37	mg/kg	84	40 - 120
321-60-8	2-Fluorobiphenyl	1.64	1.42	mg/kg	87	37 - 124
1718-51-0	Terphenyl-d14	1.64	1.34	mg/kg	82	28 - 151
4165-62-2	Phenol-d5	3.28	2.47	mg/kg	75	40 - 114
367-12-4	2-Fluorophenol	3.28	2.31	mg/kg	70	38 - 119
118-79-6	2,4,6-Tribromophenol	3.28	2.23	mg/kg	68	25 - 115

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20610212108	**B-16 (6-8)**	Solid	10/19/2006 17:00	10/21/2006 11:30

TM - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	10/31/2006 13:25	RLY	335695

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**5.87**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GC/MS Volatiles Quality Control Summary

Analytical Batch 335464	**Client ID**	MB335464	LCS335464	LCSD335464
Prep Batch N/A	**GCAL ID**	422410	422411	422412
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	10/26/2006 15:11	10/26/2006 13:26	10/26/2006 14:29
	Matrix	Solid	Solid	Solid

8260B, Volatiles		**Units**	mg/kg	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
79-01-6	Trichloroethene	0.00500U	0.00500	0.025	0.027	108	78 - 120	0.029	116	7	24
Surrogate											
460-00-4	4-Bromofluorobenzene	41.4	83	50	42.4	85	62 - 127	42.7	85		
1868-53-7	Dibromofluoromethane	45.5	91	50	45.3	91	65 - 130	46.8	94		
2037-26-5	Toluene d8	48	96	50	49.4	99	71 - 132	49.2	98		
17060-07-0	1,2-Dichloroethane-d4	42.2	84	50	41.5	83	62 - 125	43.2	86		

Analytical Batch 335486	**Client ID**	MB335486	LCS335486	LCSD335486
Prep Batch N/A	**GCAL ID**	422522	422523	422524
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	10/26/2006 20:55	10/26/2006 20:04	10/26/2006 20:30
	Matrix	Solid	Solid	Solid

8260B, Volatiles		**Units**	mg/kg	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
110-75-8	2-Chloroethylvinyl ether	0.1051	0.105	1.25	1.42	114	60 - 135	1.44	115	1	30
79-01-6	Trichloroethene	0.008851	0.00885	1.25	1.20	96	78 - 120	1.20	96	0	24
Surrogate											
460-00-4	4-Bromofluorobenzene	2720	109	2500	2880	115	62 - 127	2840	114		
1868-53-7	Dibromofluoromethane	2820	113	2500	2720	109	65 - 130	2740	110		
2037-26-5	Toluene d8	2780	111	2500	2700	108	71 - 132	2690	108		
17060-07-0	1,2-Dichloroethane-d4	2660	106	2500	2610	104	62 - 125	2700	108		

GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch	335326	**Client ID**	MB335125			LCS335125				LCSD335125		
Prep Batch	335125	**GCAL ID**	420883			420884				420885		
Prep Method	3550B	**Sample Type**	Method Blank			LCS				LCSD		
		Prep Date	10/22/2006 12:00			10/22/2006 12:00				10/22/2006 12:00		
		Analytical Date	10/24/2006 17:10			10/24/2006 14:05				10/24/2006 14:20		
		Matrix	Solid			Solid				Solid		
8270C, SemiVolatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
208-96-8	Acenaphthylene	0.330U	0.330	3.33	2.64	79	57 - 105	2.72	82	3	18
120-12-7	Anthracene	0.330U	0.330	3.33	2.60	78	60 - 108	2.61	78	0.4	19
56-55-3	Benzo(a)anthracene	0.330U	0.330	3.33	2.64	79	60 - 107	2.63	79	0.4	19
92-87-5	Benzidine	1.32U	1.32	3.33	0.608	18	8 - 78	0.510	15	18	50
205-99-2	Benzo(b)fluoranthene	0.330U	0.330	3.33	2.39	72	56 - 110	2.49	75	4	24
207-08-9	Benzo(k)fluoranthene	0.330U	0.330	3.33	2.90	87	55 - 113	3.04	91	5	31
191-24-2	Benzo(g,h,i)perylene	0.330U	0.330	3.33	2.57	77	46 - 128	2.44	73	5	19
50-32-8	Benzo(a)pyrene	0.330U	0.330	3.33	2.70	81	62 - 110	2.74	82	1	16
65-85-0	Benzoic acid	1.67U	1.67	3.33	1.74	52	10 - 130	1.59	48	9	40
85-68-7	Butyl benzyl phthalate	0.330U	0.330	3.33	2.63	79	63 - 121	2.76	83	5	21
111-91-1	Bis(2-Chloroethoxy)methane	0.330U	0.330	3.33	2.30	69	53 - 109	2.47	74	7	20
111-44-4	Bis(2-Chloroethyl)ether	0.330U	0.330	3.33	2.21	66	39 - 114	2.37	71	7	24
108-60-1	Bis(2-Chloroisopropyl)ether	0.330U	0.330	3.33	2.00	60	45 - 113	2.10	63	5	26
117-81-7	Bis(2-Ethylhexyl)phthalate	0.330U	0.330	3.33	2.67	80	56 - 127	2.79	84	4	21
101-55-3	4-Bromophenyl phenyl ether	0.330U	0.330	3.33	2.68	80	59 - 118	2.77	83	3	22
86-74-8	Carbazole	0.330U	0.330	3.33	2.58	77	50 - 96	2.46	74	5	17
7005-72-3	4-Chlorophenyl phenyl ether	0.330U	0.330	3.33	2.28	68	54 - 112	2.34	70	3	19
218-01-9	Chrysene	0.330U	0.330	3.27	2.68	82	61 - 111	2.64	81	2	19
53-70-3	Dibenz(a,h)anthracene	0.114J	0.330	3.33	2.30	69	50 - 135	2.20	66	4	23
132-64-9	Dibenzofuran	0.330U	0.330	3.33	2.22	67	55 - 110	2.24	67	0.9	17
95-50-1	1,2-Dichlorobenzene	0.330U	0.330	3.33	2.13	64	47 - 109	2.22	67	4	20
541-73-1	1,3-Dichlorobenzene	0.330U	0.330	3.33	2.10	63	44 - 108	2.24	67	6	22
91-94-1	3,3'-Dichlorobenzidine	0.660U	0.660	3.33	2.15	65	24 - 127	1.95	59	10	35
120-83-2	2,4-Dichlorophenol	0.330U	0.330	3.33	2.21	66	53 - 111	2.36	71	7	21
84-66-2	Diethyl phthalate	0.330U	0.330	3.33	2.13	64	52 - 114	2.15	65	0.9	20
105-67-9	2,4-Dimethylphenol	0.330U	0.330	3.33	2.19	66	51 - 108	2.33	70	6	22
131-11-3	Dimethyl phthalate	0.330U	0.330	3.33	2.29	69	56 - 111	2.32	70	1	17
117-84-0	Di-n-octyl phthalate	0.330U	0.330	3.33	2.82	85	55 - 121	2.76	83	2	18
51-28-5	2,4-Dinitrophenol	1.67U	1.67	3.33	1.84	55	27 - 121	1.60	48	14	49
606-20-2	2,6-Dinitrotoluene	0.330U	0.330	3.33	2.33	70	55 - 117	2.36	71	1	19
206-44-0	Fluoranthene	0.330U	0.330	3.33	2.57	77	54 - 108	2.43	73	6	20
86-73-7	Fluorene	0.330U	0.330	3.33	2.35	71	54 - 106	2.37	71	0.8	16

GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch	335326	**Client ID**	MB335125	LCS335125	LCSD335125
Prep Batch	335125	**GCAL ID**	420883	420884	420885
Prep Method	3550B	**Sample Type**	Method Blank	LCS	LCSD
		Prep Date	10/22/2006 12:00	10/22/2006 12:00	10/22/2006 12:00
		Analytical Date	10/24/2006 17:10	10/24/2006 14:05	10/24/2006 14:20
		Matrix	Solid	Solid	Solid

8270C, SemiVolatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
118-74-1	Hexachlorobenzene	0.330U	0.330	3.33	2.59	78	50 - 121	2.65	80	2	19
87-68-3	Hexachlorobutadiene	0.330U	0.330	3.33	2.24	67	22 - 134	2.51	75	11	20
77-47-4	Hexachlorocyclopentadiene	0.330U	0.330	3.33	2.21	66	48 - 116	2.56	77	15	27
67-72-1	Hexachloroethane	0.330U	0.330	3.33	2.12	64	43 - 111	2.22	67	5	21
78-59-1	Isophorone	0.330U	0.330	3.33	2.21	66	55 - 112	2.42	73	9	26
193-39-5	Indeno(1,2,3-cd)pyrene	0.330U	0.330	3.33	2.67	80	43 - 132	2.28	68	16	33
91-57-6	2-Methylnaphthalene	0.330U	0.330	3.33	2.14	64	53 - 110	2.26	68	5	18
95-48-7	o-Cresol	0.330U	0.330	3.33	2.16	65	50 - 108	2.26	68	5	25
91-20-3	Naphthalene	0.330U	0.330	3.33	2.30	69	53 - 107	2.44	73	6	18
98-95-3	Nitrobenzene	0.330U	0.330	3.33	2.23	67	53 - 112	2.39	72	7	23
88-75-5	2-Nitrophenol	0.330U	0.330	3.33	2.35	71	58 - 110	2.55	77	8	20
62-75-9	n-Nitrosodimethylamine	0.330U	0.330	3.33	2.10	63	31 - 130	2.57	77	20	20
86-30-6	n-Nitrosodiphenylamine	0.330U	0.330	3.27	2.59	79	58 - 123	2.62	80	1	19
85-01-8	Phenanthrene	0.330U	0.330	3.33	2.51	75	59 - 107	2.47	74	2	18
95-95-4	2,4,5-Trichlorophenol	0.330U	0.330	3.33	2.34	70	58 - 111	2.36	71	0.9	19
88-06-2	2,4,6-Trichlorophenol	0.330U	0.330	3.33	2.31	69	60 - 110	2.43	73	5	21
100-51-6	Benzyl alcohol	0.330U	0.330	3.33	2.22	67	48 - 116	2.29	69	3	37
62-53-3	Aniline	0.330U	0.330	3.33	2.75	83	4 - 126	2.89	87	5	29
110-86-1	Pyridine	0.330U	0.330	3.33	1.89	57	11 - 92	2.49	75	27	29
99-09-2	3-Nitroaniline	1.67U	1.67	3.33	1.76	53	9 - 106	1.59	48	10	46
100-01-6	4-Nitroaniline	1.67U	1.67	3.37	2.07	61	24 - 99	1.87	56	10	25
84-74-2	Di-n-butyl phthalate	0.330U	0.330	3.33	2.50	75	60 - 115	2.44	73	2	19
122-66-7	1,2Diphenylhydrazine/Azobenzen	0.330U	0.330	3.33	2.69	81	60 - 120	2.79	84	4	50
88-74-4	2-Nitroaniline	1.67U	1.67	3.33	2.54	76	38 - 107	2.58	77	2	19
91-58-7	2-Chloronaphthalene	0.330U	0.330	3.33	2.35	71	57 - 112	2.39	72	2	19
106-47-8	4-Chloroaniline	0.330U	0.330	3.33	1.63	49	3 - 101	1.61	48	1	51
1319-77-3MP	m,p-Cresol	0.330U	0.330	3.33	2.12	64	50 - 110	2.21	66	4	23
534-52-1	4,6-Dinitro-2-methylphenol	1.67U	1.67	3.33	2.43	73	49 - 115	2.30	69	5	31
108-95-2	Phenol	0.330U	0.330	3.33	2.25	68	34 - 116	2.33	70	3	25
95-57-8	2-Chlorophenol	0.330U	0.330	3.33	2.22	67	44 - 113	2.34	70	5	26
106-46-7	1,4-Dichlorobenzene	0.330U	0.330	3.33	2.06	62	40 - 114	2.20	66	7	23
621-64-7	n-Nitrosodi-n-propylamine	0.330U	0.330	3.33	2.24	67	45 - 122	2.31	69	3	38

GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch	335326	**Client ID**	MB335125	LCS335125	LCSD335125
Prep Batch	335125	**GCAL ID**	420883	420884	420885
Prep Method	3550B	**Sample Type**	Method Blank	LCS	LCSD
		Prep Date	10/22/2006 12:00	10/22/2006 12:00	10/22/2006 12:00
		Analytical Date	10/24/2006 17:10	10/24/2006 14:05	10/24/2006 14:20
		Matrix	Solid	Solid	Solid

8270C, SemiVolatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
120-82-1	1,2,4-Trichlorobenzene	0.330U	0.330	3.33	2.29	69	46 - 115	2.50	75	9	23
59-50-7	4-Chloro-3-methylphenol	0.330U	0.330	3.33	2.08	62	48 - 112	2.20	66	6	24
83-32-9	Acenaphthene	0.330U	0.330	3.33	2.42	73	41 - 120	2.46	74	2	19
100-02-7	4-Nitrophenol	1.67U	1.67	3.33	2.09	63	38 - 125	1.92	58	8	29
121-14-2	2,4-Dinitrotoluene	0.330U	0.330	3.33	2.22	67	44 - 121	2.18	65	2	23
87-86-5	Pentachlorophenol	1.67U	1.67	3.33	2.40	72	23 - 142	2.46	74	2	26
129-00-0	Pyrene	0.330U	0.330	3.33	2.60	78	39 - 135	2.78	83	7	26
Surrogate											
4165-60-0	Nitrobenzene-d5	1370	82	1670	1270	76	40 - 120	1350	81		
321-60-8	2-Fluorobiphenyl	1480	89	1670	1370	82	37 - 124	1420	85		
1718-51-0	Terphenyl-d14	825	50	1670	1900	114	28 - 151	2010	121		
4165-62-2	Phenol-d5	2560	77	3330	2430	73	40 - 114	2450	74		
367-12-4	2-Fluorophenol	2300	69	3330	2200	66	38 - 119	2320	70		
118-79-6	2,4,6-Tribromophenol	2200	66	3330	2480	74	25 - 115	2440	73		

Analytical Batch	335326	**Client ID**	B-16 (6-8)	420870MS	420870MSD
Prep Batch	335125	**GCAL ID**	20610212108	420886	420887
Prep Method	3550B	**Sample Type**	SAMPLE	MS	MSD
		Prep Date	10/22/2006 12:00	10/22/2006 12:00	10/22/2006 12:00
		Analytical Date	10/24/2006 16:24	10/24/2006 16:39	10/24/2006 16:55
		Matrix	Solid	Solid	Solid

8270C, SemiVolatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
208-96-8	Acenaphthylene	0.00	0.325	3.30	2.82	85	57 - 105	2.72	82	4	18
120-12-7	Anthracene	0.00	0.325	3.30	2.70	82	60 - 108	2.53	76	7	19
56-55-3	Benzo(a)anthracene	0.00	0.325	3.30	2.76	84	60 - 107	2.57	77	7	19
92-87-5	Benzidine	0.00	1.30	3.30	1.26	38	8 - 78	0.729	22	**53***	50
205-99-2	Benzo(b)fluoranthene	0.00	0.325	3.30	2.35	71	56 - 110	2.37	71	0.8	24
207-08-9	Benzo(k)fluoranthene	0.00	0.325	3.30	2.56	78	55 - 113	2.30	69	11	31
191-24-2	Benzo(g,h,i)perylene	0.00	0.325	3.30	2.21	67	46 - 128	2.02	61	9	19
50-32-8	Benzo(a)pyrene	0.00	0.325	3.30	2.77	84	62 - 110	2.58	78	7	16

GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch 335326	**Client ID**	B-16 (6-8)	420870MS	420870MSD	
Prep Batch 335125	**GCAL ID**	20610212108	420886	420887	
Prep Method 3550B	**Sample Type**	SAMPLE	MS	MSD	
	Prep Date	10/22/2006 12:00	10/22/2006 12:00	10/22/2006 12:00	
	Analytical Date	10/24/2006 16:24	10/24/2006 16:39	10/24/2006 16:55	
	Matrix	Solid	Solid	Solid	

8270C, SemiVolatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
65-85-0	Benzoic acid	0.00	1.64	3.30	0.465	14	10 - 130	1.01	30	**74***	40
85-68-7	Butyl benzyl phthalate	0.00	0.325	3.30	2.35	71	63 - 121	2.19	66	7	21
111-91-1	Bis(2-Chloroethoxy)methane	0.00	0.325	3.30	2.56	78	53 - 109	2.44	73	5	20
111-44-4	Bis(2-Chloroethyl)ether	0.00	0.325	3.30	2.27	69	39 - 114	2.12	64	7	24
108-60-1	Bis(2-Chloroisopropyl)ether	0.00	0.325	3.30	2.12	64	45 - 113	2.00	60	6	26
117-81-7	Bis(2-Ethylhexyl)phthalate	0.00	0.325	3.30	2.63	80	56 - 127	2.43	73	8	21
101-55-3	4-Bromophenyl phenyl ether	0.00	0.325	3.30	2.64	80	59 - 118	2.40	72	10	22
86-74-8	Carbazole	0.00	0.325	3.30	2.81	85	50 - 96	2.65	80	6	17
7005-72-3	4-Chlorophenyl phenyl ether	0.00	0.325	3.30	2.40	73	54 - 112	2.34	70	3	19
218-01-9	Chrysene	0.00	0.325	3.23	2.76	85	61 - 111	2.50	77	10	19
53-70-3	Dibenz(a,h)anthracene	0.00	0.325	3.30	2.32	70	50 - 135	2.10	63	10	23
132-64-9	Dibenzofuran	0.00	0.325	3.30	2.36	72	55 - 110	2.24	67	5	17
95-50-1	1,2-Dichlorobenzene	0.00	0.325	3.30	2.10	64	47 - 109	1.98	60	6	20
541-73-1	1,3-Dichlorobenzene	0.00	0.325	3.30	2.11	64	44 - 108	1.96	59	7	22
91-94-1	3,3'-Dichlorobenzidine	0.00	0.649	3.30	2.95	89	24 - 127	2.61	79	12	35
120-83-2	2,4-Dichlorophenol	0.00	0.325	3.30	2.28	69	53 - 111	2.21	67	3	21
84-66-2	Diethyl phthalate	0.00	0.325	3.30	2.41	73	52 - 114	2.36	71	2	20
105-67-9	2,4-Dimethylphenol	0.00	0.325	3.30	2.37	72	51 - 108	2.22	67	7	22
131-11-3	Dimethyl phthalate	0.00	0.325	3.30	2.55	77	56 - 111	2.50	75	2	17
117-84-0	Di-n-octyl phthalate	0.00	0.325	3.30	3.28	99	55 - 121	2.95	89	11	18
51-28-5	2,4-Dinitrophenol	0.00	1.64	3.30	1.08	33	27 - 121	1.05	32	3	49
606-20-2	2,6-Dinitrotoluene	0.00	0.325	3.30	2.53	77	55 - 117	2.47	74	2	19
206-44-0	Fluoranthene	0.00	0.325	3.30	3.03	92	54 - 108	2.91	88	4	20
86-73-7	Fluorene	0.00	0.325	3.30	2.47	75	54 - 106	2.40	72	3	16
118-74-1	Hexachlorobenzene	0.00	0.325	3.30	2.51	76	50 - 121	2.30	69	9	19
87-68-3	Hexachlorobutadiene	0.00	0.325	3.30	2.36	72	22 - 134	2.19	66	7	20
77-47-4	Hexachlorocyclopentadiene	0.00	0.325	3.30	1.97	60	48 - 116	1.77	53	11	27
67-72-1	Hexachloroethane	0.00	0.325	3.30	2.07	63	43 - 111	1.93	58	7	21
78-59-1	Isophorone	0.00	0.325	3.30	2.38	72	55 - 112	2.29	69	4	26
193-39-5	Indeno(1,2,3-cd)pyrene	0.00	0.325	3.30	3.77	114	43 - 132	3.24	98	15	33
91-57-6	2-Methylnaphthalene	0.00	0.325	3.30	2.22	67	53 - 110	2.09	63	6	18
95-48-7	o-Cresol	0.00	0.325	3.30	2.07	63	50 - 108	2.02	61	2	25

GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch 335326	**Client ID**	B-16 (6-8)	420870MS	420870MSD	
Prep Batch 335125	**GCAL ID**	20610212108	420886	420887	
Prep Method 3550B	**Sample Type**	SAMPLE	MS	MSD	
	Prep Date	10/22/2006 12:00	10/22/2006 12:00	10/22/2006 12:00	
	Analytical Date	10/24/2006 16:24	10/24/2006 16:39	10/24/2006 16:55	
	Matrix	Solid	Solid	Solid	

8270C, SemiVolatiles		**Units**	mg/kg	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
91-20-3	Naphthalene	0.00	0.325	3.30	2.46	75	53 - 107	2.28	69	8	18
98-95-3	Nitrobenzene	0.00	0.325	3.30	2.46	75	53 - 112	2.31	70	6	23
88-75-5	2-Nitrophenol	0.00	0.325	3.30	2.48	75	58 - 110	2.30	69	8	20
62-75-9	n-Nitrosodimethylamine	0.00	0.325	3.30	2.56	78	31 - 130	1.58	48	47*	20
86-30-6	n-Nitrosodiphenylamine	0.00	0.325	3.23	2.74	85	58 - 123	2.49	76	10	19
85-01-8	Phenanthrene	0.00	0.325	3.30	2.60	79	59 - 107	2.41	73	8	18
95-95-4	2,4,5-Trichlorophenol	0.00	0.325	3.30	2.30	70	58 - 111	2.26	68	2	19
88-06-2	2,4,6-Trichlorophenol	0.00	0.325	3.30	2.31	70	60 - 110	2.24	67	3	21
100-51-6	Benzyl alcohol	0.00	0.325	3.30	2.20	67	48 - 116	2.10	63	5	37
62-53-3	Aniline	0.00	0.325	3.30	2.14	65	4 - 126	1.88	57	13	29
110-86-1	Pyridine	0.00	0.325	3.30	2.51	76	11 - 92	2.09	63	18	29
99-09-2	3-Nitroaniline	0.00	1.64	3.30	2.27	69	9 - 106	2.16	65	5	46
100-01-6	4-Nitroaniline	0.00	1.64	3.33	2.31	69	24 - 99	2.21	66	4	25
84-74-2	Di-n-butyl phthalate	0.00	0.325	3.30	2.83	86	60 - 115	2.75	83	3	19
122-66-7	1,2Diphenylhydrazine/Azobenzen	0.00	0.325	3.30	2.82	85	60 - 120	2.50	75	12	50
88-74-4	2-Nitroaniline	0.00	1.64	3.30	2.71	82	38 - 107	2.60	78	4	19
91-58-7	2-Chloronaphthalene	0.00	0.325	3.30	2.51	76	57 - 112	2.35	71	7	19
106-47-8	4-Chloroaniline	0.00	0.325	3.30	1.68	51	3 - 101	1.48	45	13	51
1319-77-3MP	m,p-Cresol	0.00	0.325	3.30	2.05	62	50 - 110	1.96	59	4	23
534-52-1	4,6-Dinitro-2-methylphenol	0.00	1.64	3.30	2.09	63	49 - 115	2.03	61	3	31
108-95-2	Phenol	0.00	0.325	3.30	2.18	66	34 - 116	2.08	63	5	25
95-57-8	2-Chlorophenol	0.00	0.325	3.30	2.17	66	44 - 113	2.08	63	4	26
106-46-7	1,4-Dichlorobenzene	0.00	0.325	3.30	2.06	62	40 - 114	1.93	58	7	23
621-64-7	n-Nitrosodi-n-propylamine	0.00	0.325	3.30	2.28	69	45 - 122	2.13	64	7	38
120-82-1	1,2,4-Trichlorobenzene	0.00	0.325	3.30	2.35	71	46 - 115	2.22	67	6	23
59-50-7	4-Chloro-3-methylphenol	0.00	0.325	3.30	2.09	63	48 - 112	2.01	61	4	24
83-32-9	Acenaphthene	0.00	0.325	3.30	2.58	78	41 - 120	2.44	73	6	19
100-02-7	4-Nitrophenol	0.00	1.64	3.30	2.40	73	38 - 125	2.44	73	2	29
121-14-2	2,4-Dinitrotoluene	0.00	0.325	3.30	2.41	73	44 - 121	2.41	73	0	23
87-86-5	Pentachlorophenol	0.00	1.64	3.30	3.25	98	23 - 142	3.11	94	4	26
129-00-0	Pyrene	0.00	0.325	3.30	1.97	60	39 - 135	1.84	55	7	26
Surrogate											

GC/MS Semi-Volatiles Quality Control Summary

Analytical Batch	335326	**Client ID**	B-16 (6-8)	420870MS	420870MSD
Prep Batch	335125	**GCAL ID**	20610212108	420886	420887
Prep Method	3550B	**Sample Type**	SAMPLE	MS	MSD
		Prep Date	10/22/2006 12:00	10/22/2006 12:00	10/22/2006 12:00
		Analytical Date	10/24/2006 16:24	10/24/2006 16:39	10/24/2006 16:55
		Matrix	Solid	Solid	Solid

8270C, SemiVolatiles		**Units**	mg/kg								
		Result	**RDL**	**Spike Added**	**Result**	**% R**	**Control Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
4165-60-0	Nitrobenzene-d5	1.37	84	1650	1390	84	40 - 120	1280	77		
321-60-8	2-Fluorobiphenyl	1.42	87	1650	1480	90	37 - 124	1400	84		
1718-51-0	Terphenyl-d14	1.34	82	1650	1450	88	28 - 151	1370	82		
4165-62-2	Phenol-d5	2.47	75	3300	2370	72	40 - 114	2280	69		
367-12-4	2-Fluorophenol	2.31	70	3300	2250	68	38 - 119	2140	64		
118-79-6	2,4,6-Tribromophenol	2.23	68	3300	2370	72	25 - 115	2370	71		

Gulf Coast LabNet / 4569 / 20610 2121 / 10-21-06

Chain of Custody Record

Lab Report No.:

Company: AES

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 of 1

FDEP Facility No.:

Project Name: DMS 28 Brookley Field

Location: Mobile, AL

Project No.: 0405-517-07

Attn: Emilie Wein

Phone:

Fax:

Sampled by [Print Name]/Affiliation: Emilie Wein

Sampler Signature:

Item No.	Field ID No. *	Sampled Date	Sampled Time	Grab or Comp.	Matrix Codes	No. Cont.	Fl H 8260 Trichloroethane only	Full 8270	dlb Changed per client request 1/11/07					←Preservative / ←Analysis / REQUESTED DUE DATE: Remarks	Lab. No.
	B-11[3] (0-12")	10/19/06	0905		SO	4	X	X						* Sample ID's changed per client dlb 1/11/07	1
	B-11[3] (8-10')		1100			4	X	X							2
	B-12[4] (0-12")		1300			4	X	X							3
	B-12[4] (8-10')		1345			4	X	X							4
	B-18[5] (0-12")		1500			4	X	X							5
	B-13[5] (6-8')		1530			4	X	X							6
	B-14[9] (0-12")		1640			4	X	X							7
	B-14[9] (6-8')		1700			4	X	X							8

32 ←Total Number of Containers

Shipment Method

Out: / / Via:

Returned: / / Via:

Additional Comments

Item #	Relinquished by / Affiliation	Date	Time	Accepted by / Affiliation	Date	Time
	[signature]	10/20/06	1530	[signature]	10/20/06	1530
	[signature]	10/20/06	1730	Fedex by/A	10/20/06	1730
	Fedex by/A	10/21/06	1130	R Ducrest	10/21/06	1130

Cooler No.(s) / Temperature(s) (°C)	Sampling Kit No.	Equipment ID No.
3°		

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)

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 05/23/2006

GCAL Report 206051207

Deliver To	Aerostar 803 Government St Suite A Mobile, AL 36602
Attn	Emilie Wien

Customer Aerostar

Project Brookley Field

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

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

Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
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 206051207

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20605120701	B-9/TW-14	Water	05/11/2006 10:42	05/12/2006 10:00
20605120702	B-10/TW-15	Water	05/11/2006 11:54	05/12/2006 10:00
20605120703	B-11/TW-16	Water	05/11/2006 13:30	05/12/2006 10:00
20605120704	HA-11 (8-10)	Solid	05/11/2006 14:15	05/12/2006 10:00
20605120705	HA-12 (8-10)	Solid	05/11/2006 14:05	05/12/2006 10:00
20605120706	HA-13 (8-10)	Solid	05/11/2006 13:50	05/12/2006 10:00

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20605120701	B-9/TW-14	Water	05/11/2006 10:42	05/12/2006 10:00

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	05/22/2006 18:26	ABD	323867

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000173U	0.00100	0.000173	mg/L
75-34-3	1,1-Dichloroethane	0.000252U	0.00100	0.000252	mg/L
75-35-4	1,1-Dichloroethene	0.000229U	0.00100	0.000229	mg/L
56-23-5	Carbon tetrachloride	0.000128U	0.00100	0.000128	mg/L
75-00-3	Chloroethane	0.000596U	0.00100	0.000596	mg/L
67-66-3	Chloroform	0.000194U	0.000300	0.000194	mg/L
75-09-2	Methylene chloride	0.000445U	0.00100	0.000445	mg/L
127-18-4	Tetrachloroethene	0.000227U	0.00100	0.000227	mg/L
79-01-6	Trichloroethene	0.000270U	0.00100	0.000270	mg/L
75-01-4	Vinyl chloride	0.0000890U	0.00100	0.0000890	mg/L
156-59-2	cis-1,2-Dichloroethene	0.000163U	0.00100	0.000163	mg/L
156-60-5	trans-1,2-Dichloroethene	0.000139U	0.00100	0.000139	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.053	mg/L	106	75 - 120
1868-53-7	Dibromofluoromethane	.05	.047	mg/L	93	85 - 115
2037-26-5	Toluene d8	.05	.055	mg/L	111	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.048	mg/L	95	70 - 120

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20605120702	B-10/TW-15	Water	05/11/2006 11:54	05/12/2006 10:00

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	05/22/2006 18:49	ABD	323867

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000173U	0.00100	0.000173	mg/L
75-34-3	1,1-Dichloroethane	0.000252U	0.00100	0.000252	mg/L
75-35-4	1,1-Dichloroethene	0.000229U	0.00100	0.000229	mg/L
56-23-5	Carbon tetrachloride	0.000128U	0.00100	0.000128	mg/L
75-00-3	Chloroethane	0.000596U	0.00100	0.000596	mg/L
67-66-3	Chloroform	0.000194U	0.000300	0.000194	mg/L
75-09-2	Methylene chloride	0.000445U	0.00100	0.000445	mg/L
127-18-4	Tetrachloroethene	0.000227U	0.00100	0.000227	mg/L
79-01-6	Trichloroethene	0.000270U	0.00100	0.000270	mg/L
75-01-4	Vinyl chloride	0.0000890U	0.00100	0.0000890	mg/L
156-59-2	cis-1,2-Dichloroethene	0.000163U	0.00100	0.000163	mg/L
156-60-5	trans-1,2-Dichloroethene	0.000139U	0.00100	0.000139	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.052	mg/L	105	75 - 120
1868-53-7	Dibromofluoromethane	.05	.046	mg/L	93	85 - 115
2037-26-5	Toluene d8	.05	.055	mg/L	111	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.048	mg/L	96	70 - 120

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20605120703	B-11/TW-16	Water	05/11/2006 13:30	05/12/2006 10:00

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	05/22/2006 19:11	ABD	323867

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000173U	0.00100	0.000173	mg/L
75-34-3	1,1-Dichloroethane	0.000252U	0.00100	0.000252	mg/L
75-35-4	1,1-Dichloroethene	0.000229U	0.00100	0.000229	mg/L
56-23-5	Carbon tetrachloride	0.000128U	0.00100	0.000128	mg/L
75-00-3	Chloroethane	0.000596U	0.00100	0.000596	mg/L
67-66-3	Chloroform	0.000194U	0.000300	0.000194	mg/L
75-09-2	Methylene chloride	0.000445U	0.00100	0.000445	mg/L
127-18-4	Tetrachloroethene	0.000227U	0.00100	0.000227	mg/L
79-01-6	Trichloroethene	0.000270U	0.00100	0.000270	mg/L
75-01-4	Vinyl chloride	0.0000890U	0.00100	0.0000890	mg/L
156-59-2	cis-1,2-Dichloroethene	0.000163U	0.00100	0.000163	mg/L
156-60-5	trans-1,2-Dichloroethene	0.000139U	0.00100	0.000139	mg/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.053	mg/L	106	75 - 120
1868-53-7	Dibromofluoromethane	.05	.047	mg/L	94	85 - 115
2037-26-5	Toluene d8	.05	.056	mg/L	112	85 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.049	mg/L	97	70 - 120

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20605120704	HA-11 (8-10)	Solid	05/11/2006 14:15	05/12/2006 10:00

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	05/21/2006 14:43	JCK	323742

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000118U	0.00478	0.000118	mg/kg
75-34-3	1,1-Dichloroethane	0.000152U	0.00478	0.000152	mg/kg
75-35-4	1,1-Dichloroethene	0.000343U	0.00478	0.000343	mg/kg
56-23-5	Carbon tetrachloride	0.000115U	0.00478	0.000115	mg/kg
75-00-3	Chloroethane	0.000580U	0.00478	0.000580	mg/kg
67-66-3	Chloroform	0.000135U	0.00478	0.000135	mg/kg
75-09-2	Methylene chloride	0.000458U	0.00956	0.000458	mg/kg
127-18-4	Tetrachloroethene	0.000184U	0.00478	0.000184	mg/kg
79-01-6	Trichloroethene	0.000169U	0.00478	0.000169	mg/kg
75-01-4	Vinyl chloride	0.000336U	0.00478	0.000336	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000121U	0.00478	0.000121	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000157U	0.00478	0.000157	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.041	.038	mg/kg	92	84 - 118
1868-53-7	Dibromofluoromethane	.041	.04	mg/kg	97	65 - 135
2037-26-5	Toluene d8	.041	.043	mg/kg	104	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.041	.042	mg/kg	102	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20605120704	HA-11 (8-10)	Solid	05/11/2006 14:15	05/12/2006 10:00

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	05/12/2006 10:10	HLO	323149

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	13.7			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20605120705	HA-12 (8-10)	Solid	05/11/2006 14:05	05/12/2006 10:00

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	05/21/2006 16:34	JCK	323742

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000180U	0.00732	0.000180	mg/kg
75-34-3	1,1-Dichloroethane	0.000233U	0.00732	0.000233	mg/kg
75-35-4	1,1-Dichloroethene	0.000526U	0.00732	0.000526	mg/kg
56-23-5	Carbon tetrachloride	0.000176U	0.00732	0.000176	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
75-09-2	Methylene chloride	0.000701U	0.015	0.000701	mg/kg
127-18-4	**Tetrachloroethene**	**0.00191J**	**0.00732**	**0.000281**	**mg/kg**
79-01-6	**Trichloroethene**	**0.00353J**	**0.00732**	**0.000259**	**mg/kg**
75-01-4	Vinyl chloride	0.000514U	0.00732	0.000514	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000184U	0.00732	0.000184	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000240U	0.00732	0.000240	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.061	.061	mg/kg	100	84 - 118
1868-53-7	Dibromofluoromethane	.061	.059	mg/kg	97	65 - 135
2037-26-5	Toluene d8	.061	.064	mg/kg	106	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.061	.066	mg/kg	110	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20605120705	HA-12 (8-10)	Solid	05/11/2006 14:05	05/12/2006 10:00

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	05/12/2006 10:10	HLO	323149

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	17.3			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20605120706	HA-13 (8-10)	Solid	05/11/2006 13:50	05/12/2006 10:00

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	05/21/2006 15:27	JCK	323742

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000314U	0.013	0.000314	mg/kg
75-34-3	1,1-Dichloroethane	0.000405U	0.013	0.000405	mg/kg
75-35-4	1,1-Dichloroethene	0.000915U	0.013	0.000915	mg/kg
56-23-5	Carbon tetrachloride	0.000306U	0.013	0.000306	mg/kg
75-00-3	Chloroethane	0.00155U	0.013	0.00155	mg/kg
67-66-3	Chloroform	0.000360U	0.013	0.000360	mg/kg
75-09-2	Methylene chloride	0.00122U	0.026	0.00122	mg/kg
127-18-4	**Tetrachloroethene**	**0.00505J**	**0.013**	**0.000490**	**mg/kg**
79-01-6	Trichloroethene	0.000451U	0.013	0.000451	mg/kg
75-01-4	Vinyl chloride	0.000895U	0.013	0.000895	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000321U	0.013	0.000321	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000418U	0.013	0.000418	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.11	.11	mg/kg	100	84 - 118
1868-53-7	Dibromofluoromethane	.11	.117	mg/kg	107	65 - 135
2037-26-5	Toluene d8	.11	.127	mg/kg	116	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.11	.123	mg/kg	112	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20605120706	HA-13 (8-10)	Solid	05/11/2006 13:50	05/12/2006 10:00

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	05/12/2006 10:10	HLO	323149

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	14.0			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GC/MS Volatiles Quality Control Summary

Analytical Batch	323742	**Client ID**	MB323742			LCS323742				LCSD323742		
Prep Batch	N/A	**GCAL ID**	372992			372993				372994		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	05/21/2006 12:36			05/21/2006 11:31				05/21/2006 11:53		
		Matrix	Solid			Solid				Solid		
8260B, Volatiles		**Units**	mg/kg									
		Result	**RDL**	**Spike Added**	**Result**	**% R**	**Control Limits % R**		**Result**	**% R**	**RPD**	**RPD Limit**
56-23-5	Carbon tetrachloride	0.000120U	0.000120	0.025	0.025	102	67 - 133		0.024	96	4	30
75-00-3	Chloroethane	0.000606U	0.000606	0.025	0.025	98	41 - 141		0.021	84	17	30
67-66-3	Chloroform	0.000141U	0.000141	0.025	0.024	95	72 - 124		0.021	86	13	30
75-34-3	1,1-Dichloroethane	0.000159U	0.000159	0.025	0.025	99	73 - 125		0.023	91	8	30
156-59-2	cis-1,2-Dichloroethene	0.000126U	0.000126	0.025	0.025	99	67 - 125		0.023	93	8	30
156-60-5	trans-1,2-Dichloroethene	0.000164U	0.000164	0.025	0.025	102	66 - 134		0.023	91	8	30
75-09-2	Methylene chloride	0.000479U	0.000479	0.025	0.025	100	63 - 137		0.023	92	8	30
127-18-4	Tetrachloroethene	0.000192U	0.000192	0.025	0.025	100	67 - 139		0.023	92	8	30
71-55-6	1,1,1-Trichloroethane	0.000123U	0.000123	0.025	0.026	104	68 - 130		0.024	94	8	30
75-01-4	Vinyl chloride	0.000351U	0.000351	0.025	0.024	97	58 - 126		0.021	85	13	30
75-35-4	1,1-Dichloroethene	0.000359U	0.000359	0.025	0.024	97	65 - 136		0.023	90	4	30
79-01-6	Trichloroethene	0.000177U	0.000177	0.025	0.025	99	77 - 124		0.023	93	8	30
Surrogate												
460-00-4	4-Bromofluorobenzene	53.5	107	50	51.3	103	84 - 118		52	104		
1868-53-7	Dibromofluoromethane	52.6	105	50	46.6	93	65 - 135		46.8	94		
2037-26-5	Toluene d8	57.8	116	50	50.8	102	84 - 116		53.9	108		
17060-07-0	1,2-Dichloroethane-d4	52.4	105	50	49.3	99	52 - 149		46.7	93		

Analytical Batch	323867	**Client ID**	MB323867			LCS323867				LCSD323867		
Prep Batch	N/A	**GCAL ID**	373467			373468				373469		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	05/22/2006 17:28			05/22/2006 16:21				05/22/2006 16:43		
		Matrix	Water			Water				Water		
8260B, Volatiles		**Units**	mg/L									
		Result	**RDL**	**Spike Added**	**Result**	**% R**	**Control Limits % R**		**Result**	**% R**	**RPD**	**RPD Limit**
56-23-5	Carbon tetrachloride	0.000128U	0.000128	0.025	0.022	87	65 - 140		0.022	88	0	20
75-00-3	Chloroethane	0.000596U	0.000596	0.025	0.020	78	60 - 135		0.020	78	0	20
67-66-3	Chloroform	0.000194U	0.000194	0.025	0.025	98	65 - 135		0.025	100	0	20
75-34-3	1,1-Dichloroethane	0.000252U	0.000252	0.025	0.024	96	70 - 135		0.024	96	0	20
156-59-2	cis-1,2-Dichloroethene	0.000163U	0.000163	0.025	0.022	88	70 - 125		0.022	89	0	20
156-60-5	trans-1,2-Dichloroethene	0.000139U	0.000139	0.025	0.024	97	60 - 140		0.024	96	0	20
75-09-2	Methylene chloride	0.000445U	0.000445	0.025	0.021	85	55 - 140		0.021	85	0	20

GC/MS Volatiles Quality Control Summary

Analytical Batch 323867	**Client ID**	MB323867	LCS323867	LCSD323867
Prep Batch N/A	**GCAL ID**	373467	373468	373469
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	05/22/2006 17:28	05/22/2006 16:21	05/22/2006 16:43
	Matrix	Water	Water	Water

8260B, Volatiles		**Units**	mg/L	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
127-18-4	Tetrachloroethene	0.000227U	0.000227	0.025	0.025	98	45 - 150	0.025	99	0	20
71-55-6	1,1,1-Trichloroethane	0.000173U	0.000173	0.025	0.022	86	65 - 130	0.023	90	4	20
75-01-4	Vinyl chloride	0.0000890U	0.0000890	0.025	0.019	76	50 - 145	0.018	72	5	20
75-35-4	1,1-Dichloroethene	0.000229U	0.000229	0.025	0.023	90	70 - 130	0.023	91	0	20
79-01-6	Trichloroethene	0.000270U	0.000270	0.025	0.024	95	70 - 125	0.024	96	0	20
Surrogate											
460-00-4	4-Bromofluorobenzene	52.4	105	50	56.2	112	75 - 120	55.4	111		
1868-53-7	Dibromofluoromethane	46.7	93	50	46.8	94	85 - 115	46	92		
2037-26-5	Toluene d8	55.9	112	50	53.8	108	85 - 120	53.4	107		
17060-07-0	1,2-Dichloroethane-d4	36.2	72	50	37.6	75	70 - 120	36.7	73		

Analytical Batch 323867	**Client ID**	B-9/TW-14	369186MS	369186MSD
Prep Batch N/A	**GCAL ID**	20605120701	373482	373483
	Sample Type	SAMPLE	MS	MSD
	Analytical Date	05/22/2006 18:26	05/22/2006 19:34	05/22/2006 19:56
	Matrix	Water	Water	Water

8260B, Volatiles		**Units**	mg/L	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
56-23-5	Carbon tetrachloride	0.00	0.000128	0.025	0.021	84	66 - 138	0.020	79	5	20
75-00-3	Chloroethane	0.00	0.000596	0.025	0.020	79	58 - 133	0.020	82	0	20
67-66-3	Chloroform	0.00	0.000194	0.025	0.024	96	69 - 128	0.024	94	0	20
75-34-3	1,1-Dichloroethane	0.00	0.000252	0.025	0.023	92	69 - 133	0.022	89	4	20
156-59-2	cis-1,2-Dichloroethene	0.00	0.000163	0.025	0.021	85	72 - 126	0.020	81	5	20
156-60-5	trans-1,2-Dichloroethene	0.00	0.000139	0.025	0.022	90	63 - 137	0.022	88	0	20
75-09-2	Methylene chloride	0.00	0.000445	0.025	0.021	83	63 - 137	0.021	82	0	20
127-18-4	Tetrachloroethene	0.00	0.000227	0.025	0.024	97	66 - 128	0.022	89	9	20
71-55-6	1,1,1-Trichloroethane	0.00	0.000173	0.025	0.021	82	67 - 132	0.020	80	5	20
75-01-4	Vinyl chloride	0.00	0.0000890	0.025	0.018	70	50 - 134	0.016	65	12	20
75-35-4	1,1-Dichloroethene	0.00	0.000229	0.025	0.021	82	68 - 130	0.020	81	5	20
79-01-6	Trichloroethene	0.00	0.000270	0.025	0.022	87	70 - 127	0.021	86	5	20
Surrogate											
460-00-4	4-Bromofluorobenzene	.053	106	50	60.4	**121***	75 - 120	57.5	115		

GC/MS Volatiles Quality Control Summary

Analytical Batch 323867	**Client ID**	B-9/TW-14	369186MS	369186MSD	
Prep Batch N/A	**GCAL ID**	20605120701	373482	373483	
	Sample Type	SAMPLE	MS	MSD	
	Analytical Date	05/22/2006 18:26	05/22/2006 19:34	05/22/2006 19:56	
	Matrix	Water	Water	Water	

8260B, Volatiles		**Units**	mg/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
1868-53-7	Dibromofluoromethane	.047	93	50	47.3	95	85 - 115	45.9	92		
2037-26-5	Toluene d8	.055	111	50	55.1	110	85 - 120	53	106		
17060-07-0	1,2-Dichloroethane-d4	.048	95	50	44.7	89	70 - 120	46.3	93		

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date

GCAL Report 206041918

Deliver To	Aerostar 803 Government St Suite A Mobile, AL 36602
Attn	Emilie Wien

Customer	Aerostar
Project	Brookley Field

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

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

Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
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 206041918

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604191801	B-1/TW-6	Water	04/18/2006 16:40	04/19/2006 09:25
20604191802	B-2/TW-7	Water	04/18/2006 16:50	04/19/2006 09:25
20604191803	B-3/TW-8	Water	04/18/2006 16:55	04/19/2006 09:25
20604191804	B-4/TW-9	Water	04/18/2006 17:00	04/19/2006 09:25
20604191805	B-5/TW-10	Water	04/18/2006 17:05	04/19/2006 09:25
20604191806	B-6/TW-11	Water	04/18/2006 17:10	04/19/2006 09:25
20604191807	B-7/TW-12	Water	04/18/2006 17:15	04/19/2006 09:25
20604191808	B-8/TW-13	Water	04/18/2006 17:20	04/19/2006 09:25
20604191809	MS/TW-6	Water	04/18/2006 00:00	04/19/2006 09:25
20604191810	MSD/TW-6	Water	04/18/2006 00:00	04/19/2006 09:25
20604191811	DUP	Water	04/18/2006 00:00	04/19/2006 09:25
20604191812	TRIP	Water	04/18/2006 00:00	04/19/2006 09:25
20604191813	RINSATE	Water	04/18/2006 00:00	04/19/2006 09:25

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604191801	B-1/TW-6	Water	04/18/2006 16:40	04/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/21/2006 10:58	VWM	320888

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	**Trichloroethene**	**16.5**	**5.00**	**0.270**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.048	mg/L	95	76 - 119
1868-53-7	Dibromofluoromethane	.05	.052	mg/L	104	85 - 115
2037-26-5	Toluene d8	.05	.05	mg/L	99	81 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.05	mg/L	101	72 - 119

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604191802	B-2/TW-7	Water	04/18/2006 16:50	04/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/21/2006 11:23	VWM	320888

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	**Trichloroethene**	**19.7**	**5.00**	**0.270**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.047	mg/L	94	76 - 119
1868-53-7	Dibromofluoromethane	.05	.052	mg/L	103	85 - 115
2037-26-5	Toluene d8	.05	.048	mg/L	96	81 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.051	mg/L	102	72 - 119

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604191803	B-3/TW-8	Water	04/18/2006 16:55	04/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			2	04/21/2006 11:48	VWM	320888

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	**Trichloroethene**	**130**	**10.0**	**0.540**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.1	.098	mg/L	98	76 - 119
1868-53-7	Dibromofluoromethane	.1	.107	mg/L	107	85 - 115
2037-26-5	Toluene d8	.1	.1	mg/L	100	81 - 120
17060-07-0	1,2-Dichloroethane-d4	.1	.106	mg/L	106	72 - 119

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604191804	B-4/TW-9	Water	04/18/2006 17:00	04/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/21/2006 12:13	VWM	320888

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	0.270U	5.00	0.270	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.048	mg/L	96	76 - 119
1868-53-7	Dibromofluoromethane	.05	.052	mg/L	104	85 - 115
2037-26-5	Toluene d8	.05	.051	mg/L	102	81 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.052	mg/L	103	72 - 119

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604191805	B-5/TW-10	Water	04/18/2006 17:05	04/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/21/2006 12:38	VWM	320888

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	0.270U	5.00	0.270	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.047	mg/L	94	76 - 119
1868-53-7	Dibromofluoromethane	.05	.052	mg/L	104	85 - 115
2037-26-5	Toluene d8	.05	.048	mg/L	97	81 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.053	mg/L	106	72 - 119

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604191806	B-6/TW-11	Water	04/18/2006 17:10	04/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/21/2006 15:10	VWM	320888

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	**Trichloroethene**	**6.74**	**5.00**	**0.270**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.045	mg/L	89	76 - 119
1868-53-7	Dibromofluoromethane	.05	.052	mg/L	104	85 - 115
2037-26-5	Toluene d8	.05	.051	mg/L	102	81 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.054	mg/L	107	72 - 119

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604191807	B-7/TW-12	Water	04/18/2006 17:15	04/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/21/2006 14:45	VWM	320888

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	0.270U	5.00	0.270	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.046	mg/L	91	76 - 119
1868-53-7	Dibromofluoromethane	.05	.053	mg/L	106	85 - 115
2037-26-5	Toluene d8	.05	.051	mg/L	102	81 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.054	mg/L	107	72 - 119

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604191808	B-8/TW-13	Water	04/18/2006 17:20	04/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			20	04/21/2006 15:35	VWM	320888

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	**Trichloroethene**	**145**	**100**	**5.40**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	1	.885	mg/L	89	76 - 119
1868-53-7	Dibromofluoromethane	1	1.05	mg/L	105	85 - 115
2037-26-5	Toluene d8	1	.99	mg/L	99	81 - 120
17060-07-0	1,2-Dichloroethane-d4	1	1.08	mg/L	108	72 - 119

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604191809	MS/TW-6	Water	04/18/2006 00:00	04/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/21/2006 13:27	VWM	320888

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	**Trichloroethene**	**38.5**	**5.00**	**0.270**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.048	mg/L	96	76 - 119
1868-53-7	Dibromofluoromethane	.05	.055	mg/L	110	85 - 115
2037-26-5	Toluene d8	.05	.047	mg/L	93	81 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.053	mg/L	107	72 - 119

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604191810	MSD/TW-6	Water	04/18/2006 00:00	04/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/21/2006 13:55	VWM	320888

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	**Trichloroethene**	**40.6**	**5.00**	**0.270**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.045	mg/L	90	76 - 119
1868-53-7	Dibromofluoromethane	.05	.054	mg/L	108	85 - 115
2037-26-5	Toluene d8	.05	.047	mg/L	93	81 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.054	mg/L	107	72 - 119

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604191811	DUP	Water	04/18/2006 00:00	04/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/21/2006 17:16	VWM	320888

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	**Trichloroethene**	**20.1**	**5.00**	**0.270**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.046	mg/L	92	76 - 119
1868-53-7	Dibromofluoromethane	.05	.053	mg/L	106	85 - 115
2037-26-5	Toluene d8	.05	.05	mg/L	100	81 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.056	mg/L	111	72 - 119

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604191812	TRIP	Water	04/18/2006 00:00	04/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/21/2006 16:26	VWM	320888

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	0.270U	5.00	0.270	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.044	mg/L	88	76 - 119
1868-53-7	Dibromofluoromethane	.05	.054	mg/L	107	85 - 115
2037-26-5	Toluene d8	.05	.049	mg/L	97	81 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.056	mg/L	112	72 - 119

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20604191813	RINSATE	Water	04/18/2006 00:00	04/19/2006 09:25

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	04/21/2006 16:51	VWM	320888

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	0.270U	5.00	0.270	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.05	.046	mg/L	91	76 - 119
1868-53-7	Dibromofluoromethane	.05	.054	mg/L	107	85 - 115
2037-26-5	Toluene d8	.05	.05	mg/L	101	81 - 120
17060-07-0	1,2-Dichloroethane-d4	.05	.056	mg/L	112	72 - 119

GC/MS Volatiles Quality Control Summary

Analytical Batch	320888	**Client ID**	MB320888			LCS320888				LCSD320888		
Prep Batch	N/A	**GCAL ID**	360696			360697				360698		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	04/21/2006 09:56			04/21/2006 08:35				04/21/2006 09:00		
		Matrix	Water			Water				Water		
8260B, Volatiles		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
79-01-6	Trichloroethene	0.270U	0.270	25.0	24.1	96	70 - 127	24.1	96	0	20	
Surrogate												
460-00-4	4-Bromofluorobenzene	47.8	96	50	51	102	76 - 119	52.5	105			
1868-53-7	Dibromofluoromethane	52.2	104	50	53	106	85 - 115	51.9	104			
2037-26-5	Toluene d8	49	98	50	48.3	97	81 - 120	50.5	101			
17060-07-0	1,2-Dichloroethane-d4	51.3	103	50	52.1	104	72 - 119	52.1	104			

Analytical Batch	320888	**Client ID**	B-1/TW-6			MS/TW-6				MSD/TW-6		
Prep Batch	N/A	**GCAL ID**	20604191801			20604191809				20604191810		
		Sample Type	SAMPLE			MS				MSD		
		Analytical Date	04/21/2006 10:58			04/21/2006 13:27				04/21/2006 13:55		
		Matrix	Water			Water				Water		
8260B, Volatiles		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**	
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**	
79-01-6	Trichloroethene	16.5	0.270	25.0	38.5	88	70 - 127	40.6	96	5	20	
Surrogate												
460-00-4	4-Bromofluorobenzene	.048	95	.05	.048	96	76 - 119	.045	90			
1868-53-7	Dibromofluoromethane	.052	104	.05	.055	110	85 - 115	.054	108			
2037-26-5	Toluene d8	.05	99	.05	.047	93	81 - 120	.047	93			
17060-07-0	1,2-Dichloroethane-d4	.05	101	.05	.053	107	72 - 119	.054	107			

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200701	HA-14 (0-12)	Solid	03/19/2007 08:45	03/20/2007 08:50
20703200702	HA-14 (8-10)	Solid	03/19/2007 08:55	03/20/2007 08:50
20703200703	HA-15 (0-12)	Solid	03/19/2007 09:30	03/20/2007 08:50
20703200704	HA-15 (8-10)	Solid	03/19/2007 09:45	03/20/2007 08:50
20703200705	B-17 (0-12)	Solid	03/19/2007 10:45	03/20/2007 08:50
20703200706	B-17 (8-10)	Solid	03/19/2007 10:55	03/20/2007 08:50

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200701	**HA-14 (0-12)**	Solid	03/19/2007 08:45	03/20/2007 08:50

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.036	0.032	0.000474	mg/kg
79-01-6	Trichloroethene	0.017	0.00634	0.000224	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200702	**HA-14 (8-10)**	Solid	03/19/2007 08:55	03/20/2007 08:50

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
78-93-3	2-Butanone	0.028	0.00866	0.000540	mg/kg
67-64-1	Acetone	0.022J	0.043	0.000647	mg/kg
74-83-9	Bromomethane	0.012	0.00866	0.00261	mg/kg
79-01-6	Trichloroethene	0.00962	0.00866	0.000306	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.00678J	0.00866	0.000218	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200703	**HA-15 (0-12)**	Solid	03/19/2007 09:30	03/20/2007 08:50

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	0.586	0.380	0.013	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200704	**HA-15 (8-10)**	Solid	03/19/2007 09:45	03/20/2007 08:50

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	Trichloroethene	0.132J	0.474	0.017	mg/kg

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
67-64-1	Acetone	0.011J	0.042	0.000635	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.036	0.00849	0.000214	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200705	**B-17 (0-12)**	Solid	03/19/2007 10:45	03/20/2007 08:50

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	Tetrachloroethene	0.933	0.368	0.014	mg/kg

Summary of Compounds Detected (con't)

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200706	**B-17 (8-10)**	Solid	03/19/2007 10:55	03/20/2007 08:50

8260B, Volatiles

CAS#	Parameter	Result	RDL	MDL	Units
127-18-4	**Tetrachloroethene**	**0.186**	**0.00891**	**0.000342**	**mg/kg**

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200701	**HA-14 (0-12)**	Solid	03/19/2007 08:45	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/26/2007 22:02	DLB	345646

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000156U	0.00634	0.000156	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.000228U	0.00634	0.000228	mg/kg
79-00-5	1,1,2-Trichloroethane	0.000145U	0.00634	0.000145	mg/kg
75-34-3	1,1-Dichloroethane	0.000202U	0.00634	0.000202	mg/kg
75-35-4	1,1-Dichloroethene	0.000455U	0.00634	0.000455	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.000415U	0.00634	0.000415	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.00110U	0.00634	0.00110	mg/kg
106-93-4	1,2-Dibromoethane	0.000190U	0.00634	0.000190	mg/kg
95-50-1	1,2-Dichlorobenzene	0.000145U	0.00634	0.000145	mg/kg
107-06-2	1,2-Dichloroethane	0.000145U	0.00634	0.000145	mg/kg
78-87-5	1,2-Dichloropropane	0.000142U	0.00634	0.000142	mg/kg
541-73-1	1,3-Dichlorobenzene	0.000299U	0.00634	0.000299	mg/kg
106-46-7	1,4-Dichlorobenzene	0.000534U	0.00634	0.000534	mg/kg
78-93-3	2-Butanone	0.000396U	0.00634	0.000396	mg/kg
591-78-6	2-Hexanone	0.00105U	0.00634	0.00105	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000219U	0.00634	0.000219	mg/kg
67-64-1	**Acetone**	**0.036**	**0.032**	**0.000474**	**mg/kg**
71-43-2	Benzene	0.000132U	0.00634	0.000132	mg/kg
75-27-4	Bromodichloromethane	0.000171U	0.00634	0.000171	mg/kg
75-25-2	Bromoform	0.000214U	0.00634	0.000214	mg/kg
74-83-9	Bromomethane	0.00191U	0.00634	0.00191	mg/kg
75-15-0	Carbon disulfide	0.000138U	0.00634	0.000138	mg/kg
56-23-5	Carbon tetrachloride	0.000152U	0.00634	0.000152	mg/kg
108-90-7	Chlorobenzene	0.000209U	0.00634	0.000209	mg/kg
75-00-3	Chloroethane	0.000768U	0.00634	0.000768	mg/kg
67-66-3	Chloroform	0.000179U	0.00634	0.000179	mg/kg
74-87-3	Chloromethane	0.000588U	0.00634	0.000588	mg/kg
110-82-7	Cyclohexane	0.00140U	0.00634	0.00140	mg/kg
124-48-1	Dibromochloromethane	0.000114U	0.00634	0.000114	mg/kg
75-71-8	Dichlorodifluoromethane	0.000462U	0.00634	0.000462	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.000146U	0.00634	0.000146	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000179U	0.00634	0.000179	mg/kg
100-41-4	Ethylbenzene	0.000262U	0.00634	0.000262	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000194U	0.00634	0.000194	mg/kg
79-20-9	Methyl Acetate	0.00194U	0.00634	0.00194	mg/kg
108-87-2	Methylcyclohexane	0.000469U	0.00634	0.000469	mg/kg
75-09-2	Methylene chloride	0.000607U	0.013	0.000607	mg/kg
100-42-5	Styrene	0.000193U	0.00634	0.000193	mg/kg
127-18-4	Tetrachloroethene	0.000243U	0.00634	0.000243	mg/kg
108-88-3	Toluene	0.000697U	0.00634	0.000697	mg/kg
79-01-6	**Trichloroethene**	**0.017**	**0.00634**	**0.000224**	**mg/kg**
75-69-4	Trichlorofluoromethane	0.000320U	0.00634	0.000320	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000238U	0.00634	0.000238	mg/kg
75-01-4	Vinyl chloride	0.000445U	0.00634	0.000445	mg/kg
1330-20-7	Xylene (total)	0.000725U	0.013	0.000725	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000160U	0.00634	0.000160	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.0000938U	0.00634	0.0000938	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000208U	0.00634	0.000208	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200701	**HA-14 (0-12)**	Solid	03/19/2007 08:45	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/26/2007 22:02	DLB	345646

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.057	.063	mg/kg	110	84 - 118
1868-53-7	Dibromofluoromethane	.057	.064	mg/kg	111	65 - 135
2037-26-5	Toluene d8	.057	.072	mg/kg	**125***	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.057	.061	mg/kg	106	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200701	**HA-14 (0-12)**	Solid	03/19/2007 08:45	03/20/2007 08:50

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2007 11:45	RLY	345206

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**9.55**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200702	**HA-14 (8-10)**	Solid	03/19/2007 08:55	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/26/2007 22:27	DLB	345646

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**	**0.028**	**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
67-64-1	**Acetone**	**0.022J**	**0.043**	**0.000647**	**mg/kg**
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**	**0.012**	**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	0.00191U	0.00866	0.00191	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
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**	**0.00962**	**0.00866**	**0.000306**	**mg/kg**
75-69-4	Trichlorofluoromethane	0.000436U	0.00866	0.000436	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000325U	0.00866	0.000325	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**	**0.00678J**	**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

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200702	**HA-14 (8-10)**	Solid	03/19/2007 08:55	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/26/2007 22:27	DLB	345646

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.072	.089	mg/kg	**124***	84 - 118
1868-53-7	Dibromofluoromethane	.072	.086	mg/kg	119	65 - 135
2037-26-5	Toluene d8	.072	.091	mg/kg	**126***	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.072	.087	mg/kg	120	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200702	**HA-14 (8-10)**	Solid	03/19/2007 08:55	03/20/2007 08:50

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2007 11:45	RLY	345206

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**16.5**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200703	**HA-15 (0-12)**	Solid	03/19/2007 09:30	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	03/27/2007 14:54	DLB	345746

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.00936U	0.380	0.00936	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.014U	0.380	0.014	mg/kg
79-00-5	1,1,2-Trichloroethane	0.00867U	0.380	0.00867	mg/kg
75-34-3	1,1-Dichloroethane	0.012U	0.380	0.012	mg/kg
75-35-4	1,1-Dichloroethene	0.027U	0.380	0.027	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.025U	0.380	0.025	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.066U	0.380	0.066	mg/kg
106-93-4	1,2-Dibromoethane	0.011U	0.380	0.011	mg/kg
95-50-1	1,2-Dichlorobenzene	0.00867U	0.380	0.00867	mg/kg
107-06-2	1,2-Dichloroethane	0.00867U	0.380	0.00867	mg/kg
78-87-5	1,2-Dichloropropane	0.00852U	0.380	0.00852	mg/kg
541-73-1	1,3-Dichlorobenzene	0.018U	0.380	0.018	mg/kg
106-46-7	1,4-Dichlorobenzene	0.032U	0.380	0.032	mg/kg
78-93-3	2-Butanone	0.024U	0.380	0.024	mg/kg
591-78-6	2-Hexanone	0.063U	0.380	0.063	mg/kg
108-10-1	4-Methyl-2-pentanone	0.013U	0.380	0.013	mg/kg
67-64-1	Acetone	0.028U	1.90	0.028	mg/kg
71-43-2	Benzene	0.00791U	0.380	0.00791	mg/kg
75-27-4	Bromodichloromethane	0.010U	0.380	0.010	mg/kg
75-25-2	Bromoform	0.013U	0.380	0.013	mg/kg
74-83-9	Bromomethane	0.114U	0.380	0.114	mg/kg
75-15-0	Carbon disulfide	0.00829U	0.380	0.00829	mg/kg
56-23-5	Carbon tetrachloride	0.00913U	0.380	0.00913	mg/kg
108-90-7	Chlorobenzene	0.013U	0.380	0.013	mg/kg
75-00-3	Chloroethane	0.046U	0.380	0.046	mg/kg
67-66-3	Chloroform	0.011U	0.380	0.011	mg/kg
74-87-3	Chloromethane	0.035U	0.380	0.035	mg/kg
110-82-7	Cyclohexane	0.084U	0.380	0.084	mg/kg
124-48-1	Dibromochloromethane	0.00685U	0.380	0.00685	mg/kg
75-71-8	Dichlorodifluoromethane	0.028U	0.380	0.028	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.00875U	0.380	0.00875	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.011U	0.380	0.011	mg/kg
100-41-4	Ethylbenzene	0.016U	0.380	0.016	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.012U	0.380	0.012	mg/kg
79-20-9	Methyl Acetate	0.116U	0.380	0.116	mg/kg
108-87-2	Methylcyclohexane	0.028U	0.380	0.028	mg/kg
75-09-2	Methylene chloride	0.036U	0.761	0.036	mg/kg
100-42-5	Styrene	0.012U	0.380	0.012	mg/kg
127-18-4	Tetrachloroethene	0.015U	0.380	0.015	mg/kg
108-88-3	Toluene	0.042U	0.380	0.042	mg/kg
79-01-6	**Trichloroethene**	**0.586**	**0.380**	**0.013**	**mg/kg**
75-69-4	Trichlorofluoromethane	0.019U	0.380	0.019	mg/kg
76-13-1	Trichlorotrifluoroethane	0.014U	0.380	0.014	mg/kg
75-01-4	Vinyl chloride	0.027U	0.380	0.027	mg/kg
1330-20-7	Xylene (total)	0.044U	0.761	0.044	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.00958U	0.380	0.00958	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00563U	0.380	0.00563	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.012U	0.380	0.012	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200703	**HA-15 (0-12)**	Solid	03/19/2007 09:30	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	03/27/2007 14:54	DLB	345746

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	3.27	3.83	mg/kg	117	84 - 118
1868-53-7	Dibromofluoromethane	3.27	3.05	mg/kg	93	65 - 135
2037-26-5	Toluene d8	3.27	3.61	mg/kg	110	84 - 116
17060-07-0	1,2-Dichloroethane-d4	3.27	2.94	mg/kg	90	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200703	**HA-15 (0-12)**	Solid	03/19/2007 09:30	03/20/2007 08:50

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2007 11:45	RLY	345206

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**14.0**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200704	**HA-15 (8-10)**	Solid	03/19/2007 09:45	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/26/2007 23:15	DLB	345646

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000209U	0.00849	0.000209	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.000306U	0.00849	0.000306	mg/kg
79-00-5	1,1,2-Trichloroethane	0.000194U	0.00849	0.000194	mg/kg
75-34-3	1,1-Dichloroethane	0.000270U	0.00849	0.000270	mg/kg
75-35-4	1,1-Dichloroethene	0.000609U	0.00849	0.000609	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.000555U	0.00849	0.000555	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.00147U	0.00849	0.00147	mg/kg
106-93-4	1,2-Dibromoethane	0.000255U	0.00849	0.000255	mg/kg
95-50-1	1,2-Dichlorobenzene	0.000194U	0.00849	0.000194	mg/kg
107-06-2	1,2-Dichloroethane	0.000194U	0.00849	0.000194	mg/kg
78-87-5	1,2-Dichloropropane	0.000190U	0.00849	0.000190	mg/kg
541-73-1	1,3-Dichlorobenzene	0.000401U	0.00849	0.000401	mg/kg
106-46-7	1,4-Dichlorobenzene	0.000715U	0.00849	0.000715	mg/kg
78-93-3	2-Butanone	0.000530U	0.00849	0.000530	mg/kg
591-78-6	2-Hexanone	0.00140U	0.00849	0.00140	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000294U	0.00849	0.000294	mg/kg
67-64-1	**Acetone**	**0.011J**	**0.042**	**0.000635**	**mg/kg**
71-43-2	Benzene	0.000177U	0.00849	0.000177	mg/kg
75-27-4	Bromodichloromethane	0.000229U	0.00849	0.000229	mg/kg
75-25-2	Bromoform	0.000287U	0.00849	0.000287	mg/kg
74-83-9	Bromomethane	0.00256U	0.00849	0.00256	mg/kg
75-15-0	Carbon disulfide	0.000185U	0.00849	0.000185	mg/kg
56-23-5	Carbon tetrachloride	0.000204U	0.00849	0.000204	mg/kg
108-90-7	Chlorobenzene	0.000280U	0.00849	0.000280	mg/kg
75-00-3	Chloroethane	0.00103U	0.00849	0.00103	mg/kg
67-66-3	Chloroform	0.000239U	0.00849	0.000239	mg/kg
74-87-3	Chloromethane	0.000788U	0.00849	0.000788	mg/kg
110-82-7	Cyclohexane	0.00188U	0.00849	0.00188	mg/kg
124-48-1	Dibromochloromethane	0.000153U	0.00849	0.000153	mg/kg
75-71-8	Dichlorodifluoromethane	0.000618U	0.00849	0.000618	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.000195U	0.00849	0.000195	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000239U	0.00849	0.000239	mg/kg
100-41-4	Ethylbenzene	0.000351U	0.00849	0.000351	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000260U	0.00849	0.000260	mg/kg
79-20-9	Methyl Acetate	0.00260U	0.00849	0.00260	mg/kg
108-87-2	Methylcyclohexane	0.000628U	0.00849	0.000628	mg/kg
75-09-2	Methylene chloride	0.000813U	0.017	0.000813	mg/kg
100-42-5	Styrene	0.000258U	0.00849	0.000258	mg/kg
127-18-4	Tetrachloroethene	0.000326U	0.00849	0.000326	mg/kg
108-88-3	Toluene	0.000934U	0.00849	0.000934	mg/kg
75-69-4	Trichlorofluoromethane	0.000428U	0.00849	0.000428	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000319U	0.00849	0.000319	mg/kg
75-01-4	Vinyl chloride	0.000596U	0.00849	0.000596	mg/kg
1330-20-7	Xylene (total)	0.000971U	0.017	0.000971	mg/kg
156-59-2	**cis-1,2-Dichloroethene**	**0.036**	**0.00849**	**0.000214**	**mg/kg**
1634-04-4	tert-Butyl methyl ether (MTBE)	0.000126U	0.00849	0.000126	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000278U	0.00849	0.000278	mg/kg

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.067	.081	mg/kg	**120***	84 - 118

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200704	**HA-15 (8-10)**	Solid	03/19/2007 09:45	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/26/2007 23:15	DLB	345646

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
1868-53-7	Dibromofluoromethane	.067	.075	mg/kg	112	65 - 135
2037-26-5	Toluene d8	.067	.08	mg/kg	**119***	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.067	.08	mg/kg	118	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200704	**HA-15 (8-10)**	Solid	03/19/2007 09:45	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	03/27/2007 15:16	DLB	345746

CAS#	Parameter	Result	RDL	MDL	Units
79-01-6	**Trichloroethene**	**0.132J**	**0.474**	**0.017**	**mg/kg**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	3.77	4.36	mg/kg	116	84 - 118
1868-53-7	Dibromofluoromethane	3.77	3.56	mg/kg	95	65 - 135
2037-26-5	Toluene d8	3.77	4.12	mg/kg	109	84 - 116
17060-07-0	1,2-Dichloroethane-d4	3.77	3.43	mg/kg	91	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200704	**HA-15 (8-10)**	Solid	03/19/2007 09:45	03/20/2007 08:50

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2007 11:45	RLY	345206

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**20.6**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200705	**B-17 (0-12)**	Solid	03/19/2007 10:45	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	03/27/2007 15:38	DLB	345746

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.00905U	0.368	0.00905	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.013U	0.368	0.013	mg/kg
79-00-5	1,1,2-Trichloroethane	0.00839U	0.368	0.00839	mg/kg
75-34-3	1,1-Dichloroethane	0.012U	0.368	0.012	mg/kg
75-35-4	1,1-Dichloroethene	0.026U	0.368	0.026	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.024U	0.368	0.024	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.064U	0.368	0.064	mg/kg
106-93-4	1,2-Dibromoethane	0.011U	0.368	0.011	mg/kg
95-50-1	1,2-Dichlorobenzene	0.00839U	0.368	0.00839	mg/kg
107-06-2	1,2-Dichloroethane	0.00839U	0.368	0.00839	mg/kg
78-87-5	1,2-Dichloropropane	0.00824U	0.368	0.00824	mg/kg
541-73-1	1,3-Dichlorobenzene	0.017U	0.368	0.017	mg/kg
106-46-7	1,4-Dichlorobenzene	0.031U	0.368	0.031	mg/kg
78-93-3	2-Butanone	0.023U	0.368	0.023	mg/kg
591-78-6	2-Hexanone	0.061U	0.368	0.061	mg/kg
108-10-1	4-Methyl-2-pentanone	0.013U	0.368	0.013	mg/kg
67-64-1	Acetone	0.028U	1.84	0.028	mg/kg
71-43-2	Benzene	0.00765U	0.368	0.00765	mg/kg
75-27-4	Bromodichloromethane	0.00993U	0.368	0.00993	mg/kg
75-25-2	Bromoform	0.012U	0.368	0.012	mg/kg
74-83-9	Bromomethane	0.111U	0.368	0.111	mg/kg
75-15-0	Carbon disulfide	0.00802U	0.368	0.00802	mg/kg
56-23-5	Carbon tetrachloride	0.00883U	0.368	0.00883	mg/kg
108-90-7	Chlorobenzene	0.012U	0.368	0.012	mg/kg
75-00-3	Chloroethane	0.045U	0.368	0.045	mg/kg
67-66-3	Chloroform	0.010U	0.368	0.010	mg/kg
74-87-3	Chloromethane	0.034U	0.368	0.034	mg/kg
110-82-7	Cyclohexane	0.081U	0.368	0.081	mg/kg
124-48-1	Dibromochloromethane	0.00662U	0.368	0.00662	mg/kg
75-71-8	Dichlorodifluoromethane	0.027U	0.368	0.027	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.00846U	0.368	0.00846	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.010U	0.368	0.010	mg/kg
100-41-4	Ethylbenzene	0.015U	0.368	0.015	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.011U	0.368	0.011	mg/kg
79-20-9	Methyl Acetate	0.112U	0.368	0.112	mg/kg
108-87-2	Methylcyclohexane	0.027U	0.368	0.027	mg/kg
75-09-2	Methylene chloride	0.035U	0.736	0.035	mg/kg
100-42-5	Styrene	0.011U	0.368	0.011	mg/kg
127-18-4	**Tetrachloroethene**	**0.933**	**0.368**	**0.014**	**mg/kg**
108-88-3	Toluene	0.040U	0.368	0.040	mg/kg
79-01-6	Trichloroethene	0.013U	0.368	0.013	mg/kg
75-69-4	Trichlorofluoromethane	0.019U	0.368	0.019	mg/kg
76-13-1	Trichlorotrifluoroethane	0.014U	0.368	0.014	mg/kg
75-01-4	Vinyl chloride	0.026U	0.368	0.026	mg/kg
1330-20-7	Xylene (total)	0.042U	0.736	0.042	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.00927U	0.368	0.00927	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00544U	0.368	0.00544	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.012U	0.368	0.012	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200705	**B-17 (0-12)**	Solid	03/19/2007 10:45	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	03/27/2007 15:38	DLB	345746

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	3.03	3.59	mg/kg	**119***	84 - 118
1868-53-7	Dibromofluoromethane	3.03	2.83	mg/kg	94	65 - 135
2037-26-5	Toluene d8	3.03	3.3	mg/kg	109	84 - 116
17060-07-0	1,2-Dichloroethane-d4	3.03	2.78	mg/kg	92	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200705	**B-17 (0-12)**	Solid	03/19/2007 10:45	03/20/2007 08:50

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2007 11:45	RLY	345206

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**17.7**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200706	**B-17 (8-10)**	Solid	03/19/2007 10:55	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2007 00:03	DLB	345646

CAS#	Parameter	Result	RDL	MDL	Units
71-55-6	1,1,1-Trichloroethane	0.000219U	0.00891	0.000219	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.000321U	0.00891	0.000321	mg/kg
79-00-5	1,1,2-Trichloroethane	0.000203U	0.00891	0.000203	mg/kg
75-34-3	1,1-Dichloroethane	0.000283U	0.00891	0.000283	mg/kg
75-35-4	1,1-Dichloroethene	0.000640U	0.00891	0.000640	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.000583U	0.00891	0.000583	mg/kg
96-12-8	1,2-Dibromo-3-chloropropane	0.00154U	0.00891	0.00154	mg/kg
106-93-4	1,2-Dibromoethane	0.000267U	0.00891	0.000267	mg/kg
95-50-1	1,2-Dichlorobenzene	0.000203U	0.00891	0.000203	mg/kg
107-06-2	1,2-Dichloroethane	0.000203U	0.00891	0.000203	mg/kg
78-87-5	1,2-Dichloropropane	0.000200U	0.00891	0.000200	mg/kg
541-73-1	1,3-Dichlorobenzene	0.000421U	0.00891	0.000421	mg/kg
106-46-7	1,4-Dichlorobenzene	0.000750U	0.00891	0.000750	mg/kg
78-93-3	2-Butanone	0.000556U	0.00891	0.000556	mg/kg
591-78-6	2-Hexanone	0.00147U	0.00891	0.00147	mg/kg
108-10-1	4-Methyl-2-pentanone	0.000308U	0.00891	0.000308	mg/kg
67-64-1	Acetone	0.000667U	0.045	0.000667	mg/kg
71-43-2	Benzene	0.000185U	0.00891	0.000185	mg/kg
75-27-4	Bromodichloromethane	0.000241U	0.00891	0.000241	mg/kg
75-25-2	Bromoform	0.000301U	0.00891	0.000301	mg/kg
74-83-9	Bromomethane	0.00268U	0.00891	0.00268	mg/kg
75-15-0	Carbon disulfide	0.000194U	0.00891	0.000194	mg/kg
56-23-5	Carbon tetrachloride	0.000214U	0.00891	0.000214	mg/kg
108-90-7	Chlorobenzene	0.000294U	0.00891	0.000294	mg/kg
75-00-3	Chloroethane	0.00108U	0.00891	0.00108	mg/kg
67-66-3	Chloroform	0.000251U	0.00891	0.000251	mg/kg
74-87-3	Chloromethane	0.000827U	0.00891	0.000827	mg/kg
110-82-7	Cyclohexane	0.00197U	0.00891	0.00197	mg/kg
124-48-1	Dibromochloromethane	0.000160U	0.00891	0.000160	mg/kg
75-71-8	Dichlorodifluoromethane	0.000649U	0.00891	0.000649	mg/kg
10061-01-5	cis-1,3-Dichloropropene	0.000205U	0.00891	0.000205	mg/kg
10061-02-6	trans-1,3-Dichloropropene	0.000251U	0.00891	0.000251	mg/kg
100-41-4	Ethylbenzene	0.000369U	0.00891	0.000369	mg/kg
98-82-8	Isopropylbenzene (Cumene)	0.000273U	0.00891	0.000273	mg/kg
79-20-9	Methyl Acetate	0.00273U	0.00891	0.00273	mg/kg
108-87-2	Methylcyclohexane	0.000659U	0.00891	0.000659	mg/kg
75-09-2	Methylene chloride	0.000854U	0.018	0.000854	mg/kg
100-42-5	Styrene	0.000271U	0.00891	0.000271	mg/kg
127-18-4	**Tetrachloroethene**	**0.186**	**0.00891**	**0.000342**	**mg/kg**
108-88-3	Toluene	0.000980U	0.00891	0.000980	mg/kg
79-01-6	Trichloroethene	0.000315U	0.00891	0.000315	mg/kg
75-69-4	Trichlorofluoromethane	0.000449U	0.00891	0.000449	mg/kg
76-13-1	Trichlorotrifluoroethane	0.000335U	0.00891	0.000335	mg/kg
75-01-4	Vinyl chloride	0.000626U	0.00891	0.000626	mg/kg
1330-20-7	Xylene (total)	0.00102U	0.018	0.00102	mg/kg
156-59-2	cis-1,2-Dichloroethene	0.000225U	0.00891	0.000225	mg/kg
1634-04-4	tert-Butyl methyl ether (MTBE)	0.000132U	0.00891	0.000132	mg/kg
156-60-5	trans-1,2-Dichloroethene	0.000292U	0.00891	0.000292	mg/kg

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200706	**B-17 (8-10)**	Solid	03/19/2007 10:55	03/20/2007 08:50

8260B, Volatiles

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/27/2007 00:03	DLB	345646

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	.07	.081	mg/kg	116	84 - 118
1868-53-7	Dibromofluoromethane	.07	.085	mg/kg	121	65 - 135
2037-26-5	Toluene d8	.07	.085	mg/kg	**122***	84 - 116
17060-07-0	1,2-Dichloroethane-d4	.07	.081	mg/kg	116	52 - 149

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20703200706	**B-17 (8-10)**	Solid	03/19/2007 10:55	03/20/2007 08:50

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	03/20/2007 11:45	RLY	345206

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	**Total Moisture**	**21.9**	**0.010**	**0.010**	**%**

RESULTS REPORTED ON A DRY WEIGHT BASIS

GC/MS Volatiles Quality Control Summary

Analytical Batch 345646	**Client ID**	MB345646	LCS345646	LCSD345646
Prep Batch N/A	**GCAL ID**	468684	468685	468686
	Sample Type	Method Blank	LCS	LCSD
	Analytical Date	03/26/2007 19:17	03/26/2007 18:06	03/26/2007 18:29
	Matrix	Solid	Solid	Solid

8260B, Volatiles		**Units**	mg/kg	**Spike**			**Control**				**RPD**
		Result	**RDL**	**Added**	**Result**	**% R**	**Limits % R**	**Result**	**% R**	**RPD**	**Limit**
67-64-1	Acetone	0.000374U	0.000374	0.025	0.025	101	40 - 141	0.028	114	11	30
75-27-4	Bromodichloromethane	0.000135U	0.000135	0.025	0.025	102	72 - 128	0.026	106	4	30
75-25-2	Bromoform	0.000169U	0.000169	0.025	0.025	100	66 - 137	0.027	106	8	30
74-83-9	Bromomethane	0.00151U	0.00151	0.025	0.026	102	45 - 141	0.025	99	4	30
75-15-0	Carbon disulfide	0.000109U	0.000109	0.025	0.020	80	69 - 135	0.020	80	0	30
56-23-5	Carbon tetrachloride	0.000120U	0.000120	0.025	0.017	68	67 - 133	0.020	81	16	30
75-00-3	Chloroethane	0.000606U	0.000606	0.025	0.021	84	41 - 141	0.019	74	10	30
67-66-3	Chloroform	0.000141U	0.000141	0.025	0.023	92	72 - 124	0.023	93	0	30
74-87-3	Chloromethane	0.000464U	0.000464	0.025	0.024	95	51 - 129	0.025	100	4	30
124-48-1	Dibromochloromethane	0.0000900U	0.0000900	0.025	0.025	99	66 - 130	0.026	106	4	30
75-71-8	Dichlorodifluoromethane	0.000364U	0.000364	0.025	0.017	66	34 - 136	0.020	81	16	30
75-34-3	1,1-Dichloroethane	0.000159U	0.000159	0.025	0.022	88	73 - 125	0.024	94	9	30
107-06-2	1,2-Dichloroethane	0.000114U	0.000114	0.025	0.028	112	72 - 137	0.027	108	4	30
156-59-2	cis-1,2-Dichloroethene	0.000126U	0.000126	0.025	0.023	94	67 - 125	0.025	100	8	30
156-60-5	trans-1,2-Dichloroethene	0.000164U	0.000164	0.025	0.020	81	66 - 134	0.022	89	10	30
75-09-2	Methylene chloride	0.000479U	0.000479	0.025	0.019	76	63 - 137	0.020	82	5	30
78-87-5	1,2-Dichloropropane	0.000112U	0.000112	0.025	0.023	90	71 - 120	0.024	95	4	30
10061-01-5	cis-1,3-Dichloropropene	0.000115U	0.000115	0.025	0.024	95	72 - 126	0.025	99	4	30
10061-02-6	trans-1,3-Dichloropropene	0.000141U	0.000141	0.025	0.024	95	65 - 127	0.026	102	8	30
100-41-4	Ethylbenzene	0.000207U	0.000207	0.025	0.022	86	74 - 127	0.022	88	0	30
591-78-6	2-Hexanone	0.000826U	0.000826	0.025	0.024	98	56 - 153	0.024	97	0	30
98-82-8	Isopropylbenzene (Cumene)	0.000153U	0.000153	0.025	0.021	84	77 - 129	0.022	90	5	30
78-93-3	2-Butanone	0.000312U	0.000312	0.025	0.025	101	40 - 135	0.023	92	8	30
108-10-1	4-Methyl-2-pentanone	0.000173U	0.000173	0.025	0.024	94	47 - 147	0.024	94	0	30
100-42-5	Styrene	0.000152U	0.000152	0.025	0.024	98	74 - 128	0.027	110	12	30
127-18-4	Tetrachloroethene	0.000192U	0.000192	0.025	0.020	81	67 - 139	0.021	84	5	30
79-34-5	1,1,2,2-Tetrachloroethane	0.000180U	0.000180	0.025	0.026	104	59 - 140	0.027	108	4	30
120-82-1	1,2,4-Trichlorobenzene	0.000327U	0.000327	0.025	0.026	105	65 - 131	0.025	101	4	30
71-55-6	1,1,1-Trichloroethane	0.000123U	0.000123	0.025	0.019	74	68 - 130	0.019	78	0	30
79-00-5	1,1,2-Trichloroethane	0.000114U	0.000114	0.025	0.024	97	62 - 127	0.026	104	8	30
75-69-4	Trichlorofluoromethane	0.000252U	0.000252	0.025	0.019	77	49 - 139	0.019	78	0	30
75-01-4	Vinyl chloride	0.000351U	0.000351	0.025	0.020	78	58 - 126	0.020	80	0	30
96-12-8	1,2-Dibromo-3-chloropropane	0.000866U	0.000866	0.025	0.025	98	49 - 135	0.026	104	4	30

GC/MS Volatiles Quality Control Summary

Analytical Batch	345646	**Client ID**	MB345646			LCS345646				LCSD345646		
Prep Batch	N/A	**GCAL ID**	468684			468685				468686		
		Sample Type	Method Blank			LCS				LCSD		
		Analytical Date	03/26/2007 19:17			03/26/2007 18:06				03/26/2007 18:29		
		Matrix	Solid			Solid				Solid		
8260B, Volatiles		**Units**	mg/kg									
		Result	**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	0.026	102	70 - 124		0.028	112	7	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.0000740U	0.0000740	0.025	0.026	104	50 - 135		0.025	102	4	30
1330-20-7	Xylene (total)	0.000572U	0.000572	0.075	0.066	87	80 - 120		0.070	94	6	30
108-87-2	Methylcyclohexane	0.000370U	0.000370	0.025	0.018	**73***	79 - 122		0.020	81	11	30
110-82-7	Cyclohexane	0.00111U	0.00111	0.025	0.017	67	61 - 143		0.019	78	11	30
79-20-9	Methyl Acetate	0.00153U	0.00153	0.025	0.00	**0***	41 - 164		0.00	**0***	0	30
76-13-1	Trichlorotrifluoroethane	0.000188U	0.000188	0.025	0.019	74	71 - 137		0.017	**69***	11	30
541-73-1	1,3-Dichlorobenzene	0.000236U	0.000236	0.025	0.026	105	72 - 124		0.026	103	0	30
106-46-7	1,4-Dichlorobenzene	0.000421U	0.000421	0.025	0.026	102	72 - 125		0.026	102	0	30
95-50-1	1,2-Dichlorobenzene	0.000114U	0.000114	0.025	0.025	99	74 - 120		0.026	104	4	30
75-35-4	1,1-Dichloroethene	0.000359U	0.000359	0.025	0.020	78	65 - 136		0.021	83	5	30
71-43-2	Benzene	0.000104U	0.000104	0.025	0.021	84	73 - 126		0.022	89	5	30
79-01-6	Trichloroethene	0.000177U	0.000177	0.025	0.024	96	77 - 124		0.022	87	9	30
108-88-3	Toluene	0.000550U	0.000550	0.025	0.022	86	71 - 127		0.024	96	9	30
108-90-7	Chlorobenzene	0.000165U	0.000165	0.025	0.023	92	75 - 123		0.024	98	4	30
Surrogate												
460-00-4	4-Bromofluorobenzene	59.4	**119***	50	57.6	115	84 - 118		59.7	**119***		
1868-53-7	Dibromofluoromethane	56.7	113	50	54.3	109	65 - 135		51.2	102		
2037-26-5	Toluene d8	62.4	**125***	50	57.2	114	84 - 116		59.2	**118***		
17060-07-0	1,2-Dichloroethane-d4	55.8	112	50	50.7	101	52 - 149		51.7	103		

Analytical Batch	345746	**Client ID**	MB345746		LCS345746			
Prep Batch	N/A	**GCAL ID**	469149		469150			
		Sample Type	Method Blank		LCS			
		Analytical Date	03/27/2007 10:40		03/27/2007 09:55			
		Matrix	Solid		Solid			
8260B, Volatiles		**Units**	mg/kg					
		Result	**RDL**	**Spike Added**	**Result**	**% R**	**Control Limits % R**	
67-64-1	Acetone	0.019U	0.019	1.25	1.07	86	40 - 141	
75-27-4	Bromodichloromethane	0.00675U	0.00675	1.25	1.16	93	72 - 128	
75-25-2	Bromoform	0.00845U	0.00845	1.25	1.31	105	66 - 137	
74-83-9	Bromomethane	0.075U	0.075	1.25	1.03	82	45 - 141	

GC/MS Volatiles Quality Control Summary

Analytical Batch 345746	**Client ID**	MB345746	LCS345746
Prep Batch N/A	**GCAL ID**	469149	469150
	Sample Type	Method Blank	LCS
	Analytical Date	03/27/2007 10:40	03/27/2007 09:55
	Matrix	Solid	Solid

8260B, Volatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
75-15-0	Carbon disulfide	0.00545U	0.00545	1.25	1.25	100	69 - 135
56-23-5	Carbon tetrachloride	0.00600U	0.00600	1.25	1.14	91	67 - 133
75-00-3	Chloroethane	0.030U	0.030	1.25	1.18	94	41 - 141
67-66-3	Chloroform	0.00705U	0.00705	1.25	1.10	88	72 - 124
74-87-3	Chloromethane	0.023U	0.023	1.25	1.05	84	51 - 129
124-48-1	Dibromochloromethane	0.00450U	0.00450	1.25	1.27	102	66 - 130
75-71-8	Dichlorodifluoromethane	0.018U	0.018	1.25	1.05	84	34 - 136
75-34-3	1,1-Dichloroethane	0.00795U	0.00795	1.25	1.13	90	73 - 125
107-06-2	1,2-Dichloroethane	0.00570U	0.00570	1.25	1.10	88	72 - 137
156-59-2	cis-1,2-Dichloroethene	0.00630U	0.00630	1.25	1.11	89	67 - 125
156-60-5	trans-1,2-Dichloroethene	0.00820U	0.00820	1.25	1.21	97	66 - 134
75-09-2	Methylene chloride	0.024U	0.024	1.25	1.18	94	63 - 137
78-87-5	1,2-Dichloropropane	0.00560U	0.00560	1.25	1.15	92	71 - 120
10061-01-5	cis-1,3-Dichloropropene	0.00575U	0.00575	1.25	1.16	93	72 - 126
10061-02-6	trans-1,3-Dichloropropene	0.00705U	0.00705	1.25	1.16	93	65 - 127
100-41-4	Ethylbenzene	0.010U	0.010	1.25	1.34	107	74 - 127
591-78-6	2-Hexanone	0.041U	0.041	1.25	1.10	88	56 - 153
98-82-8	Isopropylbenzene (Cumene)	0.00765U	0.00765	1.25	1.31	105	77 - 129
78-93-3	2-Butanone	0.016U	0.016	1.25	0.997	80	40 - 135
108-10-1	4-Methyl-2-pentanone	0.00865U	0.00865	1.25	1.11	89	47 - 147
100-42-5	Styrene	0.00760U	0.00760	1.25	1.32	106	74 - 128
127-18-4	Tetrachloroethene	0.00960U	0.00960	1.25	1.21	97	67 - 139
79-34-5	1,1,2,2-Tetrachloroethane	0.00900U	0.00900	1.25	1.45	116	59 - 140
120-82-1	1,2,4-Trichlorobenzene	0.069J	0.016	1.25	1.43	114	65 - 131
71-55-6	1,1,1-Trichloroethane	0.00615U	0.00615	1.25	1.09	87	68 - 130
79-00-5	1,1,2-Trichloroethane	0.00570U	0.00570	1.25	1.31	105	62 - 127
75-69-4	Trichlorofluoromethane	0.013U	0.013	1.25	1.24	99	49 - 139
75-01-4	Vinyl chloride	0.018U	0.018	1.25	1.20	96	58 - 126
96-12-8	1,2-Dibromo-3-chloropropane	0.043U	0.043	1.25	1.44	115	49 - 135
106-93-4	1,2-Dibromoethane	0.00750U	0.00750	1.25	1.34	107	70 - 124
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00370U	0.00370	1.25	1.12	90	50 - 135
1330-20-7	Xylene (total)	0.029U	0.029	3.75	3.82	102	80 - 120
108-87-2	Methylcyclohexane	0.019U	0.019	1.25	1.18	94	79 - 122

GC/MS Volatiles Quality Control Summary

Analytical Batch 345746	**Client ID**	MB345746		LCS345746
Prep Batch N/A	**GCAL ID**	469149		469150
	Sample Type	Method Blank		LCS
	Analytical Date	03/27/2007 10:40		03/27/2007 09:55
	Matrix	Solid		Solid

8260B, Volatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
110-82-7	Cyclohexane	0.055U	0.055	1.25	1.17	94	61 - 143
79-20-9	Methyl Acetate	0.076U	0.076	1.25	0.990	79	41 - 164
76-13-1	Trichlorotrifluoroethane	0.00940U	0.00940	1.25	1.21	97	71 - 137
541-73-1	1,3-Dichlorobenzene	0.012U	0.012	1.25	1.43	114	72 - 124
106-46-7	1,4-Dichlorobenzene	0.021U	0.021	1.25	1.43	114	72 - 125
95-50-1	1,2-Dichlorobenzene	0.00570U	0.00570	1.25	1.45	116	74 - 120
75-35-4	1,1-Dichloroethene	0.018U	0.018	1.25	1.26	101	65 - 136
71-43-2	Benzene	0.00520U	0.00520	1.25	1.15	92	73 - 126
79-01-6	Trichloroethene	0.00885U	0.00885	1.25	1.15	92	77 - 124
108-88-3	Toluene	0.028U	0.028	1.25	1.26	101	71 - 127
108-90-7	Chlorobenzene	0.00825U	0.00825	1.25	1.32	106	75 - 123
Surrogate							
460-00-4	4-Bromofluorobenzene	2840	114	2500	2840	114	84 - 118
1868-53-7	Dibromofluoromethane	2340	94	2500	2390	96	65 - 135
2037-26-5	Toluene d8	2770	111	2500	2750	110	84 - 116
17060-07-0	1,2-Dichloroethane-d4	2240	90	2500	2270	91	52 - 149

Analytical Batch 345746	**Client ID**	HA-15 (0-12)	466526MS	466526MSD
Prep Batch N/A	**GCAL ID**	20703200703	469151	469152
	Sample Type	SAMPLE	MS	MSD
	Analytical Date	03/27/2007 14:54	03/27/2007 16:01	03/27/2007 16:23
	Matrix	Solid	Solid	Solid

8260B, Volatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
67-64-1	Acetone	0.00	0.024	1.64	1.63	100	40 - 141	1.67	102	2	30
75-27-4	Bromodichloromethane	0.00	0.00884	1.64	1.49	91	72 - 128	1.44	88	3	30
75-25-2	Bromoform	0.00	0.011	1.64	1.68	103	66 - 137	1.69	103	0.6	30
74-83-9	Bromomethane	0.00	0.098	1.64	0.791	48	45 - 141	0.849	52	7	30
75-15-0	Carbon disulfide	0.00	0.00713	1.64	0.911	**56***	69 - 135	0.843	**52***	8	30
56-23-5	Carbon tetrachloride	0.00	0.00785	1.64	1.39	85	67 - 133	1.29	79	7	30
75-00-3	Chloroethane	0.00	0.040	1.64	0.00	**0***	41 - 141	0.00	**0***	0	30
67-66-3	Chloroform	0.00	0.00923	1.64	1.41	86	72 - 124	1.32	81	7	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 345746	**Client ID**	HA-15 (0-12)	466526MS	466526MSD
Prep Batch N/A	**GCAL ID**	20703200703	469151	469152
	Sample Type	SAMPLE	MS	MSD
	Analytical Date	03/27/2007 14:54	03/27/2007 16:01	03/27/2007 16:23
	Matrix	Solid	Solid	Solid

8260B, Volatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
74-87-3	Chloromethane	0.00	0.030	1.64	1.30	79	51 - 129	1.26	77	3	30
124-48-1	Dibromochloromethane	0.00	0.00589	1.64	1.58	97	66 - 130	1.59	97	0.6	30
75-71-8	Dichlorodifluoromethane	0.00	0.024	1.64	1.24	76	34 - 136	1.14	70	8	30
75-34-3	1,1-Dichloroethane	0.00	0.010	1.64	1.36	83	73 - 125	1.28	78	6	30
107-06-2	1,2-Dichloroethane	0.00	0.00746	1.64	1.46	89	72 - 137	1.39	85	5	30
156-59-2	cis-1,2-Dichloroethene	0.00	0.00825	1.64	1.40	86	67 - 125	1.32	81	6	30
156-60-5	trans-1,2-Dichloroethene	0.00	0.011	1.64	1.40	86	66 - 134	1.32	81	6	30
75-09-2	Methylene chloride	0.00	0.031	1.64	1.36	83	63 - 137	1.34	82	1	30
78-87-5	1,2-Dichloropropane	0.00	0.00733	1.64	1.48	90	71 - 120	1.43	87	3	30
10061-01-5	cis-1,3-Dichloropropene	0.00	0.00753	1.64	1.54	94	72 - 126	1.43	87	7	30
10061-02-6	trans-1,3-Dichloropropene	0.00	0.00923	1.64	1.51	92	65 - 127	1.45	89	4	30
100-41-4	Ethylbenzene	0.00	0.014	1.64	1.71	105	74 - 127	1.63	100	5	30
591-78-6	2-Hexanone	0.00	0.054	1.64	1.48	90	56 - 153	1.53	94	3	30
98-82-8	Isopropylbenzene (Cumene)	0.00	0.010	1.64	1.71	105	77 - 129	1.63	100	5	30
78-93-3	2-Butanone	0.00	0.020	1.64	1.45	89	40 - 135	1.42	87	2	30
108-10-1	4-Methyl-2-pentanone	0.00	0.011	1.64	1.45	89	47 - 147	1.43	87	1	30
100-42-5	Styrene	0.00	0.00995	1.64	1.71	105	74 - 128	1.68	103	2	30
127-18-4	Tetrachloroethene	0.00	0.013	1.64	1.54	94	67 - 139	1.47	90	5	30
79-34-5	1,1,2,2-Tetrachloroethane	0.00	0.012	1.64	1.69	103	59 - 140	1.70	104	0.6	30
120-82-1	1,2,4-Trichlorobenzene	0.00	0.021	1.64	1.66	101	65 - 131	1.68	103	1	30
71-55-6	1,1,1-Trichloroethane	0.00	0.00805	1.64	1.38	84	68 - 130	1.29	79	7	30
79-00-5	1,1,2-Trichloroethane	0.00	0.00746	1.64	1.65	101	62 - 127	1.68	103	2	30
75-69-4	Trichlorofluoromethane	0.00	0.016	1.64	0.328	**20***	49 - 139	0.294	**18***	11	30
75-01-4	Vinyl chloride	0.00	0.023	1.64	1.36	83	58 - 126	1.30	79	5	30
96-12-8	1,2-Dibromo-3-chloropropane	0.00	0.057	1.64	1.81	111	49 - 135	1.84	112	2	30
106-93-4	1,2-Dibromoethane	0.00	0.00982	1.64	1.64	100	70 - 124	1.71	105	4	30
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00	0.00484	1.64	1.40	86	50 - 135	1.34	82	4	30
1330-20-7	Xylene (total)	0.00	0.037	4.91	4.82	98	80 - 120	4.69	96	3	30
108-87-2	Methylcyclohexane	0.00	0.024	1.64	1.53	94	79 - 122	1.38	84	10	30
110-82-7	Cyclohexane	0.00	0.072	1.64	1.47	90	61 - 143	1.34	82	9	30
79-20-9	Methyl Acetate	0.00	0.100	1.64	2.54	155	41 - 164	2.42	148	5	30
76-13-1	Trichlorotrifluoroethane	0.00	0.012	1.64	0.977	**60***	71 - 137	0.926	**57***	5	30
541-73-1	1,3-Dichlorobenzene	0.00	0.015	1.64	1.68	103	72 - 124	1.67	102	0.6	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 345746	**Client ID**	HA-15 (0-12)	466526MS	466526MSD	
Prep Batch N/A	**GCAL ID**	20703200703	469151	469152	
	Sample Type	SAMPLE	MS	MSD	
	Analytical Date	03/27/2007 14:54	03/27/2007 16:01	03/27/2007 16:23	
	Matrix	Solid	Solid	Solid	

8260B, Volatiles		**Units**	mg/kg	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
106-46-7	1,4-Dichlorobenzene	0.00	0.028	1.64	1.67	102	72 - 125	1.64	100	2	30
95-50-1	1,2-Dichlorobenzene	0.00	0.00746	1.64	1.73	106	74 - 120	1.72	105	0.6	30
75-35-4	1,1-Dichloroethene	0.00	0.023	1.64	0.918	**56***	65 - 136	0.800	**49***	14	30
71-43-2	Benzene	0.00	0.00681	1.64	1.44	88	73 - 126	1.34	82	7	30
79-01-6	Trichloroethene	0.504	0.012	1.64	1.87	83	77 - 124	1.77	77	5	30
108-88-3	Toluene	0.00	0.036	1.64	1.62	99	71 - 127	1.53	94	6	30
108-90-7	Chlorobenzene	0.00	0.011	1.64	1.67	102	75 - 123	1.62	99	3	30
Surrogate											
460-00-4	4-Bromofluorobenzene	3.83	117	3270	3900	**119***	84 - 118	3970	**121***		
1868-53-7	Dibromofluoromethane	3.05	93	3270	3160	97	65 - 135	3040	93		
2037-26-5	Toluene d8	3.61	110	3270	3530	108	84 - 116	3610	110		
17060-07-0	1,2-Dichloroethane-d4	2.94	90	3270	3130	96	52 - 149	2980	91		

Labnet/4569/207032007/3-22-07

Chain of Custody Record

Lab Report No.:

Company: AEROSTAR

Address: 4640 S. CARROLLTAN AVE. NEW ORLEANS, LA 70119

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 of 1

FDEP Facility No.:

Project Name: BROOKLEY FIELD OMS28

Location: MOBILE, AL

Project No.: 0405-517-07

Attn: EMILIE WIEN

Phone:

Fax:

Sampled by [Print Name]/Affiliation: Emilie Wien

Sampler Signature:

Item No.	Field ID No.	Sampled Date	Sampled Time	Grab or Comp.	Matrix Codes	No. Cont.	O/H Full 8260	←Preservative	←Analysis	REQUESTED DUE DATE	Remarks	Lab. No.
	HA-14 (0-12")	3/19/07	845	G	SO	4	X				REPORT IN ppm	1
	HA14 (8-10')		855			4	X				*~~REPORT ON WET WEIGHT BASIS.~~	2
	HA-15 (0-12")		930			4	X					3
	HA-15 (8-10')		945			4	X				Report on Dry Wt. Basis EPM 03121107	4
	B-17 (0-12")		1045			4	X					5
	B-17 (8-10')		1055			4	X					6

24 ←Total Number of Containers

Shipment Method

Out: / / Via:

Returned: / / Via:

Additional Comments

Item #	Relinquished by / Affiliation	Date	Time	Accepted by / Affiliation	Date	Time
	GCL	3/19/07	1720	GCL	3-19-07	1720
	FedEx	3-19-07	1800	FedEx	3-19-07	1800
	FedEx	3-20-07	850		3-20-07	850

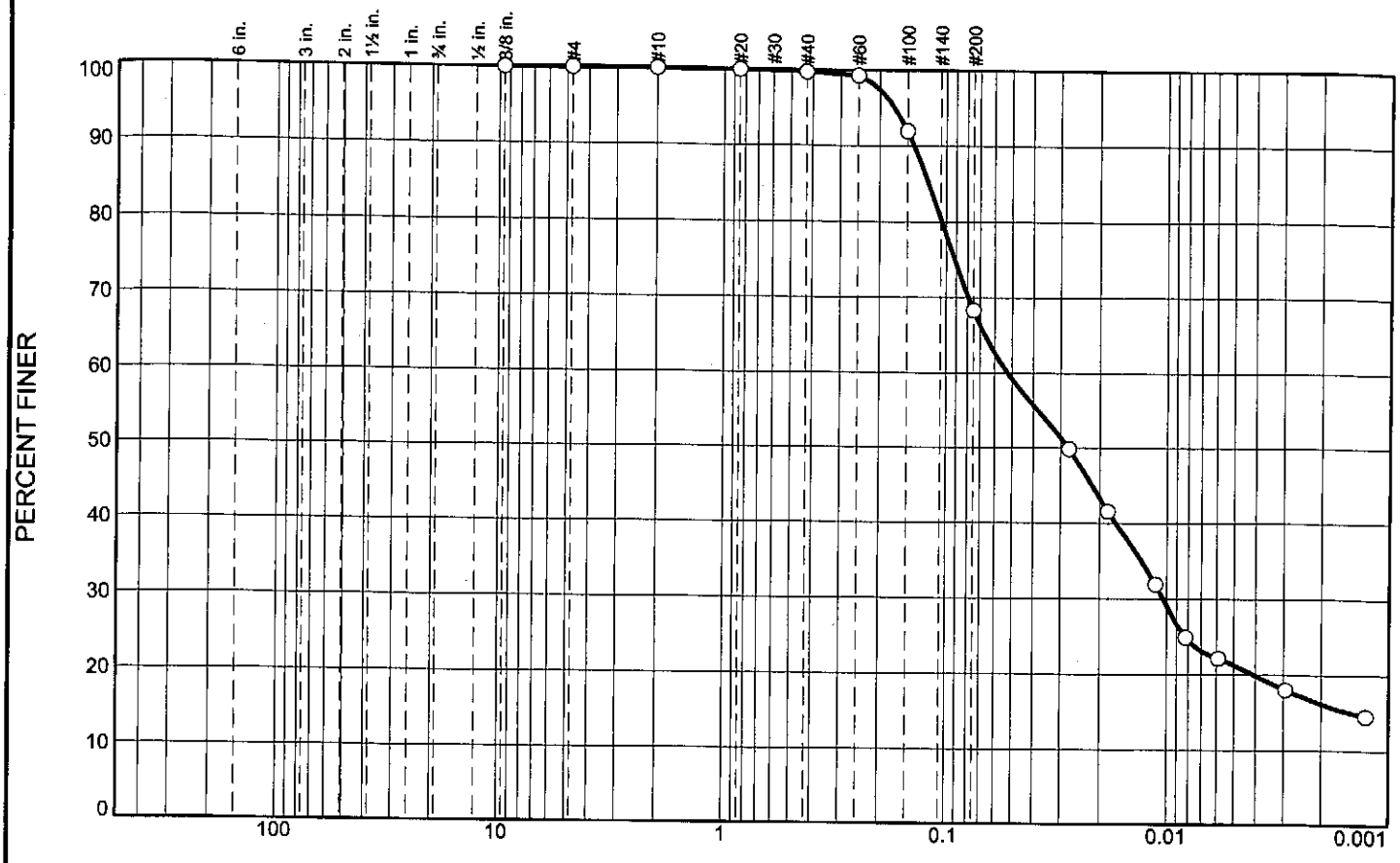
Cooler No.(s) / Temperature(s) (°C)	Sampling Kit No.	Equipment ID No.
3	6283	

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) $CH_3OH + NaHSO_4$

APPENDIX B
Laboratory Data for Soil Geotechnical Analysis

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		

* (no specification provided)

Material Description

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

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.1202 D_{60}= 0.0523 D_{50}= 0.0277
D_{30}= 0.0104 D_{15}= 0.0014 D_{10}=
C_u= C_c=

Classification

USCS= SC AASHTO=

Remarks

Location: Surface
Sample Number: Lab #

Date: 4/5/08

Thompson Engineering

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: SURFACE

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

DATES		TECHNICIAN	
SAMPLED:	3/28/08	SAMPLED:	Client
TESTED:	3/31/08	TESTED:	R.B.

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	13.970
(b): SAMPLE DIAMETER (cm):	7.036
(c): SAMPLE AREA (cm^2):	38.881
(d): SAMPLE VOLUME (cm^3):	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 (%):	**18.46**
(m): WET BULK DENSITY (PCF):	**139.66**
(n): DRY BULK DENSITY (PCF):	**117.89**
(o): SPECIFITY GRAVITY OF SOIL	2.647
(p): VOLUME OF SOIL:	387.70
(q): VOLUME OF VOIDS:	155.48
(r): VOID RATIO:	0.40
(s): POROSITY:	**0.29**

3707 Cottage Hill Road
Mobile, AL 36609
251.666.2443 ph. / 251.665.5491 fax
www.thompsonengineering.com

MATERIALS ENGINEERING LABORATORY

MEASUREMENT OF HYDRAULIC CONDUCTIVITY 0F 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		

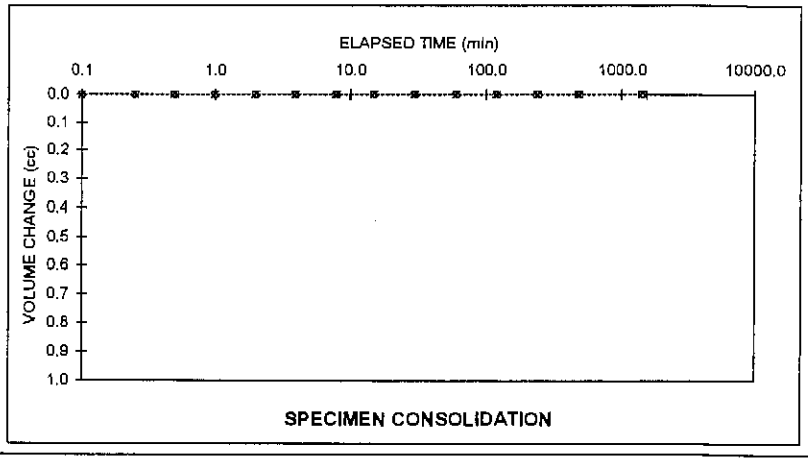
SPECIMEN SATURATION

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

		Final Chamber Pressure (psi):	52.0
Date / Time Initiated:		Final Back-Pressure (psi):	50.0
Date / Time Completed:		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 (ml)	ELAPSED TIME (min)	VOLUME CHANGE (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 CONSOLIDATION

SPECIMEN PERMEATION

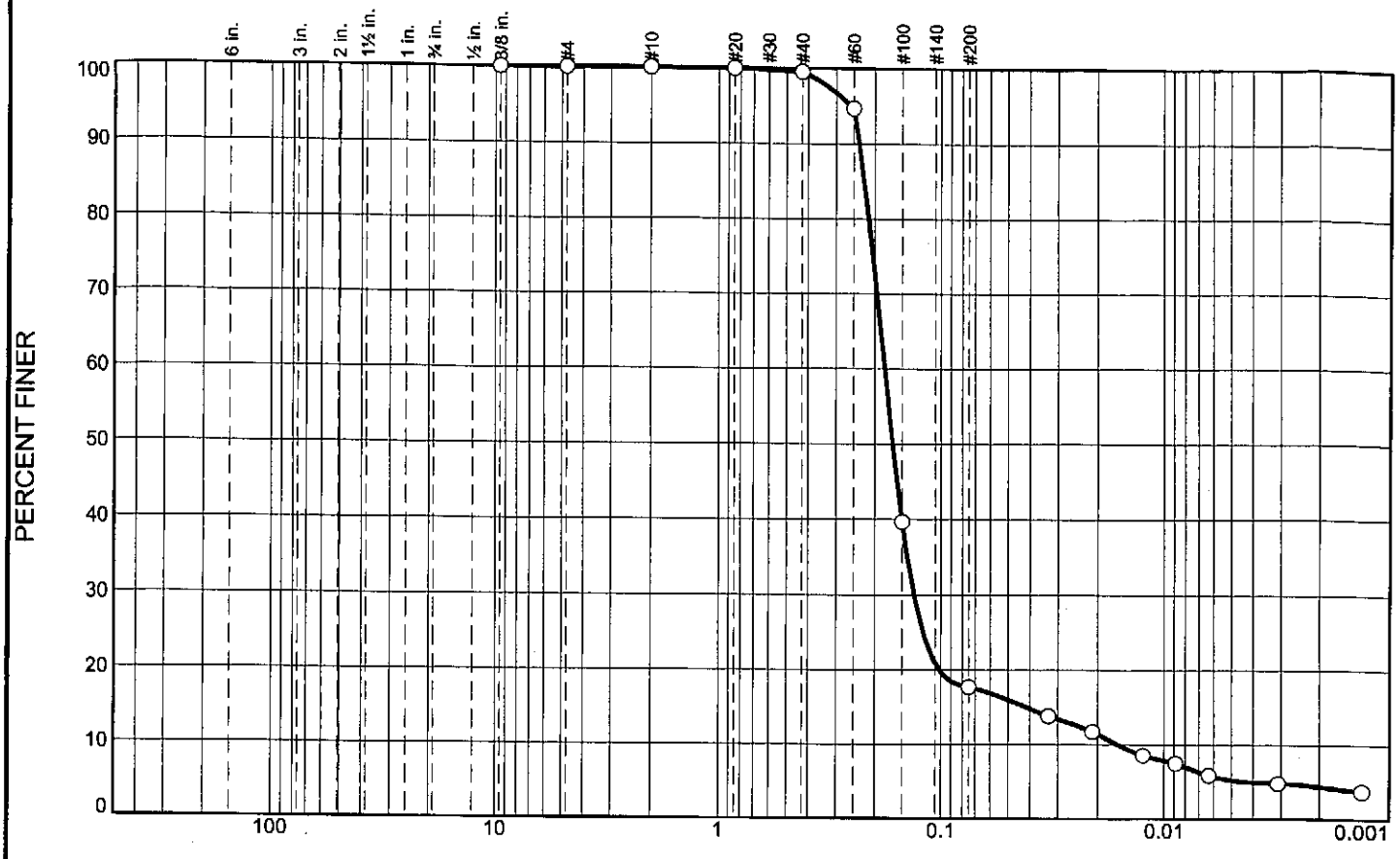
Date / Time Initiated: 4/16/2008 8:34

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	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 (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	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		

* (no specification provided)

Material Description

Yellowish brown SILTY fine SAND

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.2234 D_{60}= 0.1802 D_{50}= 0.1656
D_{30}= 0.1323 D_{15}= 0.0412 D_{10}= 0.0162
C_u= 11.13 C_c= 6.00

Classification

USCS= SM AASHTO=

Remarks

Location: 10 Foot
Sample Number: Lab #

Date: 4/5/08

Thompson Engineering

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		TECHNICIAN	
SAMPLED:	3/28/08	SAMPLED:	Client
TESTED:	3/31/08	TESTED:	R.B.

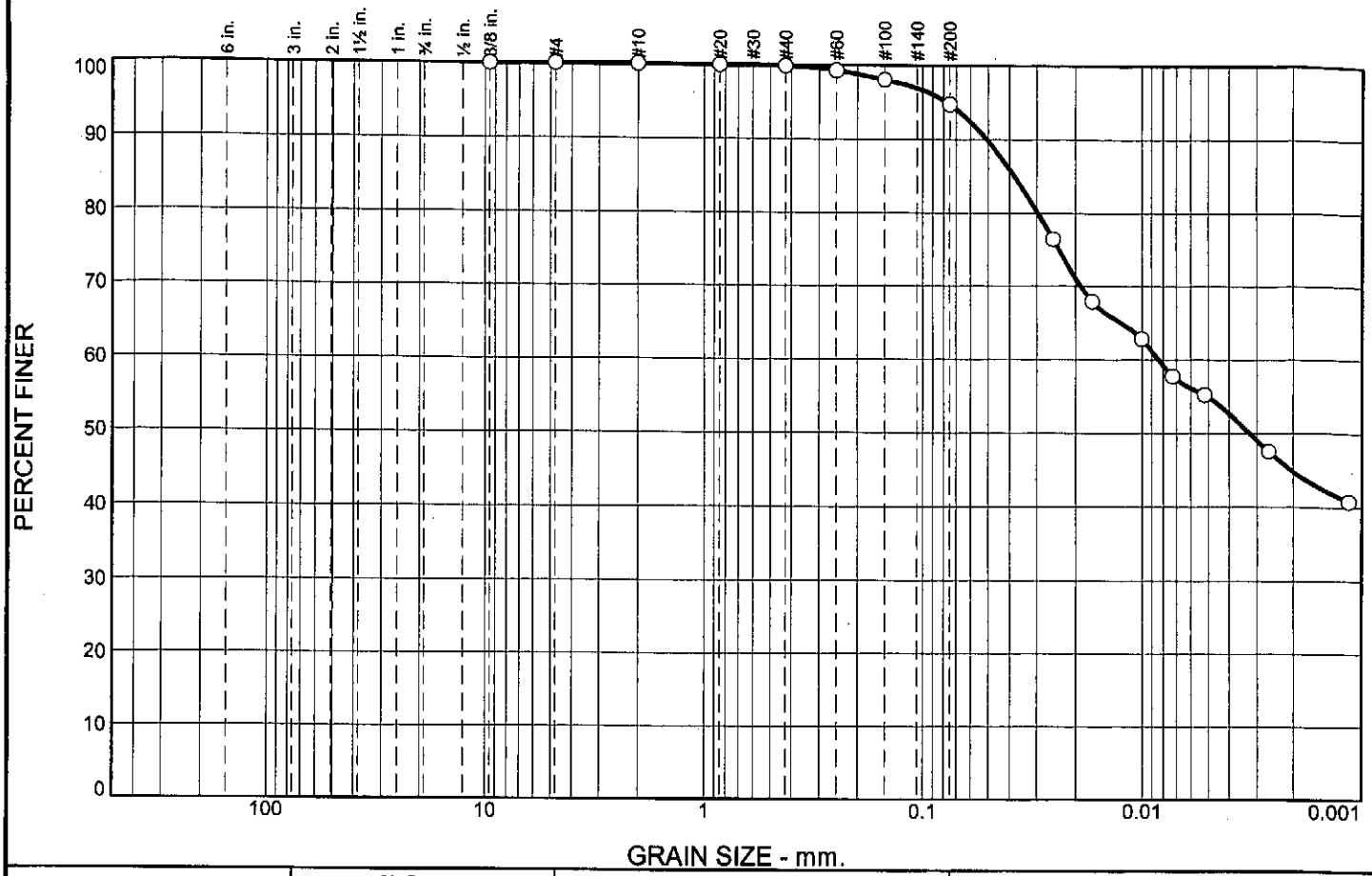
.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	13.440
(b): SAMPLE DIAMETER (cm):	6.970
(c): SAMPLE AREA (cm^2):	38.155
(d): SAMPLE VOLUME (cm^3):	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 (%):	**23.04**
(m): WET BULK DENSITY (PCF):	**129.21**
(n): DRY BULK DENSITY (PCF):	**105.02**
(o): SPECIFITY GRAVITY OF SOIL	2.623
(p): VOLUME OF SOIL:	329.03
(q): VOLUME OF VOIDS:	183.78
(r): VOID RATIO:	0.56
(s): POROSITY:	**0.36**

3707 Cottage Hill Road
Mobile, AL 36609
251.666.2443 ph. / 251.665.5491 fx
www.thompsonengineering.com

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		

* (no specification provided)

Material Description

Gray CLAY

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.0378 D_{60}= 0.0084 D_{50}= 0.0032
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= CL AASHTO=

Remarks

Location: 35 Foot
Sample Number: Lab #

Date: 4/5/08

Thompson Engineering

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: 35 - FOOT
SAMPLE DESCRIPTION: Gray CLAY

DATES		TECHNICIAN	
SAMPLED:	3/28/08	SAMPLED:	Client
TESTED:	3/31/08	TESTED:	R.B.

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	13.840
(b): SAMPLE DIAMETER (cm):	6.990
(c): SAMPLE AREA (cm^2):	38.375
(d): SAMPLE VOLUME (cm^3):	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 (%):	**35.29**
(m): WET BULK DENSITY (PCF):	**127.30**
(n): DRY BULK DENSITY (PCF):	**94.10**
(o): SPECIFITY GRAVITY OF SOIL	2.662
(p): VOLUME OF SOIL:	300.85
(q): VOLUME OF VOIDS:	230.25
(r): VOID RATIO:	0.77
(s): POROSITY:	**0.43**

3707 Cottage Hill Road
Mobile, AL 36609
251.666.2443 ph. / 251.665.5491 fx
www.thompsonengineering.com

MATERIALS ENGINEERING LABORATORY

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

Project No. : 08-2123-0019 | Sample No.: 35 ft

Completion Date: 4/15/2008 | Technician: J. Maddox

Specimen Visual Description: Gray CLAY with SAND lenses and trace ORGANICS

Penetrometer Unconfined Compressive Strength (psf):	N/A	Est. Vertical Effective Stress (psf):	
		Sample Depth (Ft.):	0.0
Initial Moist Wt. (gms):	357.20	Final Moist Wt. (gms):	355.76
Initial Moisture Content (%):	35.23	Final Moisture Content (%):	39.96
Initial Moist Unit Weight (pcf):	117.1	Final Moist Unit Weight (pcf):	116.60
Initial Dry Unit Weight (pcf):	86.6	Final Dry Unit Weight (pcf):	83.3
Initial Void Ratio (e):	0.917	Final Void Ratio (e):	0.992
Initial Deg of Saturation (%):	102.2	Final Deg of Saturation (%):	107.1
Specific Gravity of Solids:	2.66		

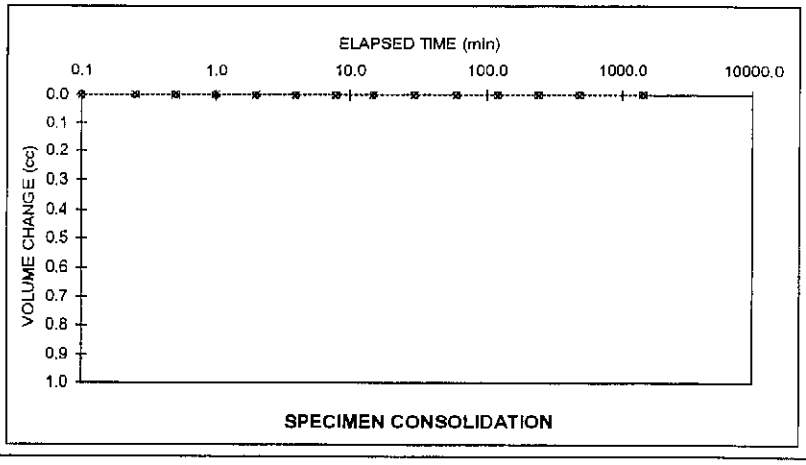
SPECIMEN SATURATION

Date / Time Initiated:	4/9/2008	15:00	Final Chamber Pressure (psi):	52.0
Date / Time Completed:	4/10/2008	15:08	Final Back-Pressure (psi):	50.0
Back-Pressure Duration(min):	1448		Resulting B Value:	0.99

SPECIMEN CONSOLIDATION

		Final Chamber Pressure (psi):	52.0
Date / Time Initiated:		Final Back-Pressure (psi):	50.0
Date / Time Completed:		Actual Vertical Effective Stress (psf):	288.0
Initial Specimen Volume (cc):	190.30	Final Specimen Volume (cc):	190.30
Initial Specimen Height (cm):	5.242	Final Specimen Height (cm):	5.242
Initial Specimen Diam (cm):	6.799	Final Specimen Diam (cm):	6.799

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



SPECIMEN CONSOLIDATION

SPECIMEN PERMEATION

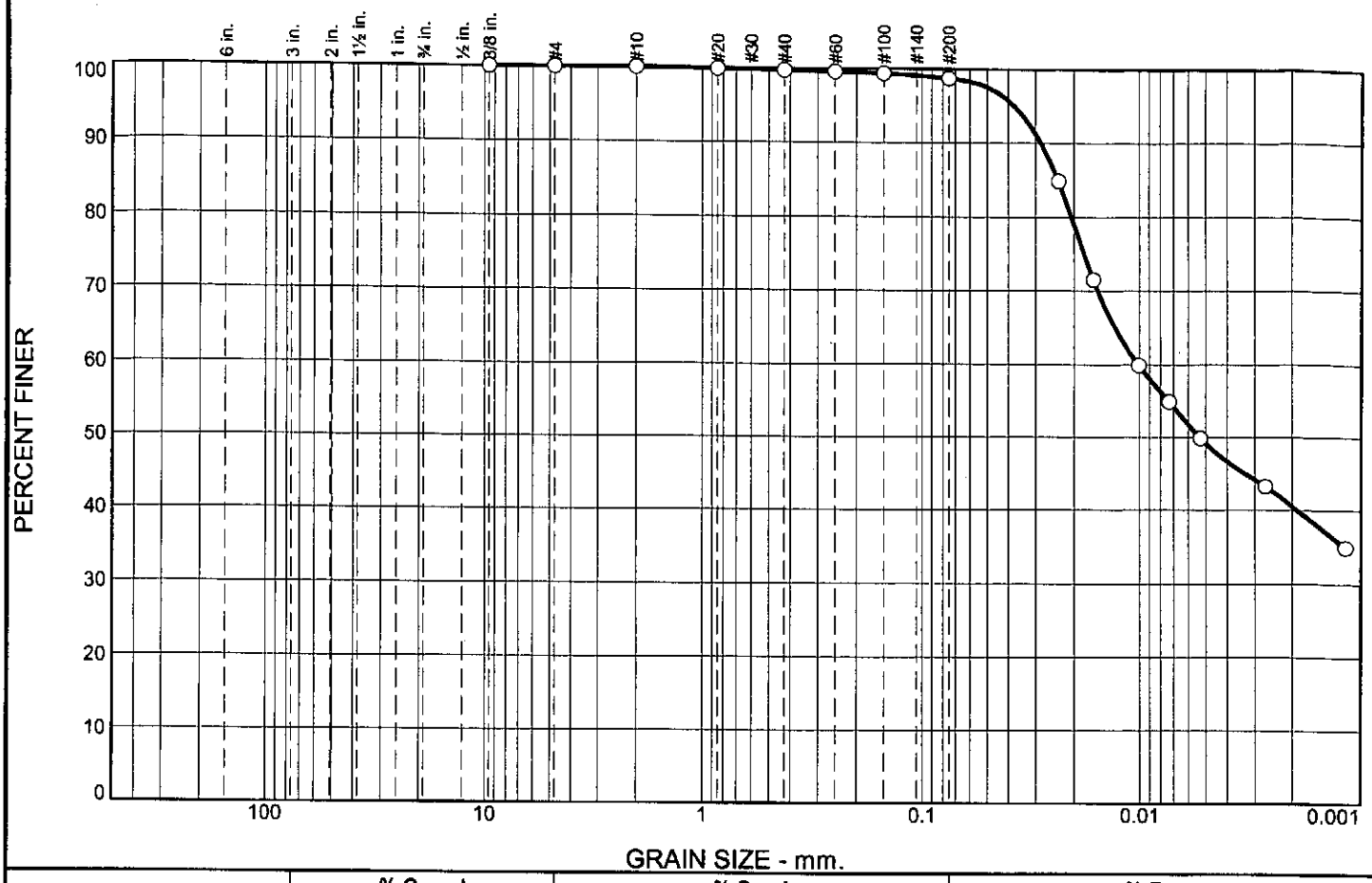
Date / Time Initiated: 4/11/2008 7:48

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

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

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

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	1.0	49.5	49.2

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	99.5		
#100	99.3		
#200	98.7		

* (no specification provided)

Material Description

Gray CLAY

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.0237 D_{60}= 0.0101 D_{50}= 0.0053
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= CL AASHTO=

Remarks

Location: 105 Foot
Sample Number: Lab #

Date: 4/5/08

Thompson Engineering

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: 105 - FOOT
SAMPLE DESCRIPTION: Gray CLAY

DATES		TECHNICIAN	
SAMPLED:	3/28/08	SAMPLED:	Client
TESTED:	3/31/08	TESTED:	R.B.

.... LABORATORY RESULTS ....

(a): SAMPLE HEIGHT (cm):	13.970
(b): SAMPLE DIAMETER (cm):	7.040
(c): SAMPLE AREA (cm^2):	38.926
(d): SAMPLE VOLUME (cm^3):	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 (%):	**34.74**
(m): WET BULK DENSITY (PCF):	**127.11**
(n): DRY BULK DENSITY (PCF):	**94.33**
(o): SPECIFITY GRAVITY OF SOIL	2.662
(p): VOLUME OF SOIL:	308.82
(q): VOLUME OF VOIDS:	234.97
(r): VOID RATIO:	0.76
(s): POROSITY:	**0.43**

3707 Cottage Hill Road
Mobile, AL 36609
251.666.2443 ph. / 251.665.5491 fax
www.thompsonengineering.com

MATERIALS ENGINEERING LABORATORY

MEASUREMENT OF HYDRAULIC CONDUCTIVITY 0F 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	Final Moist Wt. (gms):	364.29
Initial Moisture Content (%):	35.56	Final Moisture Content (%):	40.00
Initial Moist Unit Weight (pcf):	115.7	Final Moist Unit Weight (pcf):	117.33
Initial Dry Unit Weight (pcf):	85.3	Final Dry Unit Weight (pcf):	83.8
Initial Void Ratio (e):	0.945	Final Void Ratio (e):	0.981
Initial Deg of Saturation (%):	100.1	Final Deg of Saturation (%):	108.5
Specific Gravity of Solids:	2.66		

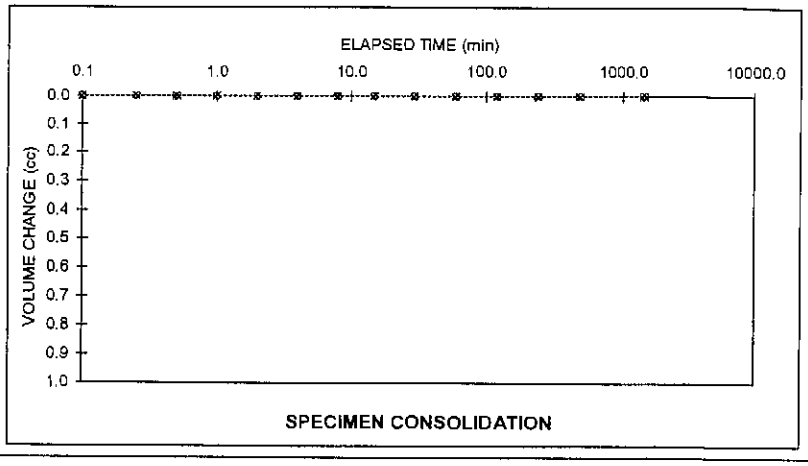
SPECIMEN SATURATION

Date / Time Initiated:	4/9/2008	15:00	Final Chamber Pressure (psi):	52.0
Date / Time Completed:	4/9/2008	15:05	Final Back-Pressure (psi):	50.0
Back-Pressure Duration(min):	5		Resulting B Value:	0.98

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):	193.66	Final Specimen Volume (cc):	193.66
Initial Specimen Height (cm):	5.131	Final Specimen Height (cm):	5.131
Initial Specimen Diam (cm):	6.932	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 CONSOLIDATION

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